



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

**HAZARDOUS MATERIALS
INSPECTION REPORT**

**FORMER BRIDGE STREET SCHOOL
90 BRIDGE STREET
SUFFIELD, CONNECTICUT 06078**

Prepared for:

**Ms. Julie Oakes
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Prepared by:

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ATC PROJECT NUMBER: 05944.16.002 PHASE 1

March 16, 2016

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Dear Ms. Oakes,

Please find the attached Hazardous Materials Inspection Report for the Former Bridge Street School located at 90 Bridge Street in Suffield, CT.

If you have any questions regarding this report please do not hesitate to contact the undersigned at 860 282-9924. Thank you for this opportunity to be of service to the Town of Suffield.

Respectfully, submitted this 16th day of March, 2016.

ATC Group Services LLC



Scott J. Johnson
Operations Manager, Building Sciences
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1.0 EXECUTIVE SUMMARY

ATC Group Services LLC (ATC) of East Hartford, Connecticut was retained by the Town of Suffield located at 230C Mountain Road, Suffield, CT to perform a Hazardous Materials Inspection of the Former Bridge Street School located at 90 Bridge Street in Suffield, CT. The inspection and related testing included sampling and assessing the condition of potential asbestos-containing materials (ACM), lead-based paint (LBP), and hazardous materials inventory of the Former Bridge Street School. This report describes the extent of hazardous materials identified within the property. Historical sampling review, visual inspection techniques and bulk sample collection were used for ACM identification. X-Ray Florescence (XRF) screening was used for LBP detection.

2.0 ASBESTOS-CONTAINING BUILDING MATERIALS SURVEY

2.1 Sampling Methodology

ATC representatives, Mr. Stanley Szelag and Mr. Scott Johnson, performed an asbestos inspection on February 25-26, 2016 and March 1, 2016. Mr. Szelag and Mr. Johnson are accredited licensed Asbestos Inspectors (CT DPH license #000493 and #000297), respectively. The survey was performed as a walk-through visual inspection and historical sampling review, combined with the collection and analysis of bulk samples of suspect materials. Concealed areas such as above fixed ceilings or within walls were accessed within limits for inspection. Samples were obtained from suspect ACM throughout the interior and exterior of the building, including the roof.

Mr. Szelag and Mr. Johnson collected bulk samples and conducted visual inspection according to the methods outlined in the U.S. Environmental Protection Agency (EPA) guidance document titled, "Guidance for Controlling Asbestos-Containing Materials in Buildings" (Document No. 560/5-85/024) and 40 CFR § 763.86.

The EPA recognizes the following as forms of asbestos: Chrysotile, Crocidolite, Amosite, Tremolite, Actinolite and Anthophyllite. To be classified as ACM, the material must be determined to contain greater than one percent (1%) asbestos. In order to consider a material non-asbestos-containing, all samples of a homogeneous type of material that are collected must be analyzed and all results must indicate less than 1% asbestos.

Asbestos bulk samples were analyzed by EMSL Analytical Inc., Wallingford, CT and New York, NY using Polarized Light Microscopy (PLM) or Transmission Electron Microscopy (TEM) EPA 600/R-93/116 Method. The quantities of each of these substances are estimated based on the procedures defined in the above-cited reference and are reported as a percentage. EMSL Analytical Inc. is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 200700-0). Laboratory bulk sample results are included in Appendix A. Table 2-1, presented in Section 2.3 contains the summary of inspection findings.

2.2 Limitations

It is important to note that ATC's intent was to sample all accessible suspect materials associated with the building. ATC accessed concealed spaces within limits, such as in walls or above fixed ceilings to identify concealed suspect materials. Any hidden materials discovered during future pre-

demolition/renovation or construction activities not identified within this report should be assumed to be ACM until laboratory analysis proves otherwise.

2.3 Building Materials Summary

Table 2-1 summarizes all suspect ACM that were encountered and subsequently submitted for PLM or TEM analysis. A total of 115 bulk samples were collected for analysis. **A material is considered to be ACM if it contains greater than one percent (1%) asbestos by PLM or TEM analysis.** Appendix A contains laboratory bulk sample analysis and chain of custody for samples collected.

<i>TABLE 2-1 ASBESTOS BULK SAMPLING Former Bridge Street School Suffield, CT</i>			
<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
022616-1A	Classroom 1	Plaster Scratch Coat – Gray	NAD
022616-1B	Classroom 2	Plaster Scratch Coat – Gray	NAD
022616-1C	Classroom 4	Plaster Scratch Coat – Gray	NAD
022616-2A	Boys Bathroom	Plaster Ceiling Skim Coat – White	NAD
022616-2B	Classroom 4	Plaster Ceiling Skim Coat – White	NAD
022616-2C	Nurses Room	Plaster Ceiling Skim Coat – White	NAD
022616-3A	Boys Bathroom	Plaster Ceiling Base Coat – Gray	NAD
022616-3B	Classroom 4	Plaster Ceiling Base Coat – Gray	NAD
022616-3C	Nurses Room	Plaster Ceiling Base Coat – Gray	NAD
022616-4A	Classroom 1	Plaster Wall Skim Coat – White	NAD

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
022616-4B	Classroom 4	Plaster Wall Skim Coat – White	NAD
022616-4C	Nurses Room	Plaster Wall Skim Coat – White	NAD
022616-5A	Classroom 1	Plaster Wall Base Coat – Gray	NAD
022616-5B	Classroom 4	Plaster Wall Base Coat – Gray	NAD
022616-5C	Nurses Room	Plaster Wall Base Coat – Gray	NAD
022616-6A	Main Corridor o/s Classroom 3	Plaster Wall Rough Coat	NAD
022616-6B	Main Corridor o/s Main Office	Plaster Wall Rough Coat	NAD
022616-6C	Main Corridor o/s Classroom 6	Plaster Wall Rough Coat	NAD
022616-7A	Teachers Room	Gypsum Board Wall	NAD
022616-7B	Cafeteria	Gypsum Board Wall	NAD
022616-8A	Teachers Room	Joint Compound – Tan	5.4% CH*
022616-8B	Cafeteria	Joint Compound – White	NAD*
022616-9A	Classroom 7	Glue Daubs for Black Boards – Brown	NAD
022616-9B	Classroom 7	Glue Daubs for Black Boards – Brown	NAD

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
022616-10A	Classroom 2	Glue Daubs for Black Boards – Dark Brown	NAD
022616-10B	Classroom 2	Glue Daubs for Black Boards – Dark Brown	NAD
022616-11A	Classroom 7	Black Board	NAD
022616-11B	Classroom 7	Black Board	NAD
022616-12A	Classroom 3	Door Glaze – Black	2% CH
022616-12B	Classroom 4	Door Glaze – Black	NA/PS
022616-13A	Main Office	Window Glaze – D. Brown (Office to Stairwell)	<0.1% CH*
022616-14A	Classroom 3	Sink Putty – Tan	3% CH
022616-14B	Classroom 3	Sink Putty – Tan	NA/PS
022616-15A	Basement Hallway	12”x12” White Floor Tile	NAD
022616-16A	Basement Hallway	Black Mastic for 12”x12” White Floor Tile	4% CH
022616-17A	Teachers Room	9”x9” Gray Floor Tile	6% CH
022616-17B	Classroom 9	9”x9” Gray Floor Tile	NA/PS
022616-18A	Classroom 9	Black Mastic for 9”x9” Gray Floor Tile	3% CH

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
022616-18B	Classroom 9	Black Mastic for 9"x9" Gray Floor Tile	NA/PS
022616-19A	Classroom 8	Chalk Board – Black	NAD
022616-19B	Classroom 9	Chalk Board – Black	NAD
022616-20A	Boys Bathroom	2'x4' Suspended Ceiling Tile – Fissured	NAD
022616-20B	Teachers Room	2'x4' Suspended Ceiling Tile – Fissured	NAD
022616-21A	Classroom 6	Sheet Flooring	22% CH
022616-21B	Classroom 6	Sheet Flooring	NA/PS
022616-22A	Boys Bathroom	Ceramic Wall Tile Grout (Contaminated with Joint Compound)	2% CH
022616-22B	Nurses Room	Ceramic Wall Tile Grout	NAD
022616-23A	Boys Bathroom	Ceramic Wall Tile Setting Compound/Adhesive	NAD
022616-23B	Nurses Room	Ceramic Wall Tile Setting Compound/Adhesive	NAD
022616-24A	Boys Bathroom	Ceramic Floor Tile Grout	NAD
022616-24B	Girls Bathroom	Ceramic Floor Tile Grout	NAD

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
022616-25A	Boys Bathroom	Ceramic Floor Tile Setting Compound	NAD
022616-25B	Girls Bathroom	Ceramic Floor Tile Setting Compound	NAD
022616-26A	Attic Projection Room	Original Electrical Wire Insulation Canvas Wrap	24% CH
022616-26B	Attic Projection Room	Original Electrical Wire Insulation Canvas Wrap	NA/PS
022616-27A	Cafeteria	Wood Floor Underlayment Paper	NAD
022616-27B	Classroom 4	Wood Floor Underlayment Paper	NAD
022616-28A	Attic	Duct Insulation	58% CH
022616-28B	Attic	Duct Insulation	NA/PS
022616-28C	Attic	Duct Insulation	NA/PS
022616-29A	Classroom 9	Pipe Fitting Insulation	8% CH
022616-29B	Basement Storage Room	Pipe Fitting Insulation	NA/PS
022616-29C	Boiler Room	Pipe Fitting Insulation	NA/PS
022616-30A	Boiler Room	Plaster Ceiling Skim Coat – White	NAD
022616-30B	Boiler Room	Plaster Ceiling Skim Coat – White	NAD

**TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT**

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
022616-30C	Boiler Room	Plaster Ceiling Skim Coat – White	NAD
022616-31A	Boiler Room	Plaster Ceiling Base Coat – Brown	NAD
022616-31B	Boiler Room	Plaster Ceiling Base Coat – Brown	NAD
022616-31C	Boiler Room	Plaster Ceiling Base Coat – Brown	NAD
022616-32A	Basement Coal Storage Room	Cementitious Ceiling	NAD
022616-32B	Basement Coal Storage Room	Cementitious Ceiling	NAD
022616-33A	Boiler Room	Boiler Rib Cement	NAD
022616-33B	Boiler Room	Boiler Rib Cement	NAD
022616-34A	Boiler Room	Boiler Insulation	NAD
022616-34B	Boiler Room	Boiler Insulation	NAD
022616-35A	Boiler Room	Breeching Insulation	54% CH
030316-1A	Boys Bathroom	Ceramic Wall Tile Grout	NAD
030316-1B	Girls Bathroom	Ceramic Wall Tile Grout	NAD
030316-2A	Boys Bathroom	Joint Compound – Tan	<1% CH

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
030316-2B	Basement Storage Room	Ceiling Joint Compound – Tan	<1% CH
030316-2C	East Stairwell	Joint Compound – White	NAD
030116-1A	Exterior Basement	Exterior Wood Window Caulk	3% CH
030116-1B	Exterior Basement	Exterior Wood Window Caulk	NA/PS
030116-2A	Exterior Rear Shed	Wood Window Glaze	NAD
030116-2B	Exterior Rear Shed	Wood Window Glaze	NAD
030116-2C	Basement Stair to Boiler Room	Wood Window Glaze	NAD
030116-3A	Exterior	Brick Mortar	NAD
030116-4A	Shed	Fiber Board	NAD
030116-5A	Roof	Vent Caulk – Pink	NAD
030116-5B	Roof	Vent Caulk – Pink	NAD
030116-6A	Foundation (Below Grade)	Black Waterproofing	NAD
030116-6B	Foundation (Below Grade)	Black Waterproofing	NAD
030116-7A	Slate Roof	Tar Paper under Slate Roof Shingles	NAD

