Hazardous Building Materials Inspection

Cochran House
Fairfield Hills Campus
Newtown, Connecticut

Town of Newtown

Newtown, Connecticut

August 2015
Revised January 2016 and December 2016

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

Project No. 20141268.B1E

FUSS & O'NEILL
EnviroScience, LLC

August 28, 2015
Revised January 8, 2016 and December 29, 2016

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

Re: Hazardous Building Materials Inspection
Cochran House
Fairfield Hills Campus, Mile Hill Road South, Newtown, Connecticut
Fuss & O'Neill EnviroScience Project No. 20141268.B1E

Dear Ms. Preszler:

Enclosed is the revised summary report for the hazardous building materials inspection conducted for the Cochran House located on Mile Hill Road South 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 in July, August, November, and December 2015 by Fuss & O'Neill EnviroScience, LLC state-licensed inspectors and included a records review of previous sampling data, a supplemental asbestos inspection, lead-based paint determination, lead waste disposal characterization, polychlorinated biphenyl (PCB)-containing exterior building materials sample collection and analysis, and an inventory of PCB-containing light ballasts, mercury-containing devices, and other building wastes. The information summarized in this report is for the abovementioned materials and locations only.

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

Sincerely,

Helen Rimsa

Helen Rimsa
Senior Scientist

HR/kr

Enclosure

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EnviroScience, LLC

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1 Introduction

On July 24, July 25, August 7, November 20, and December 1, 2015, Fuss & O'Neill EnviroScience, LLC (EnviroScience) representatives Mr. Robert Hobbins, Ms. Helen Rimsa, Ms. Sandra Guzman, and Mr. Thomas Cruess performed a hazardous building materials inspection of the Cochran House located on Mile Hill Road South on the campus of Fairfield Hills in Newtown, Connecticut (the "Site"). The inspection included the following services:

- Review of Previous Asbestos-Containing Materials (ACM) Sampling Data;
- Supplemental ACM Inspection;
- Lead-Based Paint (LBP) Determination;
- Lead Waste Characterization Sampling;
- Polychlorinated Biphenyl (PCB)-Containing Exterior Building Materials Sample Collection and Analysis; and
- PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes Inventory.

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

This hazardous building materials inspection was performed in response to proposed renovation and/or demolition of the building 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.

On July 24, July 25, August 7, and November 20, 2015, Mr. Hobbins, Ms. Rimsa, Ms. Guzman, and Mr. Cruess of EnviroScience conducted the inspection. Mr. Hobbins, Ms. Rimsa, Ms. Guzman, and Mr. Cruess are State of Connecticut Department of Public Health (CTDPH)-licensed Asbestos Inspectors. Refer to *Appendix B* for the EnviroScience Inspectors state licenses and EPA 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 Title 40 CFR, Part 763, Subpart E: Asbestos Hazard Emergency Response Act (AHERA).

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

1. Surfacing Materials (S) (i.e., plasters, spray-applied fireproofings, etc.) must be collected in a randomly distributed manner representing each homogenous area based on the overall quantity represented by the sampling as follows:

    a. Three (3) samples collected from each homogenous area that is less than or equal to 1,000 square feet.
    b. Five (5) samples collected from each homogenous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
    c. Seven (7) samples collected from each homogenous area that is greater than 5,000 square feet.

2. Thermal System Insulation (TSI) (i.e., pipe insulations, tank insulations, etc.) must be collected in a randomly distributed manner representing each homogenous area. Three (3) samples must be collected from each material. Also, a minimum of one (1) sample of any patching materials applied to TSI presuming the patched area is less than 6 linear or square feet should be collected.

3. Miscellaneous materials (M) (i.e., floor tile, gaskets, construction mastics, etc.) should have a minimum of two (2) samples collected for each type of homogenous material. Sample

collection was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the inspector.

The inspectors reviewed the inspection report prepared by TRC Companies, Inc. (October 2008) prior to conducting the inspection. Pertinent information from this report was utilized in planning the EnviroScience inspection. We collected samples of those suspect ACM not previously-identified during the previous inspection, and which may be disturbed by proposed renovation and/or demolition activities. EnviroScience prepared proper chain-of-custody forms for transmission of the samples collected to EMSL Analytical Inc., of South Portland, Maine, and TRC of Windsor, Connecticut, for analysis. EMSL and TRC are Connecticut-licensed and American Industrial Hygiene Association (AIHA)-accredited asbestos analytical laboratories. The sample locations, material type, sample identification, and asbestos content are identified by bulk sample analysis in **Tables 1A (non-plaster)** and **1B (plaster)** attached hereto. Suspect ACM not listed in the table that may be identified at a later date at the Site, should be assumed to be ACM until sample collection and analysis indicate otherwise. Initial asbestos sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

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

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

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

EnviroScience did not conduct subsurface investigations to identify potential cementitious pipe at the Site.

2.2 Results

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

- Pipe and Mudded Pipe Fitting Insulations;
- Soft Textured White One-Coat Ceiling Plaster;
- Floor Tile (Various Sizes and Colors) and Black Floor Mastic;

- Tan Column Caulking Compounds at Building Expansion Joints;
- White Putty/Caulking Compounds on Electrical Wiring inside Metal Drinking Fountains;
- Black Tar on Condenser inside Metal Drinking Fountains;
- Black Glue behind Bulletin Boards;
- Black Sink Undercoating;
- Walk-in Cooler Cork Ceiling and Black Mastic;
- Black Tar/Paper on Auditorium Mechanical Room Exterior Wall;
- Cementitious Electrical Panels;
- Exterior Window Glazing and Caulking Compounds;
- Perimeter and Penetration Roof Flashing;
- Black Tar/Paper behind Concrete Window Sills;
- Black Tar/Paper on Top of Concrete Foundation,
- Gray Exterior Door Caulking Compounds, and
- Gray Exterior Roof Coping Stone Seam Caulking Compounds.

Refer to the attached **Table 1A** for a complete list of ACM and non-ACM identified, **Table 1B** for a complete list of plasters 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). Twenty-three (23) 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 activities 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.

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

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

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

Suspect materials encountered during renovation and/or 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.

3 Lead-Based Paint Determination

On August 7, 2015, Mr. Hobbins performed a LBP determination by testing coated building components at the Site scheduled for renovation and/or demolition. Mr. Hobbins is a CTDPH-Certified lead inspector. Refer to *Appendix B* for the EnviroScience Inspector state licenses, certifications, and EPA accreditations.

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

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

3.1 Methodology

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 residential buildings, lead-containing materials that will be impacted during 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. TCLP analysis is performed on 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/cm^2) is considered toxic or dangerous for compliance with residential standards. For purpose of this LBP determination the level of 1.0 mg/cm^2 has been utilized as a guide for segregating building components for TCLP sample collection and analysis as possible hazardous waste.

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/cm^2:

Interior

- White Metal Window Sash;
- Brown, Pink, Gray, Beige, and Blue Metal Doors, Casings, and Jambs;
- Brown Wood Door Jamb;
- Tan, Beige, and Black Ceramic Wall Tiles; and
- Blue Metal Stairwell Risers and Stringer.

Exterior

- Brown Wood Door Jamb.

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

3.3 Discussion

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

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

3.4 Conclusions and Recommendations

Coated building components tested were identified during this inspection as containing lead exceeding 1.0 mg/cm^2. 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 renovation and/or 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.

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

- Entire Building Components;
- Asbestos-Containing Building Material Components; and
- Asbestos-Containing Windows and Roofing Components.

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

Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut analyzed the composite samples. 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 <0.10 mg/L;
- Asbestos-Containing Window and Roofing Components; <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 the entire building components, the ACM building components, and the asbestos-containing windows and roofing components.

The building demolition waste stream is 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 representative waste steam composite samples, the waste generated during abatement and renovation and/or demolition within the building would not be classified by EPA or CTDEEP as hazardous waste.

5 PCB-Containing Building Materials Inspection

Sampling of building materials for polychlorinated biphenyls (PCBs) is presently not mandated by the EPA. However, significant liability exists for building owners who improperly dispose a PCB-containing waste material. Recent knowledge and awareness of PCBs within matrices such as caulking compounds, glazing compounds, paints, adhesives, and ceiling tiles has become more prevalent, especially amongst remediation contractors, waste haulers, and disposal facilities.

Presently, building materials containing PCBs at concentrations equal to or greater than (≥) 50 parts per million (ppm) or the equivalent units of milligrams per kilogram (mg/kg) are regulated by the EPA and characterized as PCB Bulk Product. Building materials containing less than (<) 50 ppm may also be regulated unless proven to be an Excluded PCB Product. The definition of an Excluded PCB Product includes those products or source of the products containing < 50 ppm concentration PCBs that were legally manufactured, processed, distributed in commerce, or used before October 1, 1984. Building materials determined to be Excluded PCB Product containing > 1 ppm PCBs but < 50 ppm PCBs are regulated by the CTDEEP. Building materials containing ≤ 1 ppm PCBs are considered non-regulated.

Additionally, the identification of building materials containing regulated PCBs requires additional testing of the adjacent porous surfaces and/or soils, asphalts, and concrete located below source materials. The building materials adjacent to the regulated PCB material must be tested to determine if the adjacent materials are PCB contaminated and may also be considered PCB Bulk Products if disposed with source materials. Soils, asphalts, and concrete located below source materials must be tested to determine if the materials are PCB contaminated and considered PCB Remediation Waste.

5.1 Methodology

5.1.1 Source Materials

On December 1, 2015, Mr. Hobbins and Mr. Cruess collected 12 bulk samples of exterior source materials scheduled to be impacted by the renovation and/or demolition activities and submitted the samples collected for PCBs analysis. Sampling involved removal of the source materials using hand tools to submit in bulk form to determine PCB content.

The bulk source sampling tools were properly decontaminated prior to sample collection and following the collection of each individual sample in accordance with EPA guidelines to prevent cross-contamination of samples. Samples were placed in a container, labeled, and delivered to Con-Test Analytical Laboratory (Con-Test) of East Longmeadow, Massachusetts using proper chain-of-custody. Con-Test is a State of Connecticut-certified laboratory. The analytical method included extraction Method 3540C and analytical Method SW846 8082.

5.2 Results

5.2.1 Source Materials

Utilizing the EPA protocol and criteria, the following materials were determined to contain ≤ 1 ppm and are considered non-regulated:

- Gray Exterior Window Caulking Compounds;
- Gray Exterior Window Glazing Compounds;
- Gray Exterior Door Caulking Compounds; and
- Gray Exterior Roof Coping Stone Seam Caulking Compounds.

Refer to the attached **Table 3** for a complete list of suspect PCB-containing source materials collected and analyzed as part of this inspection. Refer to *Appendix G* for PCB laboratory analytical reports and chain-of-custody forms.

5.3 Conclusions and Recommendations

None of the suspect PCB bulk source materials collected and analyzed were determined to contain PCBs greater than 1ppm. No further action regarding bulk materials collected and analyzed for PCB content is required.

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

6.1 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.

6.2 PCB-Containing Fluorescent Ballasts Methodology

EQ Northeast, Inc. performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing light ballasts in October 2008. 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.

6.3 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.

6.4 Mercury-Containing Devices Methodology

On October 2008, EQ Northeast, Inc. performed an inventory of mercury-containing lamps, thermostats, and mercury switches. These fixtures were inventoried in-place.

6.5 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.

6.6 Other Building Wastes Methodology

In October 2008, EQ Northeast, Inc. performed a visual inspection of other building wastes within the building located at the Site.

6.7 Conclusions and Recommendations

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

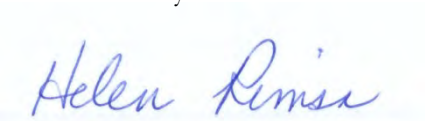
Refer to the attached **Table 4** for a complete list of PCB-containing light ballasts, mercury-containing devices, and other building wastes inventoried by EQ Northeast.

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 renovation and/or demolition plans.

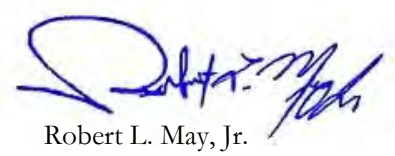
Refer to *Appendix H* for Site Photographs and *Appendix I* for the Opinion of Abatement and Demolition Cost.

Report prepared by Senior Environmental Technician, Robert Hobbins.

Reviewed by:



Helen Rimsa
Senior Scientist



Robert L. May, Jr.
President

Tables

FUSS & O'NEILL
EnviroScience, LLC

Table 1A
Summary of Suspect Asbestos-Containing Materials Data
Cochran House
Fairfield Hills Campus
Newtown, Connecticut

Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
Fuss & O'Neill EnviroScience, LLC Results - July 2015 and November 2015					
0725BH01A	Tan Paper Backing on Fiberglass Metal Ceiling Tile Insulation	Non-ACM	Room 176	ND	
0725BH01B	Tan Paper Backing on Fiberglass Metal Ceiling Tile Insulation	Non-ACM	Room 274	ND	
0725BH02A	Black Tar on Foam Insulation in Pipe Chase	Non-ACM	Room 290	ND/ND	Yes
0725BH02B	Black Tar on Foam Insulation in Pipe Chase	Non-ACM	Room 306	ND	
0725BH03A	**Interior Black Tar/Paper on Exterior Wall**	**Cat 2 NF**	**Mechanical Room adjacent to Auditorium Stage**	**10% Chrysotile**	
0725BH03B	**Interior Black Tar/Paper on Exterior Wall**	**Cat 2 NF**	**Mechanical Room adjacent to Auditorium Stage**	**NA/PS**	
0725BH04A	White Column Caulking Compound at Expansion Joint	Non-ACM	Corridor at Room 101	ND/ND	Yes
0725BH04B	White Column Caulking Compound at Expansion Joint	Non-ACM	Corridor at Room 101	ND	
0725BH05A	**Tan Column Caulking Compound at Interior Expansion Joint**	**Cat 2 NF**	**Corridor at Room 129**	**3% Chrysotile**	
0725BH05B	**Tan Column Caulking Compound at Interior Expansion Joint**	**Cat 2 NF**	**Corridor at Room 296**	**NA/PS**	
0725BH06A	Black Felt/Tar at Floor Expansion Joint	Non-ACM	Corridor at 201	ND/ND	Yes
0725BH06B	Black Felt/Tar at Floor Expansion Joint	Non-ACM	Corridor at 201	ND	
0725BH107A	Black Wrap on Condenser Hose inside Metal Drinking Fountain	Non-ACM	Room B76	ND/ND	
0725BH07B	Black Wrap on Condenser Hose inside Metal Drinking Fountain	Non-ACM	Room B76	ND	
0725BH08A	**White Putty/Caulking Compound on Wiring inside Metal Drinking Fountain**	**Cat 2 NF**	**Room 207B**	**6% Chrysotile**	

Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
0725BH08B	**White Putty/Caulking Compound on Wiring inside Metal Drinking Fountain**	**Cat 2 NF**	**Room 207B**	**NA/PS**	
0725BH09A	**Black Sink Undercoating**	**Cat 2 NF**	**Room 250A**	**12% Chrysotile**	
0725BH09B	**Black Sink Undercoating**	**Cat 2 NF**	**Room 346F**	**NA/PS**	
0725BH10A	**Black Tar on Condenser inside Metal Drinking Fountain**	**Cat 2 NF**	**Room 346F**	**10% Chrysotile**	
0725BH10B	**Black Tar on Condenser inside Metal Drinking Fountain**	**Cat 2 NF**	**Room 346F**	**NA/PS**	
0725BH11A	**Black Glue behind Bulletin Board**	**Cat 2 NF**	**3rd Floor West Wing South – Nurse Station**	**10% Chrysotile**	
0725BH11B	**Black Glue behind Bulletin Board**	**Cat 2 NF**	**2nd Floor East Wing South – Nurse Station**	**NA/PS**	
0725BH11C	**Black Glue behind Bulletin Board**	**Cat 2 NF**	**1st Floor East Wing North – Nurse Station**	**NA/PS**	
0725BH12A	Tan Glue at Reception Desk	Non-ACM	3rd Floor West Wing South – Nurse Station	ND/ND	Yes
0725BH12B	Tan Glue at Reception Desk	Non-ACM	3rd Floor West Wing South – Nurse Station	ND	
0725BH13A	Yellow Glue behind Laminate Wall Panel	Non-ACM	2nd Floor East Wing North – Nurse Station	ND/ND	Yes
0725BH13B	Yellow Glue behind Laminate Wall Panel	Non-ACM	2nd Floor East Wing North – Nurse Station	ND	
0725BH14A	Tan/White Laminate Countertop/Glue	Non-ACM	3rd Floor West Wing South – Nurse Station	ND	
0725BH14B	Tan/White Laminate Countertop/Glue	Non-ACM	1stFloor West Wing North – Nurse Station	ND	
0725BH15A	Tan Ceramic Block Wall Tile	Non-ACM	Room 306	ND	
0725BH15B	Tan Ceramic Block Wall Tile	Non-ACM	Room 250D	ND	
0725BH16A	White Ceramic Block Wall Tile Grout	Non-ACM	Room 306	ND	
0725BH16B	White Ceramic Block Wall Tile Grout	Non-ACM	Room 250D	ND	

Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
0725BH17A	Blue Ceramic Floor Tile	Non-ACM	Room 305	ND	
0725BH17B	Blue Ceramic Floor Tile	Non-ACM	Room 124	ND	
0725BH18A	Ceramic Floor Tile Grout	Non-ACM	Room 305	ND	
0725BH18B	Ceramic Floor Tile Grout	Non-ACM	Room 124	ND	
0725BH19A	Ceramic Floor Tile Glue	Non-ACM	Room 305	ND/ND	Yes
0725BH19B	Ceramic Floor Tile Glue	Non-ACM	Room 305	ND	
0725BH20A	Ceramic Floor Tile Thinset	Non-ACM	Room 305	ND	
0725BH20B	Ceramic Floor Tile Thinset	Non-ACM	Room 124	ND	
0725BH21A	Black Felt/Tar under Ceramic Floor Tile	Non-ACM	Room 118	ND/0.25% Chrysotile	Yes
0725BH21B	Black Felt/Tar under Ceramic Floor Tile	Non-ACM	Room 118	ND	
0725BH22A	Red Quarry Floor Tile	Non-ACM	Room 275	ND	
0725BH22B	Red Quarry Floor Tile	Non-ACM	Room 121	ND	
0725BH23A	Quarry Floor Tile Grout	Non-ACM	Room 275	ND	
0725BH23B	Quarry Floor Tile Grout	Non-ACM	Room 121	ND	
0725BH24A	Red Flooring	Non-ACM	Basement West Wing South	ND/ND	Yes
0725BH24B	Red Flooring	Non-ACM	Basement West Wing South	ND	
0725BH25A	Brown Floor Mastic	Non-ACM	Basement West Wing South	ND/ND	Yes
0725BH25B	Brown Floor Mastic	Non-ACM	Basement West Wing South	ND	
0725BH26A	Green Terrazzo Flooring	Non-ACM	Corridor at Rom 261	ND	
0725BH26B	Green Terrazzo Flooring	Non-ACM	Corridor at Rom 261	ND	
0725BH27A	Tan Terrazzo Flooring	Non-ACM	Room 301	ND	
0725BH27B	Tan Terrazzo Flooring	Non-ACM	Room 301	ND	
0725BH28A	**Black Tar/Paper behind Concrete Window Sill**	**Cat 2 NF**	**Building Exterior**	**10% Chrysotile**	
0725BH28B	**Black Tar/Paper behind Concrete Window Sill**	**Cat 2 NF**	**Building Exterior**	**NA/PS**	
0725BH29A	**Black Tar/Paper between Brick & Concrete Foundation**	**Cat 2 NF**	**Building Exterior**	**8% Chrysotile**	
0725BH29B	**Black Tar/Paper Between Brick & Concrete Foundation**	**Cat 2 NF**	**Building Exterior**	**NA/PS**	
1120BH01A	**Exterior Door Caulking Compound**	**Cat 2 NF**	**Exterior Door Systems**	**6% Chrysotile**	
1120BH01B	**Exterior Door Caulking Compound**	**Cat 2 NF**	**Exterior Door Systems**	**NA/PS**	
1120BH01C	**Exterior Door Caulking Compound**	**Cat 2 NF**	**Exterior Door Systems**	**NA/PS**	

Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
1120BH02A	Exterior Coping Stone Seam Caulking Compound	Cat 2 NF	Exterior Roof Top Wall	8% Chrysotile	
1120BH02B	Exterior Coping Stone Seam Caulking Compound	Cat 2 NF	Exterior Roof Top Wall	NA/PS	
1120BH02C	Exterior Coping Stone Seam Caulking Compound	Cat 2 NF	Exterior Roof Top Wall	NA/PS	
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01-CH	Black Mastic	Cat 1 NF	Basement – A wing	10% Chrysotile	
	9" x 9" Brown Floor Tile	Cat 1 NF		5% Chrysotile	
02-CH	Black Mastic	Cat 1 NF	Basement – A wing	3% Chrysotile	
	12" x 12" Brown Speckled Floor Tile	Cat 1 NF		2% Chrysotile	
03-CH	Black Mastic	Cat 1 NF	Basement – Room B-11	5% Chrysotile	
	9" x 9" Green Floor Tile	Cat 1 NF		10% Chrysotile	
04-CH	2' x 2' Pinhole Pattern Suspended Ceiling Tile	Non-ACM	Basement – Main Hallway	ND	
05-CH	2' x 2' Pinhole Pattern Suspended Ceiling Tile	Non-ACM	Basement – Main Hallway	ND	
06-CH	2' x 2' Pinhole Pattern Suspended Ceiling Tile	Non-ACM	Basement – Main Hallway	ND	
07-CH	Black Mastic	Non-ACM	Elevator	ND/ND	Yes
	9" x 9" Light Brown Floor Tile	Non-ACM		ND/ND	Yes
08-CH	Tank Insulation	Non-ACM	Basement – Room B-35A	ND	
09-CH	Tank Insulation	Non-ACM	Basement – Room B-35A	ND	
10-CH	Tank Insulation	Non-ACM	Basement – Room B-35A	ND	
11-CH	Walk-In Cooler/Refrigerator Ceiling Cork with Black Mastic	Cat 2 NF	Basement – Room B-31	10% Chrysotile	
12-CH	Walk-In Cooler/Refrigerator Ceiling Cork with Black Mastic	Cat 2 NF	Basement – Room B-32	NA/PS	
13-CH	Walk-In Cooler/Refrigerator Ceiling Cork with Black Mastic	Cat 2 NF	Basement – Room B-33	NA/PS	
14-CH	4" Outer Diameter Hard Pack Pipe Insulation	Friable	Basement – D Wing	60% Amosite	
15-CH	4" Outer Diameter Hard Pack Pipe Insulation	Friable	Basement – D Wing	3% Crocidolite	
16-CH	4" Outer Diameter Hard Pack Pipe Insulation	Friable	Basement – D Wing	NA/PS	

Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
17-CH	Mudded Pipe Fitting Insulation on Hard Pack Pipe Insulation	Friable	Basement – D Wing	NA/PS	
18-CH	Mudded Pipe Fitting Insulation on Hard Pack Pipe Insulation	Friable	Basement – D Wing	90% Chrysotile	
19-CH	Mudded Pipe Fitting Insulation on Hard Pack Pipe Insulation	Friable	Basement – D Wing	NA/PS	
20-CH	Black Mastic	Cat 1 NF	Basement – Room B-64	20% Chrysotile	
	9" x 9" Gray Floor Tile	Cat 1 NF		5% Chrysotile	
21-CH	Mastic	Non-ACM	Basement – Room B-65	ND/ND	Yes
	Black Cove Base	Non-ACM		ND/ND	Yes
22-CH	Black Mastic	Cat 1 NF	Basement – C wing	5% Chrysotile	
	9" x 9" Gray Floor Tile	Cat 1 NF		3% Chrysotile	
23-CH	Black Mastic	Cat 2 NF	Basement – Room B-60	10% Chrysotile	
	12" x 12" White Floor Tile	Cat 1 NF		5% Chrysotile	
24-CH	Mastic	Cat 1 NF	Basement – Room B-61	5% Chrysotile	
	12" x 12" Black Floor Tile	Cat 1 NF		5% Chrysotile	
25-CH	2' x 4' Worm Hole Pattern Suspended Ceiling Tile	Non-ACM	Basement – Room B-60	ND<1%	
26-CH	2' x 4' Worm Hole Pattern Suspended Ceiling Tile	Non-ACM	Basement – Room B-61	ND<1%	
27-CH	2' x 4' Worm Hole Pattern Suspended Ceiling Tile	Non-ACM	Basement – Room B-62	ND<1%	
28-CH	Soft Textured White Single-Coat Ceiling Plaster	Friable	Third Floor – Room 361	18.30% Chrysotile[1]	Yes
29-CH	Soft Textured White Single-Coat Ceiling Plaster	Friable	Third Floor – Room 392	ND<1%+	
30-CH	Soft Textured White Single-Coat Ceiling Plaster	Friable	Second Floor – Room 257	ND<1%+	
31-CH	Soft Textured White Single-Coat Ceiling Plaster	Friable	Second Floor – Room 253	ND<1%+	
32-CH	Soft Textured White Single-Coat Ceiling Plaster	Friable	Second Floor – Room 243	ND<1%+	
33-CH	Soft Textured White Single-Coat Ceiling Plaster	Friable	First Floor – Room 141D	ND<1%+	
34-CH	Soft Textured White Single-Coat Ceiling Plaster	Friable	First Floor – Room 135	ND<1%+	
35-CH	Gray Base Coat Wall Plaster	Non-ACM	Third Floor – Room 361	ND	
	White Skim Coat Wall Plaster	Non-ACM		ND	
36-CH	Gray Base Coat Wall Plaster	Non-ACM	Third Floor – Room 392	ND	
	White Skim Coat Wall Plaster	Non-ACM		ND	

Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
37-CH	Gray Base Coat Wall Plaster	Non-ACM	Second Floor – Room 257	ND	
	White Skim Coat Wall Plaster	Non-ACM		ND	
38-CH	Gray Base Coat Wall Plaster	Non-ACM	Second Floor – Room 253	ND	
	White Skim Coat Wall Plaster	Non-ACM		ND	
39-CH	Gray Base Coat Wall Plaster	Non-ACM	Second Floor – Room 243	ND	
	White Skim Coat Wall Plaster	Non-ACM		ND	
40-CH	Gray Base Coat Wall Plaster	Non-ACM	First Floor – Room 141D	ND	
	White Skim Coat Wall Plaster	Non-ACM		ND	
41-CH	Gray Base Coat Wall Plaster	Non-ACM	First Floor – Room 135	ND	
	White Skim Coat Wall Plaster	Non-ACM		ND	
1A	**Black Mastic**	**Cat 1 NF**	**First Floor – Room 158E**	**10% Chrysotile**	
	9" x 9" Tan Floor Tile	**Cat 1 NF**		**5% Chrysotile**	
2A	**Black Mastic**	**Cat 1 NF**	**First Floor – Area A**	**10% Chrysotile**	
	Green 9" x 9" Floor Tile	**Cat 1 NF**		**5% Chrysotile**	
3A	Mastic	Non-ACM	Third Floor – Room 340	ND/ND	Yes
	Brown Cove Base			ND/ND	Yes
4A	Red Linoleum Flooring	Non-ACM	Third Floor – Room 342B	ND/ND	Yes
5A	**Black Mastic**	**Cat 1 NF**	**Second Floor – Room 222**	**10% Chrysotile**	
	9" x 9" Red Floor Tile	**Cat 1 NF**		**3% Chrysotile**	
6A	**Black Mastic**	**Cat 1 NF**	**Second Floor – Room 204**	**3% Chrysotile**	
	12" x 12" Light Brown Floor Tile	**Cat 1 NF**		**3% Chrysotile**	
7A	2' x 2' Suspended Ceiling Tile	Non-ACM	First Floor – Main Entrance	ND	
7B	2' x 2' Suspended Ceiling Tile	Non-ACM	First Floor – Main Entrance	ND	
7C	2' x 2' Suspended Ceiling Tile	Non-ACM	First Floor – Main Entrance	ND	
8A	**Window Glazing**	**Cat 2 NF**	**Exterior**	**1.6% Chrysotile**	**Yes**
9A	**Window Caulking**	**Cat 2 NF**	**Exterior**	**3% Chrysotile**	
10A	Built-Up Roofing	Non-ACM	Roof – B Wing	ND/ND	Yes
11A	Built-Up Roofing	Non-ACM	Roof – Central, between A & B Wings	ND/ND	Yes
12A	Built-Up Roofing	Non-ACM	Roof – Central, Main Roof	ND/ND	Yes
13A	Built-Up Roofing	Non-ACM	Roof – D Wing	ND/ND	Yes
14A	Built-Up Roofing	Non-ACM	Roof – C Wing	ND/ND	Yes
15A	**Perimeter Roof Flashing**	**Cat 1 NF**	**Roof – D Wing**	**3% Chrysotile**	

Sample No.	Material Type	NESHAP Category	Sample Location	Asbestos Content	EPA TEM NOB
16A	Perimeter Roof Flashing	Cat 1 NF	Roof – Central, Main Roof	NA/PS	
17A	Penetration Roof Flashing	Cat 1 NF	Roof – D Wing	NA/PS	

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
Cochran House
Fairfield Hills Campus
Newtown, Connecticut

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0724BH- 01	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 11	ND
SPS0724BH- 02	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 16	ND
SPS0724BH- 03	Gray Base Coat Ceiling Plaster	Non-ACM	Basement - Room 17	ND
SPS0724BH- 04	Gray Base Coat Wall Plaster	Non-ACM	Basement - Corridor at Room 20	ND
SPS0724BH- 05	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 21	ND
SPS0724BH- 06	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 26	ND
SPS0724BH- 07	Gray Base Coat Ceiling Plaster	Non-ACM	Basement - Room 30A	ND
SPS0724BH- 08	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 30A	ND
SPS0724BH- 09	Gray Base Coat Ceiling Plaster	Non-ACM	Basement - Room 31	ND
SPS0724BH- 10	Gray Base Coat Ceiling Plaster	Non-ACM	Basement - Room 31	ND
SPS0724BH- 11	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 34 D	ND
SPS0724BH- 12	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 41	ND
SPS0724BH- 13	Gray Base Coat Ceiling Plaster	Non-ACM	Basement - Room 41	ND
SPS0724BH- 14	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 47	ND
SPS0724BH- 15	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 51	ND
SPS0724BH- 16	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 53	ND
SPS0724BH- 17	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 55	ND
SPS0724BH- 18	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 59	ND
SPS0724BH- 19	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 64	ND
SPS0724BH- 20	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 66	ND
SPS0724BH- 21	Gray Base Coat Wall Plaster	Non-ACM	Basement - Room 70	ND
SPS0724BH- 22	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room Main Lobby	ND
SPS0724BH- 23	Gray Base Coat Wall Plaster	Non-ACM	1st Floor- Auditorium Side Stage	ND
SPS0724BH- 24	Gray Base Coat Wall Plaster	Non-ACM	1st Floor East Wing North Reception	ND
SPS0724BH- 25	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 103	ND
SPS0724BH- 26	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 106	ND

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Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0724BH- 27	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor-Nurse Station at Room 108 B	ND
SPS0724BH- 28	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 111G	ND
SPS0724BH- 29	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 118	ND
SPS0724BH- 30	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 128B	ND
SPS0724BH- 31	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 131	ND
SPS0724BH- 32	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 132	ND
SPS0724BH- 33	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 133	ND
SPS0724BH- 34	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 136	ND
SPS0724BH- 35	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 138	ND
SPS0724BH- 36	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 144	ND
SPS0724BH- 37	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 145	ND
SPS0724BH- 38	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor- Room 148	ND
SPS0724BH- 39	Gray Base Coat Wall Plaster	Non-ACM	1st Floor- Corridor at Room 148	ND
SPS0724BH- 40	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 155A	ND
SPS0724BH- 41	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 155D	ND
SPS0724BH- -42	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 157	ND
SPS0724BH- 43	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 158 B	ND
SPS0724BH- 44	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 158 E	ND
SPS0724BH- 45	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 159 B	ND
SPS0724BH- 46	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 159	ND
SPS0724BH- 47	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 160	ND
SPS0724BH- 48	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 161	ND
SPS0724BH- 49	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 166	ND
SPS0724BH- 50	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 168	ND
SPS0724BH- 51	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 172	ND
SPS0724BH- 52	Gray Base Coat Ceiling Plaster	Non-ACM	1st Floor - Room 182	ND
SPS0724BH- 53	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 185	ND
SPS0724BH- 54	Gray Base Coat Wall Plaster	Non-ACM	1st Floor - Room 187	ND
SPS0724BH- 61	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 206	ND
SPS0724BH- 62	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 206	ND
SPS0724BH- 63	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 207	ND
SPS0724BH- 64	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 210 G	ND
SPS0724BH-- 65	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 217	ND
SPS0724BH- 66	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 219	ND
SPS0724BH- 67	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 224	ND
SPS0724BH- 68	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 226	ND
SPS0724BH- 69	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 231	ND
SPS0724BH- 70	Gray Base Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 232	ND
SPS0724BH- 71	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 233	ND
SPS0724BH- 72	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 236	ND
SPS0724BH- 73	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 238	ND

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Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0724BH- 74	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 243	ND
SPS0724BH- 75	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 246B	ND
SPS0724BH- 76	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 247A	ND
SPS0724BH- 77	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 250	ND
SPS0724BH- 78	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 250C	ND
SPS0724BH- 79	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor- Corridor at Room 251B	ND
SPS0724BH- 80	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 254	ND
SPS0724BH- 81	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 255	ND
SPS0724BH- 82	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor- Corridor at Room 256	ND
SPS0724BH- 83	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 258	ND
SPS0724BH- 84	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 260	ND
SPS0724BH- 85	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 261	ND
SPS0724BH- 86	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 267	ND
SPS0724BH- 87	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 268G	ND
SPS0724BH- 88	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor- Corridor at Room 275	ND
SPS0724BH- 89	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 279	ND
SPS0724BH- 90	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 281	ND
SPS0724BH- 91	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 286 D	ND
SPS0724BH- 92	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 290	ND
SPS0724BH- 93	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 292	ND
SPS0724BH- 94	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 295	ND
SPS0724BH- 95	Gray Base Coat Wall Plaster	Non-ACM	2nd Floor - Room 294A	ND
SPS0724BH- 96	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 301	ND
SPS0724BH- 97	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 301	ND
SPS0724BH- 98	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 302	ND
SPS0724BH- 99	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 304	ND
SPS0724BH- 100	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 306	ND
SPS0724BH- 101	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 309G	ND
SPS0724BH- 102	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 327G	ND
SPS0724BH- 103	Gray Base Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 331	ND
SPS0724BH- 104	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 332	ND
SPS0724BH- 105	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 334	ND
SPS0724BH- 106	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 336	ND
SPS0724BH- 107	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Corridor at Room 338B	ND
SPS0724BH- 108	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 339B	ND
SPS0724BH- 109	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 341	ND
SPS0724BH- 110	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Corridor at Room 341	ND
SPS0724BH- 111	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 346C	ND
SPS0724BH- 112	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 347	ND
SPS0724BH- 113	Gray Base Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 352	ND

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0724BH- 114	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 352	ND
SPS0724BH- 115	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 354	ND
SPS0724BH- 116	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 365	ND
SPS0724BH- 117	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 368B	ND
SPS0724BH- 118	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 376	ND
SPS0724BH- 119	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Corridor at Room 376	ND
SPS0724BH- 120	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 379	ND
SPS0724BH- 121	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 386	ND
SPS0724BH- 122	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 387	ND
SPS0724BH- 123	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 390	ND
SPS0724BH- 124	Gray Base Coat Wall Plaster	Non-ACM	3rd Floor - Room 393	ND
SPS0724BH- 125	Gray Base Coat Ceiling Plaster	Non-ACM	Stairwell 5	ND
SPS0724BH- 126	Gray Base Coat Ceiling Plaster	Non-ACM	Stairwell 6	ND
SPS0724BH- 127	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 11	ND
SPS0724BH- 128	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 16	ND
SPS0724BH- 129	White Skim Coat Ceiling Plaster	Non-ACM	Basement - Room 17	ND
SPS0724BH- 130	White Skim Coat Wall Plaster	Non-ACM	Basement - Corridor at Room B 20	ND
SPS0724BH- 131	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 21	ND
SPS0724BH- 132	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 26	ND
SPS0724BH- 133	White Skim Coat Ceiling Plaster	Non-ACM	Basement - Room 30A	ND
SPS0724BH- 134	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 30A	ND
SPS0724BH- 135	White Skim Coat Ceiling Plaster	Non-ACM	Basement - Room 31	ND
SPS0724BH- 136	White Skim Coat Ceiling Plaster	Non-ACM	Basement - Room 31	ND
SPS0724BH- 137	White Skim Coat Ceiling Plaster	Non-ACM	Basement - Room 34 D	ND
SPS0724BH- 138	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 41	ND
SPS0724BH- 139	White Skim Coat Ceiling Plaster	Non-ACM	Basement - Room 41	ND
SPS0724BH- 140	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 47	ND
SPS0724BH- 141	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 51	ND
SPS0724BH- 142	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 53	ND
SPS0724BH- 143	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 55	ND
SPS0724BH- 144	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 59	ND
SPS0724BH- 145	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 64	ND
SPS0724BH- 146	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 66	ND
SPS0724BH- 147	White Skim Coat Wall Plaster	Non-ACM	Basement - Room 70	ND
SPS0724BH- 148	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room Main Lobby	ND
SPS0724BH- 149	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Auditorium Side Stage	ND
SPS0724BH- 150	White Skim Coat Wall Plaster	Non-ACM	1st Floor East Wing North Reception	ND
SPS0724BH- 151	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 103	ND
SPS0724BH- 152	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 106	ND

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0724BH- 153	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Nurse Station at Room 108 B	ND
SPS0724BH- 154	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 111G	ND
SPS0724BH- 155	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 118	ND
SPS0724BH- 156	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 128B	ND
SPS0724BH- 157	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 131	ND
SPS0724BH- 158	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 132	ND
SPS0724BH- 159	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 133	ND
SPS0724BH- 160	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 136	ND
SPS0724BH- 161	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 138	ND
SPS0724BH- 162	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 144	ND
SPS0724BH- 163	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 145	ND
SPS0724BH- 164	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 148	ND
SPS0724BH- 165	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Corridor at Room 148	ND
SPS0724BH- 166	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 155A	ND
SPS0724BH- 167	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 155D	ND
SPS0724BH- 168	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 157	ND
SPS0724BH- 169	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 158 B	ND
SPS0724BH- 170	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 158 E	ND
SPS0724BH- 171	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 159 B	ND
SPS0724BH- 172	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 159	ND
SPS0724BH- 173	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 160	ND
SPS0724BH- 174	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 161	ND
SPS0724BH- 175	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 166	ND
SPS0724BH- 176	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 168	ND
SPS0724BH- 177	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 172	ND
SPS0724BH- 178	White Skim Coat Ceiling Plaster	Non-ACM	1st Floor - Room 182	ND
SPS0724BH- 179	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 185	ND
SPS0724BH- 180	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 187	ND
SPS0724BH- 181	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 188	ND
SPS0724BH- 182	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 189A	ND
SPS0724BH- 183	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 192	ND
SPS0724BH- 184	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 192	ND
SPS0724BH- 185	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 194	ND
SPS0724BH- 186	White Skim Coat Wall Plaster	Non-ACM	1st Floor - Room 197	ND
SPS0724BH- 187	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 206	ND
SPS0724BH- 188	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 206	ND
SPS0724BH- 189	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 207	ND
SPS0724BH- 190	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 210 G	ND
SPS0724BH- 191	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 217	ND
SPS0724BH- 192	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 219	ND
SPS0724BH- 193	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 224	ND

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0724BH- 194	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 226	ND
SPS0724BH- 195	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 231	ND
SPS0724BH- 196	White Skim Coat Ceiling Plaster	Non-ACM	2nd Floor - Room 232	ND
SPS0724BH- 197	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 233	ND
SPS0724BH- 198	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 236	ND
SPS0724BH- 199	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 238	ND
SPS0724BH- 200	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 243	ND
SPS0724BH- 201	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 246B	ND
SPS0724BH- 202	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 247A	ND
SPS0724BH- 203	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 250	ND
SPS0724BH- 204	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 250C	ND
SPS0724BH- 205	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Corridor at Room 251B	ND
SPS0724BH- 206	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 254	ND
SPS0724BH- 207	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 255	ND
SPS0724BH- 208	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Corridor at Room 256	ND
SPS0724BH- 209	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 258	ND
SPS0724BH- 210	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 260	ND
SPS0724BH- 211	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 261	ND
SPS0724BH- 212	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 267	ND
SPS0724BH- 213	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 268G	ND
SPS0724BH- 214	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Corridor at Room 275	ND
SPS0724BH- 215	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 279	ND
SPS0724BH- 216	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 281	ND
SPS0724BH- 217	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 286 D	ND
SPS0724BH- 218	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 290	ND
SPS0724BH- 219	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 292	ND
SPS0724BH- 220	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 295	ND
SPS0724BH- 221	White Skim Coat Wall Plaster	Non-ACM	2nd Floor - Room 294A	ND
SPS0724BH- 222	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 301	ND
SPS0724BH- 223	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 301	ND
SPS0724BH- 224	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 302	ND
SPS0724BH- 225	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 304	ND
SPS0724BH- 226	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 306	ND
SPS0724BH- 227	White Skim Coat Wall Plaster	Non-ACM	3rd Floor- Room 309 G	ND
SPS0724BH- 228	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 327G	ND
SPS0724BH- 229	White Skim Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 331	ND
SPS0724BH- 230	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 332	ND
SPS0724BH- 231	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 334	ND
SPS0724BH- 232	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 336	ND
SPS0724BH- 233	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Corridor at Room 338B	ND

Sample No.	Material Type	NESHAP Category	Sample Location(s)	Asbestos Content
SPS0724BH- 234	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 339B	ND
SPS0724BH- 235	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 341	ND
SPS0724BH- 236	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Corridor at Room 341	ND
SPS0724BH- 237	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 346C	ND
SPS0724BH- 238	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 347	ND
SPS0724BH- 239	White Skim Coat Ceiling Plaster	Non-ACM	3rd Floor - Room 352	ND
SPS0724BH- 240	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 352	ND
SPS0724BH- 241	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 354	ND
SPS0724BH- 242	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 365	ND
SPS0724BH- 243	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 368B	ND
SPS0724BH- 244	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Corridor at Room 376	ND
SPS0724BH- 245	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Corridor at Room 376	ND
SPS0724BH- 246	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 379	ND
SPS0724BH- 247	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 386	ND
SPS0724BH- 248	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 387	ND
SPS0724BH- 249	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 390	ND
SPS0724BH- 250	White Skim Coat Wall Plaster	Non-ACM	3rd Floor - Room 393	ND
SPS0724BH- 251	White Skim Coat Ceiling Plaster	Non-ACM	Stairwell 5	ND
SPS0724BH- 252	White Skim Coat Ceiling Plaster	Non-ACM	Stairwell 6	ND

ND=None Detected
NA/PS = Not Analyzed/Positive Stop

Table 2
Summary of Asbestos-Containing Materials
Cochran House
Fairfield Hills Campus
Newtown, Connecticut

Material Type	Homogeneous Location(s)	Asbestos Content	Estimated Total Quantity	Comments
Pipe & Mudded Pipe Fitting Insulations	Throughout	60% Amosite, 3% Crocidolite, 90% Chrysotile	36,000 LF	
Soft Textured White One Coat Ceiling Plaster	Throughout	18.3% Chrysotile	85,000 SF	
Floor Tile (Various Sizes and Colors) & Black Floor Mastic	Throughout	3% – 10% Chrysotile	110,000 SF	
Walk-in Cooler Cork Ceiling & Black Mastic	Basement – D Wing	10% Chrysotile	300 SF	
Cementitious Electrical Panel	Basement Electrical Room	Assumed	60 SF	

Material Type	Homogeneous Location(s)	Asbestos Content	Estimated Total Quantity	Comments
Interior Black Tar/Paper on Exterior Wall	Mechanical Room adjacent to Auditorium Stage	10 % Chrysotile	30 SF	
Tan Column Caulking Compounds at Interior Expansion Joint	Throughout Building Expansion Joints	3 % Chrysotile	1,000 LF	
White Putty/Caulking Compounds on Electrical Wiring inside Metal Drinking Fountain	Basement D – Wing & Rooms 207B & 346F	6 % Chrysotile	3 EA	
Black Tar on Condenser inside Metal Drinking Fountain		10 % Chrysotile		
Black Sink Undercoating	Rooms 250A & 346F	12 % Chrysotile	2 EA	
Black Glue behind Bulletin Board	Throughout 1st - 3rd Floors & Nurse Station Areas	10 % Chrysotile	120 SF	
Black Tar/Paper behind Concrete Window Sill	Building Exterior	10 % Chrysotile	2,550 SF	
Black Tar/Paper on Between Brick & Concrete Foundation		8 % Chrysotile	2,500 SF	
Exterior Window Glazing & Caulking Compounds	Exterior Window Systems	1.6% – 3% Chrysotile	850 EA	
Gray Exterior Door Caulking Compound	Exterior Door Systems	6 % Chrysotile	20 Door Systems	
Gray Exterior Coping Stone Seam Caulking Compound	Perimeter Roof Top Walls	8 % Chrysotile	1,000 LF	Material is Located under Metal Seam Strips
Perimeter & Penetration Roof Flashings	Exterior Roof	3% Chrysotile	3,500 SF	

LF = Linear Feet
EA = Each
SF = Square Feet

Table 3
Summary of PCB-Containing Materials Data
Cochran House
Fairfield Hills Campus
Newtown, Connecticut

Sample ID Number	Sample Location	Source Material Type and Color	PCB Content (ppm)
1201BH-EWC-01A	Exterior Window Systems	Gray Exterior Window Caulking Compound	ND < 0.69
1201BH-EWC-01B			ND < 0.76
1201BH-EWC-01C			ND < 0.68

Sample ID Number	Sample Location	Source Material Type and Color	PCB Content (ppm)
1201BH-EWG-01A	Exterior Window Systems	Gray Exterior Glazing Caulking Compound	ND < 0.76
1201BH-EWG-01B			ND < 0.74
1201BH-EWG-01C			ND < 0.68
1201BH-EDC-01A	Exterior Wood Door Systems	Gray Exterior Door Caulking Compound	ND < 0.80
1201BH-EDC-01B			ND < 0.77
1201BH-EDC-01C			ND < 0.78
1201BH-CSC-01A	Perimeter Roof Top Walls	Gray Exterior Coping Stone Seam Caulking Compound	ND < 0.68
1201BH-CSC-01B			ND < 0.79
1201BH-CSC-01C			ND < 0.77