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
030116-7B	Slate Roof	Tar Paper under Slate Roof Shingles	NAD
030116-8A	Slate Roof	Black Tar under Slate Shingles	10% CH
030116-8B	Slate Roof	Black Tar under Slate Shingles	NA/PS
030116-9A	Chimney	Chimney Flashing Tar	12% CH
030116-9B	Lower Flat Roof	Roof Flashing Tar at Brick Wall by Chimney	NA/PS
030116-10A	Lower Flat Roof	Roof Flashing Tar	NAD
030116-10B	Lower Flat Roof	Roof Flashing Tar	NAD
030116-11A	Lower Flat Roof	Roof Flashing – Top Layer	8% CH
030116-11B	Lower Flat Roof	Roof Flashing – Top Layer	NA/PS
030116-12A	Lower Flat Roof	Roof Flashing – Middle Layer	15% CH
030116-12B	Lower Flat Roof	Roof Flashing – Middle Layer	NA/PS
030116-13A	Lower Flat Roof	Roof Flashing – Bottom Layer	NAD
030116-13B	Lower Flat Roof	Roof Flashing – Bottom Layer	NAD
030116-14A	Shed Roof	Roof Flashing Tar	8% CH

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
030116-14B	Upper Flat Roof	Roof Flashing Tar	NA/PS
030116-15A	Lower Flat Roof	Rolled Roofing Membrane Top Layer	NAD
030116-15B	Lower Flat Roof	Rolled Roofing Membrane Top Layer	NAD
030116-16A	Lower Flat Roof	Rolled Roofing Membrane 2 nd Layer	NAD
030116-17A	Lower Flat Roof	Rosin Paper Layer under Rolled Roofing Membrane	NAD
030116-17B	Upper Flat Roof	Rosin Paper Layer under Rolled Roofing Membrane	NAD
030116-18A	Lower Flat Roof	Tar Paper under Rolled Roofing (Bottom Layer)	NAD
030116-18B	Upper Flat Roof	Tar Paper under Rolled Roofing (Bottom Layer)	NAD
HISTORICAL 2004 – ESC	1st Floor Hallway	Black Mastic	5% CH
HISTORICAL 2004 – ESC	Basement – Room on Right	Yellow Mastic	5% CH
HISTORICAL 2004 – ESC	Boiler Room, Basement Storage, Crawlspace	Mudded Insulation on Pipe Fittings	35% CH
HISTORICAL 2004 – ESC	Classrooms	Pink Sink Undercoating	8% CH
HISTORICAL 2004 – ESC	Boiler Room	Flue Cement	8% CH

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
HISTORICAL 2004 – ESC	Boiler Room	End Cap Insulation	35% CH
HISTORICAL 2004 – ESC	Exterior Wood Windows	Window/Door Caulk	5% CH
HISTORICAL 2004 – ESC	Exterior Metal Windows	Window Caulk	5% CH
HISTORICAL 2004 – ESC	Exterior Metal Windows	Door Caulk	8% CH
HISTORICAL 2004 – ESC	Exterior Wood Windows	Window Glazing Compound	<0.25% CH*
HISTORICAL 2004 – ESC	Exterior Metal Windows	Window Glazing Compound	NAD
HISTORICAL 2004 – ESC	Exterior Replacement Windows	Window Caulk	NAD
HISTORICAL 2004 – ESC	Classrooms	Carpet Glue	NAD
HISTORICAL 2004 – ESC	Classrooms	Flooring Paper	NAD
HISTORICAL 2004 – ESC	Classrooms	Tack Board Adhesive	NAD
HISTORICAL 2004 – ESC	Room 2 & Library	12”x12” Wall Tile	NAD
HISTORICAL 2004 – ESC	Room 2 & Library	Wall Tile Mastic	NAD
HISTORICAL 2004 – ESC	Basement Room on Right	White 12”x12” Floor Tile	NAD

TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
HISTORICAL 2004 – ESC	Throughout	Cove Base Mastic	NAD
HISTORICAL 2004 – ESC	1 st Floor	White Cove Base	NAD
HISTORICAL 2004 – ESC	Basement – Room on Left	Black 4” Cove Base	NAD
HISTORICAL 2004 – ESC	Basement – Room on Right	Black 6” Cove Base	NAD
HISTORICAL 2004 – ESC	Cafeteria & Basement – Room on Right	Glue Daubs	NAD
HISTORICAL 2004 – ESC	Cafeteria & Basement – Room on Right	1’x1’ Ceiling Tile	NAD
HISTORICAL 2004 – ESC	1 st Floor Bathroom	Ceramic Wall Tile Mastic	NAD
HISTORICAL 2004 – ESC	1 st Floor Bathroom	Ceramic Floor Tile Mastic	NAD
HISTORICAL 2004 – ESC	Room 7, Basement, Kitchen	Yellow Sink Undercoating	NAD
HISTORICAL 2004 – ESC	Library	Black Sink Undercoating	0.25% CH*
HISTORICAL 2004 – ESC	Basement, Cafeteria	Sheetrock & Joint Compound Composite	NAD
HISTORICAL 2004 – ESC	Basement, Cafeteria	Sheetrock	NAD
HISTORICAL 2004 – ESC	Basement, Cafeteria	Joint Compound	NAD

**TABLE 2-1
ASBESTOS BULK SAMPLING
Former Bridge Street School
Suffield, CT**

<i>Sample Number</i>	<i>Location</i>	<i>Material</i>	<i>Percent Asbestos</i>
HISTORICAL 2004 – ESC	Throughout	Rough Coat Plaster	NAD
HISTORICAL 2004 – ESC	Throughout	Skim Coat Plaster	NAD
HISTORICAL 2004 – ESC	Teacher’s Room	Striated 2’x4’ Ceiling Tile	NAD
HISTORICAL 2004 – ESC	Teacher’s Room	Pinhole 2’x4’ Ceiling Tile	NAD
HISTORICAL 2004 – ESC	Boiler Room	Pipe Filler	NAD
HISTORICAL 2004 – ESC	Boiler Room	Cement on Boiler	NAD

NAD = No Asbestos Detected

CH = Chrysotile

NA/PS = Not Analyzed/Positive Stop

*= Analyzed by TEM/NOB Method

Based on laboratory analysis, the following materials sampled as part of this survey were found to be Asbestos Containing:

- Pipe Insulation
- Pipe Fitting Insulation
- Duct Insulation
- 9”x9” Floor Tile w/Associated Black Mastic
- Black Mastic for 12”x12” Floor Tile
- Sheet Flooring
- Joint Compound – Tan
- Sink Undercoating – Pink
- Sink Putty – Tan
- Interior Door Light Glazing
- Boiler Breeching Insulation
- Boiler Flue Cement
- Boiler Components (Rope, Gaskets, etc.)
- Original Electrical Wire Insulation

- Exterior Window Caulk
- Exterior Door Caulk
- Roof Flashing Tar
- Roof Flashing
- Chimney Flashing Tar
- Black Tar Associated with Slate Roof

Table 2-2 provides a summary of ACM types, locations and estimated quantities.

<p align="center">TABLE 2-2 SUMMARY OF ASBESTOS-CONTAINING MATERIALS <i>Former Bridge Street School</i> <i>Suffield, CT</i></p>		
<i>Material</i>	<i>Locations</i>	<i>Estimated Quantity</i>
Pipe Insulation	Crawlspace Areas	Unconfirmed (Estimated at 1,000 LF)
Pipe Fitting Insulation	Boiler Room, Crawlspace Areas, Coal Storage Room, Bathrooms, Classroom 8 and 9, Basement Storage Room	200 Each
Duct Insulation	Attic	3,360 SF
9"x9" Floor Tile w/Black Mastic	Teacher's Room, Kitchen, Storage 3, Storage 4, Classroom 9	1,770 SF
Black Mastic for 12"x12" Floor Tile	Main Corridor, East Stairwell, Basement Hall, Classroom 8	3,000 SF
Sheet Flooring	Classroom 6	6 SF
Joint Compound – Tan	Boys Bathroom, Girls Bathroom, Basement Storage Room, Classroom 5, Classroom 6	2,050 SF
Sink Undercoating – Pink	All First Floor Classrooms	6 Each
Sink Putty – Tan	All First Floor Classrooms	8 Each
Interior Door Light Glazing	Classroom Doors	13 Each
Exterior Window Caulk	Exterior Wood and Metal Windows	Approximately 55 Windows (1,100 LF)
Exterior Door Caulk	Exterior Wood and Metal Doors	Approximately 8 Doors (200 LF)
Boiler Breeching Insulation	Boiler Room	100 SF
Boiler Flue Cement	Boiler Room	2 SF

TABLE 2-2
SUMMARY OF ASBESTOS-CONTAINING MATERIALS
Former Bridge Street School
Suffield, CT

<i>Material</i>	<i>Locations</i>	<i>Estimated Quantity</i>
Boiler Components	Boiler Room	1 Boiler
Original Electrical Wire Insulation	Seen in Attic Projection Room	Unknown
Roof Flashing and Flashing Tar	Flat Roofs, Shed Roof, Chimney	300 LF
Slate Roofing Tar	Sloped Roofs	10,000 SF
Contaminated Dirt	Crawlspace	Unconfirmed (Estimated at 8,000 CF)

SF = Square Feet
LF = Linear Feet
CU = Cubic Feet

NOTE: Full access to pipe tunnels/crawlspaces require confined space entry procedures. Materials are present in concealed locations (above fixed ceilings, behind plumbing walls).

The remaining materials which were sampled and tested were found to contain no detectable amounts of asbestos. Specifically, the following materials throughout the buildings were determined to be **non-asbestos containing**:

- Plaster Wall Scratch Coat – Gray
- Plaster Wall Skim Coat – White
- Plaster Wall Base Coat – Gray
- Plaster Wall Rough Coat
- Plaster Ceiling Skim Coat – White
- Plaster Ceiling Base Coat – Gray
- Plaster Ceiling Skim Coat – White (Boiler Room)
- Plaster Ceiling Base Coat – Brown (Boiler Room)
- Cementitious Ceiling (Coal Room)
- Gypsum Board
- Joint Compound – White
- Chalkboard Glue Daubs – Brown
- Chalkboard Glue Daubs – Dark Brown
- Chalkboard – Black
- Tack Boards
- White Sink Undercoating
- Black Sink Undercoating
- 2’x4’ Suspended Ceiling Tile

- 1'x1' Ceiling Tile
- Brown Glue Daubs for 1'x1' Ceiling Tile
- 12"x12" Wall Tile
- Mastic for 12" Wall Tile
- Cove Base
- Adhesive for Cove Base
- Ceramic Wall Tile Grout
- Ceramic Wall Tile Adhesive/Setting Compound
- Ceramic Floor Tile Grout
- Ceramic Floor Tile Setting Compound
- Wood Flooring Underlayment Paper
- Carpet Adhesive
- Fiberboard at Shed
- Exterior Window Glaze
- Roof Vent Caulk – Pink
- Brick Mortar
- Exterior Window Glazing (Wood and Metal)
- Exterior Window Caulk (New Windows)
- Foundation Waterproofing – Black
- Slate Roof Tar Paper
- Flat Roof Field Membranes
- Rosin Paper – Flat Roof Field
- Boiler Cement

Refer to Table 2-1, Bulk Sample Summary of Suspect Materials, for all suspect materials that were identified and sampled.

2.4 Requirements

Prior to any activity which may disturb identified ACM, the materials must be abated by an Asbestos Abatement Contractor licensed by the Connecticut Department of Public Health (CT DPH) in accordance with federal and state asbestos abatement regulations.

EPA regulations require the removal of Regulated Asbestos-Containing Materials (RACM) prior to renovation or demolition activities. RACM is defined as: (a) Friable asbestos material; (b) Category I non-friable ACM that has become friable; (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading; or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation activities. The CT DPH defines "asbestos abatement" as removal, encapsulation, enclosure, renovation, repair, demolition or other disturbance of asbestos-containing materials but does not include activities which are related to (A) the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in section 25-32a, or (B) the removal of non-friable asbestos-containing material found exterior to a building or structure other than material defined as regulated asbestos-containing material in 40 CFR § 61, the National Emission Standards for Hazardous Air Pollutants. Based upon these definitions, ACM identified may require removal prior to renovation or demolition. The State of Connecticut, Department

of Energy and Environmental Protection (CT DEEP) regulations require the proper disposal of all ACM, regardless of categorization.

Asbestos abatement can only be performed by a CT DPH licensed Asbestos Abatement Contractor. The abatement contractor must comply with federal, state, and local laws and regulations, including but not limited to:

- State of Connecticut, Department of Public Health
- OSHA Regulation, 29 CFR § 1926.1101 (Asbestos)
- EPA Regulation, 40 CFR Part 61 (NESHAP)

Materials which contain less than one percent asbestos are not regulated by the CT DPH or EPA Regulation 40 CFR Part 61 (NESHAP), but are subject to the requirements of OSHA Regulation 29 CFR § 1926.1101 (Asbestos). Contractors or personnel who may handle these materials must be notified of the presence and location of these materials.

Demolition and roofing contractors must also comply with the above-referenced OSHA and EPA regulations when conducting demolition or renovation activities of structures with intact exterior ACM.

3.0 LEAD-BASED PAINT INSPECTION

3.1 XRF Testing Methodology

Lead-in-paint sampling of representative interior and exterior building surfaces was conducted on February 25, 2016 by Mr. Scott Johnson, a CTDPH licensed Lead inspector Risk Assessor (CTDPH License No. 002224). An RMD LPA-1 XRF lead paint analyzer was used to perform lead analysis of representative accessible surfaces quickly, accurately, and non-destructively by measuring the concentration of lead in the surfaces. The XRF was programmed to take measurements with 95% confidence down to levels of 0.3 milligrams per square centimeter (mg/cm^2). ATC utilized the portable hand-held XRF instrument manufactured by RMD Corporation to determine the presence of lead on representative interior and exterior building components associated with the Former Bridge Street School as requested by the client.

The RMD LPA-1 Lead Paint Analyzer XRF is a direct read instrument, which displays results in micrograms of lead per square centimeter of surface area (mg/cm^2). For the purpose of this report, the building was divided into "testing combinations." Testing combinations are defined as types of painted building components, which appear uniform in paint color and architectural feature. Representative interior and exterior surfaces associated with the building were tested. Upon arrival at the job site, a "validation test" was performed to assure that the instrument was operating properly. The validation test was performed on a lead standard supplied by the manufacturer to determine if the instrument measures the lead content consistently on a day-to-day basis. A series of three tests using the standard measurement (equivalent to a 60-second measurement) were taken on the lead standard. The individual readings were recorded and compared to the factory test data provided with the instrument.

The Environmental Protection Agency (EPA), Housing and Urban Development (HUD), and CTDPH define LBP as paint or other coatings (including glazing) containing a lead concentration of $1.0 \text{ mg}/\text{cm}^2$ or greater as measured by XRF analysis. The OSHA Lead in Construction Industry Standard 29 CFR §

1926.62 deems paint to be lead-containing when any amount of lead is detected by XRF analysis. The State of Connecticut and EPA lead regulations deem paint to be lead-based when XRF analysis is greater than or equal to 1.0 mg/cm², or when found to be equal to or greater than 0.5 percent lead by Atomic Absorption Spectrophotometry (bulk sample). The CT DEEP hazardous waste regulations (RCSA, §§ 22a-209-1; 22a-209-8(c); 22a-449(c)-100 through 110) require building materials found to contain toxic levels of lead to be Toxicity Characteristic Leaching Procedure (TCLP) tested for waste determination prior to disposal. A TCLP reading of greater than or equal to 5.0 milligrams of lead per liters of water (mg/l) is considered hazardous lead waste. A TCLP reading of less than 5.0 mg/l is considered to be general construction debris.

Any demolition or renovation work which may potentially disturb LBP should be conducted using acceptable lead-safe work practices and procedures and be performed in accordance and compliance with all aspects of the OSHA Lead in Construction Industry Standard (29 CFR § 1926.62). In addition, workers involved in renovation activities which may disturb LBP should employ lead-safe work practices and be certified in accordance with the EPA's regulations found at 40 CFR Part 745, Lead; Renovation, Repair and Painting Program (RRP). Unless paint chip samples are collected, all other painted surfaces should also be assumed to contain detectable amounts of lead and be treated as LBP.

3.2 Summary of XRF Testing Results

XRF testing indicated the following components in Table 3-1 to be LBP (i.e. XRF readings of 1.0 mg/cm² or greater):

TABLE 3-1 LEAD-CONTAINING SURFACES/MATERIALS <i>Former Bridge Street School</i> <i>Suffield, CT</i>		
<i>Surface</i>	<i>Color</i>	<i>Locations</i>
Plaster Wall	Tan/Off White, White, Blue, Yellow	Classrooms 1 through 9, Cafeteria
Concrete Lower Wall	Blue, Red, Tan	Main Corridor, Front Entry Stairwell, Stairwell to Basement
Ceramic Wall Tile	Blue	Bathrooms
Sinks	White	Bathrooms
Drinking Water Fountain	White	Main Corridor
Window Sash	White	All Wood Windows
Window Sill	White	All Wood Windows

Please note that testing is representative; surfaces similar to those identified above and in the XRF tables (Appendix B) as having lead paint should also be considered as having lead paint.

3.3 Recommendations

All construction and demolition work that disturbs lead-containing materials will be subject to the OSHA Lead in Construction Standard. Contractors performing construction and demolition work are responsible for compliance with the OSHA Lead in Construction Standard if any of the following activities are performed during renovation, including activities that disturb the lead paint by the use of manual or mechanized techniques. **Regulated activities include abrasive blasting; welding, cutting and burning on structural components; manual or mechanized scraping, sanding and demolition of structures.**

Under OSHA, the employer (i.e. contractor) is responsible for protection of their employees when performing construction and demolition work, which disturbs lead materials. Compliance shall include written health and safety programs, hazard awareness, medical monitoring, exposure assessment testing and engineering controls. During design of the renovation project, building components with lead-containing paint must be carefully considered as to the potential for disturbance and specific construction work practices, which will impact them.

Should materials containing LBP be scheduled for demolition and disposal, ATC recommends collection of composite samples of building components, representative of debris to be generated by renovation activities, and submission to a licensed laboratory for Toxicity Characteristic Leaching Procedure (TCLP) analysis. The result of this test will indicate whether the resulting debris generated from building renovation activities will be characterized as hazardous waste.

4.0 HAZARDOUS MATERIALS SURVEY

4.1 Summary of Hazardous/Regulated Materials

ATC conducted a hazardous materials investigation for light fixture ballasts, fluorescent lamps, exit lights, refrigerants, and heating thermostats in all accessible areas. Table 4-1 is a summary by area of the materials noted during the inspection and their approximate quantity.

TABLE 4-1 REGULATED MATERIALS <i>Former Bridge Street School</i> <i>Suffield, CT</i>		
<i>Component</i>	<i>Locations</i>	<i>Estimated Quantity</i>
Fluorescent Bulb	All Rooms, All Corridors, All Stairwells, All Bathrooms	245
Lighting Ballast (No PCB's)	All Rooms, All Corridors, All Stairwells, All Bathrooms	127
Emergency/Exit Lamp	Main Corridor, Stairwell, Kitchen	6
Fire Extinguishers	Main Corridor	3

TABLE 4-1
REGULATED MATERIALS
Former Bridge Street School
Suffield, CT

<i>Component</i>	<i>Locations</i>	<i>Estimated Quantity</i>
Computers	Kitchen, Classroom 2	63
Computer Monitors	Kitchen	21
Tires	Storage 4	2

4.2 PCB Light Ballasts

The U.S. Environmental Protection Agency (USEPA) banned the manufacture and sale of polychlorinated biphenyl (PCB) containing transformers and fluorescent light fixture ballasts in 1978. Prior to this date, capacitors located within fluorescent light fixture ballasts were filled with dielectric fluid containing PCB-laden oil.

PCB is regulated under the Toxic Substances Control Act (TSCA). According to federal regulations, untested electrical equipment installed prior to 1979 must be considered PCB-containing or contaminated equipment until testing proves otherwise. PCB-contaminated equipment contains between 50 and 499 parts per billion of PCB. If a ballast is not labeled as "Non-PCB" it is assumed to contain PCBs.

Fluorescent light ballasts that are not leaking are regulated under the Comprehensive Environmental Response and Compensation Act (CERCLA) rather than TOSCA. Leaking PCB-containing ballasts are considered hazardous waste and must be incinerated at an EPA-approved high-temperature incinerator. It is important that precautions be taken to limit exposure to leaking ballasts during removal of the ballast. Materials that are contaminated by the leaking ballast will also be considered hazardous waste.

Ballasts must be packed in 55-gallon drums for transportation. Non-leaking ballasts may be disposed of either high temperature incineration or disposal at a hazardous waste landfill. Incineration is more costly but eliminates the generator's liability because it removes the PCB-containing ballast from the waste stream permanently. Disposal at a hazardous waste landfill is less expensive, but the generator continues to be held liable for the materials.

All ballasts that were visually inspected were identified as "No PCB". However, not all ballasts were visually inspected and should be treated as PCB containing until confirmed as Non-PCB containing.

4.3 Mercury

ATC performed a survey for the presence of fluorescent light tubes, and thermostats. An inventory of these items is included in Table 4-1.

Removal of items such as light bulbs and thermometers and/or thermostats shall be performed in such a way as to prevent fluid leaks or spills. Thermometers, thermostats and bulbs should be checked at the time of removal to determine if these items contain mercury. Waste generated by this process shall be recycled or disposed of in accordance with applicable regulations.

4.4 Emergency/Exit Light Fixtures

ATC identified the presence of emergency/exit lights throughout the building. ATC recommends that when exit lights are taken down that they should be physically checked to determine if the exit light is LED and does not have any batteries that may require special handling or disposal.

4.5 Wall/Window Air Conditioning Units

ATC did not see any wall/window air conditioning units within the building. ATC recommends that if units are found and need to be removed and re-used or, if not to be re-used, they be forwarded to an approved facility for proper handling of refrigerants prior to disposal.

4.6 Recommendations

The State of Connecticut and Federal EPA have established regulations regarding certain items classified as Universal Waste. These items include batteries, mercury thermostats, lamps, bulbs, used computers/electronics, pesticides, and cleaning chemicals.