ND < = None Detected/Less than Reporting Limit

Table 4
Summary of PCB-Containing Light Ballasts, Mercury-Containing Devices, and Other Building Wastes
Cochran House
Fairfield Hills Campus
Newtown, Connecticut

Waste Type	Exterior	3rd Floor	2nd Floor	1st Floor	Basement	Total
Prior Hazmat Survey Conducted by EQ Northeast, In. - October 2008						
Fluorescent Light Ballasts	21	413	413	423	615	1,885
4' Mercury Light Tubes	42	688	688	690	750	2,858.00
8' Mercury Light Tubes	0	0	0	0	12	12
Circline Fluorescent Light Tubes	0	8	8	8	24	48
U-Tube Fluorescent Light Tubes	0	130	130	130	165	555
Compact Fluorescent Light Tubes	0	6	6	64	66	142
HID Lighting Fixture	21	2	2	2	0	27
Sodium Vapor Lamps	4	0	0	0	0	4
Mercury Relay on Elevator Panel	1	0	0	0	0	1
Freezer	0	0	1	1	0	2
Dishwasher Unit	0	0	1	1	0	2
Thermometer on Dishwasher	0	0	1	1	0	2
Exit Signs	0	41	41	45	33	160
Roof Mounted Air Conditioner Units	(1)-2 Ton	0	0	0	0	(1)-2 Ton
Window Air Conditioner Units	0	1	0	0	5	6
Walk-In Refrigerator Units	0	0	0	0	6	6
Pipe Thermometers	0	0	0	0	13	13

Waste Type	Exterior	3rd Floor	2nd Floor	1st Floor	Basement	Total
Range Guard Fire Suppression Units	0	0	0	0	2	2
Honeywell Pressure Gauge	0	0	0	0	2	2
Emergency Lighting Backup Batteries	5	23	23	28	12	91
Smoke Alarms	0	63	63	67	54	247
Oil Filled Door Hinges	3	88	88	91	59	329
Water Bubbler	0	2	2	3	1	8
Fire Alarm Emergency Call Box	0	0	4	4	6	14
Latex Paint	0	0	0	0	5 Gallon	5 Gallon
Chill-Seal CP-50 A Encapsulant	0	0	0	0	5 Gallon	5 Gallon
Liquid Hand Soap Concentrate	0	0	0	0	55 Gallon	55 Gallon
Gasket Sealant	0	0	0	0	12 Oz.	12 Oz.
Hib Clenz Germicidal Soap	0	8 Oz.	0	16 Oz.	8 Oz.	32 Oz.
Brite-Glo Cleanser w/ Bleach	0	0	0	0	1 Lbs.	1 Lbs.
Amphyl Disinfectant Aerosol	0	0	0	0	14 Oz.	14 Oz.
A-1 Bleach	0	1 Gallon	0	0	0	1 Gallon
Lithium Grease	32 Oz.	0	0	0	0	32 Oz.
Elevator Motor Oil Pan	64 Oz.	0	0	0	0	64 Oz.
Oil Fluid Containers	48 Oz.	0	0	0	0	48 Oz.
Lead/Acid Car Battery	(1)-60Lbs.	0	0	0	0	(1)-60Lbs.
De-Sol Solvent	32 Oz.	0	0	0	0	32 Oz.
Legphene Germicidal Detergent	0	1 Gallon	0	0	0	1 Gallon
Circuit Board Aerosol	14 Oz.	0	0	0	0	14 Oz.
Raytheon X-Ray Unit	0	1	0	0	0	1
GE X-Ray Transformer Unit	0	(25)-40 Gallons	0	0	0	(25)-40 Gallons
Black Asphalt Roof Tar	5 Gallon	0	0	0	0	5 Gallon
WD-40	0	0	0	0	14 Oz. Can	14 Oz. Can

FUSS & O'NEILL
EnviroScience, LLC

Appendix A

Limitations

FUSS & O'NEILL
EnviroScience, LLC

APPENDIX A - LIMITATIONS

Cochran House
Mile Hill Road South
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, PCBs, and lead that must be managed prior to renovation and/or 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 (aboveground) were included in this inspection. Suspect hazardous materials may exist below the ground surface that were not included in the scope of work of this inspection. EnviroScience cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work. Only visible and accessible areas were included in the scope of work for this limited inspection.
5. The findings, observations and conclusions presented in this report are limited by the scope of services outlined in our verbal agreement and revised written agreement May 5, 2015 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.

FUSS & O'NEILL
EnviroScience, LLC

Appendix B

EnviroScience Asbestos Inspector State Licenses and EPA Accreditations

1001144 01 AV 0.378 **AUTO T6 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

1001144-0001150-0000001 of 0000001-C01-a1d00101-0564-01147

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
JOHN R. HOBBINS

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147894	000700	01/31/16

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

INSTRUCTIONS:

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

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

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

JOHN R. HOBBINS

CERTIFICATE NO
000700

CURRENT THROUGH
01/31/16

VALIDATION NO
03-147894

SIGNATURE COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
JOHN R. HOBBINS

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147894	000700	01/31/16

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

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

This is to certify that

John Robert Hobbins

xxx-xx-6853

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

September 3, 2014
Date of Course

AI-R-09/14-6
Certificate Number

September 3, 2014
Examination Date

September 3, 2015
Expiration Date

QuES&T

Quality Environmental Solutions & Technologies, Inc
1376 Route 9, Wappingers Falls, NY 12590
Phone 845-298-6031 Fax 845-298-6251

HEREBY CERTIFIES THAT

JOHN R. HOBBINS

HÁS SUCCESSFULLY COMPLETED A TRAINING SEMINAR IN:

NYS/EPA INSPECTOR REFRESHER

MEETING THE REQUIREMENTS OF NYSDOH 10 NYCRR, PART 73 AND TSCA TITLE 11 AND RECEIVED THIS CERTIFICATE BY:

KENNETH C. ECK
TRAINING DIRECTOR

NOTE: Official record of successful completion is DOH 2832 Certificate of Completion of Asbestos Safety Training

Note: DOH 2832 - A $20 fee shall be charged for replacement of Certificate of Completion DOH 2832

ON THIS DATE: 09/16/2015

CERTIFICATE NUMBER: 738120

EXPIRATION DATE 09/16/2016

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

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

Dear JOHN R. HOBBINS,

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

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

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

Sincerely,

Jewel Mullen MD MPH MPA

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

1001143-0001149-0000001 of 0000001-C01-aid000101-0564-01146

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
JOHN R. HOBBINS

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147893	002156	01/31/16

PROFESSION
LEAD INSPECTOR

SIGNATURE COMMISSIONER

INSTRUCTIONS:

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

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

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

JOHN R. HOBBINS

CERTIFICATE NO
002156

CURRENT THROUGH
01/31/16

VALIDATION NO
03-147893

SIGNATURE COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
JOHN R. HOBBINS

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-147893	002156	01/31/16

PROFESSION
LEAD INSPECTOR

SIGNATURE COMMISSIONER

Certificate of Training

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

Awarded to

JOHN ROBERT HOBBINS

146 HARTFORD ROAD, MANCHESTER, CT 06040

has successfully completed a 7 hour, 1 day

Lead Inspector Refresher Training

February 11 & 19, 2015

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

Presented by

Mystic Air Quality Consultants, Inc.

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

Certificate Number: LITR23753 **Exam Grade: 100** **Exam Date: 02/19/2015** **Expiration Date: 02/19/2016**

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Richard Haffey, Training Director

Dear SANDRA L GUZMAN,

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

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

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

Sincerely,

Jewel Mullen MD MPH

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

1011198-0011224-0000001 of 0000001-C01-a1d00101-1264-11211

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
SANDRA L GUZMAN

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-928852	000823	08/31/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE — COMMISSIONER

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

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

SANDRA L GUZMAN

CERTIFICATE NO.
000823

CURRENT THROUGH
08/31/15

VALIDATION NO.
03-928852

SIGNATURE — COMMISSIONER

INSTRUCTIONS:

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

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
SANDRA L GUZMAN

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-928852	000823	08/31/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE — COMMISSIONER

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

1015117-0015151-0000001 of 0000001-C01-a1d00101-1364-15134

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
SANDRA L GUZMAN

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-286700	000823	08/31/16

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE — COMMISSIONER

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

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

SANDRA L GUZMAN

CERTIFICATE NO.
000823

CURRENT THROUGH
08/31/16

VALIDATION NO.
03-286700

SIGNATURE — COMMISSIONER

INSTRUCTIONS:

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
SANDRA L GUZMAN

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-286700	000823	08/31/16

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE — COMMISSIONER

CARDNO-ATC

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

certifies that

Sandra Guzman-Castro

XXX-XX-XXXX

(Social Security Number)

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

Asbestos Inspector Refresher

on

November 6, 2014

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

This course meets the requirements of TSCA Title II

8Certificate#: NYS –RHIIIR-19968 **Exam date: 11-06-14** **Expiration Date: 11-067--15**

Course Location Cardno ATC, NYC

Signed: _____

Steve Winograd, Director of Training

CARDNO ATC

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

certifies that

Sandra Guzman

XX-XX-XXXX

(Social Security Number)

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

Asbestos Inspector Refresher

on

September 15, 2015

**** 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

Certificate#: NYS –RHIIIR-20419 **Exam date: 09-15-15** **Expiration Date: 09-15-16**

Course Location Cardno ATC, NYC

Signed: _____

Steve Winograd, Director of Training

Dear HELEN RIMSA,

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

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

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

Sincerely,

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

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
HELEN RIMSA

VALIDATION NO	CERTIFICATE NO	CURRENT THROUGH
03-177380	000764	03/31/16

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

COMMISSIONER

Certificate of Training

Awarded to

HELEN RIMSA

For successful completion of a 4 Hour, 1/2 Day

Asbestos Building Inspector
Annual Refresher Training
March 6, 2015

This training was approved and given in accordance with the Regulations for Connecticut State Agencies RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

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

Certificate Number: ABIRF23819 **Exam Grade: 95** **Exam Date: 03/06/2015** **Expiration Date: 03/06/2016**

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director

Richard Haffey, Training Director

1001308 01 AV 0.378 **AUTO 16 2 1564 06040-599246 C01 P01311 I

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

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

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

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
THOMAS M. CRUESS

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-119408	000210	11/30/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

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

THOMAS M. CRUESS

CERTIFICATE NO.
000210

CURRENT THROUGH
11/30/15

VALIDATION NO.
03-119408

SIGNATURE COMMISSIONER

INSTRUCTIONS:

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

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
THOMAS M. CRUESS

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-119408	000210	11/30/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

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

This is to certify that

Thomas Cruess

xxx-xx-8566

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

September 3, 2014
Date of Course

AI-R-09/14-5
Certificate Number

September 3, 2014
Examination Date

September 3, 2015
Expiration Date

Certificate of Training

Awarded to

THOMAS M. CRUESS

For successful completion of a 4 Hour, 1/2 Day

Asbestos Building Inspector

Annual Refresher Training

September 2, 2015

This training was approved and given in accordance with the Regulations for Connecticut State Agencies RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.

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

Certificate Number: ABIRF24322 **Exam Grade: 100** **Expiration Date: 09/02/2016**

Exam Date: 09/02/2015

Christopher J. Eident, CIH, CSP, RS ***George Williamson, Training Director***

Richard Haffey, Training Director

FUSS & O'NEILL
EnviroScience, LLC

Appendix C

Asbestos Laboratory Analytical Reports and Chain-of-Custody Forms

OrderID: 621501534

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

56 Quarry Road, Trumbull, CT 066611 621501534 Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 1 of 4

Project Name: Fairfield Hills–Cochran House Project No. 20141268.B1E Date: August 18, 2015

Site Address: Mile Hill Rd S., Newtown, CT Building: Cochran House Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0725BH01A	Room 176	Tan Paper Backing on Fiberglass Metal Ceiling Tile Insulation
0725BH01B	Room 274	Tan Paper Backing on Fiberglass Metal Ceiling Tile Insulation
***0725BH02A**	**Room 290**	**Black Tar on Foam Insulation in Pipe Chase**
0725BH02B	Room 306	Black Tar on Foam Insulation in Pipe Chase
***0725BH03A**	**Mechanical Room adj. to Auditorium Stage**	**Black Tar/Paper on Exterior Wall**
0725BH03B	Mechanical Room adj. to Auditorium Stage	Black Tar/Paper on Exterior Wall
***0725BH04A**	**Corridor at Room 101**	**White Column Caulking at Expansion Joint**
0725BH04B	Corridor at Room 101	White Column Caulking at Expansion Joint
***0725BH05A**	**Corridor at Room 129**	**Tan Column Caulking at Expansion Joint**
0725BH05B	Corridor at Room 296	Tan Column Caulking at Expansion Joint
***0725BH06A**	**Corridor at 201**	**Black Felt/Tar at Floor Expansion Joint**
0725BH06B	Corridor at 201	Black Felt/Tar at Floor Expansion Joint
***0725BH107A**	**Room B76**	**Black Wrap on Condenser Hose inside Metal Drinking Fountain**
0725BH07B	Room B76	Black Wrap on Condenser Hose inside Metal Drinking Fountain
***0725BH08A**	**Room 207B**	**White Putty/Caulking on Wiring inside Metal Drinking Fountain**

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

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

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

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

Samples collected by: B. Hobbins TSH **Date** 7-25-15 **Time:** _____

Samples Sent by: B. Hobbins TSH **Date:** 8-17-15 **Time:** _____

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State ME ☐ Other _____

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

7950 4486 7283

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AUG 19 2015
By AM

OrderID: 621501534

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

56 Quarry Road, Trumbull, CT 066611 621501534 Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 2 of 4

Project Name: Fairfield Hills–Cochran House Project No. 20141268.B1E Date: August 18, 2015

Site Address: Mile Hill Rd S., Newtown, CT Building: Cochran House Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0725BH08B	Room 207B	White Putty/Caulking on Wiring inside Metal Drinking Fountain
***0725BH09A**	**Room 250A**	**Black Sink Undercoating**
0725BH09B	Room 346F	Black Sink Undercoating
***0725BH10A**	**Room 346F**	**Black Tar on Condenser inside Metal Drinking Fountain**
0725BH10B	Room 346F	Black Tar on Condenser inside Metal Drinking Fountain
***0725BH11A**	**3rd Floor West Wing South–Nurse Station**	**Black Glue behind Bulletin Board**
0725BH11B	2nd Floor East Wing South–Nurse Station	Black Glue behind Bulletin Board
0725BH11C	1st Floor East Wing North–Nurse Station	Black Glue behind Bulletin Board
***0725BH12A**	**3rd Floor West Wing South–Nurse Station**	**Tan Glue at Reception Desk**
0725BH12B	3rd Floor West Wing South–Nurse Station	Tan Glue at Reception Desk
***0725BH13A**	**2nd Floor East Wing North–Nurse Station**	**Yellow Glue behind Laminate Wall Panel**
0725BH13B	2nd Floor East Wing North–Nurse Station	Yellow Glue behind Laminate Wall Panel
0725BH14A	3rd Floor West Wing South–Nurse Station	Tan/White Laminate Countertop/Glue
0725BH14B	1stFloor West Wing North–Nurse Station	Tan/White Laminate Countertop/Glue
0725BH15A	Room 306	Tan Ceramic Block Wall Tile

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

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

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

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

Samples collected by: B. Hobbins BH **Date** 7-25-15 **Time:** _____

Samples Sent by: B. Hobbins BH **Date:** 8-17-15 **Time:** _____

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State ME ☐ Other _____

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

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By

OrderID: 621501534

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

56 Quarry Road, Trumbull, CT 066611 Phone (203) 374-3748 Fax (203) 374-4391

621501534

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 3 of 4

Project Name: Fairfield Hills–Cochran House Project No. 20141268.B1E Date: August 18, 2015

Site Address: Mile Hill Rd S., Newtown, CT Building: Cochran House Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0725BH15B	Room 250D	Tan Ceramic Block Wall Tile
0725BH16A	Room 306	White Ceramic Block Tile Grout
0725BH16B	Room 250D	White Ceramic Block Tile Grout
0725BH17A	Room 305	Blue Ceramic Floor Tile
0725BH17B	Room 124	Blue Ceramic Floor Tile
0725BH18A	Room 305	Ceramic Floor Tile Grout
0725BH18B	Room 124	Ceramic Floor Tile Grout
***0725BH19A**	**Room 305**	**Ceramic Floor Tile Glue**
0725BH19B	Room 305	Ceramic Floor Tile Glue
0725BH20A	Room 305	Ceramic Floor Tile Thinset
0725BH20B	Room 124	Ceramic Floor Tile Thinset
***0725BH21A**	**Room 118**	**Black Felt/Tar under Ceramic Floor Tile**
0725BH21B	Room 118	Black Felt/Tar under Ceramic Floor Tile
0725BH22A	Room 275	Red Quarry Floor Tile
0725BH22B	Room 121	Red Quarry Floor Tile

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

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

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

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

Samples collected by: B. Hobbins BH **Date** 7-25-15 **Time:** _____

Samples Sent by: B. Hobbins BH **Date:** 8-17-15 **Time:** _____

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State ME ☐ Other _____

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

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AUG 19 2015
By AM

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OrderID: 621501534

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

56 Quarry Road, Trumbull, CT 066611 621501534 Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 4 of 4

Project Name: Fairfield Hills–Cochran House Project No. 20141268.B1E Date: August 18, 2015

Site Address: Mile Hill Rd S., Newtown, CT Building: Cochran House Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0725BH23A	Room 275	Quarry Floor Tile Grout
0725BH23B	Room 121	Quarry Floor Tile Grout
***0725BH24A**	**Basement West Wing South**	**Red Flooring**
0725BH24B	Basement West Wing South	Red Flooring
***0725BH25A**	**Basement West Wing South**	**Brown Floor Mastic**
0725BH25B	Basement West Wing South	Brown Floor Mastic
0725BH26A	Corridor at Rom 261	Green Terrazzo Flooring
0725BH26B	Corridor at Rom 261	Green Terrazzo Flooring
0725BH27A	Room 301	Tan Terrazzo Flooring
0725BH27B	Room 301	Tan Terrazzo Flooring
***0725BH28A**	**Exterior of Building**	**Black Tar/Paper behind Concrete Window Sill**
0725BH28B	Exterior of Building	Black Tar/Paper behind Concrete Window Sill
***0725BH29A**	**Exterior of Building**	**Black Tar/Paper on top of Concrete Foundation**
0725BH29B	Exterior of Building	Black Tar/Paper on top of Concrete Foundation

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

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

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

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

Samples collected by: B. Hobbins BH BH **Date** 7-25-15 **Time:** _____

Samples Sent by: B. Hobbins **Date:** 8-17-15 **Time:** _____

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State ME ☐ Other _____

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

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AUG 19 2015
By

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

EMSL Order ID: 621501534
Customer ID: ENVI54
Customer PO: 20141268.B1E
Project ID:

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

Phone: (860) 646-2469
Fax: (888) 838-1160
Collected: 8/18/2015
Received: 8/19/2015
Analyzed: 8/24/2015

Proj: FAIRFIELD HILLS - COCHRAN HOUSE 20141268.B1E

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

Client Sample ID: 0725BH01A ***Lab Sample ID:*** **621501534-0001**
Sample Description: ROOM 176/TAN PAPER BACKING ON FIBERGLASS METAL CEILING TILE INSULATION

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Tan	95%	5%	None Detected	

Client Sample ID: 0725BH01B ***Lab Sample ID:*** **621501534-0002**
Sample Description: ROOM 274/TAN PAPER BACKING ON FIBERGLASS METAL CEILING TILE INSULATION

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Tan	100%	0%	None Detected	

Client Sample ID: 0725BH02A ***Lab Sample ID:*** **621501534-0003**
Sample Description: ROOM 290/BLACK TAR ON FOAM INSULATION IN PIPE CHASE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	8/21/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 0725BH02B ***Lab Sample ID:*** **621501534-0004**
Sample Description: ROOM 306/BLACK TAR ON FOAM INSULATION IN PIPE CHASE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Black	0%	100%	None Detected	

Client Sample ID: 0725BH03A ***Lab Sample ID:*** **621501534-0005**
Sample Description: MECHANICAL ROOM ADJ. TO AUDITORIUM STAGE/BLACK TAR/PAPER ON EXTERIOR WALL

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	65%	25%	**10% Chrysotile**	

Client Sample ID: 0725BH03B ***Lab Sample ID:*** **621501534-0006**
Sample Description: MECHANICAL ROOM ADJ. TO AUDITORIUM STAGE/BLACK TAR/PAPER ON EXTERIOR WALL

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0725BH04A ***Lab Sample ID:*** **621501534-0007**
Sample Description: CORRIDOR AT ROOM 101/WHITE COLUMN CAULKING AT EXPANSION JOINT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	White	0%	100%	None Detected	
TEM Grav. Reduction	8/21/2015	White	0.0%	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: 0725BH04B ***Lab Sample ID:*** **621501534-0008**
Sample Description: CORRIDOR AT ROOM 101/WHITE COLUMN CAULKING AT EXPANSION JOINT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	White	0%	100%	None Detected	

Client Sample ID: 0725BH05A ***Lab Sample ID:*** **621501534-0009**
Sample Description: CORRIDOR AT ROOM 129/TAN COLUMN CAULKING AT EXPANSION JOINT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Tan	0%	97%	**3% Chrysotile**	

Client Sample ID: 0725BH05B ***Lab Sample ID:*** **621501534-0010**
Sample Description: CORRIDOR AT ROOM 129/TAN COLUMN CAULKING AT EXPANSION JOINT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 0725BH06A ***Lab Sample ID:*** **621501534-0011**
Sample Description: CORRIDOR AT 201/BLACK FELT/TAR AT FLOOR EXPANSION JOINT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	70%	30%	None Detected	
TEM Grav. Reduction	8/21/2015	Black	0.24%	99.8%	None Detected	

Client Sample ID: 0725BH06B ***Lab Sample ID:*** **621501534-0012**
Sample Description: CORRIDOR AT 201/BLACK FELT/TAR AT FLOOR EXPANSION JOINT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Black	76%	24%	None Detected	

Client Sample ID: 0725BH07A ***Lab Sample ID:*** **621501534-0013**
Sample Description: ROOM B76/BLACK WRAP ON CONDENSER HOSE INSIDE METAL DRINKING FOUNTAIN

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	5%	95%	None Detected	
TEM Grav. Reduction	8/21/2015	Black	<0.1%	100%	None Detected	

Client Sample ID: 0725BH07B ***Lab Sample ID:*** **621501534-0014**
Sample Description: ROOM B76/BLACK WRAP ON CONDENSER HOSE INSIDE METAL DRINKING FOUNTAIN

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Black	5%	95%	None Detected	

Client Sample ID: 0725BH08A ***Lab Sample ID:*** **621501534-0015**
Sample Description: ROOM 207B/WHITE PUTTY/CAULKING ON WIRING INSIDE METAL DRINKING FOUNTAIN

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	White	0%	94%	**6% Chrysotile**	

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

Client Sample ID: 0725BH08B ***Lab Sample ID:*** **621501534-0016**

Sample Description: ROOM 207B/WHITE PUTTY/CAULKING ON WIRING INSIDE METAL DRINKING FOUNTAIN

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015			Stop Positive (Not Analyzed)		