ATC recommends collection of these building components during renovations, packaging and submission for recycling. An estimated inventory of these items is included in Table 4-1.

APPENDIX A

Asbestos Bulk Sample Results and Chain of Custody



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Customer PO: 16-10133-0001
Project ID:

Attn: ATC Group Services LLC
290 Roberts Street
Suite 301
East Hartford, CT 06108
Phone: (860) 282-9924
Fax: (860) 282-9826
Collected: 2/26/2016
Received: 2/27/2016
Analyzed: 3/03/2016
Proj: 0594416002PH1/ TOWN OF SUFFIELD/ BRIDGE ST. SCHOOL/ 90 BRIDGE ST. SUFFIELD, CT

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

Client Sample ID: 022616-1A **Lab Sample ID:** 031605318-0001
Sample Description: ROOM 1/PLASTER SCRATCH COAT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	3%	97%	None Detected	

Client Sample ID: 022616-1B **Lab Sample ID:** 031605318-0002
Sample Description: ROOM 2/PLASTER SCRATCH COAT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-1C **Lab Sample ID:** 031605318-0003
Sample Description: ROOM 4/PLASTER SCRATCH COAT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-2A **Lab Sample ID:** 031605318-0004
Sample Description: BOYS ROOM/CEILING PLASTER SKIM C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	100%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 022616-2B **Lab Sample ID:** 031605318-0005
Sample Description: ROOM 4/CEILING PLASTER SKIM C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	100%	None Detected	

Client Sample ID: 022616-2C **Lab Sample ID:** 031605318-0006
Sample Description: NURSES ROOM/CEILING PLASTER SKIM C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	100%	None Detected	

Client Sample ID: 022616-3A **Lab Sample ID:** 031605318-0007
Sample Description: BOYS ROOM/CEILING PLASTER BASE C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	2%	98%	None Detected	



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Project ID:

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Client Sample ID: 022616-3B **Lab Sample ID:** 031605318-0008

Sample Description: ROOM 4/CEILING PLASTER BASE C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	<1%	100%	None Detected	

Client Sample ID: 022616-3C **Lab Sample ID:** 031605318-0009

Sample Description: NURSES ROOM/CEILING PLASTER BASE C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-4A **Lab Sample ID:** 031605318-0010

Sample Description: ROOM 1/WALL PLASTER SKIM C

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Tan/White	0%	100%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 022616-4B **Lab Sample ID:** 031605318-0011

Sample Description: ROOM 4/WALL PLASTER SKIM C

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	100%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 022616-4C **Lab Sample ID:** 031605318-0012

Sample Description: NURSES ROOM/WALL PLASTER SKIM C

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	100%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 022616-5A **Lab Sample ID:** 031605318-0013

Sample Description: ROOM 1/WALL PLASTER BASE C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	2%	98%	None Detected	

Client Sample ID: 022616-5B **Lab Sample ID:** 031605318-0014

Sample Description: ROOM 4/WALL PLASTER BASE C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-5C **Lab Sample ID:** 031605318-0015

Sample Description: NURSES ROOM/WALL PLASTER BASE C.

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	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: 022616-6A **Lab Sample ID:** 031605318-0016
Sample Description: HALL O/S ROOM 3/ROUGH WALL PLASTER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Tan/White	0%	100%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 022616-6B **Lab Sample ID:** 031605318-0017
Sample Description: HALL O/S OFFICE/ROUGH WALL PLASTER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Tan/White	0%	100%	None Detected	Inseparable paint / coating layer included in analysis

Client Sample ID: 022616-6C **Lab Sample ID:** 031605318-0018
Sample Description: HALL O/S RM 6/ROUGH WALL PLASTER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-7A **Lab Sample ID:** 031605318-0019
Sample Description: TEACHER ROOM/GYPSUM WALL BOARD

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Brown/Gray	13%	87%	None Detected	

Client Sample ID: 022616-7B **Lab Sample ID:** 031605318-0020
Sample Description: CAFETERIA/GYPSUM WALL BOARD

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	5%	95%	None Detected	

Client Sample ID: 022616-8A **Lab Sample ID:** 031605318-0021
Sample Description: TEACH. ROOM/GYPSUM BOARD JOINT COMPOUND

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Tan/White	0%	97%	3% Chrysotile	Inseparable paint / coating layer included in analysis

Client Sample ID: 022616-8B **Lab Sample ID:** 031605318-0022
Sample Description: CAFÉ/GYPSUM BOARD JOINT COMPOUND

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016				Stop Positive (Not Analyzed)	
TEM Grav. Reduction	03/03/2016	Tan/White	0.0%	94.6%	5.4% Chrysotile	

Client Sample ID: 022616-9A **Lab Sample ID:** 031605318-0023
Sample Description: ROOM 7/BLACKBOARD GLUE DAUBS - LT BRN

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Brown	0%	100%	None Detected	



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Client Sample ID: 022616-9B Lab Sample ID: 031605318-0024

Sample Description: ROOM 7/BLACKBOARD GLUE DAUBS - LT BRN

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Brown	0%	100%	None Detected	

Client Sample ID: 022616-10A Lab Sample ID: 031605318-0025

Sample Description: ROOM 2/BLACKBOARD G.D. DARK BRN

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Brown	0%	100%	None Detected	

Client Sample ID: 022616-10B Lab Sample ID: 031605318-0026

Sample Description: ROOM 2/BLACKBOARD G.D. DARK BRN

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Brown	0%	100%	None Detected	

Client Sample ID: 022616-11A Lab Sample ID: 031605318-0027

Sample Description: ROOM 7/BLACKBOARD G.N. BLACK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White/Black	0%	100%	None Detected	

Client Sample ID: 022616-11B Lab Sample ID: 031605318-0028

Sample Description: ROOM 7/BLACKBOARD G.N. BLACK

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray/Black	0%	100%	None Detected	

Client Sample ID: 022616-12A Lab Sample ID: 031605318-0029

Sample Description: ROOM 3/DOOR WINDOW GLAZE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Black	0%	98%	2% Chrysotile	

Client Sample ID: 022616-12B Lab Sample ID: 031605318-0030

Sample Description: ROOM 3/DOOR WINDOW GLAZE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016					Stop Positive (Not Analyzed)

Client Sample ID: 022616-13A Lab Sample ID: 031605318-0031

Sample Description: O/S OFFICE/WINDOW GLAZE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Black	5%	95%	<1% Chrysotile	TEM recommended
TEM Grav. Reduction	03/03/2016	Black	0.0%	100%	<0.1% 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: 022616-14A Lab Sample ID: 031605318-0032

Sample Description: ROOM 3/SINK PUTTY

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Tan	0%	97%	3% Chrysotile	

Client Sample ID: 022616-14B Lab Sample ID: 031605318-0033

Sample Description: ROOM 3/SINK PUTTY

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016		Stop Positive (Not Analyzed)			

Client Sample ID: 022616-15A Lab Sample ID: 031605318-0034

Sample Description: BSMNT HALL/12"X12" WHITE FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White/Beige	5%	95%	None Detected	

Client Sample ID: 022616-16A Lab Sample ID: 031605318-0035

Sample Description: BSMNT HALL/12 X 12 WHITE FLOOR TILE MASTIC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Black	0%	96%	4% Chrysotile	

Client Sample ID: 022616-17A Lab Sample ID: 031605318-0036

Sample Description: TEACHER ROOM/9 X 9 GRAY FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	94%	6% Chrysotile	

Client Sample ID: 022616-17B Lab Sample ID: 031605318-0037

Sample Description: ROOM 9/9 X 9 GRAY FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016		Stop Positive (Not Analyzed)			

Client Sample ID: 022616-18A Lab Sample ID: 031605318-0038

Sample Description: TEACHER ROOM/9X9 FLOOR TILE MASTIC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Black	4%	93%	3% Chrysotile	

Client Sample ID: 022616-18B Lab Sample ID: 031605318-0039

Sample Description: ROOM 9/9X9 FLOOR TILE MASTIC

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016		Stop Positive (Not Analyzed)			



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Client Sample ID: 022616-19A **Lab Sample ID:** 031605318-0040
Sample Description: ROOM 8/BLACK BOARD (CHALK BOARD)

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray/Black	0%	100%	None Detected	

Client Sample ID: 022616-19B **Lab Sample ID:** 031605318-0041
Sample Description: ROOM 9/BLACK BOARD (CHALK BOARD)

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-20A **Lab Sample ID:** 031605318-0042
Sample Description: BOYS ROOM/2X4 SET WORM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray/White	57%	43%	None Detected	

Client Sample ID: 022616-20B **Lab Sample ID:** 031605318-0043
Sample Description: TEACHER ROOM/2X4 SET WORM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray/White	65%	35%	None Detected	

Client Sample ID: 022616-21A **Lab Sample ID:** 031605318-0044
Sample Description: ROOM 6/SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray/White/Green	20%	58%	22% Chrysotile	

Client Sample ID: 022616-21B **Lab Sample ID:** 031605318-0045
Sample Description: ROOM 6/SHEET FLOORING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016					Stop Positive (Not Analyzed)

Client Sample ID: 022616-22A **Lab Sample ID:** 031605318-0046
Sample Description: BOYS ROOM/CERAMIC WALL TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	98%	2% Chrysotile	

Client Sample ID: 022616-22B **Lab Sample ID:** 031605318-0047
Sample Description: NURSES ROOM/CERAMIC WALL TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/02/2016	White	0%	100%	None Detected	



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http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order ID: 031605318
Customer ID: ATCE54
Customer PO: 16-10133-0001
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: 022616-23A **Lab Sample ID:** 031605318-0048

Sample Description: BOYS ROOM/CERAMIC WALL TILE SET COMP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Tan	2%	98%	None Detected	

Client Sample ID: 022616-23B **Lab Sample ID:** 031605318-0049

Sample Description: NURSES ROOM/CERAMIC WALL TILE SET COMP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-24A **Lab Sample ID:** 031605318-0050

Sample Description: BOYS ROOM/CER. FLR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-24B **Lab Sample ID:** 031605318-0051

Sample Description: GIRLS ROOM/CER. FLR TILE GROUT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-25A **Lab Sample ID:** 031605318-0052

Sample Description: BOYS ROOM/CER. FLR TILE SET COMP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-25B **Lab Sample ID:** 031605318-0053

Sample Description: GIRLS ROOM/CER. FLR TILE SET COMP

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-26A **Lab Sample ID:** 031605318-0054

Sample Description: ATTIC/WIRE INSULATION ORIGINAL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Tan	0%	76%	24% Chrysotile	

Client Sample ID: 022616-26B **Lab Sample ID:** 031605318-0055

Sample Description: ATTIC/WIRE INSULATION ORIGINAL

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016					Stop Positive (Not Analyzed)