Client Sample ID: 0725BH09A ***Lab Sample ID:*** **621501534-0017**

Sample Description: ROOM 250A/BLACK SINK UNDERCOATING

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	0%	88%	**12% Chrysotile**	

Client Sample ID: 0725BH09B ***Lab Sample ID:*** **621501534-0018**

Sample Description: ROOM 346F/BLACK SINK UNDERCOATING

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015			Stop Positive (Not Analyzed)		

Client Sample ID: 0725BH10A ***Lab Sample ID:*** **621501534-0019**

Sample Description: ROOM 346F/BLACK TAR ON CONDENSER INSIDE METAL DRINKING FOUNTAIN

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	0%	90%	**10% Chrysotile**	

Client Sample ID: 0725BH10B ***Lab Sample ID:*** **621501534-0020**

Sample Description: ROOM 346F/BLACK TAR ON CONDENSER INSIDE METAL DRINKING FOUNTAIN

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015			Stop Positive (Not Analyzed)		

Client Sample ID: 0725BH11A ***Lab Sample ID:*** **621501534-0021**

Sample Description: 3RD FLOOR WEST WING SOUTH - NURSE STATION/BLACK GLUE BEHIND BULLETIN BOARD

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	0%	90%	**10% Chrysotile**	

Client Sample ID: 0725BH11B ***Lab Sample ID:*** **621501534-0022**

Sample Description: 2ND FLOOR EAST WING SOUTH - NURSE STATION/BLACK GLUE BEHIND BULLETIN BOARD

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015			Stop Positive (Not Analyzed)		

Client Sample ID: 0725BH11C ***Lab Sample ID:*** **621501534-0023**

Sample Description: 1ST FLOOR EAST WING NORTH - NURSE STATION/BLACK GLUE BEHIND BULLETIN BOARD

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015			Stop Positive (Not Analyzed)		

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

Client Sample ID: 0725BH12A ***Lab Sample ID:*** **621501534-0024**

Sample Description: 3RD FLOOR WEST WING SOUTH - NURSE STATION/TAN GLUE AT RECEPTION DESK

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Tan	6%	94%	None Detected	
TEM Grav. Reduction	8/21/2015	Tan	8.2%	91.8%	None Detected	

Client Sample ID: 0725BH12B ***Lab Sample ID:*** **621501534-0025**

Sample Description: 3RD FLOOR WEST WING SOUTH - NURSE STATION/TAN GLUE AT RECEPTION DESK

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Tan	6%	94%	None Detected	

Client Sample ID: 0725BH13A ***Lab Sample ID:*** **621501534-0026**

Sample Description: 2ND FLOOR EAST WING NORTH - NURSE STATION/YELLOW GLUE BEHIND LAMINATE WALL PANEL

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Yellow	0%	100%	None Detected	
TEM Grav. Reduction	8/21/2015	Yellow	0.0%	100%	None Detected	

Client Sample ID: 0725BH13B ***Lab Sample ID:*** **621501534-0027**

Sample Description: 2ND FLOOR EAST WING NORTH - NURSE STATION/YELLOW GLUE BEHIND LAMINATE WALL PANEL

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Yellow	0%	100%	None Detected	

Client Sample ID: 0725BH14A ***Lab Sample ID:*** **621501534-0028**

Sample Description: 3RD FLOOR WEST WING SOUTH - NURSE STATION/TAN/WHITE LAMINATE COUNTERTOP/GLUE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 0725BH14B ***Lab Sample ID:*** **621501534-0029**

Sample Description: 1ST FLOOR WEST WINF NORTH - NURSE STATION/TAN/WHITE LAMINATE COUNTERTOP/GLUE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 0725BH15A ***Lab Sample ID:*** **621501534-0030**

Sample Description: ROOM 306/TAN CERAMIC BLOCK WALL TILE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0725BH15B ***Lab Sample ID:*** **621501534-0031**

Sample Description: ROOM 250D/TAN CERAMIC BLOCK WALL TILE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Tan	0%	100%	None Detected	

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

Client Sample ID: 0725BH16A ***Lab Sample ID:*** **621501534-0032**
Sample Description: ROOM 306/WHITE CERAMIC BLOCK TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	White	0%	100%	None Detected	

Client Sample ID: 0725BH16B ***Lab Sample ID:*** **621501534-0033**
Sample Description: ROOM 250D/WHITE CERAMIC BLOCK TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	White	0%	100%	None Detected	

Client Sample ID: 0725BH17A ***Lab Sample ID:*** **621501534-0034**
Sample Description: ROOM 305/BLUE CERAMIC FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Blue	0%	100%	None Detected	

Client Sample ID: 0725BH17B ***Lab Sample ID:*** **621501534-0035**
Sample Description: ROOM 124/BLUE CERAMIC FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Blue	0%	100%	None Detected	

Client Sample ID: 0725BH18A ***Lab Sample ID:*** **621501534-0036**
Sample Description: ROOM 305/CERAMIC FLOOR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0725BH18B ***Lab Sample ID:*** **621501534-0037**
Sample Description: ROOM 124/CERAMIC FLOOR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0725BH19A ***Lab Sample ID:*** **621501534-0038**
Sample Description: ROOM 305/CERAMIC FLOOR TILE GLUE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Brown/Yellow	0%	100%	None Detected	
TEM Grav. Reduction	8/21/2015	Brown/Yellow	0.0%	100%	None Detected	

Client Sample ID: 0725BH19B ***Lab Sample ID:*** **621501534-0039**
Sample Description: ROOM 305/CERAMIC FLOOR TILE GLUE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Brown/Yellow	0%	100%	None Detected	

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

Client Sample ID: 0725BH20A ***Lab Sample ID:*** **621501534-0040**
Sample Description: ROOM 305/CERAMIC FLOOR TILE THINSET

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0725BH20B ***Lab Sample ID:*** **621501534-0041**
Sample Description: ROOM 124/CERAMIC FLOOR TILE THINSET

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0725BH21A ***Lab Sample ID:*** **621501534-0042**
Sample Description: ROOM 118/BLACK FELT/TAR UNDER CERAMIC FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	60%	40%	None Detected	
TEM Grav. Reduction	8/21/2015	Black	0.0%	99.8%	**0.25% Chrysotile**	

Client Sample ID: 0725BH21B ***Lab Sample ID:*** **621501534-0043**
Sample Description: ROOM 118/BLACK FELT/TAR UNDER CERAMIC FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Black	55%	45%	None Detected	

Client Sample ID: 0725BH22A ***Lab Sample ID:*** **621501534-0044**
Sample Description: ROOM 275/RED QUARRY FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Red	0%	100%	None Detected	

Client Sample ID: 0725BH22B ***Lab Sample ID:*** **621501534-0045**
Sample Description: ROOM 121/RED QUARRY FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Red	0%	100%	None Detected	

Client Sample ID: 0725BH23A ***Lab Sample ID:*** **621501534-0046**
Sample Description: ROOM 275/QUARRY FLOOR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Gray	0%	100%	None Detected	

Client Sample ID: 0725BH23B ***Lab Sample ID:*** **621501534-0047**
Sample Description: ROOM 121/QUARRY FLOOR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Gray	0%	100%	None Detected	

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

Client Sample ID: 0725BH24A ***Lab Sample ID:*** **621501534-0048**
Sample Description: BASEMENT WEST WING SOUTH/RED FLOORING

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Red	5%	95%	None Detected	
TEM Grav. Reduction	8/21/2015	Brown/Red	0.0%	100%	None Detected	

Client Sample ID: 0725BH24B ***Lab Sample ID:*** **621501534-0049**
Sample Description: BASEMENT WEST WING SOUTH/RED FLOORING

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Red	5%	95%	None Detected	

Client Sample ID: 0725BH25A ***Lab Sample ID:*** **621501534-0050**
Sample Description: BASEMENT WEST WING SOUTH/BROWN FLOOR MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Brown	0%	100%	None Detected	
TEM Grav. Reduction	8/21/2015	Brown	0.0%	100%	None Detected	

Client Sample ID: 0725BH25B ***Lab Sample ID:*** **621501534-0051**
Sample Description: BASEMENT WEST WING SOUTH/BROWN FLOOR MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Brown	0%	100%	None Detected	

Client Sample ID: 0725BH26A ***Lab Sample ID:*** **621501534-0052**
Sample Description: CORRIDOR AT ROOM 261/GREEN TERRAZZO FLOORING

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Green	0%	100%	None Detected	

Client Sample ID: 0725BH26B ***Lab Sample ID:*** **621501534-0053**
Sample Description: CORRIDOR AT ROOM 261/GREEN TERRAZZO FLOORING

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Green	0%	100%	None Detected	

Client Sample ID: 0725BH27A ***Lab Sample ID:*** **621501534-0054**
Sample Description: ROOM 301/TAN TERRAZZO FLOORING

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Tan	0%	100%	None Detected	

Client Sample ID: 0725BH27B ***Lab Sample ID:*** **621501534-0055**
Sample Description: ROOM 301/TAN TERRAZZO FLOORING

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	8/24/2015	Tan	0%	100%	None Detected	

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

Client Sample ID: 0725BH28A ***Lab Sample ID:*** **621501534-0056**

Sample Description: EXTERIOR OF BUILDING/BLACK TAR/PAPER BEHIND CONCRETE WINDOW SILL

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	60%	30%	**10% Chrysotile**	

Client Sample ID: 0725BH28B ***Lab Sample ID:*** **621501534-0057**

Sample Description: EXTERIOR OF BUILDING/BLACK TAR/PAPER BEHIND CONCRETE WINDOW SILL

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015			Stop Positive (Not Analyzed)		

Client Sample ID: 0725BH29A ***Lab Sample ID:*** **621501534-0058**

Sample Description: EXTERIOR OF BUILDING/BLACK TAR/PAPER ON TOP OF CONCRETE FOUNDATION

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015	Black	65%	27%	**8% Chrysotile**	

Client Sample ID: 0725BH29B ***Lab Sample ID:*** **621501534-0059**

Sample Description: EXTERIOR OF BUILDING/BLACK TAR/PAPER ON TOP OF CONCRETE FOUNDATION

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	8/20/2015			Stop Positive (Not Analyzed)		

PLM: ME CERT #BA-0166 (DL), ME CERT # BA-0150 (AM)

TEM EPA NOB: ME CERT #BA-0166 (DL), ME CERT # BA-0150 (AM)

Analyst(s):

Alexander Maxinoski	PLM (29) TEM Grav. Reduction (10)
Desiree Lunt	PLM (21)

Reviewed and approved by:

Alexander Maxinoski, Asbestos Laboratory Manager
or Other Approved Signatory

Samples analyzed by EMSL Analytical, Inc. South Portland, ME

Initial report from: 08/24/201510:54:21

OrderID: 621502009

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54

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ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 1 of 1

Project Name: Fairfield Hills–Cochran House Project No. 20141268.B1E Date: November 24, 2015

Site Address: Mile Hill Rd S., Newtown, CT Building: Cochran House Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
***1120BH01A**	Exterior Door Systems	Exterior Door Caulking Compounds
1120BH01B	Exterior Door Systems	Exterior Door Caulking Compounds
1120BH01C	Exterior Door Systems	Exterior Door Caulking Compounds
***1120BH02A**	Exterior Roof Top Wall	Exterior Coping Stone Seam Caulking Compounds
1120BH02B	Exterior Roof Top Wall	Exterior Coping Stone Seam Caulking Compounds
1120BH02C	Exterior Roof Top Wall	Exterior Coping Stone Seam Caulking Compounds

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

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

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

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

Samples collected by: B. Hobbins BH **Date** 11.20.15 **Time:** _____

Samples Sent by: B. Hobbins BH **Date:** 11.24.15 **Time:** _____

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State ME ☐ Other _____

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

EMSL FEDEX 7950 6275 4588

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EMSL Order: 621502009
Customer ID: ENVI54
Customer PO: 20141268.B1E
Project ID:

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

Phone: (203) 641-2782
Fax: (888) 838-1160
Received Date: 11/25/2015 10:37 AM
Analysis Date: 11/25/2015
Collected Date: 11/20/2015

Project: 20141268.B1E FAIRFIELD HILLS - COCHRAN HOUSE

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1120BH01A *621502009-0001*	EXTERIOR DOOR SYSTEMS - EXTERIOR DOOR CAULKING COMPOUNDS	Gray/White Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
1120BH01B *621502009-0002*	EXTERIOR DOOR SYSTEMS - EXTERIOR DOOR CAULKING COMPOUNDS				Stop Positive (Not Analyzed)
1120BH01C *621502009-0003*	EXTERIOR DOOR SYSTEMS - EXTERIOR DOOR CAULKING COMPOUNDS				Stop Positive (Not Analyzed)
1120BH02A *621502009-0004*	EXTERIOR ROOF TOP WALL - EXTERIOR COPING STONE SEAM CAULKING COMPOUNDS	Gray/White Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
1120BH02B *621502009-0005*	EXTERIOR ROOF TOP WALL - EXTERIOR COPING STONE SEAM CAULKING COMPOUNDS				Stop Positive (Not Analyzed)
1120BH02C *621502009-0006*	EXTERIOR ROOF TOP WALL - EXTERIOR COPING STONE SEAM CAULKING COMPOUNDS				Stop Positive (Not Analyzed)

Analyst(s)
Desiree Lunt (2)

Alexander Maxinoski, Asbestos Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. South Portland, ME NVLAP Lab Code 500094-0, Massachusetts AA000236

Initial Report From: 11/25/2015 16:46:20

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Results you can rely on

BULK ASBESTOS ANALYSIS REPORT

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

Lab Log #: 0088061
Project #: 20141268.B1E
Date Received: 07/28/2015
Date Analyzed: 08/17/2015

Site: FFH, Cochran House, Mille Hill Road South, Newtown, CT

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-01♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-02♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-03♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-04♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-05♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-06♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-07♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-08♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-09♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-10♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-11♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-12♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-13♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-14♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-15♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-16♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-17♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-18♣ ♦	Grey	Yes	No	- -	- - -	ND	None

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-19♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-20♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-21♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-22♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-23♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-24♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-25♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-26♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-27♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-28♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-29♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-30♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-31♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-32♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-33♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-34♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-35♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-36♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-37♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-38♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-39♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-40♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-41♣ ♦	Grey	Yes	No	- -	- - -	ND	None

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Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-42♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-43♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-44♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-45♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-46♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-47♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-48♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-49♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-50♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-51♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-52♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-53♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-54♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-55♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-56♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-57♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-58♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-59♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-60♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-61♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-62♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-63♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-64♣ ♦	Grey	Yes	No	- -	- - -	ND	None

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Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-65♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-66♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-67♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-68♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-69♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-70♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-71♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-72♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-73♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-74♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-75♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-76♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-77♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-78♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-79♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-80♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-81♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-82♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-83♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-84♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-85♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-86♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-87♣ ♦	Grey	Yes	No	- -	- - -	ND	None

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Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-88♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-89♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-90♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-91♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-92♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-93♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-94♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-95♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-96♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-97♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-98♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-99♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-100♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-101♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-102♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-103♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-104♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-105♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-106♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-107♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-108♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-109♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-110♣ ♦	Grey	Yes	No	- -	- - -	ND	None

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Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-111♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-112♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-113♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-114♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-115♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-116♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-117♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-118♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-119♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-120♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-121♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-122♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-123♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-124♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-125♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-126♣ ♦	Grey	Yes	No	- -	- - -	ND	None
SPS0724BH-127♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-128♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-129♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-130♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-131♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-132♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-133♣ ♦	White	Yes	No	- -	- - -	ND	None

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-134♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-135♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-136♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-137♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-138♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-139♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-140♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-141♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-142♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-143♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-144♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-145♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-146♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-147♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-148♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-149♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-150♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-151♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-152♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-153♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-154♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-155♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-156♣ ♦	White	Yes	No	- -	- - -	ND	None

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-157♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-158♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-159♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-160♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-161♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-162♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-163♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-164♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-165♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-166♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-167♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-168♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-169♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-170♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-171♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-172♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-173♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-174♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-175♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-176♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-177♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-178♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-179♣ ♦	White	Yes	No	- -	- - -	ND	None

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-180♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-181♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-182♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-183♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-184♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-185♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-186♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-187♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-188♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-189♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-190♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-191♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-192♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-193♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-194♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-195♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-196♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-197♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-198♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-199♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-200♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-201♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-202♣ ♦	White	Yes	No	- -	- - -	ND	None

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-203♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-204♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-205♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-206♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-207♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-208♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-209♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-210♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-211♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-212♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-213♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-214♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-215♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-216♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-217♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-218♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-219♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-220♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-221♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-222♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-223♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-224♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-225♣ ♦	White	Yes	No	- -	- - -	ND	None

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-226♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-227♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-228♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-229♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-230♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-231♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-232♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-233♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-234♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-235♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-236♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-237♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-238♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-239♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-240♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-241♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-242♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-243♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-244♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-245♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-246♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-247♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-248♣ ♦	White	Yes	No	- -	- - -	ND	None

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
SPS0724BH-249♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-250♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-251♣ ♦	White	Yes	No	- -	- - -	ND	None
SPS0724BH-252♣ ♦	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.

♣Samples analyzed by EPA/600/R-93/116 with gravimetric reduction

Reporting limit- asbestos present at 1%
ND - asbestos was not detected
Trace - asbestos was observed at level of less than 1%
NA/PS - Not Analyzed / Positive Stop
SNA- Sample Not Analyzed- See Chain of Custody for details

* Indicates a non-friable organically bound material. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.
The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2015. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2016. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

Analyzed by: K. Williamson — Kathleen Williamson, Laboratory Manager

Reviewed by: Amanda Parkins — Amanda Parkins, Approved Signatory

Date Issued 08/18/2015

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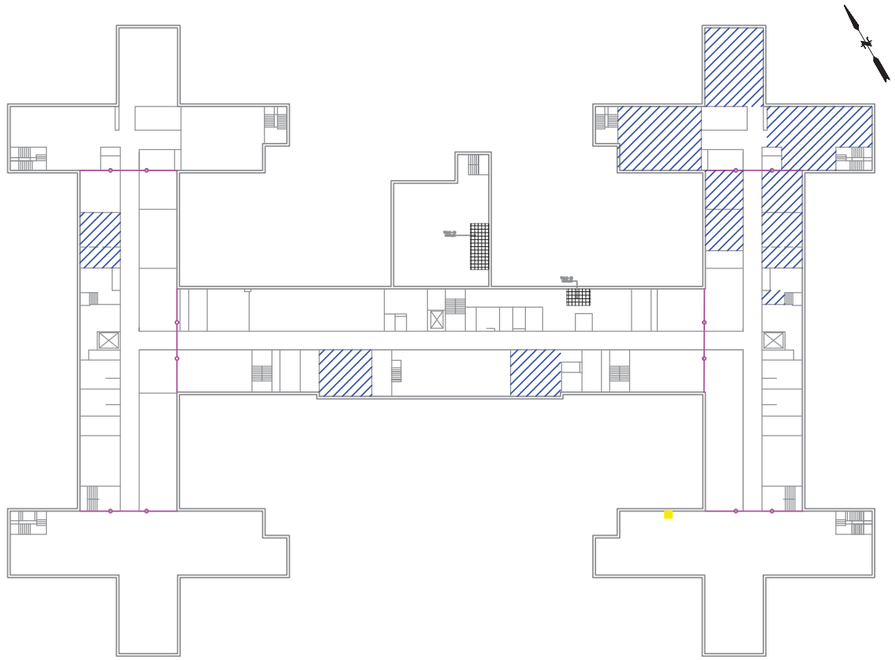
Appendix D

Asbestos-Containing Materials Locations Diagrams

LEGEND

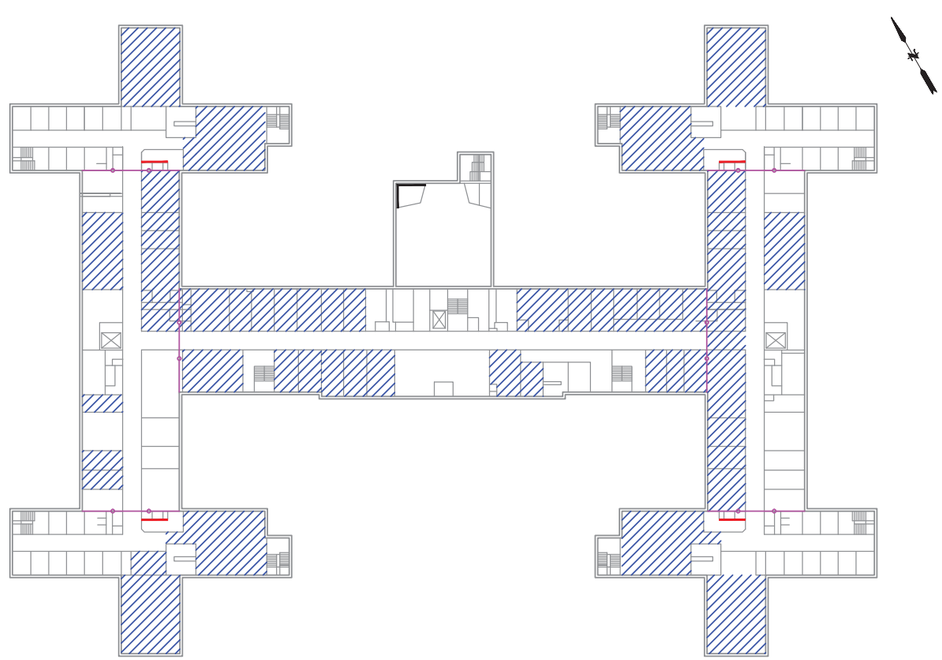
- FLOOR TILE & MASTIC
- CEILING CORK AND MASTIC
- TAN COLUMN CAULKING COMPOUNDS AT EXPANSION JOINT
- DRINKING FOUNTAIN WITH BLACK TAR ON CONDENSER AND WHITE PUTTY/CAULKING ON ELECTRICAL WIRING



1 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
BASEMENT – COCHRAN HOUSE
SCALE: N.T.S.

LEGEND

- FLOOR TILE & MASTIC
- BLACK PAPER/TAR ON EXTERIOR WALL
- BLACK BULLETIN BOARD GLUE
- TAN COLUMN CAULKING COMPOUNDS AT EXPANSION JOINT



2 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
FIRST FLOOR – COCHRAN HOUSE
SCALE: N.T.S.

NOTE:

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ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION

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NEWTOWN CONNECTICUT

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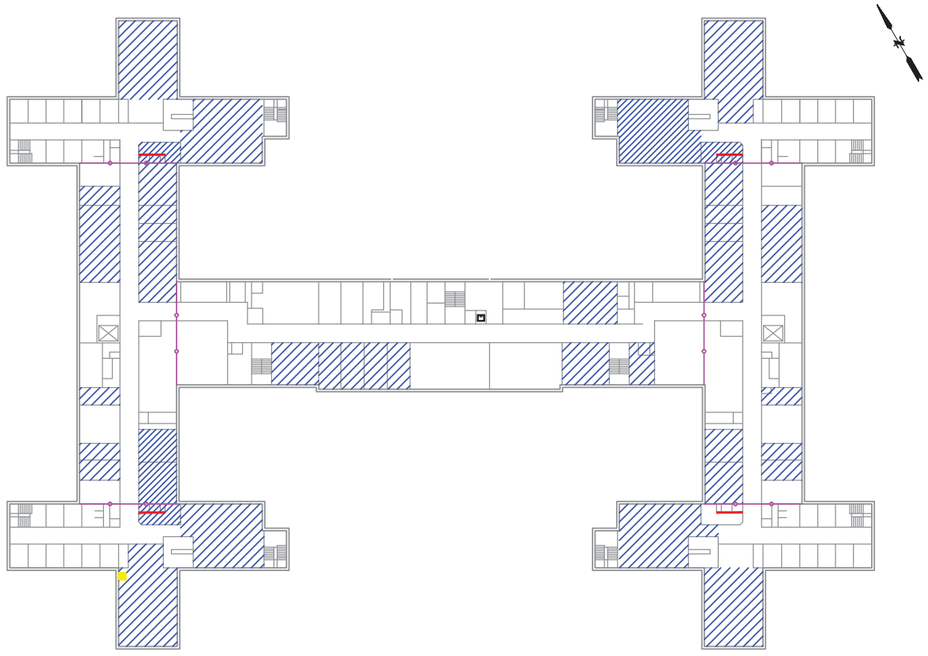
DATE: AUGUST 2015

FIG.1.1

LEGEND

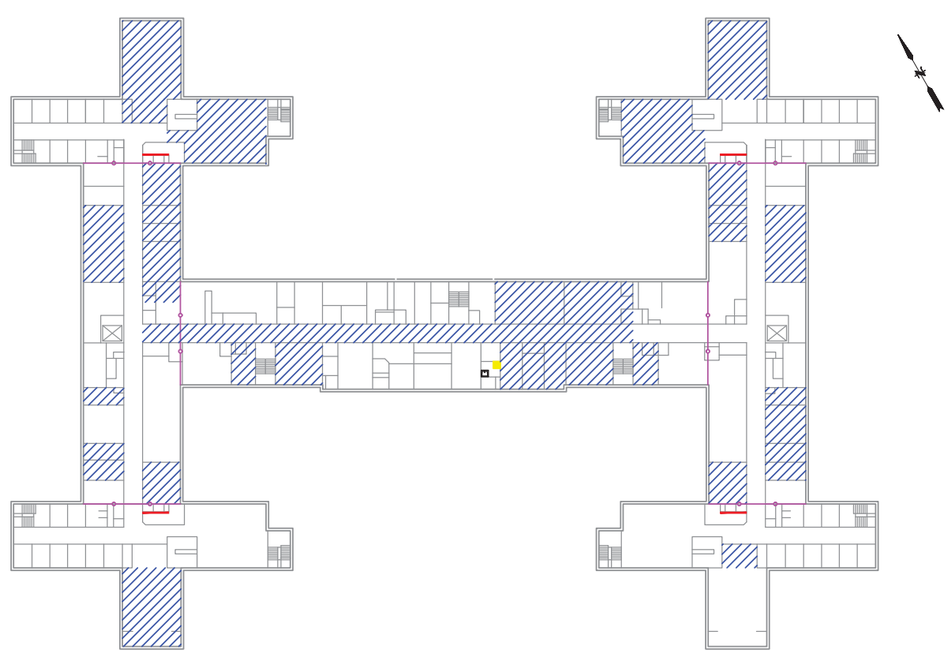
- FLOOR TILE & MASTIC
- BLACK BULLETIN BOARD GLUE
- TAN COLUMN CAULKING COMPOUNDS AT EXPANSION JOINT
- BLACK SINK UNDERCOATING
- DRINKING FOUNTAIN WITH BLACK TAR ON CONDENSER AND WHITE PUTTY/CAULKING ON ELECTRICAL WIRING



1 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
SECOND FLOOR – COCHRAN HOUSE
SCALE: N.T.S.

LEGEND

- FLOOR TILE & MASTIC
- BLACK BULLETIN BOARD GLUE
- TAN COLUMN CAULKING COMPOUNDS AT EXPANSION JOINT
- BLACK SINK UNDERCOATING
- DRINKING FOUNTAIN WITH BLACK TAR ON CONDENSER AND WHITE PUTTY/CAULKING ON ELECTRICAL WIRING



2 ASBESTOS CONTAINING MISCELLANEOUS MATERIALS LOCATION
THIRD FLOOR – COCHRAN HOUSE
SCALE: N.T.S.

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FIG.1.2

File Path: j:\DWG\P2014\1268\B1E\Environmental\Hazmat\20141268B1E_HAZ01_COCHRAN.dwg Layout: FIG1.2 Plotted: Tue, November 08, 2016 - 1:02 PM User: sirons
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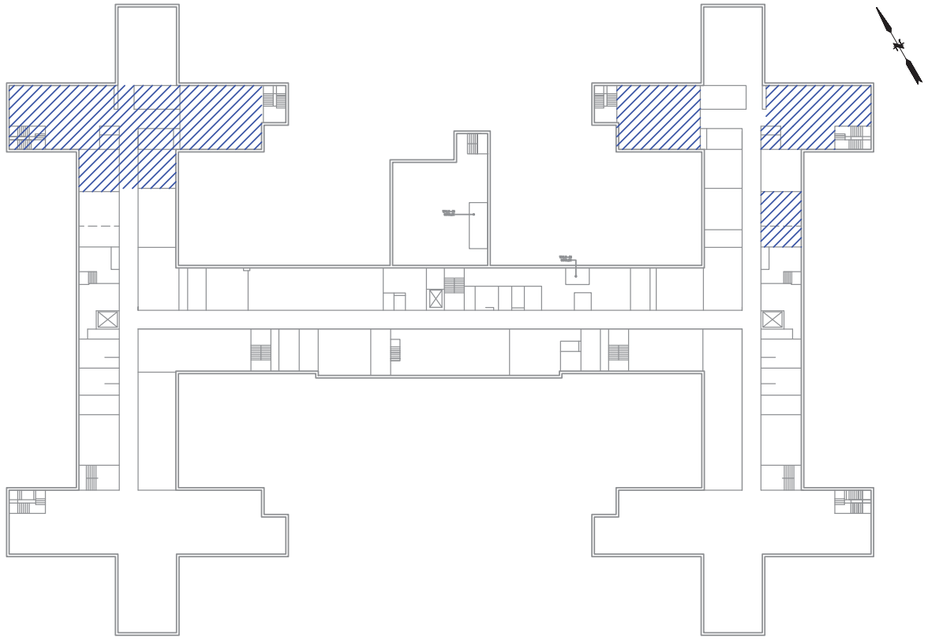
MS VIEW:

LEGEND

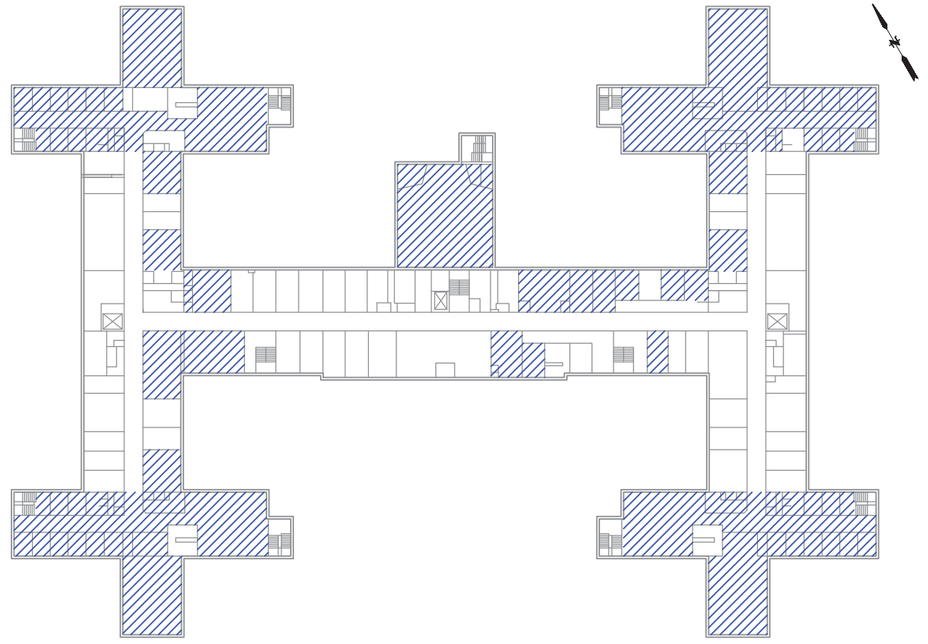
SOFT TEXTURED CEILING PLASTER



1 ASBESTOS CONTAINING SURFACING MATERIALS LOCATION
BASEMENT – COCHRAN HOUSE
SCALE: N.T.S.

LEGEND

SOFT TEXTURED CEILING PLASTER



2 ASBESTOS CONTAINING SURFACING MATERIALS LOCATION
FIRST FLOOR – COCHRAN HOUSE
SCALE: N.T.S.

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FIG.2.1

File Path: j:\DWG\P2014\12680\B1E\Environmental\Hazmat\20141268B1E_HAZ02_COCHRAN.dwg Layout: FIG.2.1 Plotted: Tue, November 08, 2016 - 1:03 PM User: sirons
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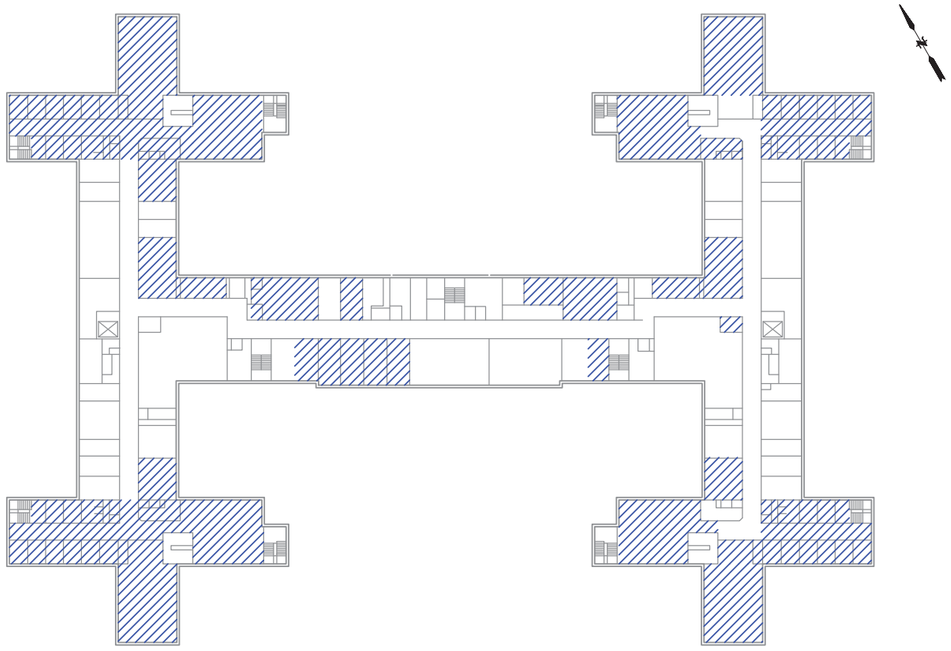
MS VIEW:

LEGEND

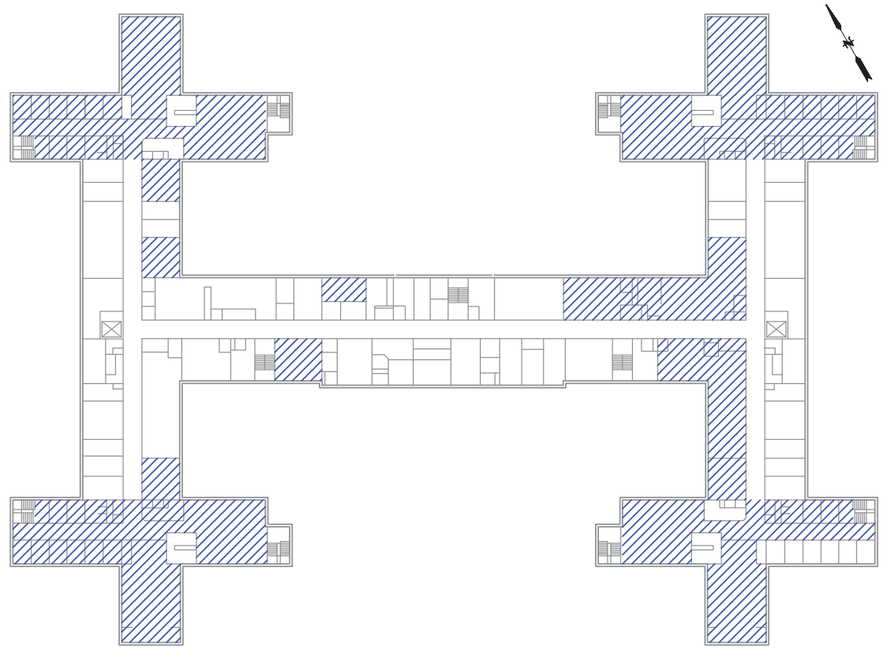
SOFT TEXTURED CEILING PLASTER



1 ASBESTOS CONTAINING SURFACING MATERIALS LOCATION
SECOND FLOOR – COCHRAN HOUSE
SCALE: N.T.S.

LEGEND

SOFT TEXTURED CEILING PLASTER



2 ASBESTOS CONTAINING SURFACING MATERIALS LOCATION
THIRD FLOOR – COCHRAN HOUSE
SCALE: N.T.S.

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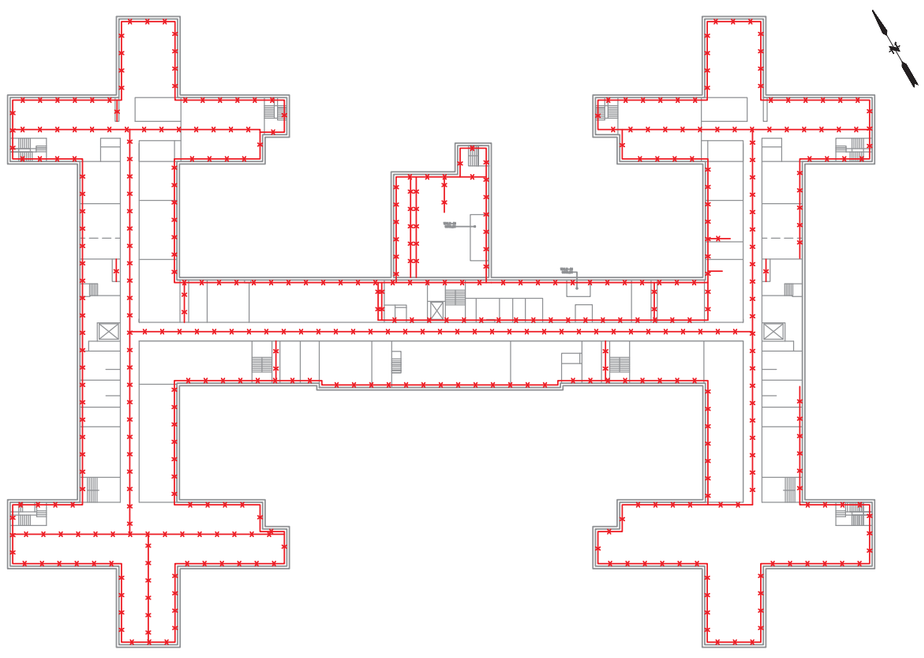
FIG.2.2

LEGEND

PIPE INSULATION AND MUDDED PIPE FITTING INSULATION

NOTE

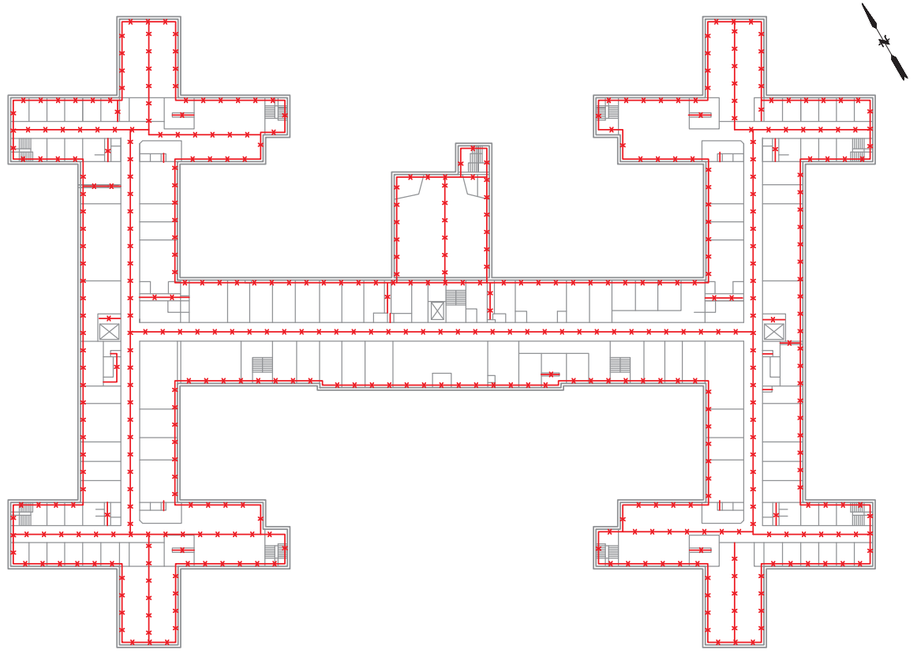
1. DAMAGED TSI DEBRIS EXISTS THROUGHOUT BASEMENT LEVEL.



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

LEGEND

PIPE INSULATION AND MUDDED PIPE FITTING INSULATION



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

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FIG.3.1

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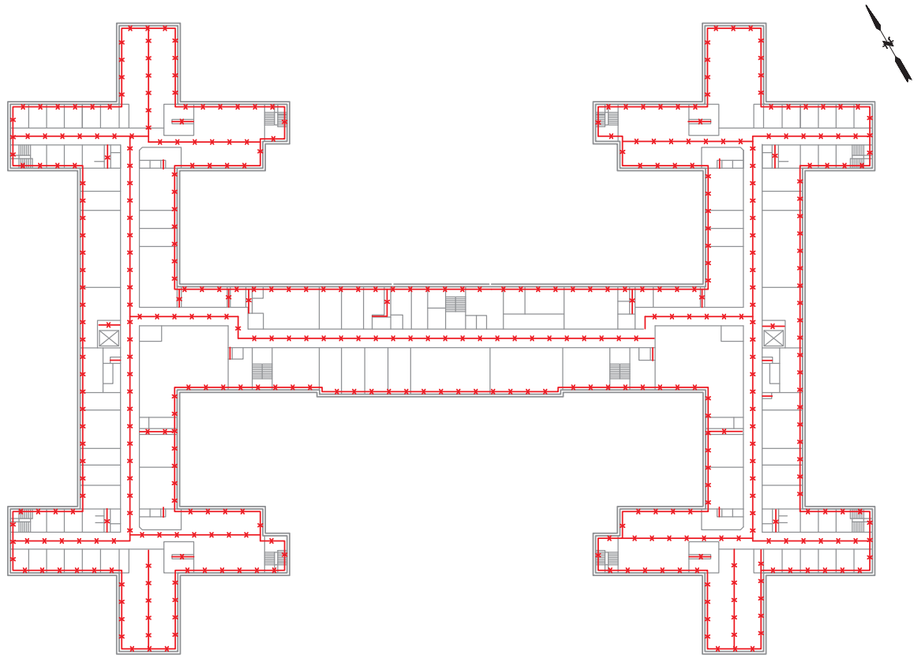
MS VIEW:

LEGEND

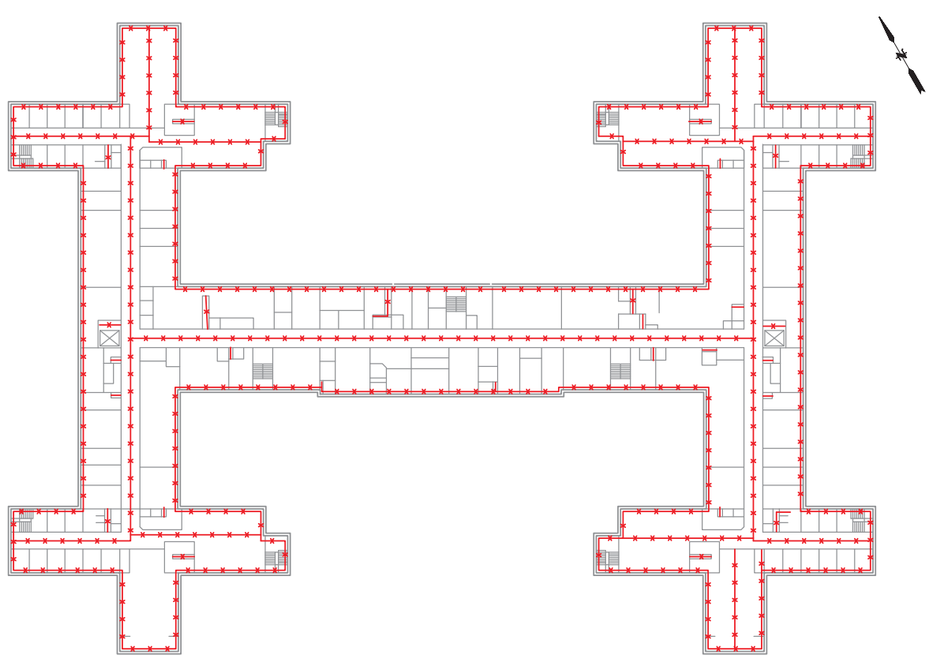
PIPE INSULATION AND MUDDED PIPE FITTING INSULATION



1 ASBESTOS CONTAINING THERMAL SYSTEM INSULATION MATERIALS LOCATION
SECOND FLOOR – COCHRAN HOUSE
SCALE: N.T.S.

LEGEND

PIPE INSULATION AND MUDDED PIPE FITTING INSULATION



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

NOTE:

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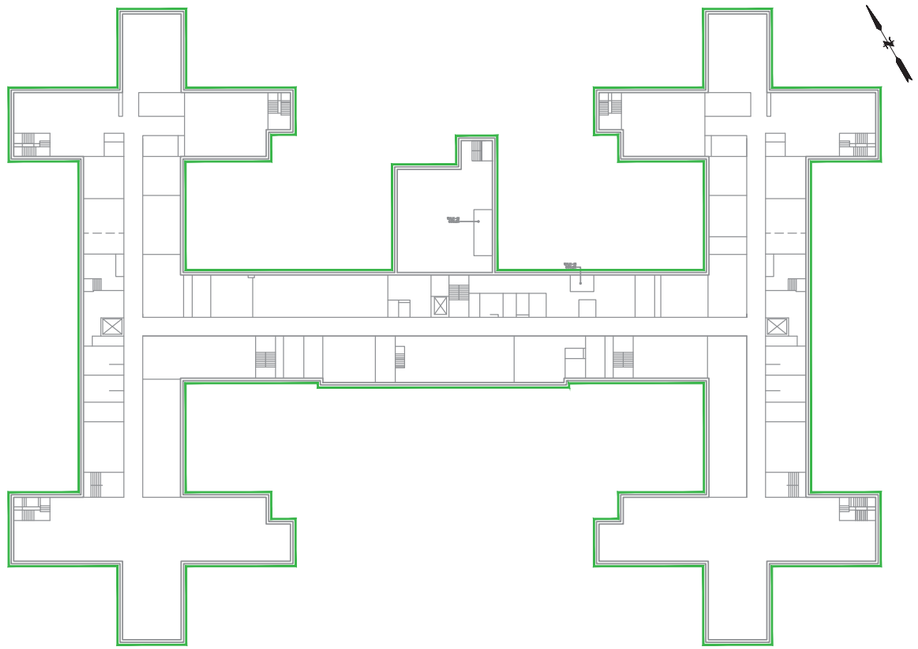
FIG.3.2