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EMSL Order ID: 031605318
Customer ID: ATCE54
Customer PO: 16-10133-0001
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: 022616-27A							Lab Sample ID: 031605318-0056
Sample Description: CAFETERIA/WOOD FLOOR UNDER LAY PAPER							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment	
			Fibrous	Non-Fibrous			
PLM	03/01/2016	Gray	88%	12%	None Detected		
Client Sample ID: 022616-27B							Lab Sample ID: 031605318-0057
Sample Description: ROOM 4/WOOD FLOOR UNDER LAY PAPER							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment	
			Fibrous	Non-Fibrous			
PLM	03/01/2016	Gray	85%	15%	None Detected		
Client Sample ID: 022616-28A							Lab Sample ID: 031605318-0058
Sample Description: ATTIC/DUCT INSULATION GRAY							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment	
			Fibrous	Non-Fibrous			
PLM	03/01/2016	Gray	0%	42%	58% Chrysotile		
Client Sample ID: 022616-28B							Lab Sample ID: 031605318-0059
Sample Description: ATTIC/DUCT INSULATION GRAY							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment	
			Fibrous	Non-Fibrous			
PLM	03/01/2016		Stop Positive (Not Analyzed)				
Client Sample ID: 022616-28C							Lab Sample ID: 031605318-0060
Sample Description: ATTIC/DUCT INSULATION GRAY							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment	
			Fibrous	Non-Fibrous			
PLM	03/01/2016		Stop Positive (Not Analyzed)				
Client Sample ID: 022616-29A							Lab Sample ID: 031605318-0061
Sample Description: ROOM 9 BASEMENT/PIPE FITTING INSULATION							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment	
			Fibrous	Non-Fibrous			
PLM	03/01/2016	Gray/Tan	60%	32%	8% Chrysotile		
Client Sample ID: 022616-29B							Lab Sample ID: 031605318-0062
Sample Description: STORE ROOM BASEMENT/PIPE FITTING INSULATION							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment	
			Fibrous	Non-Fibrous			
PLM	03/01/2016		Stop Positive (Not Analyzed)				
Client Sample ID: 022616-29C							Lab Sample ID: 031605318-0063
Sample Description: BOILER ROOM/PIPE FITTING INSULATION							
TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment	
			Fibrous	Non-Fibrous			
PLM	03/01/2016		Stop Positive (Not Analyzed)				



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EMSL Order ID: 031605318
Customer ID: ATCE54
Customer PO: 16-10133-0001
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: 022616-30A Lab Sample ID: 031605318-0064

Sample Description: BOILER ROOM/CEILING PLASTER SKIM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	100%	None Detected	

Client Sample ID: 022616-30B Lab Sample ID: 031605318-0065

Sample Description: BOILER ROOM/CEILING PLASTER SKIM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	100%	None Detected	

Client Sample ID: 022616-30C Lab Sample ID: 031605318-0066

Sample Description: BOILER ROOM/CEILING PLASTER SKIM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	White	0%	100%	None Detected	

Client Sample ID: 022616-31A Lab Sample ID: 031605318-0067

Sample Description: BOILER ROOM/CEILING PLASTER BASE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-31B Lab Sample ID: 031605318-0068

Sample Description: BOILER ROOM/CEILING PLASTER BASE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-31C Lab Sample ID: 031605318-0069

Sample Description: BOILER ROOM/CEILING PLASTER BASE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-32A Lab Sample ID: 031605318-0070

Sample Description: B. ROOM STORAGE/CEMENTITIOUS CEILING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	

Client Sample ID: 022616-32B Lab Sample ID: 031605318-0071

Sample Description: B. ROOM STORAGE/CEMENTITIOUS CEILING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	100%	None Detected	



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EMSL Order ID: 031605318
Customer ID: ATCE54
Customer PO: 16-10133-0001
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: 022616-33A **Lab Sample ID:** 031605318-0072

Sample Description: BOILER ROOM/BOILER RIB CEMENT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	25%	75%	None Detected	

Client Sample ID: 022616-33B **Lab Sample ID:** 031605318-0073

Sample Description: BOILER ROOM/BOILER RIB CEMENT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	20%	80%	None Detected	

Client Sample ID: 022616-34A **Lab Sample ID:** 031605318-0074

Sample Description: BOILER ROOM/BOILER INSUALTION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Tan	60%	40%	None Detected	

Client Sample ID: 022616-34B **Lab Sample ID:** 031605318-0075

Sample Description: BOILER ROOM/BOILER INSUALTION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	60%	40%	None Detected	

Client Sample ID: 022616-35A **Lab Sample ID:** 031605318-0076

Sample Description: BOILER ROOM/BREECHING INSULATION

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	03/01/2016	Gray	0%	46%	54% Chrysotile	



EMSL Analytical, Inc.

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http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order ID: 031605318
Customer ID: ATCE54
Customer PO: 16-10133-0001
Project ID:

Attn: ATC Group Services LLC
290 Roberts Street
Suite 301
East Hartford, CT 06108
Phone: (860) 282-9924
Fax: (860) 282-9826
Collected: 2/26/2016
Received: 2/27/2016
Analyzed: 3/03/2016
Proj: 0594416002PH1/ TOWN OF SUFFIELD/ BRIDGE ST. SCHOOL/ 90 BRIDGE ST. SUFFIELD, CT

The samples in this report were submitted for asbestos bulk analysis. The reference number for these samples is the Order ID above. Please use this reference number when calling about these samples.

Sample Receipt Date: 02/27/2016
Analysis Completed Date: 03/03/2016

Sample Receipt Time: 10:55 am
Analysis Completed Time: 6:50 am

Analyst(s):

Kamel Alawawda PLM (21)

Sean Scales TEM Grav. Reduction (3)

Shahrakur Mahmud PLM (43)

Yolanda Chow PLM (1)

Reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

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



BULK SAMPLE LOG

031605318

Page 1 of 5

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: S. STELAC Client Name: Town of Suffield
 Accreditation No.: 00493 Project No./Task No.: 05944/6002 PH 1
 Survey Date: 2-26-14 Project Manager: E.F. Johnson
 Signature: S. Stelac Requested Completion Date: _____
 Lab Name: EMSL Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected: 16
 Building: BRIDGE ST SCHOOL Address: BRIDGE ST, SUFFIELD CT

Location	Material Description	Type TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
ROOM 1	PLASTER SEARCH COAT	S		N		1	022616-1A
RM 2	↓	S		N		2	-1B
RM 4	↓	S		N		3	-1C
BOYS RM	CEILING PLASTER SKIM CO	S		N		1	022616-2A
RM 4	↓	S		N		2	-2B
NURSES RM	↓	S		N		3	-2C
BOYS RM	CEIL. PLAST BASE C.	S		N		1	022616-3A
RM 4	↓	S		N		2	-3B
NURSES RM	↓	S		N		3	-3C
RM 1	WALL PLAST. SKIM CO	S		N		1	022616-4A
RM 4	↓	S		N		2	-4B
NURSES RM	↓	S		N		3	-4C
RM 1	WALL PLAST BASE C.	S		N		1	022616-5A
RM 4	↓	S		N		2	-5B
NURSES RM	↓	S		N		3	-5C
HALLS RM 3	ROUGH WALL PLASTER	S		N		1	022616-6A

Comments: ANALYZE BY PLM STAP / ST POS EACH GROUP.

Notes:
 Damage Factors: Physical (sig dmg-no dmg) Water (extensive-moderate-slight-none)
 Disturbance Factors: Proximity (<1ft-1-6ft->8ft) Accessibility (within reach-barely reachable-not reachable) Air egress (air plenum - air shaft - elevator shaft - gully)
 Relinquished By/Date: S. Stelac 2-26-14 Received By/Date: _____
 Relinquished By/Date: _____ Received By/Date: _____
 Friability (yes-no; hard-mod-soft surface) _____
 Barriers (perm airtight-enclosed-encapsulated) _____
 Texturing (rough-pitted-moderate-smooth) _____
 Signature: Sandra A. Reynolds 2/27/16

PK 8759 2147 294

3116 6:06 AM



031605318

Page 3 of 5

BULK SAMPLE LOG

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: 5.5 = E2AG Client Name: TOWN OF SUFFERED
 Accreditation No.: 00493 Project No./Task No.: 0594416002 ph 1
 Survey Date: 2.26.16 Project Manager: EF/S. JOHNSON
 Signature: [Signature] Requested Completion Date: _____
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR (48HR) 3 DY 5 DY No. Samples Collected 16
 Building: BRIDGE ST SCHOOL Address: 90 BRIDGE ST SUFFERED

Location	Material Description	Type		Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
		TSI	MISC				
ROOM 3	SINK PUTTY	M		N		1	022616-14A
ASMT HALL	12X12 WHITE FLOOR TILE	M		N		2	-14B
TEACH Rm	12X12 WHT FUR TILE MASTIC	M		N		1	022616-15A
Rm 9	9X9 GRAY FUR TILE	M		N		1	022616-16A
TEACH. Rm	9X9 FUR TILE MASTIC	M		N		2	-17B
Rm 9		M		N		1	022616-18A
Rm 9	BLACH BRD (CHALKBOARD)	M		N		2	-18B
BOYS Rm	2X4 SET WORKM	M		N		1	022616-19A
TEACH Rm	SHEET FLOORING	M		N		2	-19B
Rm 6		M		N		1	022616-20A
BOYS Rm	CERAMIC W/ TILE GROUT	M		N		2	-20B
NURSE Rm		M		N		1	022616-21A
		M		N		2	-21B
		M		N		1	022616-22A
		M		N		2	-22B

Comments: ANALYZE BY PLM STOP 1ST POS BY GROUP

Notes:
 Damage Factors: Physical (sig dmg-dmg-no dmg) Water (extensive-moderate-slight-none)
 Disturbance Factors: Proximity (<1ft-1-6ft->6ft) Accessibility (within reach-barely reachable-not reachable)
 Ventilation (yes-no, if yes, type) Air conduits (air plenum - air shaft - elevator shaft - duct)

Relinquished By/Date: S. Spelley 2.26.16 Received By/Date: _____
 Relinquished By/Date: _____ Received By/Date: _____

Effability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated)
 Test Log (rough-slight-moderate-smooth)
[Signature] 2/27/16 10:55am



031605318

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BULK SAMPLE LOG

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

Client Name: TOWN OF SUFFERFIELD
 Project No./Task No.: 05944/16002-ph 1
 Project Manager: SS/S. Johnson
 Requested Completion Date: _____

Cardno ATC Inspector: SSZELAB
 Accreditation No.: 00493
 Survey Date: 2-26-16
 Signature: SSZELAB

Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 16

Lab Name: SM SL Address: 90 BRIDGE ST SUFFERFIELD

Location	Material Description	Type S	TSI_MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample_of_ (homogeneous material)	Field Number
BOYS RM	CERAMIC W/ TREE SET COMP	M			N		1	022616-23A
NURSE RM	↓	M			N		2	-23B
BOYS RM	CER. FLRTIFE GROUT	M			N		1	022616-24A
GIRLS RM	↓	M			N		2	-24B
BOYS RM	CER. FLRTIFE SET COMP	M			N		1	022616-25A
GIRLS RM	↓	M			N		2	-25B
ATTIC	WIRE INSULATION ORIGINAL	M			N		1	022616-26A
SAFETY AREA	↓	M			N		2	-26B
RM 4	WOOD FLOOR UNDERLAY PAPER	M			N		1	022616-27A
ATTIC	↓	M			N		2	-27B
↓	DUCT INSULATION GAP	TS1			Y		1	022616-28A
↓	↓	↓			Y		2	-28B
RM 7 BSMT	PIPS FITTING INSUL.	TS1			Y		3	-28C
STORE RM BSMT	PIPS FITTING INSULATO	↓			Y		1	022616-29A
BOILER RM	↓	↓			Y		2	-29B
	↓	↓			Y		3	-29C