LEGEND

EXTERIOR WINDOW CAULKING AND GLAZING COMPOUNDS



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

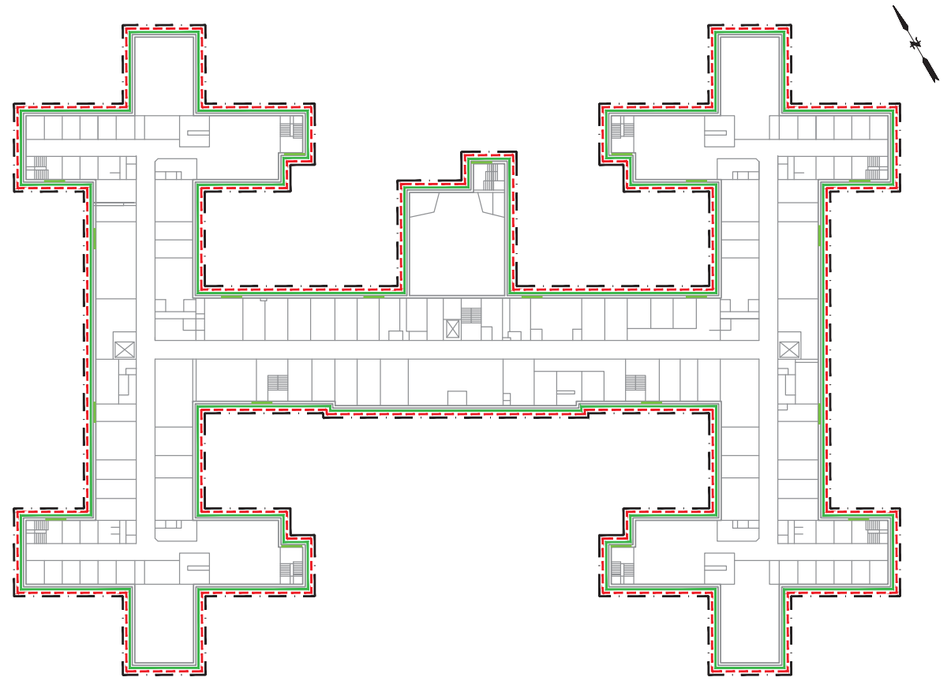
LEGEND

EXTERIOR WINDOW CAULKING AND GLAZING COMPOUNDS

BLACK TAR/PAPER UNDER CONCRETE WINDOW SILL

BLACK TAR/PAPER BETWEEN BRICK AND CONCRETE FOUNDATION

EXTERIOR GRAY DOOR CAULKING COMPOUNDS



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

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PROJ. No.: 20141268.B1E
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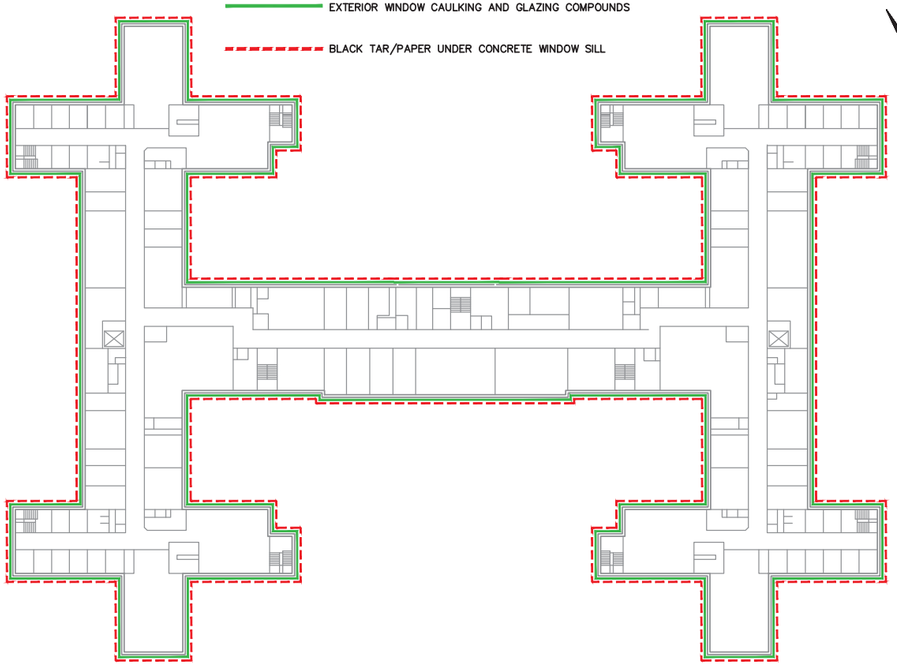
FIG.4.1

LEGEND

EXTERIOR WINDOW CAULKING AND GLAZING COMPOUNDS

BLACK TAR/PAPER UNDER CONCRETE WINDOW SILL

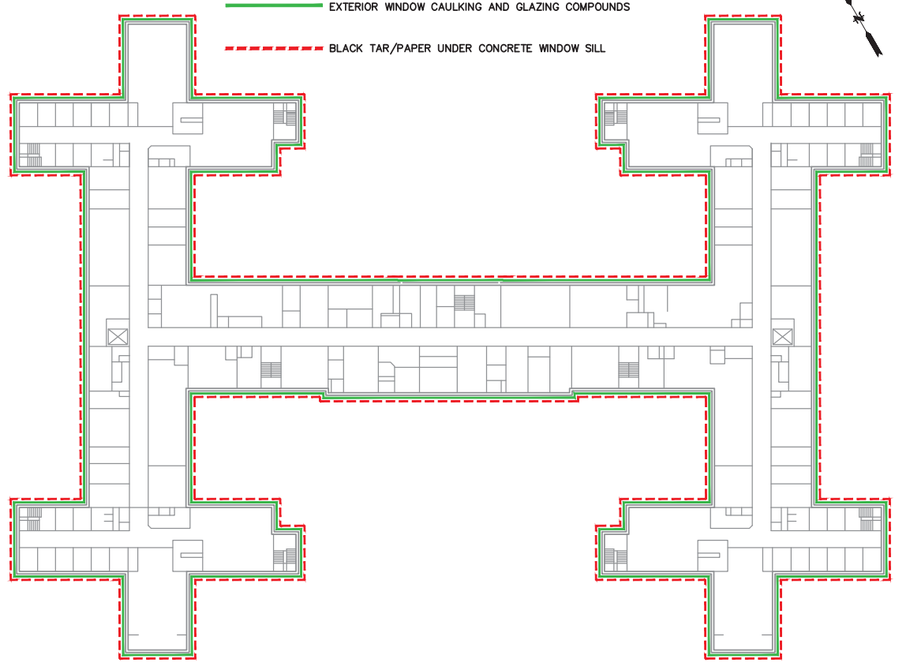


1 ASBESTOS CONTAINING EXTERIOR MATERIALS LOCATION
SECOND FLOOR – COCHRAN HOUSE
SCALE: N.T.S.

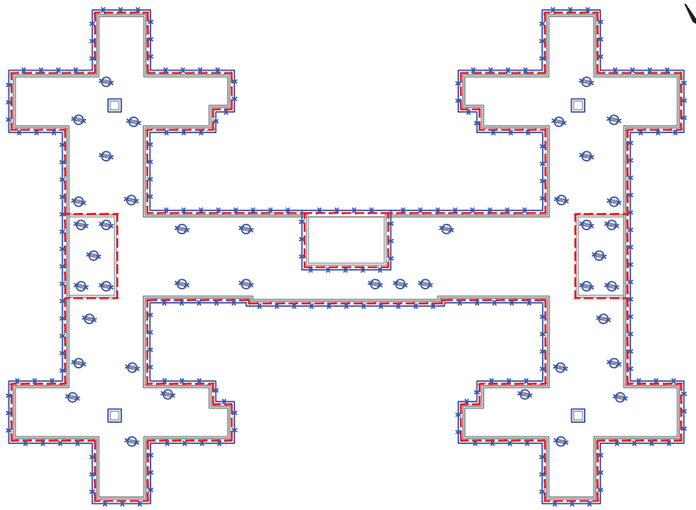
LEGEND

EXTERIOR WINDOW CAULKING AND GLAZING COMPOUNDS

BLACK TAR/PAPER UNDER CONCRETE WINDOW SILL



2 ASBESTOS CONTAINING EXTERIOR MATERIALS LOCATION
THIRD FLOOR – COCHRAN HOUSE
SCALE: N.T.S.



LEGEND

PERIMETER AND PENETRATION FLASHING

GRAY EXTERIOR COPING STONE SEAM CAULKING COMPOUNDS

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

NOTE:

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

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.				

SEAL

SEAL

SCALE:
HORZ.: N.T.S.
VERT.:
DATUM:
HORZ.:
VERT.:
1 0 1
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

TOWN OF NEWTOWN

ASBESTOS CONTAINING EXTERIOR MATERIALS LOCATION

FAIRFIELD HILLS - COCHRAN HOUSE

NEWTOWN CONNECTICUT

PROJ. No.: 20141268.B1E
DATE: AUGUST 2015

FIG.4.2

FUSS & O'NEILL
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Appendix E

Lead Paint Determination Field Data Sheets

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146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

XRF LEAD SCREENING FIELD DATA SHEET

Inspector Name: Bob Hobbins **Inspector License #:** 2156

Date: August 7, 2015 **XRF Model:** LPA-B **Serial :** 1377

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Address: Mile Hill Road S., Newtown, Connecticut **Project PM:** Kevin McCarthy

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

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	0800	1.1	1.1	0.8	1.0
Second Check	1200	1.1	1.2	1.1	1.13
Third Check	1400	1.1	0.8	1.2	1.03
Fourth Check					

Side	Surface/Component	Substrate	XRF Reading	Positive (V)	Comments/Notes
	See next page				
	for field data				

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 2nd **Room:** North East Wing **Page** 1 **of** 34

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.3		Ceramic					blue
	Baseboards								
A	Wall								
B	Wall	-0.2		Ceramic					blue
C	Wall	3.0	✓	Ceramic	N				trim
D	Wall								
	Chair rail								
	Ceiling	-0.1		P					Light
	Crown Molding								
	Door								
	Casing								
	Jamb								
	Door								
	Casing	-0.2		M					Grn
	Jamb	-0.1		M					"
	Window Trim								
	Sill	-0.1		M					Grn
	Sash	-0.1		M					Grn
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

* 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

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 3rd **Room:** South East Wing **Page** 2 **of** 34

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor baseboard	0.4	✓						Green Slate Tile
	Baseboards floor	-0.4		Ceramic					Brn
A	Wall	-0.2		P					White
B	Wall	-0.4		M					Red Brown Brick
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.0		P					White
	Crown Molding								
	Door								
	Casing	-0.1		M					Gray
	Jamb	-0.3		M					Brown
	Door	-0.3		M					Brown
	Casing	-0.0		M					"
	Jamb	-0.1		M					"
	Window Trim								
	Sill	-0.1		M					Brown
	Sash	-0.1		M					"
	Well	-0.3		M					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf	-0.1		W					White
	Shelf Supports	0.1		W					"
	Radiator	-0.2		M					Gray
	Wall Molding								

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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT
Floor: 3rd Floor **Room:** East wing Hallway
Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E
Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.2		Concrete					Brown
	Baseboards	74.9	✓	Cement					Black in bottom
A	Wall								
B	Wall	3.1	✓	Concrete					tan
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	0.1		P					white
	Crown Molding								
	Door	-0.2		M					brown
	Casing	-0.2		M					beige
	Jamb	0.1		M					Brown
	Door Elevator	-0.1							
	Casing								
	Jamb								
	Window Trim	0.1		M					tan
	Sill								
	Sash	-0.1		M					tan
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		M					tan
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT
Floor: 3rd **Room:** Center Hallway - East Wing **Page** 4 of 34
Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E
Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.2		Ceramic					6 Inch floor tile
	Baseboards	49.9	✓	Ceramic	N				Black - in Sloop sink closet
A	Wall	-0.0		Plaster					white
B	Wall								
C	Wall	2.9	✓	Ceramic	N	N	N	N	tan
D	Wall								
	Chair rail								
	Ceiling	-0.0		Plaster					white
	Crown Molding								
	Door								
	Casing	-0.1							tan
	Jamb	0.1							tan
	Door								
	Casing	0.1		metal					gray
	Jamb	-0.0		metal					gray
	Window Trim	0.2		Metal					beige
	Sill								
	Sash	-0.1		metal					beige
	Well								
	Cabinet Base	-0.2		M					
	Door Exterior								white - top of sink cabinet
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		metal					gray
	Wall Molding								
	Casing door	0.3		metal					window casing frame gray
	Baseboard	-0.2		Ceramic					gray
	Radiator	-0.1		metal					tan

* 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

Notes: -0.2 green tile base floor casing rail metal
-0.1 Elevator door metal tan

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 3rd **Room:** Center Hallway - Lobby Area **Page** 5 **of** 34

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.2		Ceramic					blue floor tile
	Baseboards								
A	Wall	2.3	✓	Ceramic					tan wall tile
B	Wall	-0.2		Ceramic					pink bathroom wall tile
C	Wall	-0.1		P					white
D	Wall	-0.2		Ceramic					orange
	Chair rail								
	Ceiling	-0.2		P					white
	Crown Molding								
	Door								
	Casing	-0.2		M					blue
	Jamb	-0.3		M					gray
	Door								
	Casing	-0.2							
	Jamb	4.7	✓	M	yes				beige
	Window Trim	-0.1		M					white
	Sill								
	Sash	-0.3		M					blue
	Well	-0.3		M					white
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		M					blue
	Wall Molding								
	chair rail	-0.1		M					pink

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT
Floor: 3rd **Room:** West Wing Hallway **Page** 6 **of** 34
Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E
Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall								
B	Wall	2.5	✓	Cement	N				tan wall tile
C	Wall	-0.0		P					white
D	Wall								
	Chair rail								
	Ceiling	-0.3		P					white
	Crown Molding								
	Door								
	Casing	-0.1		M					gray
	Jamb	-0.2		M					brown
	Door	-0.0		M					Brown
	Casing	-0.1		M					gray
	Jamb	-0.0		M					brown
	Window Trim	1.3		M					gray
	Sill								
	Sash	-0.4		M					gray
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.2		M					gray
	Wall Molding								

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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT
Floor: 3rd **Room:** North west Wing **Page** 7 **of** 34
Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E
Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.3		C					gray
	Baseboards								
A	Wall	0.2		P					yellow
B	Wall	-0.0		P					Green
C	Wall	2.5	✓	Ceramic	N				tan
D	Wall	0.1		P					Blue
	Chair rail								
	Ceiling	0.1		P					white
	Crown Molding								
	Door	-0.2		M					tan finished
	Casing	-0.2		M					Brown
	Jamb	-0.2		M					brown
	Door – window	-0.0		M					red
	Casing	-0.1		M					tan
	Jamb	-0.2		M					Red
	Window Trim	-0.1		M					Brown
	Sill	-0.2		M					"
	Sash	-0.2		M					"
	Well	-0.3		M					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves	-0.2		W					white
	Shelf Supports	-0.1		W					"
	Closet Shelf	-0.2		W					white
	Shelf Supports	-0.1		W					white
	Radiator								
	Wall Molding								
	Interior Trim	0.1		M					Brown
	" " Well	<0.1		M					"
	Central Air unit	-0.0		M					white

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 3rd **Room:** South West wing **Page** 8 **of** 34

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall								
B	Wall	-0.2		C					Bird
C	Wall								
D	Wall	3.1	✓	Ceramic	N				door
	Chair rail								
	Ceiling								
	Crown Molding								
	Door								
	Casing	-0.1		M					brown
	Jamb	0.1		M					blue
	Door #2	-0.2		M					door
	Casing	-0.0		M					grey
	Jamb	-0.0		M					white
	Window Trim								
	Sill	-0.0		M					Brown
	Sash	-0.1		M					"
	Well	-0.1		M					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

* 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

Notes: _____

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT
Floor: 2nd Floor **Room:** North East Wing **Page** 9 of 34
Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E
Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall	2.7	✓	Concrete					Tan
B	Wall	-0.4		P					White
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	0.1		P					White
	Crown Molding								
	Door	-0.1		M					Red - Fire Door
	Casing	-0.0		M					"
	Jamb								
	Door	-0.2		M					Blue
	Casing	-0.1		M					"
	Jamb	-0.0		M					"
	Window Trim	-0.1		M					Blue
	Sill								
	Sash	-0.1		M					Blue
	Wall	-0.3		M					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT
Floor: 2nd **Room:** South Gathering **Page** 10 **of** 34
Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E
Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.3		Conc					Little Scratch I/P
	Baseboards	79.9		Conc					Blank tile - Shp calc rem
A	Wall	-0.3		P					Sage
B	Wall								
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.3		P					White
	Crown Molding								
	Door	0.1		M					Brown
	Casing	-0.3		M					Blue
	Jamb								
	Door								
	Casing	-0.0		M					Blue
	Jamb	-0.1		M					"
	Window Trim								
	Sill	0.1		M					Blue
	Sash	-0.0		M					Brown
	Well	0.4		M					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator HVAC	-0.1		M					Blue
	Wall Molding								

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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT
Floor: 2nd **Room:** East wing Hallway **Page** 11 **of** 34
Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E
Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	0.0		C					Brown
	Baseboards								
A	Wall	3.2	✓	Gypsum					tan
B	Wall								
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.2		M					white tile
	Crown Molding								
	Door	-0.0		M					Blue
	Casing	0.1		M					"
	Jamb								
	Door								
	Casing	-0.1		M					Blue
	Jamb	0.3		M					"
	Window Trim	-0.1		M					Blue
	Sill								
	Sash	-0.3		M					Blue
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		M					Blue
	Wall Molding								

* 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

Notes: _____

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 2nd **Room:** Center Wing East

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.2		tile					green
	Baseboards	29.9	✓	tile					black - slate mix
A	Wall	3.1		tile					white ceiling tile
B	Wall	-0.4		C					white
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	0.2		tile					white ceiling tile
	Crown Molding								
	Door								
	Casing								
	Jamb								
	Door Frame	0.1		M					tan
	Casing	0.1		M					tan
	Jamb	-0.0		M					gray
	Window Trim	-0.1		M					Blue
	Sill								
	Sash	0.1		M					Blue
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf	-0.2		W					White
	Shelf Supports	-0.2		W					"
	Radiator	-0.1		M					tan
	Wall Molding								

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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT
Floor: 2nd **Room:** Center Hallway - West

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E
Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	0.0		M					gray
	Baseboards	-0.9	✓	M					Black
A	Wall								
B	Wall								
C	Wall	3.2	✓	Gyp	N				tan
D	Wall								
	Chair rail								
	Ceiling	-0.0		M					white
	Crown Molding								
	Door	0.1		M					gray
	Casing	-0.0		M					"
	Jamb	-0.1		M					"
	Door								
	Casing	-0.1		M					brown
	Jamb	-0.1		M					"
	Window Trim	0.1		M					gray
	Sill								
	Sash	-0.1		M					gray
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.0		M					gray
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 2nd **Room:** Lower Living Room **Page** 14 **of** 34

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall								
B	Wall								
C	Wall	12.0		P					S/rg
D	Wall	2.4	✓	Ceramic					tan
	Chair rail								
	Ceiling	0.4		P					Lt Blue
	Crown Molding								
	Door	-0.1		M					Brwn
	Casing	12.1		M					"
	Jamb	-0.2		M					"
	Door								
	Casing	0.3		M					Blue
	Jamb	12.0		M					Brwn
	Window Trim	-0.2		M					Blue
	Sill								
	Sash	-0.0		M					Blue
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		M					S/rg
	Wall Molding								

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 2nd **Room:** Northwest wing

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.4		brk					
	Baseboards	7.1	✓	mtl					Blk in shoe mold closet
A	Wall	2.8	✓	Blk					tan
B	Wall								
C	Wall								
D	Wall	-0.1		M					tan - wall divider
	Chair rail								
	Ceiling	-0.0		M					white - attic door
	Crown Molding								
	Door	-0.1		M					brn
	Casing	-0.1		M					brn
	Jamb	0.1		M					brn
	Door								
	Casing								
	Jamb								
	Window Trim	-0.1		M					Blue
	Sill	-0.1		M					Blu
	Sash	-0.2		M					Blu
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf	-0.2		W					VLR
	Shelf Supports	-0.1		W					"
	Radiator valve	-0.4		M					"
	Wall Molding								

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 2nd **Room:** Southwest Wing

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.3		tile					blue
	Baseboards	2.0	✓	tile					Black -56 w sink room
A	Wall								
B	Wall								
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	0-0		P					white
	Crown Molding								
	Door								
	Casing	0.0		m					tan
	Jamb	-0.1		m					"
	Door	-0.0		m					Brown
	Casing	0.1		m					tan
	Jamb	-0.1		m					white
	Window Trim								
	Sill	-0.0		m					Brown
	Sash	-0.2		m					"
	Well	-0.0		m					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator HVAC	0.0		m					Brown
	Wall Molding								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 1st Floor **Room:** North East Wing

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	7 9.9	✓	ceramic					black tile - perimeter closet
A	Wall	2.5	✓	ceramic					tile - tan
B	Wall	-0.3		M					brown - shower housing
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.3		P					white
	Crown Molding								
	Door	-0.3		M					pink
	Casing	-0.3		M					"
	Jamb	-0.1		M					"
	Door								
	Casing								
	Jamb								
	Window Trim	-0.0		M					pink
	Sill								
	Sash	-0.1		M					grey
	Well	-0.2		M					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: East Wing South 1st Flr **Room:** South east wing

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.1		tile					blue
	Baseboards								
A	Wall	2.1	✓	tile					blue wall tile ceramic
B	Wall								
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	0.2		P					white
	Crown Molding								
	Door	-6.7		m					pink
	Casing	0.1		m					"
	Jamb	0.3		m					"
	Door								
	Casing								
	Jamb								
	Window Trim	0.1		m					pink
	Sill								
	Sash	-0.2		m					blue
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 1st Floor **Room:** East Wing Hallway **Page** 19 **of** 34

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall	4.0	✓	Ceramic					tile - beige
B	Wall	-0.0		P					white
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.3		P					white
	Crown Molding								
	Door	-0.1		M					Elevator door - pink
	Casing								
	Jamb								
	Door								
	Casing	0.0		M					pink
	Jamb	0.1		M					pink
	Window Trim	-0.2		M					gray
	Sill								
	Sash	-0.0		M					gray
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.2		M					pink
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 1st Center - East Hallway Room: _____ Page 20 of 34

Project Name: Fairfield Hills Hospital – Cochran House Project Number: 20141268.B1E

Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.2		tile					grade change tile
	Baseboards	79.9	✓	tile					grade change wood
A	Wall								
B	Wall	0.2		stone					gray
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.3		P					white
	Crown Molding								
	Door	-0.1		M					gray
	Casing	0.0		M					"
	Jamb	0.1		M					"
	Door								
	Casing								
	Jamb								
	Window Trim	0.0		M					beige
	Sill								
	Sash	0.2		M					beige
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf	-0.1		W					white
	Shelf Supports	0.0		W					white
	Radiator	-0.1		M					beige
	Wall Molding								

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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Milc Hill Road S., Newtown, CT

Floor: 1st **Room:** Cedar West Wing **Page** 21 **of** 34

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.3		C					Blank
A	Wall	-0.2		P					White
B	Wall	3.3	✓	tile					trim
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	0.1		tile					white
	Crown Molding								
	Door								
	Casing								
	Jamb								
	Door								
	Casing	0.4		M					Brown
	Jamb	-0.0		M					Brown
	Window Trim	0.1		M					Orange
	Sill								
	Sash	-0.1		M					Antique Brown
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.2		M					Brown
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 1st **Room:** Westwing Hallway

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall								
B	Wall								
C	Wall	0.1		P					Blue
D	Wall								
	Chair rail								
	Ceiling	-0.2		S					White
	Crown Molding								
	Door	-0.0		M					Brown
	Casing	0.3		M					Blue
	Jamb	-0.1		M					Brown
	Door								
	Casing	0.4		M					Gray
	Jamb	-0.1		M					"
	Window Trim	0.1		M					Blue
	Sill								
	Sash	-0.1		M					Blue
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls	-0.1		W					Blue
	Shelves	-0.3		W					Blue
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		M					Gray
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 1st **Room:** West Southwest Living

Project Name: Fairfield Hills Hospital- Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.3		Me					Blue - Gatemen
	Baseboards								
A	Wall	3.4	✓	Me	N				tan
B	Wall	0-3		P					green
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.0		P					white
	Crown Molding								
	Door	-0.1		M					Brown
	Casing	0.1		M	M				Gray
	Jamb	0.1		M	Mon				Brown
	Door Basement Stairs	-0.0							
	Casing								
	Jamb								
	Window Trim	-0.1		M					Brown
	Sill	-0.1		M					"
	Sash	-0.1		M					"
	Well	-0.1		M					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	~~Radiator~~ Heat	0.3		M					top
	Wall Molding								

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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: 1st Room: Northwest wing Page 27 of 34

Project Name: Fairfield Hills Hospital – Cochran House Project Number: 20141268.B1E

Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall								
B	Wall	2.8		ceramic					tan tile
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.2		P					white
	Crown Molding								
	Door	-0.2		m					gray
	Casing	-0.1		m					"
	Jamb	-0.1		m					"
	Door								
	Casing								
	Jamb								
	Window Trim	-0.1		m					gray
	Sill								
	Sash	-0.0		m					gray
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		m					gray
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S, Newtown, CT

Floor: Basement **Room:** Main East Living **Page** 25 of 34

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall	-0.1		P					white
B	Wall	3.4	✓	ceramic					tan wall tile
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.1		P					white
	Crown Molding								
	Door	-0.1		M					Gray
	Casing	0.1		M					"
	Jamb								
	Door	0.1		M					Pink
	Casing	0.3		M					beige
	Jamb	0.4-0.1		M					"
	Window Trim	+0.3		M					beige
	Sill								
	Sash	-0.2		M					beige
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.2		M					beige
	Wall Molding								
	baseboard	-0.1		M					blue

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: Basement **Room:** South East Cnr.

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.3		PL					green ceramic tile
	Baseboards	79.9	✓						brick, mortar in room
A	Wall	-0.1		P					beige
B	Wall								
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.1		PL					white
	Crown Molding								
	Door	-0.0		M					brown - elsewhere
	Casing								
	Jamb								
	Door	-0.1			M				gray
	Casing	-0.0			M				"
	Jamb	0.0			M				"
	Window Trim	0.3			M				green
	Sill								
	Sash	-0.3			M				gray
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		M					gray
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: Basement **Room:** Center Hallway **Page** 27 **of** 34

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall	3.5	✓	ceramic					tan tile
B	Wall								
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.2		P					white
	Crown Molding								
	Door	0.1		M					slag
	Casing	-0.1		M					"
	Jamb	0.1		M					"
	Door	-0.1		M					not, first house door
	Casing								
	Jamb								
	Window Trim	-0.1		M					gray
	Sill								
	Sash	-0.1		M					gray
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

* 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

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: Basement **Room:** Northwest wing

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall	-0.1							
B	Wall								
C	Wall								
D	Wall	-0.1		C					w/ wire
	Chair rail								
	Ceiling	-0.1		P					w/ wire
	Crown Molding								
	Door	-0.1		M					g/dg
	Casing	0.4		M					"
	Jamb	0.1		M					"
	Door	-0.1		M					g/dg
	Casing	-0.0		M					"
	Jamb	-0.1		M					"
	Window Trim	-0.1		M					g/m
	Sill								gm
	Sash	-0.1		M					g/dg
	Well	-0.3		M					"
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.2		M					
	Wall Molding								

* 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

Notes: _____

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: Basement **Room:** South West Wing

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.1		tile					tan
	Baseboards	39.4	✓	tile					black in janitor's closet
A	Wall								
B	Wall								
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.1		tile					white
	Crown Molding								
	Door	-0.2		M					red, fire exit door
	Casing								
	Jamb								
	Door	0.1		M					gray
	Casing	-0.1		M					gray
	Jamb	-0.2		M					"
	Window Trim	-0.0		M					gray
	Sill								
	Sash	-0.1		M					gray
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		M					gray
	Wall Molding								

* 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

Notes:

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EnviroScience, LLC

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146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – INTERIOR ROOM

Address: Mile Hill Road S., Newtown, CT

Floor: Multiple Room: Stairwells

Project Name: Fairfield Hills Hospital – Cochran House Project Number: 20141268.B1E

Project Manager: Kevin McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor	-0.1		C					gray
	Baseboards	5.6	✓	wm					gray. Stair base board
A	Wall	2.3	✓	tile					fm
B	Wall window sash	0.0		m					gray
C	Wall								
D	Wall								
	Chair rail								
	Ceiling	-0.3		P					white
	Crown Molding								
	Door	0.0		m					gray
	Casing	1.1	✓	W					Brown-Waved casing
	Jamb								
	Door	-0.2		m					Sign
	Casing								
	Jamb	-0.1		m					Sign
	Window Trim	-0.2		m					gray
	Sill								
	Sash	-0.2		m					gray
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.1		metal					gray
	Wall Molding								
	Stair riser	5.1	✓	metal					blue
	Stair stringer	2.6	✓	m					blue
	Side								

* 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

Notes:

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(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – EXTERIOR OF SIDE A

Address: Mile Hill Road S., Newtown, CT

Project Name: Fairfield Hills Hospital – Cochran House

Project Number: 20141268.B1E

Project Manager: Kevin McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding								
	Upper Trim								
	Door	-0.1		M					6 mm
	Casing	-0.2		W					6 mm
	Jamb	1.5	✓	W					6 mm
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill								
	Trim								
	Sash	-0.0			M				Curly
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

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(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – EXTERIOR OF SIDE B

Address: Mile Hill Road S., Newtown, CT

Project Name: Fairfield Hills Hospital – Cochran House

Project Number: 20141268.B1E

Project Manager: Kevin McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding								
	Upper Trim								
	Door	-0.1		M					brown
	Casing	0.0		M					brown
	Jamb door	-0.1		W					brown
	~~Threshold~~ Casing	-0.0		W					brown
	Kick Board								
	Storm Door								
	Window Sill								
	Trim								
	Sash	0.0		M					white
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

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www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – EXTERIOR OF SIDE C

Address: Mile Hill Road S., Newtown, CT **Page** 33 **of** 34

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding								
	Upper Trim								
	Door	-0.7		W					brown
	Casing								
	Jamb								
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill								
	Trim								
	Sash	-0.3		M					w white
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns	-0.4		M					brick
	Column Base								
	Brackets								
	Hand Rails	-0.2		M					brick
	Treads								
	Risers								
	Stringers								

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

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(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – EXTERIOR OF SIDE 10

Address: Mile Hill Road S, Newtown, CT **Page** 34 of 34

Project Name: Fairfield Hills Hospital – Cochran House **Project Number:** 20141268.B1E

Project Manager: Kevin McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding								
	Upper Trim								
	Door	-0.1		M					5 rows
	Casing	0.1		M					4
	Jamb								
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill								
	Trim								
	Sash	-0.1		M					white
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails	-0.1		M					black
	Treads								
	Risers								
	Stringers								

FUSS & O'NEILL
EnviroScience, LLC

Appendix F

Lead TCLP Laboratory Analytical Report and Chain-Of-Custody Form

PHOENIX
Environmental Laboratories, Inc.

Tuesday, August 25, 2015

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

Project ID: FAIRFIELD HILLS COCHRAN HOUSE
Sample ID#s: BJ79091 - BJ79093

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

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

Analysis Report

August 25, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	BH	08/20/15	14:00
Location Code:	F&OENVIR	Received by:	LK	08/21/15	15:18
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20141268.B1E				

Laboratory Data

SDG ID: GBJ79091
Phoenix ID: BJ79091

Project ID: FAIRFIELD HILLS COCHRAN HOUSE
Client ID: 20150820BH-ACBM-01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	08/24/15	LK	SW6010C
TCLP Metals Digestion	Completed				08/23/15	I/I	SW3005A
TCLP Extraction for Metals	Completed				08/21/15	I	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
August 25, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

August 25, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	BH	08/20/15	14:00
Location Code:	F&OENVIR	Received by:	LK	08/21/15	15:18
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20141268.B1E				

Laboratory Data

SDG ID: GBJ79091
Phoenix ID: BJ79092

Project ID: FAIRFIELD HILLS COCHRAN HOUSE
Client ID: 20150820BH-MB-01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	08/24/15	LK	SW6010C
TCLP Metals Digestion	Completed				08/23/15	I/I	SW3005A
TCLP Extraction for Metals	Completed				08/21/15	I	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.
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Phyllis Shiller, Laboratory Director
August 25, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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

Analysis Report

August 25, 2015

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	BH	08/20/15	14:00
Location Code:	F&OENVIR	Received by:	LK	08/21/15	15:18
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20141268.B1E				

Laboratory Data

SDG ID: GBJ79091
Phoenix ID: BJ79093

Project ID: FAIRFIELD HILLS COCHRAN HOUSE
Client ID: 20150820BH-ROOF/WINDOWS -01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	08/24/15	LK	SW6010C
TCLP Metals Digestion	Completed				08/23/15	I/I	SW3005A
TCLP Extraction for Metals	Completed				08/21/15	I	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.

Phyllis Shiller, Laboratory Director
August 25, 2015
Reviewed and Released by: Ethan Lee, Project Manager

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

QA/QC Report

August 25, 2015

QA/QC Data

SDG I.D.: GBJ79091

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 317944 (mg/L), QC Sample No: BJ78114 (BJ79091, BJ79092)													
ICP Metals - TCLP Extraction													
Lead	BRL	0.010	0.195	0.191	2.10	90.4	90.1	0.3	89.2	88.5	0.8	75 - 125	20
QA/QC Batch 318105 (mg/L), QC Sample No: BJ78831 (BJ79093)													
ICP Metals - TCLP Extraction													
Lead	BRL	0.010	<0.010	<0.010	NC	95.2	95.5	0.3	93.0	95.0	2.1	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
August 25, 2015

Sample Criteria Exceedences Report

GBJ79091 - FOENVIR

Criteria: None

State: CT

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

*** No Data to Display ***

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

Project Location: FAIRFIELD HILLS COCHRAN HO **Project Number:**

Laboratory Sample ID(s): BJ79091, BJ79092, BJ79093

Sampling Date(s): 8/20/2015

RCP Methods Used:

☑ 1311/1312	☑ 6010	☐ 7000	☐ 7196	☐ 7470/7471	☐ 8081	☐ EPH	☐ TO15
☐ 8082	☐ 8151	☐ 8260	☐ 8270	☐ ETPH	☐ 9010/9012	☐ VPH	

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.	EPH and VPH methods only: 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 Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b.	Were these reporting limits met?	☐ Yes ☐ No ☑ NA
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 ☐ NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	☐ Yes ☑ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #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".

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

Authorized Signature: Ethan Lee

Date: Tuesday, August 25, 2015

Printed Name: Ethan Lee

Position: Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 25, 2015

SDG I.D.: GBJ79091

BJ79091, BJ79092, BJ79093 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Arcos 08/24/15-1 (BJ79091, BJ79092, BJ79093)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Laura Kinnin
Position: Chemist
Date: 8/24/2015

QC (Batch Specific)

---------- Sample No: BJ78114, QA/QC Batch: 317944 ----------

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

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

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

---------- Sample No: BJ78831, QA/QC Batch: 318105 ----------

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

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

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 25, 2015

SDG I.D.: GBJ79091

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(860) 646-2469 • www.FandO.com

☐ 146 Hartford Road, Manchester, CT 06040
☑ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY
☐ Other _____

10 of 16

CHAIN-OF-CUSTODY RECORD 27674

☐ 24-Hour* ☐ 72-Hour* ☐ Other _____ (days)
☑ 48-Hour* ☐ Standard (____ days) *Surcharge Applies

Project Name	Project Location	Project Number	Laboratory
Fairfield Hills-Cochran House	Mile Hill Rds., Newtown	20141268.BIE	Phoenix

Report To: K. McCarthy / K. Readfield
Invoice To: S. Owens
P.O. No.: 20141268.BIE
Sampler's Signature: F. Hobbie Date: 8-21-15

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility S=Soil B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air C=Concrete
X=Other TCLP (lead)

Analysis Request / Containers

Item No.	Transfer Check 1 2 3 4	Sample Number	Source Code	Date Sampled	Time Sampled	TCLP (lead)	Soil VOA Vial, ☐ methanol ☐ $NaHSO_4$	Soil VOA Vial, ☐ water ☐ $Na_2S_2O_3$	Glass Soil Container (8) oz	Other:	Other:	Water VOA Vial, ☐ As is ☐ HCl	Glass Amber (___) ml, ☐ As is ☐ H_2SO_4	Plastic - As is, ☐ 250 ml ☐ 500 ☐ 1000 ml	Plastic - H_2SO_4, ☐ 250 ml ☐ 500 ml	Plastic - HNO_3, 250 ml ☐ Filtered ☐ 0.45µ ☐ 10µ	Plastic - NaOH, 250 ml	Comments
1	✓	20150820BH ACBM-01	X	8-20	1400	✓			1									79091
2	✓	BM-01	↓	↓	↓	✓			1									79092
3	✓	Roof/Windows-01	↓	↓	↓	✓			1									79093

Transfer Number	Relinquished By	Accepted By	Date	Time
1	B.H.	FtoF	8-21	1100
2	FtoF	B.H.	8-21	1340
3	TS H.	[signature]	20150821	13:40
4	[signature]	[signature]	8/21/15	15:18

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other _____
___ Duplicates ___ Blanks (Item Nos:)
Reporting and Detection Limit Requirements: ☐ RCP Deliverables ☐ MCP CAM Cert.
Additional Comments:

FUSS & O'NEILL
EnviroScience, LLC

Appendix G

PCB Laboratory Analytical Report and Chain-of-Custody Form

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 8, 2015

Kevin McCarthy
Fuss & O'Neill - Trumbull
56 Quarry Road
Trumbull, CT 06611

Project Location: Fairfield Hills-Cochran House
Client Job Number:
Project Number: 20141268.B1E
Laboratory Work Order Number: 15L0187

Enclosed are results of analyses for samples received by the laboratory on December 3, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Worthington

Lisa A. Worthington
Project Manager

Table of Contents

CON-TEST ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Fuss & O'Neill - Trumbull
56 Quarry Road
Trumbull, CT 06611
ATTN: Kevin McCarthy

REPORT DATE: 12/8/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 20141268.B1E

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15L0187

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Fairfield Hills-Cochran House

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1201BH-EWC-01A	15L0187-01	Caulk	ext window systems- gray caulking	SW-846 8082A	
1201BH-EWC-01B	15L0187-02	Caulk	ext window systems- gray caulking	SW-846 8082A	
1201BH-EWC-01C	15L0187-03	Caulk	ext window systems- gray caulking	SW-846 8082A	
1201BH-EWG-01A	15L0187-04	Caulk	ext window systems- gray glazing	SW-846 8082A	
1201BH-EWG-01B	15L0187-05	Caulk	ext window systems- gray glazing	SW-846 8082A	
1201BH-EWG-01C	15L0187-06	Caulk	ext window systems- gray glazing	SW-846 8082A	
1201BH-EDC-01A	15L0187-07	Caulk	ext wood door systems- gray caulking	SW-846 8082A	
1201BH-EDC-01B	15L0187-08	Caulk	ext wood door systems- gray caulking	SW-846 8082A	
1201BH-EDC-01C	15L0187-09	Caulk	ext wood door systems- gray caulking	SW-846 8082A	
1201BH-CSC-01A	15L0187-10	Caulk	coping stone at ext roof systems- gray caulking	SW-846 8082A	
1201BH-CSC-01B	15L0187-11	Caulk	coping stone at ext roof systems- gray caulking	SW-846 8082A	
1201BH-CSC-01C	15L0187-12	Caulk	coping stone at ext roof systems- gray caulking	SW-846 8082A	

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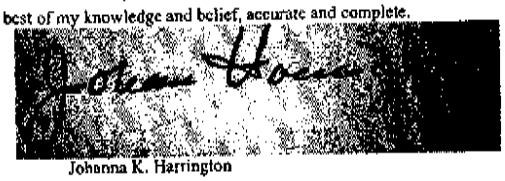
CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Johanna K. Harrington
Manager, Laboratory Reporting

ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Fairfield Hills-Cochran House | Sample Description: ext window systems- gray caulking | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01A | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-01

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1221 [2]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1232 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1242 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1248 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1254 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1260 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1262 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL
Aroclor-1268 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 9:47	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
Decachlorobiphenyl [1]	76.5	30-150				12/8/15 9:47
Decachlorobiphenyl [2]	76.7	30-150				12/8/15 9:47
Tetrachloro-m-xylene [1]	88.6	30-150				12/8/15 9:47
Tetrachloro-m-xylene [2]	84.3	30-150				12/8/15 9:47

ANALYTICAL LABORATORY

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Project Location: Fairfield Hills-Cochran House | Sample Description: ext window systems- gray caulking | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01B | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-02

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1221 [2]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:00	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	92.3	30-150					12/8/15 10:00
Decachlorobiphenyl [2]	93.0	30-150					12/8/15 10:00
Tetrachloro-m-xylene [1]	96.8	30-150					12/8/15 10:00
Tetrachloro-m-xylene [2]	92.7	30-150					12/8/15 10:00

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Project Location: Fairfield Hills-Cochrun House | Sample Description: ext window systems- gray caulking | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWC-01C | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1221 [2]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		12/8/15 10:18
Decachlorobiphenyl [2]	81.4	30-150		12/8/15 10:18
Tetrachloro-m-xylene [1]	83.9	30-150		12/8/15 10:18
Tetrachloro-m-xylene [2]	79.7	30-150		12/8/15 10:18

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Project Location: Fairfield Hills-Cochran House | Sample Description: ext window systems- gray glazing | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01A | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1221 [2]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.9	30-150		12/8/15 10:36
Decachlorobiphenyl [2]	85.7	30-150		12/8/15 10:36
Tetrachloro-m-xylene [1]	94.5	30-150		12/8/15 10:36
Tetrachloro-m-xylene [2]	91.0	30-150		12/8/15 10:36

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Project Location: Fairfield Hills-Cochran House | Sample Description: ext window systems- gray glazing | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01B | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1221 [2]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 10:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	112	30-150				12/8/15 10:54	
Decachlorobiphenyl [2]	112	30-150				12/8/15 10:54	
Tetrachloro-m-xylene [1]	108	30-150				12/8/15 10:54	
Tetrachloro-m-xylene [2]	104	30-150				12/8/15 10:54	

ANALYTICAL LABORATORY

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Project Location: Fairfield Hills-Cochran House | Sample Description: ext window systems- gray glazing | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EWG-01C | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-06

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1221 [2]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/8/15 11:12
Decachlorobiphenyl [2]	107	30-150		12/8/15 11:12
Tetrachloro-m-xylene [1]	105	30-150		12/8/15 11:12
Tetrachloro-m-xylene [2]	101	30-150		12/8/15 11:12

ANALYTICAL LABORATORY
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Project Location: Fairfield Hills-Cochran House | Sample Description: ext wood door systems- gray caulking | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EDC-01A | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-07

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1221 [2]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 11:30	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.3	30-150		12/8/15 11:30
Decachlorobiphenyl [2]	83.5	30-150		12/8/15 11:30
Tetrachloro-m-xylene [1]	83.3	30-150		12/8/15 11:30
Tetrachloro-m-xylene [2]	79.8	30-150		12/8/15 11:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Fairfield Hills-Cochran flouse Sample Description: ext wood door systems- gray caulking Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EDC-01B Sampled: 12/2/2015 00:00

Sample ID: 15L0187-08

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1221 [2]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.9	30-150		12/8/15 12:06
Decachlorobiphenyl [2]	53.3	30-150		12/8/15 12:06
Tetrachloro-m-xylene [1]	43.8	30-150		12/8/15 12:06
Tetrachloro-m-xylene [2]	41.8	30-150		12/8/15 12:06

con-test ANALYTICAL LABORATORY
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Project Location: Fairfield Hills-Cochran House Sample Description: ext wood door systems- gray caulking Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-EDC-01C Sampled: 12/2/2015 00:00

Sample ID: 15L0187-09

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1221 [2]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:24	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
Decachlorobiphenyl [1]	102	30-150				12/8/15 12:24
Decachlorobiphenyl [2]	103	30-150				12/8/15 12:24
Tetrachloro-m-xylene [1]	100	30-150				12/8/15 12:24
Tetrachloro-m-xylene [2]	96.9	30-150				12/8/15 12:24

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Project Location: Fairfield Hills-Cochran House | Sample Description: coping stone at ext roof systems- gray | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-CSC-01A | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-10

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1221 [2]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 12:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.7	30-150		12/8/15 12:42
Decachlorobiphenyl [2]	91.8	30-150		12/8/15 12:42
Tetrachloro-m-xylene [1]	91.7	30-150		12/8/15 12:42
Tetrachloro-m-xylene [2]	88.6	30-150		12/8/15 12:42

CON-TEST ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Fairfield Hills-Cochran House | Sample Description: coping stone at ext roof systems- gray - | Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-CSC-01B | Sampled: 12/2/2015 00:00

Sample ID: 15L0187-11

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1221 [2]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:00	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.8	30-150		12/8/15 13:00
Decachlorobiphenyl [2]	93.0	30-150		12/8/15 13:00
Tetrachloro-m-xylene [1]	93.5	30-150		12/8/15 13:00
Tetrachloro-m-xylene [2]	90.4	30-150		12/8/15 13:00

ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Fairfield Hills-Cochran House Sample Description: coping stone at ext roof systems- gray - Work Order: 15L0187

Date Received: 12/3/2015

Field Sample #: 1201BH-CSC-01C Sampled: 12/2/2015 00:00

Sample ID: 15L0187-12

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1221 [2]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1232 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1242 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1248 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1254 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1260 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1262 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL
Aroclor-1268 [1]	ND	0.77	mg/Kg	4		SW-846 8082A	12/3/15	12/8/15 13:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.9	30-150		12/8/15 13:18
Decachlorobiphenyl [2]	98.4	30-150		12/8/15 13:18
Tetrachloro-m-xylene [1]	97.2	30-150		12/8/15 13:18
Tetrachloro-m-xylene [2]	94.0	30-150		12/8/15 13:18

ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15L0187-01 [1201BH-EWC-01A]	B136824	0.577	10.0	12/03/15
15L0187-02 [1201BH-EWC-01B]	B136824	0.527	10.0	12/03/15
15L0187-03 [1201BH-EWC-01C]	B136824	0.592	10.0	12/03/15
15L0187-04 [1201BH-EWG-01A]	B136824	0.524	10.0	12/03/15
15L0187-05 [1201BH-EWG-01B]	B136824	0.544	10.0	12/03/15
15L0187-06 [1201BH-EWG-01C]	B136824	0.586	10.0	12/03/15
15L0187-07 [1201BH-EDC-01A]	B136824	0.500	10.0	12/03/15
15L0187-08 [1201BH-EDC-01B]	B136824	0.517	10.0	12/03/15
15L0187-09 [1201BH-EDC-01C]	B136824	0.516	10.0	12/03/15
15L0187-10 [1201BH-CSC-01A]	B136824	0.584	10.0	12/03/15
15L0187-11 [1201BH-CSC-01B]	B136824	0.507	10.0	12/03/15
15L0187-12 [1201BH-CSC-01C]	B136824	0.522	10.0	12/03/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B136824 - SW-846 3540C										
Blank (B136824-BLK1)				Prepared: 12/03/15 Analyzed: 12/08/15						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.00*		mg/Kg	4.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.96*		mg/Kg	4.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*3.85*		mg/Kg	4.00		96.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.77*		mg/Kg	4.00		94.3	30-150			
LCS (B136824-BS1)				Prepared: 12/03/15 Analyzed: 12/08/15						
Aroclor-1016	3.8	0.20	mg/Kg	4.00		94.1	40-140			
Aroclor-1016 [2C]	3.6	0.20	mg/Kg	4.00		90.0	40-140			
Aroclor-1260	3.7	0.20	mg/Kg	4.00		92.6	40-140			
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		93.0	40-140			
Surrogate: Decachlorobiphenyl	*3.90*		mg/Kg	4.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.88*		mg/Kg	4.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	*3.81*		mg/Kg	4.00		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.69*		mg/Kg	4.00		92.3	30-150			
LCS Dup (B136824-BSD1)				Prepared: 12/03/15 Analyzed: 12/08/15						
Aroclor-1016	3.5	0.20	mg/Kg	4.00		88.0	40-140	6.75	30	
Aroclor-1016 [2C]	3.4	0.20	mg/Kg	4.00		85.3	40-140	5.44	30	
Aroclor-1260	3.4	0.20	mg/Kg	4.00		84.4	40-140	9.29	30	
Aroclor-1260 [2C]	3.4	0.20	mg/Kg	4.00		84.3	40-140	9.77	30	
Surrogate: Decachlorobiphenyl	*3.54*		mg/Kg	4.00		88.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.51*		mg/Kg	4.00		87.7	30-150			
Surrogate: Tetrachloro-m-xylene	*3.57*		mg/Kg	4.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.49*		mg/Kg	4.00		87.3	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B136824-BS1 Date(s) Analyzed: 12/08/2015 12/08/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.8	
	2	0.00	0.00	0.00	3.6	5
Aroclor-1260	1	0.00	0.00	0.00	3.7	
	2	0.00	0.00	0.00	3.7	0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B136824-BSD1 Date(s) Analyzed: 12/08/2015 12/08/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	3.5	
	2	0.00	0.00	0.00	3.4	3
Aroclor-1260	1	0.00	0.00	0.00	3.4	
	2	0.00	0.00	0.00	3.4	1

ANALYTICAL LABORATORY

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

CON-TEST ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

FUSS & O'NEILL
EnviroScience, LLC
56 Quarry Road, Trumbull, CT 06611

15L0187

www.fando.com
(203) 374-3748 Fax (203) 374-4391

PCB Bulk Sample Chain of Custody Form

Project Name: Fairfield Hills – Cochran House Project Number: 20141268.B1E Date: December 2, 2015

Site Address: Mile Hill Rd S., Newtown, CT Building Name: Cochran House Project Manager: Kevin McCarthy

	Sample ID	Sample Location	Material	Substrate(s)
01	1201BH-EWC-01A	Exterior Window Systems	Gray Exterior Window Caulking	Brick
02	1201BH-EWC-01B	Exterior Window Systems	Gray Exterior Window Caulking	Brick
03	1201BH-EWC-01C	Exterior Window Systems	Gray Exterior Window Caulking	Brick
04	1201BH-EWG-01A	Exterior Window Systems	Gray Exterior Window Glazing	Metal
05	1201BH-EWG-01B	Exterior Window Systems	Gray Exterior Window Glazing	Metal
06	1201BH-EWG-01C	Exterior Window Systems	Gray Exterior Window Glazing	Metal
07	1201BH-EDC-01A	Exterior Wood Door Systems	Gray Exterior Door Caulking	Brick
08	1201BH-EDC-01B	Exterior Wood Door Systems	Gray Exterior Door Caulking	Brick
09	1201BH-EDC-01C	Exterior Wood Door Systems	Gray Exterior Door Caulking	Brick
10	1201BH-CSC-01A	Coping Stone at Exterior Roof Systems	Gray Coping Stone Seam Caulking	Concrete

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Con-Test Turnaround Time: 5 Day

Fax Results to the EnviroScience Laboratory at: 888-838-1160. E-Mail PDF of Results to kmccarthy@fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: B. Hobbins BH **Contact Info:** jhobbins@fando.com **Date:** 12-01-15 **Time:**

Relinquished [By] [To] [BH] [F to Fridge] **Date:** 12-2-15 **Time:** 1600

Relinquished [By] [To] [F to F] [SBlum] **Date:** 12-3-15 **Time:**

Relinquished [By] [To] [SBlum] [R Sean] **Date:** 12-3-15 **Time:** 12 20

Relinquished [By] [To] [R Sean] [Relinquished 24°] **Date:** 12-3-15 **Time:** 16:40

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56 Quarry Road, Trumbull, CT 06611

15L0187

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

PCB Bulk Sample Chain of Custody Form

Project Name: Fairfield Hills – Plymouth Hall Project Number: 20141268.A9E Date: December 2, 2015

Site Address: Simpson Street, Newtown, CT Building Name: Plymouth Hall Project Manager: Kevin McCarthy

Sample ID	Sample Location	Material	Substrate(s)
1201BH-CSC-01B	Coping Stone at Exterior Roof Systems	Gray Coping Stone Seam Caulking	Concrete
1201BH-CSC-01C	Coping Stone at Exterior Roof Systems	Gray Coping Stone Seam Caulking	Concrete

11
12

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Con-Test Turnaround Time: 5 Day

Fax Results to the EnviroScience Laboratory at: 888-838-1160. E-Mail PDF of Results to kmccarthy@fando.com.

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: B. Hobbins BH **Contact Info:** jhobbins@fando.com **Date:** 12-01-15 **Time:**

Relinquished [By][To] [BH][FIO Fridge] **Date:** 12-2-15 **Time:**

Relinquished [By][To] [FIO F][JBlw] **Date:** 12-3-15 **Time:**

Relinquished [By][To] [JBlw][R Sean] **Date:** 12-3-15 **Time:** 12:20

Relinquished [By][To] [R Sean][Fedex 24] **Date:** 12-3-15 **Time:** 16:40

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39 Spruce St.
East Longmeadow, MA 01028
P: 413-525-2332
F: 413-525-6405
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con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Fuss & O'Neill RECEIVED BY: RLF DATE: 12/3/15

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.4°C.

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any (RUSH) or SHORT HOLDING TIME samples? (Yes) No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: /

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No (N/A) _____

9) Do all samples have the proper Base pH: Yes No (N/A) _____

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	12
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Beg / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Log-In Technician Initials: **Date/Time:**

RLF 12/3/15 1640

Appendix H

Site Photographs

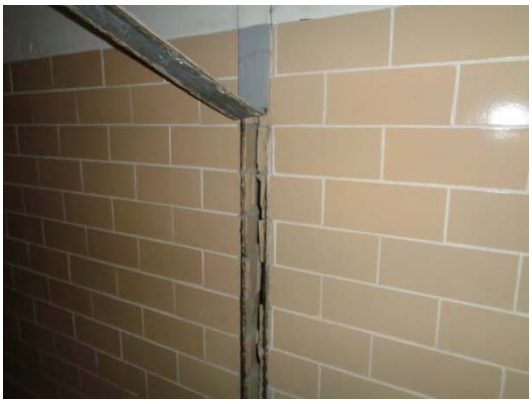
Asbestos-Containing Pipe Insulation Inside Wall Chase

Damaged Asbestos-Containing Soft Plaster Ceiling

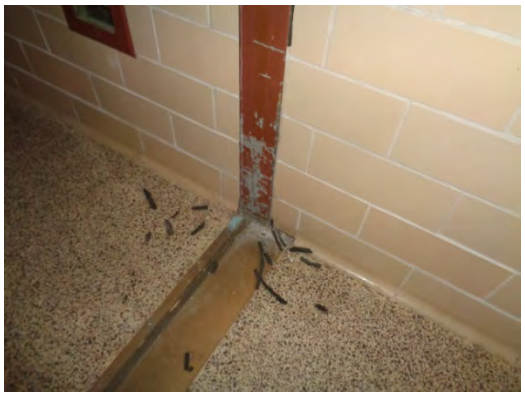
Damaged Asbestos-Containing TSI Inside Wall Chase

Asbestos-Containing Black Bulletin Board Glue At Nurse Station Areas

Asbestos-Containing TSI Above Damaged ACM Soft Plaster Ceiling



Tan Asbestos-Containing Column Caulking At Building Expansion Joints



Tan Asbestos-Containing Column Caulking At Building Expansion Joints

Asbestos-Containing Black Tar/Paper Behind Concrete Window Sill

White Asbestos-Containing Putty/Caulking On Electrical Wiring Inside Metal Drinking Fountain

Asbestos-Containing Black Tar/Paper Behind Concrete Window Sill

Damaged Asbestos-Containing Floor Tile

Asbestos-Containing Black Tar/Paper On Top Of Concrete Foundation

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EnviroScience, LLC

Appendix I

Opinion of Abatement and Demolition Cost

			AAIS Costs	BesTech Costs	HazPros Costs	Manafort Costs	Average Cost Per Item	Cochran Quantites	Cochran Costs
Building Square Footage								188,000	
Task	**DAS Item Number**	**Units**	**COMMODITY AND/OR SERVICES ASBESTOS REMOVAL**						
CLEAN-UP OF ACM DEBRIS BY HEPA VACUUMING	AR-001	SF	$0.24	0.20	$0.15	$0.50	$0.27	$172,000	$46,870
CLEAN-UP OF ACM DEBRIS	NO DAS NUMBER	LS	$0.24	0.20	$0.15	$0.50			$120,000
REMOVAL OF PIPE INSULATION AND MUDDED FITTING INSULATION	AR-002/AR-003/AR-003 (average)	LF	$2.17	2.60	$2.50	$3.00	$2.57	10,000	$25,675
SELECTIVE DEMOLITION TO ACCESS PIPE INSULATION ABOVE	AR-029	SF	$0.87	1.10	$1.00	$2.25	$1.10	54,000	$59,400
REMOVAL OF RESILIENT FLOORING INCLUDING MASTIC	AR-011	SF	$0.87	1.10	$1.00	$2.25	$1.10	110,000	$121,000
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	11,000	$12,100
REMOVAL OF SOFT PLASTER CEILING SYSTEM	AR-014	SF	$2.17	2.60	$2.50	$4.00	$2.60	85,000	$221,000
REMOVAL OF WHITE TANK INSULATIONS	AR-008	SF	$2.89	3.75	$3.50	$5.00	$3.79		$0
REMOVAL OF WHITE HVAC DUCT INSULATION	AR-009	SF	$2.89	3.75	$3.50	$5.00	$3.79		$0
REMOVAL OF VIBRATION ISOLATION CLOTH CONNECTOR	AR-010	SF	$2.17	2.75	$2.50	$4.00	$2.86		$0
REMOVAL OF INSULATED VAULT DOORS	NO DAS NUMBER	EACH	$250.00	250.00	$250.00	$250.00	$250.00		
REMOVAL OF TAN KILN	NO DAS NUMBER	EACH	$250.00	250.00	$250.00	$250.00	$250.00		$0
REMOVAL OF ACOUSTIC OR METAL PAN CEILING SYSTEM (INCLUDING GRID)	AR-015	SF	$1.45	1.80	$1.50	$2.75	$1.88		$0
REMOVEVAL OF WALK IN COOLER CORK AND BLACK MASTIC INSULATION	NO DAS NUMBER	SF	$15.00	15.00	$15.00	$15.00	$15.00	300.00	$4,500
REMOVAL OF 1'X1' GLUE SET WALL TILES	AR-016	SF	$1.16	1.45	$1.25	$3.50	$1.45		$0
REMOVAL OF BROWN GLUE DAUBS ON RECTANGULAR CEILING TILES	AR-016	SF	$1.16	1.45	$1.25	$3.50	$1.45		$0
REMOVAL OF BULLETIN BOARD GLUE DAUBS	AR-016	SF	$1.16	1.45	$1.25	$3.50	$1.45	120	$174
REMOVAL OF BLACK COVE BASE AND BLACK MASTIC	AR-024	LF		$0.90	$0.75	$2.00	$0.90		$0
TERRACOTTA/BRICK WALLS/CHASES	NO DAS NUMBER	SF	$15.00	15.00	$15.00	$15.00	$15.00	30.00	$450
SELECTIVE DEMOLITION TO ACCESS CONCEALED ACM ASSOCIATED WITH ABOVE	AR-029	SF	$0.87	1.10	$1.00	$2.25	$1.10		
REMOVAL OF CMU WALL/TERRA COTTA BLOCK	AR-026	SF	$1.45	1.80	$1.65	$3.00	$1.98		$0
SELECTIVE DEMOLITION TO ACCESS CONCEALED ACM ASSOCIATED WITH ABOVE	AR-029	SF	$0.87	1.10	$1.00	$2.25	$1.10		$0
PREP WORK AREA (1) (2)	AR-027	SF	$0.97	0.97	$1.00	$1.85	$1.00	889,000	$889,000
FIRE DOORS	NO DAS NUMBER	EACH	$125.00	125.00	$125.00	$125.00	$125.00	3.00	$375
TAN INTERIOR COLUMN CAULKING COMPOUNDS	NO DAS NUMBER	LF	$10.00	10.00	$10.00	$10.00	$10.00	1,000	$10,000
REMOVAL OF TAN INTERIOR WINDOW CAULKING	NO DAS NUMBER	EACH	$300.00	300.00	$300.00	$300.00	$300.00		
REMOVAL OF TAN INTERIOR DOOR CAULKING	NO DAS NUMBER	EACH	$250.00	250.00	$250.00	$250.00	$250.00		
REMOVAL OF RADIATOR PACKING INSULATION AND PAPER	NO DAS NUMBER	EACH	$100.00	100.00	$100.00	$100.00	$150.00		
REMOVAL OF GREY CEILING PANELS AND ASSOCIATED SEAM STRIP	NO DAS NUMBER	SF	$15.00	15.00	$15.00	$15.00	$15.00		
REMOVAL OF GRAY CEMENTITIOUS BAKELITE/ELECTRICAL PANEL	NO DAS NUMBER	EACH	$100.00	100.00	$100.00	$100.00	$100.00		
REMOVAL OF GRAY CEMENTITIOUS COUNTERTOP	NO DAS NUMBER	EACH	$100.00	100.00	$100.00	$100.00	$100.00		
REMOVAL OF GRAY CEMENTITIOUS WALL HATCH	NO DAS NUMBER	EACH	$100.00	100.00	$100.00	$100.00	$100.00		
REMOVAL OF GRAY CEMENTITIOUS RADIATOR TOP	NO DAS NUMBER	EACH	$100.00	100.00	$100.00	$100.00	$100.00		
REMOVAL OF GRAY CEMENTITIOUS ELECTRICAL PANEL	NO DAS NUMBER	EACH	$100.00	100.00	$100.00	$100.00	$100.00	60	$6,000
DRINKING FOUNTAINS	NO DAS NUMBER	EACH	$100.00	100.00	$100.00	$100.00	$100.00	3	$300
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							
REMOVAL OF BLACK GLUE ON CERAMIC WALL TILE	NO DAS NUMBER	SF	$15.00	15.00	$15.00	$15.00	$15.00		
REMOVAL OF SKIM COAT CONCRETE ON TERRACOTTA WALL	NO DAS NUMBER	SF	$15.00	15.00	$15.00	$15.00	$15.00		
REMOVAL OF GRAY SLATE STEPS AT MAIN ENTRANCE	NO DAS NUMBER	CY					$50.00		
PROOFING TAR/PAPER UNDER CONCRETE SILL	NO DAS NUMBER	EACH	$300.00	300.00	$300.00	$300.00	$300.00	850	$255,000
DAMP-PROOFING TAR/PAPER UNDER CONCRETE SILL) (10% OF ABOVE)	EF-2	ESC	15%	15%	15%	15%	15%	$ 127,500	$19,125

			AAIS Costs	BesTech Costs	HazPros Costs	Manafort Costs	Average Cost Per Item	Cochran Quantites	Cochran Costs
Building Square Footage								188,000	
PROOFING TAR/PAPER UNDER CONCRETE SILL)	EF-8	ESC	30%	30%	30%	30%	30%	$ 255,000	$76,500
REMOVAL AND DISPOSAL OF LIMESTONE WINDOW SILLS	NO DAS NUMBER	LS							$32,300
REMOVAL OF BLACK TAR/PAPER BEHIND CONCRETE WINDOW SILL	NO DAS NUMBER	SF	$15.00	15.00	$15.00	$15.00	$15.00	2550	$38,250
WINDOW SILL)	NO DAS NUMBER	ESC	30%	30%	30%	30%	30%	$ 38,250	$11,475
REMOVAL OF BLACK TAR PAPER BETWEEN BRICK AND CONCRETE FOUNDATION	NO DAS NUMBER	SF	$15.00	15.00	$15.00	$15.00	$15.00	2,500	$37,500
EXTERIOR WORK (ASSOCIATED WITH BLACK TAR PAPER BETWEEN BRICK AND CONC. FOUNDATION)	EF-8	ESC	30%	30%	30%	30%	30%	$ 37,500	$11,250
REMOVAL OF DAMPPROOFING/TAR ON LIMESTONE TRIMS AND FOUNDATION		SF	$15.00	15.00	$15.00	$15.00	$15.00		
WORK SURFACES OVER 20' HIGH LIMESTONE TRIMS AND FOUNDATION	EF-2	ESC	15%	15%	15%	15%	15%		
EXTERIOR WORK LIMESTONE TRIMS AND FOUNDATION	EF-8	ESC	30%	30%	30%	30%	30%		
EXTERIOR VENT CAULKING COMPOUNDS	NO DAS NUMBER	EACH	$250.00	250.00	$250.00	$250.00	$250.00		
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		
EXTERIOR ROOF COPING STONE SEAM CAULKING COMPOUNDS	NO DAS NUMBER	LF	$10.00	10.00	$10.00	$10.00	$15.00	1,000	$15,000
WORK SURFACES OVER 20' HIGH (ASSOCIATED WITH COPING STONE ABOVE)	EF-2	ESC	15%	15%	15%	15%	15%	$ 10,000	$1,500
EXTERIOR WORK (ASSOCIATED WITH COPING STONE ABOVE)	EF-8	ESC	30%	30%	30%	30%	30%	$ 10,000	$3,000
REMOVAL OF EXTERIOR DOOR CAULKING COMPOUNDS	NO DAS NUMBER	EACH	$250.00	250.00	$250.00	$250.00	$250.00	20	$5,000
EXTERIOR WORK (ASSOCIATED WITH DOORS ABOVE)	EF-8	ESC	30%	30%	30%	30%	30%	5,000.00	$1,500
REMOVAL OF ROOFING TRANSITE MATERIAL	AR-020	SF	$0.72	0.90	$0.85	$2.00	$1.12		$0
REMOVAL OF ROOFING PAPERS AND FELTS	AR-020	SF	$0.72	0.90	$0.85	$2.00	$1.12		$0
REMOVAL OF ROOFING OR ROOF FLASHING MATERIAL SF $1.01	AR-021	ESC	$1.01	1.30	$1.25	$3.00	$1.30		$0
REMOVAL OF PERIMETER AND PENETRATION FLASHING MATERIALS	AR-021	ESC	$1.01	1.30	$1.25	$3.00	$1.30	3,500	$4,550
FLASHINGNG ABOVE) (10% OF ABOVE)	EF-2	ESC	15%	15%	15%	15%	15%	$ 5,740	$861
EXTERIOR WORK (ASSOCIATED WITH ROOF FIELD + ROOF FLASHING ABOVE)	EF-8	ESC	30%	30%	30%	30%	30%	$ 5,740	$1,722
ASBESTOS REMOVAL SUBTOTAL							**$3,224.30**		**$2,031,877**
MISCELLANEOUS ITEMS									
MOBILIZATION (1 PER WORK AREA)	MI-001	EACH	$250.00	250.00	$240.00	$450.00	$297.50	13	$3,868
WORKER DECON (1 PER WORK AREA)	MI-002	EACH	$250.00	250.00	$240.00	$325.00	$266.25	26	$6,923
TEMP ELECTRICAL CONNECTION (LICENSED ELECTRICIAN) (COST + 10%)	MI-005	EACH	$250.00	750.00	$275.00	$275.00	$387.50	16	$6,200
TEMP ELECTRICAL GENERATOR AND FUEL (COST + 10%)	MI-006	DAYS	$20.00	640.00	$363.00	$363.00	$346.50	150	$51,975
DISPOSAL OF ACM WASTE (INCLUDES TRANSPORTATION) (COST + 10%)	MI-007	CY	$55.00	60.00	$55.00	$57.00	$56.75	2,000	$113,500
DISPOSAL OF CONSTRUCTION DEBRIS (INCLUDES TRANSPORTATION) COST+10%	MI-009	CY	$25.00	30.00	$25.00	$27.00	$40.00	1,200	$48,000
PROJECT NOTIFIACTION FEES (COST + 10%)	MI-015	LS	$5,500.00	5,500.00	$5,500.00	$5,500.00	$5,500	1.00	$5,500
MISCELLANEOUS SUBTOTAL									**$235,965**
PCB REMEDIATION CT DEEP PCB WASTE									
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 SUBTOTAL									

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Building Square Footage								188,000	
DEMOLITION									
BUILDING DEMOLITION INCLUDING BACKFILL	NO DAS NUMBER	LS							$1,000,000
RESURFACE AREA WITH RYE GRASS SEED & TOP DRESS	NO DAS NUMBER	SF					$0.20	50,000.00	$10,000
SITE SECURITY FENCING (4)	NO DAS NUMBER	LS					$11.00	1,800	$19,800
BALLAST, MERCURY-CONTAINING DEVICES & OTHER BUILDING WASTE CONTAINERIZATION, TRANSPORTATION, AND DISPOSAL	NO DAS NUMBER	LS							$15,000
DEMOLITION SUBTOTAL									**$1,044,800**
CONTINGENCY ALLOWANCES (5%)									
Contingency Allowance (5%)		**LS**							**$331,264**
ABATEMENT MONITORING COST									
ABATEMENT MONITORING ESTIMATE (5% OF ABATEMENT COSTS)		LS							$101,594
SPECIFICATION AND DESIGN DEVELOPMENT		LS							$4,000
ABATEMENT MONITORING SUBTOTAL									**$105,594**
BUILDING TOTALS									**$3,749,500**