Comments: ANALYZES BY PLM STOP 1ST POS BY GROUP

Notes: _____

Damage Factors: _____

Disturbance Factors: _____

Relinquished By/Date: SS Johnson 2-26-16

Relinquished By/Date: _____

Received By/Date: Samuel J. Bradley 2/27/16 10:55am

Received By/Date: _____

Water (extensive-moderate-slight-none) _____

Accessibility (within reach-barely-reachable-not reachable) _____

Air conduits (air plenum - air shaft - elevator shaft - duct) _____

Physical (sig dmg-dmg-no dmg) _____

Proximity (<ft- 1-6ft- >6ft) _____

Ventilation (yes-no; if yes, type) _____

Deterioration (heavy-moderate-light-none) _____

Vibration (sym-music m-auditorium-mechanical m-elevator-other) _____

Air movement (high-moderate-low) _____

Frailability (yes-no; hard-mod-soft surface) _____

Barriers (perm airtight-enclosed-encapsulated) _____

Texture (rough-pitted/moderate-smooth) _____

S:\BldgSci\Admin\Templates and Forms\Asbestos\Asbestos Bulk Sample Form.doc



BULK SAMPLE LOG

031605318

Page 5 of 5

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

Client Name: TOWN OF SUFFERED
 Project No./Task No.: 0594416002241
 Project Manager: R.F./S. Johnson
 Requested Completion Date: _____

Requested turnaround time (circle): 3 HR 6 HR 24 HR 48 HR 3 DY 5 DY No. Samples Collected 13

Cardno ATC Inspector: S. Szeleca
 Accreditation No.: 00493
 Survey Date: 2-26-16
 Signature: S. Szeleca
 Lab Name: EMSL

Building: BRIDGE ST SCHOOL Address: 90 BRIDGE ST SUFFERED

Location	Material Description	Type		Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
		TSI	MISC					
BOILER RM	CEILING PLASTER SKM	S			Y		1	022616-30A
		S			Y		2	-30B
		S			Y		3	-30C
BOILER RM	CEIL. PLAST. BASE	S			N		1	022616-31A
		S			N		2	-31B
		S			N		3	-31C
B.R.M STORAGE	CEMENTATION CEILING	S			N		1	022616-32A
		S			N		2	-32B
BOILER RM	BOILER RIB CEMENT	TS1			Y		1	022616-33A
		TS1			Y		2	-33B
BOILER RM	BOILERS INSULATION	TS1			Y		1	022616-34A
		TS1			Y		2	-34B
BOILER RM	BREACHING INSULATION	TS1			Y		1	022616-35A
		TS1			Y		2	-35B

Comments: ANALYZE BY PCM STOP 1ST POS BY GROUP

Notes: Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft-1-6ft->6ft) Ventilation (yes-no; if yes, type) S. Szeleca 2-26-16

Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air plenum - air shaft - elevator shaft - duct)

Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)

Relinquished By/Date: _____ Received By/Date: _____

Relinquished By/Date: _____ Received By/Date: _____

Erability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth) Samuelte A. Johnson 2/27/16 10:55

Handwritten signature and date: 3/11/16



EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06
Tel/Fax: (203) 284-5948 / (203) 284-5978
<http://www.EMSL.com> / wallingfordlab@emsl.com

EMSL Order: 241600798
Customer ID: ATCE54
Customer PO: 16-10133-0001
Project ID:

Attention: Scott Johnson
ATC Group Services LLC
290 Roberts Street
East Hartford, CT 06108
Phone: (860) 282-9924
Fax: (860) 282-9826
Received Date: 03/04/2016 11:10 AM
Analysis Date: 03/04/2016
Collected Date: 03/03/2016
Project: 0594416002 PH1/BRIDGE ST SCHOOL, 90 BRIDGE ST SUFFIELD

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030316-1A <small>241600798-0001</small>	BOYS ROOM - CERAMIC WALL TILE GROUT	White Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
030316-1B <small>241600798-0002</small>	GRILS ROOM - CERAMIC WALL TILE GROUT	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
030316-2A <small>241600798-0003</small>	BOYS RM - GYPSUM WB JOINT COMP	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
030316-2B <small>241600798-0004</small>	BSMNT MECH STORAGE - GYPSUM WB JOINT COMP	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
030316-2C <small>241600798-0005</small>	EAST STAIRWELL - GYP WB JT COMP	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected

Gloria V. Oriol, Laboratory Manager
or Other Approved Signatory

Analyst(s)
Jeremy Patino (3)
Kristin Lopez (2)

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial Report From: 03/05/2016 17:18:37



EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06
Tel/Fax: (203) 284-5948 / (203) 284-5978
<http://www.EMSL.com/wallingfordlab@emsl.com>

EMSL Order: 241600767
Customer ID: ATCE54
Customer PO: 16-10133-0001
Project ID:

Attention: Scott Johnson
ATC Group Services LLC
290 Roberts Street
East Hartford, CT 06108
Phone: (860) 282-9924
Fax: (860) 282-9826
Received Date: 03/02/2016 9:40 AM
Analysis Date: 03/02/2016
Collected Date: 03/01/2016
Project: 0594416002/BRIDGE ST SCHOOL, BRIDGE ST SUFFIELD

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030116-1A 241600767-0001	Exterior rear bsmnt - wd wind caulk	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
030116-1B 241600767-0002	Exterior rear bsmnt - wd wind caulk				Stop Positive (Not Analyzed)
030116-2A 241600767-0003	Ext rear shed - wd wind glaze	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
030116-2B 241600767-0004	Ext rear shed - wd wind glaze	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
030116-2C 241600767-0005	Bsmnt stair - wd wind glaze	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
030116-3 241600767-0006	Ext brick - mortar	Gray Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 85% Non-fibrous (Other)	None Detected
030116-4 241600767-0007	Shed - fiber board	Gray Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
030116-5A 241600767-0008	Roof - vent caulk-pink	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
030116-5B 241600767-0009	Roof - vent caulk-pink	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
030116-6A 241600767-0010	Foundation - water proof tar	Black Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
030116-6B 241600767-0011	Foundation - water proof tar	Brown Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
030116-7A 241600767-0012	Slate roof - paper under lay	Black Fibrous Homogeneous	50% Cellulose 10% Synthetic	40% Non-fibrous (Other)	None Detected
030116-7B 241600767-0013	Slate roof - paper under lay	Black Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (Other)	None Detected
030116-8A 241600767-0014	Slate roof - slate tar	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
030116-8B 241600767-0015	Slate roof - slate tar				Stop Positive (Not Analyzed)
030116-9A 241600767-0016	Chimney - flashing tar	Black Non-Fibrous Homogeneous		88% Non-fibrous (Other)	12% Chrysotile

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EMSL Order: 241600767
Customer ID: ATCE54
Customer PO: 16-10133-0001
Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
030116-9B	Chim wall - flashing tar				Stop Positive (Not Analyzed)
<i>241600767-0017</i>					
030116-10A	Flat roof - flashing tar on wl	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
<i>241600767-0018</i>					
030116-10B	Flat roof - flashing tar on wl	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
<i>241600767-0019</i>					
030116-11A	Flat roof - top flashing wl	Black Non-Fibrous Homogeneous	5% Cellulose	87% Non-fibrous (Other)	8% Chrysotile
<i>241600767-0020</i>					
030116-11B	Flat roof - top flashing wl				Stop Positive (Not Analyzed)
<i>241600767-0021</i>					
030116-12A	Roof - mid flashing lay.	Black Fibrous Homogeneous	5% Cellulose	80% Non-fibrous (Other)	15% Chrysotile
<i>241600767-0022</i>					
030116-12B	Roof - mid flashing lay.				Stop Positive (Not Analyzed)
<i>241600767-0023</i>					
030116-13A	Roof - bot flashing lay.	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
<i>241600767-0024</i>					
030116-13B	Roof - bot flashing lay.	Black Fibrous Homogeneous	3% Cellulose 2% Synthetic	95% Non-fibrous (Other)	None Detected
<i>241600767-0025</i>					
030116-14A	Roof - shed flashing tar	Black Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
<i>241600767-0026</i>					
030116-14B	Roof - top roof flash. tar				Stop Positive (Not Analyzed)
<i>241600767-0027</i>					
030116-15A	Flat roofs - rolled roof top layer	Black Fibrous Homogeneous	12% Glass	88% Non-fibrous (Other)	None Detected
<i>241600767-0028</i>					
030116-15B	Flat roofs - rolled roof top lay	Black/Silver Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
<i>241600767-0029</i>					
030116-16	Flat rf - membrane 2nd lay	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
<i>241600767-0030</i>					
030116-17A	Flat rf - rosin paper- 3rd	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
<i>241600767-0031</i>					
030116-17B	Hi rf - rosin paper- 2nd	Brown/Black Fibrous Homogeneous	85% Cellulose <1% Glass	15% Non-fibrous (Other)	None Detected
<i>241600767-0032</i>					
030116-18A	Flat rf - tar paper- 4th lay	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
<i>241600767-0033</i>					
030116-18B	Hi rf - tar paper- 3rd lay	Black Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
<i>241600767-0034</i>					

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EMSL Order: 241600767
Customer ID: ATCE54
Customer PO: 16-10133-0001
Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type

Gloria V. Oriol, Laboratory Manager
or Other Approved Signatory

Analyst(s)

Jeremy Patino (5)
Lauren Brennan (4)
William Shedrawy (19)

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial Report From: 03/03/2016 09:17:01

241600767



BULK SAMPLE LOG

Page 1 of 2

290 Roberts Street, Suite 301
East Hartford, CT 06108
(860) 282-9924 Fax: (860) 282-9826

Cardno ATC Inspector: S. Johnson / S. Seerub Client Name: Town of Suffield
 Accreditation No.: 00493 Project No./Task No.: 0594416002
 Survey Date: 3-1-16 Project Manager: EF/S. Johnson
 Signature: S. Seerub Requested Completion Date: _____
 Lab Name: EMSL Requested turnaround time (circle) 3 HR 6 HR 24 HR 48 HR No. Samples Collected 19
 Building: BRIDGE ST SCHOOL Address: BRIDGES ST SUFFIELD

Location	Material Description	Type	TSI MISC	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Sample of (homogeneous material)	Field Number
EXTERIOR REAR	WOOD WIND CAULK	M			N		1	030116-1A
EXTERIOR REAR	WOOD WIND GLAZE	M			N		2	030116-1B
EXTERIOR REAR	WOOD WIND GLAZE	M			N		3	030116-2A
EXTERIOR REAR	WOOD WIND GLAZE	M			N		3	030116-2B
EXTERIOR REAR	WOOD WIND GLAZE	M			N		3	030116-2C
EXTERIOR REAR	MORTAR	M			N		1	030116-3
EXTERIOR REAR	FIBER BOARD	M			N		1	030116-4
ROOF	VENT CAULK - PRA	M			N		1	030116-5A
ROOF	VENT CAULK - PRA	M			N		2	030116-5B
FOUNDATION	WATER PROOF TAR	M			N		1	030116-6A
FOUNDATION	WATER PROOF TAR	M			N		2	030116-6B
SLATE ROOF	PAPERS UNDER LAY	M			N		1	030116-7A
SLATE ROOF	SLATE TAR	M			N		2	030116-7B
CHIMNEY	FLASHING TAR	M			N		1	030116-8A
CHIMNEY	FLASHING TAR	M			N		2	030116-8B
FLAT ROOF	FLASHING TAR	M			N		1	030116-9A
FLAT ROOF	FLASHING TAR	M			N		2	030116-9B
FLAT ROOF	FLASHING TAR	M			N		1	030116-10A
FLAT ROOF	FLASHING TAR	M			N		2	030116-10B

Comments: ANALYZE BY PLM STOP 1ST POS BY GROUP



Notes: _____
 Damage Factors: _____
 Disturbance Factors: _____
 Relinquished By/Date: S. Seerub 3-1-16
 Relinquished By/Date: _____

Physical (sig dimg-dimg-no dimg) _____
 Proximity (<1ft- 1-6ft- >6ft) _____
 Accessibility (within reach-barely reachable-not reachable) _____
 Air conduits (air plenum - air shaft - elevator shaft - duct) _____

Water (extensive-moderate-slight-none) _____
 Deterioration (heavy-moderate-light-none) _____
 Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) _____
 Air movement (high-moderate-low) _____

Friability (yes-no; hard-mod-soft surface) _____
 Barriers (perm airtight-enclosed-encapsulated) _____
 Texture (rough-pitted-moderate-smooth) _____

Received By/Date: _____
 Received By/Date: _____

Pg 2 of
 290 Roberts Street, Suite 301
 East Hartford, CT 06108
 (860) 282-9924 Fax: (860) 282-9826

241600767
 BULK SAMPLE LOG



Cardno ATC Inspector: J. Johnson / 552526A6
 Accreditation No.: 00493
 Survey Date: 03-1-16
 Signature: J. Johnson
 Client Name: Town of Suffield
 Project No./Task No.: 05944/6002
 Project Manager: E.F. Johnson
 Requested Completion Date: 15

Location	Material Description	Type	Estimated Quantity	Friable Y/N	Condition (SD D ND)	Possible Reason for Damage	Damage Potential (NPD PD PSD)	Sample of (homogeneous material)	Field Number
FLAT ROOF	TOP FLASHING TORNL	M		N				1	030116-11A
ROOF	MID FLASHING LAY.	M		N				2	030116-11B
ROOF	BGT FLASHING LAY.	M		N				1	030116-12A
ROOF	SHEED FLASHING TAR	M		N				2	030116-12B
FLASHES	TOP ROOF FLASH. TAR	M		N				1	030116-13A
ROOF	ROLLED ROOF TOP LAYER	M		N				2	030116-13B
FLAT HT	MEMBRANE AND CAS	M		N				1	030116-14A
FLAT HT	MEMBRANE AND CAS	M		N				2	030116-14B
HL REFR	FLAT HT MEMBRANE AND CAS	M		N				1	030116-15A
HL REFR	FLAT HT MEMBRANE AND CAS	M		N				2	030116-15B
FLAT HT	FLAT HT MEMBRANE AND CAS	M		N				1	030116-16A
FLAT HT	FLAT HT MEMBRANE AND CAS	M		N				2	030116-16B

RECEIVED
 MAR 02 2016
 BY: G. GILMAN

Comments (inaccessible areas, etc.): HALLWAY 2 E 134 PLM STOP 1ST FOS BY GROUP

Notes:
 Damage Factors: Physical (sig dmg-dmg-no dmg) Proximity (<1ft. -1.6ft. >6ft) Ventilation (yes-no; if yes, type)
 Disturbance Factors: Water (extensive-moderate-slight-none) Accessibility (within reach-barely reachable-not reachable) Air conduits (air shaft - elevator shaft - duct)
 Friability (yes-no; hard-mod-soft surface) Barriers (perm airtight-enclosed-encapsulated) Texture (rough-pitted-moderate-smooth)
 Deterioration (heavy-moderate-light-none) Vibration (gym-music rm-auditorium-mechanical rm-elevator-other) Air movement (high-moderate-low)
 Relinquished By/Date: S. Sperry 3-1-16
 Relinquished By/Date: Received By/Date: Received By/Date:

APPENDIX B
XRF Lead Testing Results

Address: Farmer Bridge St. School 90 Bridge St. Suffield CT

Paint Condition: (I)ntact, (D)amaged, (NC)No Coating Substrate Condition: (G)ood, (F)air, (P)oor
 Substrate = (M)etal, (W)ood, (P)laster, (D)rywall, (B)rick, (C)oncrete

1100

READING #	Side	Surface	XRF Result	Paint Condition	Substrate	Substrate Condition	Color	COMMENTS
1		CALIBRATION	1.1	I D NC	M W P D B C	G F P		
2			1.0	I D NC	M W P D B C	G F P		
3			1.0	I D NC	M W P D B C	G F P		
4	A	Wall	2.5	D D NC	M W P D B C	G F P	White	Run 1
5	B	Wall	0.2	D D NC	M W P D B C	G F P	White	
6	B	Base	0.0	D D NC	M W P D B C	G F P	White	
7	A	Window Sash	29.9	D D NC	M W P D B C	G F P	White	
8	B	" Sill	2.4	D D NC	M W P D B C	G F P	White	
9	A	" Frame	0.0	D D NC	M W P D B C	G F P		
10	D	Wall	2.6	D D NC	M W P D B C	G F P		Run 2
11	C	Wall Upper	1.0	D D NC	M W P D B C	G F P	Yellow	
12	C	Wall Lower	0.0	D D NC	M W P D B C	G F P	White	
13	B	Door	0.0	D D NC	M W P D B C	G F P	Blue	
14	B	Door Trim	0.0	D D NC	M W P D B C	G F P	Blue	
15	A	Ceramic Wall Tile	29.9	D D NC	M W P D B C	G F P	Blue	Bath Area
16		Ceramic Floor Tile	0.0	D D NC	M W P D B C	G F P	Grey	
17	A	Wall	0.0	D D NC	M W P D B C	G F P	White	
18	B	Wall	0.0	D D NC	M W P D B C	G F P		
19	C	Wall	0.0	D D NC	M W P D B C	G F P		
20		Stair	29.9	D D NC	M W P D B C	G F P		
21		Wrand	0.0	D D NC	M W P D B C	G F P		
22		Trunk	0.0	D D NC	M W P D B C	G F P		
23	A	Wall Upper	0.0	D D NC	M W P D B C	G F P	Tan	Hall
24	A	Wall Lower	3.5	D D NC	M W P D B C	G F P	Tan	
25	C	Wall Upper	0.0	D D NC	M W P D B C	G F P	Blue	
26	C	Wall Lower	4.2	D D NC	M W P D B C	G F P	Blue	
27		Ceiling	2.0	D D NC	M W P D B C	G F P	White	
28		Ceiling	2.1	D D NC	M W P D B C	G F P		
29		Substr. Wall	0.1	D D NC	M W P D B C	G F P		Main Stair
30	A	Wall Upper	0.0	D D NC	M W P D B C	G F P	Red	
31	A	Wall Lower	1.3	D D NC	M W P D B C	G F P	Red	
32		Riser	0.0	D D NC	M W P D B C	G F P	Blue	
33		Run	2.0	D D NC	M W P D B C	G F P	Blue	
34		Stringer	0.0	D D NC	M W P D B C	G F P	Blue	
35	D	Wall Lower	1.1	D D NC	M W P D B C	G F P	Tan	
36	A	Wall Lower	3.5	D D NC	M W P D B C	G F P	Tan	Run 4
37	A	Wall Upper	3.8	D D NC	M W P D B C	G F P	Tan	
38	D	Wall Lower	4.7	D D NC	M W P D B C	G F P	Blue	
39	B	Wall	0.0	D D NC	M W P D B C	G F P	White	
40		Floor	0.0	D D NC	M W P D B C	G F P	Brown Stain	
41	A	Wall	2.8	D D NC	M W P D B C	G F P	Tan	Run 3
42	B	Wall	3.5	D D NC	M W P D B C	G F P	Tan	
43	A	Window Sash	29.9	D D NC	M W P D B C	G F P	White	
44	A	Window Sill	5.8	D D NC	M W P D B C	G F P		
45	A	Window Frame	0.0	D D NC	M W P D B C	G F P		
46	C	Wall	0.0	D D NC	M W P D B C	G F P	Tan	
47	C	Trunkboard Trim	0.0	D D NC	M W P D B C	G F P	Tan	

SIGNATURE [Signature]

LICENSE# 02224

DATE 2/25/10

Address: Farmer Bridge St. School 90 Bridge St. Suffield, CT

Paint Condition: (H)Intact, (D)amaged, (NC)No Coating Substrate Condition: (G)ood, (F)air, (P)oor
 Substrate = (M)etal, (W)ood, (P)laster, (D)rywall, (B)rick, (C)oncrete

READING #	Side	Surface	XRF Result	Paint Condition	Substrate	Substrate Condition	Color	COMMENTS
48	D	Wall	3.5	D D NC	M W P D B C	G F P	Tan	Rm 4
49	A	Wall	4.1	D D NC	M W P D B C	G F P		
50	A	Wall - Closet	3.8	D D NC	M W P D B C	G F P		
51	B	Wall	5.2	D D NC	M W P D B C	G F P		
52	C	Wall	2.4	D D NC	M W P D B C	G F P		
53		Floor	0.0	D D NC	M W P D B C	G F P	Stained	
54	B	Radiators	0.0	D D NC	M W P D B C	G F P	White	
55	D	Base Trim	0.0	D D NC	M W P D B C	G F P	Tan	
56	C	Cabinets	0.0	D D NC	M W P D B C	G F P	Tan	
57	A	Door	0.0	D D NC	M W P D B C	G F P	White	Rm 5
58	A	Door Frame	0.0	D D NC	M W P D B C	G F P	White	
59	D	Wall	2.0	D D NC	M W P D B C	G F P	Tan	
60	D	Wall	2.8	D D NC	M W P D B C	G F P	Tan	
61	D	Bulletin Boards	0.0	D D NC	M W P D B C	G F P	Tan	
62	D	Bookshelves	0.0	D D NC	M W P D B C	G F P	Tan	
63	B	Wall	0.0	D D NC	M W P D B C	G F P	Tan	
64	B	Window Sill	0.0	D D NC	M W P D B C	G F P	Blue	
65	B	Door Trim	0.0	D D NC	M W P D B C	G F P	White	Hall
66	C	Wall Upper	0.1	D D NC	M W P D B C	G F P	Blue	
67	C	Wall Lower	2.5	D D NC	M W P D B C	G F P	Blue	
68	A	Door To Rm 4	0.0	D D NC	M W P D B C	G F P	Blue	
69	C	Radiators	0.0	D D NC	M W P D B C	G F P	Blue	
70	C	Water Fountain	29.9	D D NC	M W P D B C	G F P	White	
71	A	Wall	2.5	D D NC	M W P D B C	G F P	Yellow	Rm 8
72	D	Wall	0.0	D D NC	M W P D B C	G F P	Yellow	
73	D	Door Exterior	0.0	D D NC	M W P D B C	G F P	White	
74	B	Wall	2.3	D D NC	M W P D B C	G F P	Tan	Rm 9
75	B	Board	0.0	D D NC	M W P D B C	G F P	Tan	
76	B	Trim	0.0	D D NC	M W P D B C	G F P	Tan	
77	C	Wall Lower	2.4	D D NC	M W P D B C	G F P	Blue	Stair
78	C	Wall Upper	0.0	D D NC	M W P D B C	G F P	Blue	
79		Post for Railing	0.0	D D NC	M W P D B C	G F P	Black	
80		Wall - Brick	0.0	D D NC	M W P D B C	G F P	Yellow	Rm 9
81		CALIBRATION	1.1	I D NC	M W P D B C	G F P		
82		" "	1.0	I D NC	M W P D B C	G F P		
83	B	Wall Upper	8.8	D D NC	M W P D B C	G F P	Tan	Gate
84	B	Wall Lower	5.4	D D NC	M W P D B C	G F P	Tan	
85	D	Wall	0.0	D D NC	M W P D B C	G F P	Tan	
86	C	Wall	0.3	D D NC	M W P D B C	G F P	Tan	Washer
87	D	Wall	2.1	D D NC	M W P D B C	G F P	Tan	Storage 3
88	C	Cabinets	0.0	D D NC	M W P D B C	G F P	Blue	"
89	C	Wall	0.0	D D NC	M W P D B C	G F P	Tan	"
90		CALIBRATION	1.1	I D NC	M W P D B C	G F P		
91			1.0	I D NC	M W P D B C	G F P		
92			1.0	I D NC	M W P D B C	G F P		
				I D NC	M W P D B C	G F P		
				I D NC	M W P D B C	G F P		

1428
1450

SIGNATURE 

LICENSE# 002224

DATE 2/25/16

APPENDIX C

Historical Asbestos Sampling Results and Chain of Custody

1.0 INTRODUCTION

On November 11, 2004 EnviroScience Consultants, Inc.'s (EnviroScience's) Environmental Consultant, Michael Stewart and Environmental Technician, Jonathan Gentile, both State of Connecticut Licensed Asbestos and Lead Paint Inspectors, performed a hazardous materials survey of the former Bridge Street School, which is slated for renovation.

This inspection was performed in response to the planned renovation of the former Bridge Street School. The inspection consisted of a survey for asbestos containing materials (ACM), a screening of painted surfaces for lead, an evaluation of fluorescent light fixtures for PCB ballasts and light tubes for mercury, and testing for radon.

The interior and exterior of the building was inspected in accordance with EnviroScience's written proposal dated October 25, 2004. The building was inspected earlier for asbestos under the AHERA program by several companies. EnviroScience used the report of the 2002 survey (00-498.10BridgeSt) to avoid duplication of sampling.

2.0 ASBESTOS INSPECTION

During this inspection, suspect ACM were separated into three USEPA categories. These categories are: thermal system insulation (TSI), surfacing ACM, and miscellaneous ACM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded insulation on pipe fittings. Surfacing ACM includes all ACM that is sprayed, troweled, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles.

All suspect ACM were sampled with the exception of materials that had been previously analyzed. Confirmatory samples were taken of some previously sampled materials. Materials that were sampled were analyzed by Polarized Light Microscopy (PLM).

Finally, all ACM were quantified in linear and square footage, depending on the nature of the material. The asbestos content, quantities, and locations of ACM identified by bulk sample analysis are listed in Table 1 of the Results section.

2.1 Results

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

TABLE 1

LOCATION	MATERIAL TYPE	% ASBESTOS	QUANTITY	SAMPLE ID
INTERIOR				
1 st Floor Hallway	Black Mastic	5% Chrysotile	1,400 SF	11-11-MS-12
1 st Floor Hallway	White 12"x12"	Assumed -	1,400 SF	11-11-MS-13

LOCATION	MATERIAL TYPE	% ASBESTOS	QUANTITY	SAMPLE ID
	Floor Tile	Positive Mastic		
Basement – Room on Right	Yellow Mastic	5% Chrysotile	800 SF	11-11-MS-14
Basement Storage, Boiler Room, Crawl Space – Fiberglass Lines	Mudded Insulation on Pipe Fittings	35% Chrysotile	100 Each	11-11-MS-24
Classrooms	Pink Sink Undercoating	8% Chrysotile	6 Each	11-11-MS-25
Boiler Room	Flue Cement	8% Chrysotile	1 SF	11-11-MS-35
Boiler Room	End Cap Insulation	35% Chrysotile	20 SF	11-11-MS-37
Crawl Space	Pipe & Pipe Fitting Insulation		Undetermined	Brooks Laboratories
Basement – Left Room, Room 4, Kitchen,	9"x9" Floor Tile & Mastic		1,225 SF	Brooks Laboratories
Attic	Duct Insulation		1,260 SF	Brooks Laboratories

LOCATION	MATERIAL TYPE	% ASBESTOS	QUANTITY	SAMPLE ID
EXTERIOR				
Exterior – Wood Windows & Doors	Window/Door Caulk	5% Chrysotile	41 Windows & 3 Doors	11-11-MS-02A
Exterior – Metal Windows	Window Caulk	5% Chrysotile	7 windows	11-11-MS-04A
Exterior – Metal Doors	Door Caulk	8% Chrysotile	3 Doors	11-11-MS-06A

LF = Linear Feet, SF = Square Feet

Utilizing the USEPA protocol and criteria, the following materials were determined to be non-ACM:

TABLE 2

LOCATION	MATERIAL TYPE	SAMPLE ID
Exterior – Wood Windows	Window Glazing Compound	11-11-MS-01A,B
Exterior – Metal Windows	Window Glazing Compound	11-11-MS-03A,B
Exterior – Replacement Windows	Window Caulk	11-11-MS-05A,B
Classrooms	Carpet Glue	11-11-MS-07A,B
Classrooms – Under Wood	Flooring Paper	11-11-MS-08A,B

LOCATION	MATERIAL TYPE	SAMPLE ID
Floors		
Classrooms	Tackboard Adhesive	11-11-MS-09A,B
Room 2 & Library	12"x12" Wall Tile	11-11-MS-10A,B
Room 2 & Library	Wall Tile Mastic	11-11-MS-11A,B
Basement – Room on Right	White 12"x12" Floor Tile *	11-11-MS-15A,B
Throughout	Cove Base Mastic	11-11-MS-16A,B,C
1 st Floor	White Cove Base	11-11-MS-17A,B
Basement – Room on Left	Black 4" Cove Base	11-11-MS-18A,B
Basement – Room on Right	Black 6" Cove Base	11-11-MS-19A,B
Cafeteria & Basement – Room on Right	Glue Daubs	11-11-MS-20A,B,C
Cafeteria & Basement – Room on Right	1'x1' Ceiling tile	11-11-MS-21A,B
1 st Floor Bathrooms	Ceramic Wall Tile Mastic	11-11-MS-22A,B,C
1 st Floor Bathrooms	Ceramic Floor Tile Mastic	11-11-MS-23A,B
Room 7, Basement, Kitchen	Yellow Sink Undercoating	11-11-MS-26A,B
Library	Black Sink Undercoating	11-11-MS-27
Basement, Cafeteria	Sheetrock & Joint Compound	11-11-MS-28A,B,C
Basement, Cafeteria	Sheetrock	11-11-MS-29
Basement, Cafeteria	Joint Compound	11-11-MS-30
Throughout	Rough Coat Plaster	11-11-MS-31A,B,C,D,E,F,G
Throughout	Skim Coat Plaster	11-11-MS-32A,B,C,D,E,F,G
Teacher's Room	Striated 2'x4' Ceiling Tile	11-11-MS-33
Teacher's Room	Pinhole 2'x4' Ceiling Tile	11-11-MS-34
Boiler Room	Pipe Filler	11-11-MS-36
Boiler Room	Cement on Boiler	11-11-MS-38

Note: *To be disposed of as contaminated waste.

2.2 Discussion

The USEPA defines any material that contains greater than one percent (>1%) asbestos, utilizing PLM, as being an ACM. Materials that are identified as "none detected" are specified as not containing asbestos. At EnviroScience, materials that are identified as containing less than four percent (<4%) asbestos are analyzed further utilizing the "point-counting" technique to verify asbestos content. This policy is supported by USEPA requirements for "point-counting" confirmation of low level PLM results. The following samples were analyzed by point-counting based on initial PLM results of <4% asbestos.

SAMPLE ID	LOCATION	MATERIAL	% ASBESTOS	VERIFIED ACM
11-11-MS-01A	Exterior Wood Windows	Window Glazing Compound	<0.25 Chrysotile	No
11-11-MS-27	Library	Black Sink Undercoating	0.25 Chrysotile	No

2.3 Conclusion

All ACM identified in Section 2.1 (Table 1) must be removed by a State of Connecticut Licensed Asbestos Abatement Contractor prior to renovations within the building that will disturb known ACM. This is a requirement of the State of Connecticut Department of Public Health (CT DPH) Standards for Asbestos Abatement.

Any suspect material encountered during renovation/demolition that is not identified in this report as being non-ACM, should be assumed to be ACM unless sample results prove otherwise.

Please see Appendix I for the chain-of-custody and sample results.

3.0 LEAD-BASED PAINT SCREENING

A lead paint screen was performed at the 90 Bridge Street in Suffield, Connecticut by EnviroScience Consultants, Inc.'s Environmental Technician, Jonathan Gentile, a State of Connecticut licensed Lead Paint Inspector on November 11, 2004. A direct reading X-ray fluorescence (XRF) analyzer was used to perform the screening. The screen was conducted in accordance with the protocol outlined in the attached document: Testing Procedures and Equipment (Appendix III).

For the purpose of this screen, various interior and exterior components representing the initial painting history of the building and any building-wide repainting by the owners/managers of these building components were tested. Of course, individual repainting efforts are not discoverable in such a limited testing program. The purpose of this screen was to identify trends in the painting history of the building in order to determine if Toxicity Characteristic Leachate Procedure (TCLP) analysis was required.

The building was constructed with a brick siding exterior with wood and metal window and door systems. The interior is plaster walls with wood and concrete floors.



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 Project: 04-732.10 FORMER BRIDGE ST. SCHOOL

EMSL Proj:
 Analysis Date: 11/18/04
 Report Date: 11/18/04

Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-01A 040422853-0083	EXTERIOR- WOOD WINDOWS	White/Tan Non-Fibrous Heterogeneous		100.00% Non-fibrous (other)	<0.25% Chrysotile
11-11-MS-27 040422853-0084	LIBRARY	Black Non-Fibrous Homogeneous		99.75% Non-fibrous (other)	0.25% Chrysotile

Analyst(s)

Delores Beard (2)

or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAP unless otherwise noted.

Analysis performed by EMSL Test Lab (NVLAP #101048-0), NY ELAP 10872



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 Report Date: 11/18/04

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-01B 040422853-0002	EXTERIOR- WOOD WINDOWS	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-02A 040422853-0003	EXTERIOR- WOOD WINDOWS & DOORS	White/Tan Non-Fibrous Heterogeneous		95% Non-fibrous (other)	5% Chrysotile
11-11-MS-02B 040422853-0004	EXTERIOR- WOOD WINDOWS & DOORS				Not Analyzed
11-11-MS-03A 040422853-0005	EXTERIOR- METAL WINDOWS	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-03B 040422853-0006	EXTERIOR- METAL WINDOWS	Brown/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-04A 040422853-0007	EXTERIOR- METAL WINDOWS	White/Tan Fibrous Heterogeneous		95% Non-fibrous (other)	5% Chrysotile
11-11-MS-04B 040422853-0008	EXTERIOR- METAL WINDOWS				Not Analyzed

Analyst(s)

Delores Beard (80)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL has no responsibility for sample collection activities or analytical method limitations, interpretation and use of test results and the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.

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 Report Date: 11/18/04

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-05A 040422853-0009	EXTERIOR-REPLACEMENT WINDOWS	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-05B 040422853-0010	EXTERIOR-REPLACEMENT WINDOWS	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-08A 040422853-0011	EXTERIOR-METAL DOORS	White/Tan Fibrous Heterogeneous		92% Non-fibrous (other)	8% Chrysotile
11-11-MS-07A 040422853-0012	ROOM 1	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-07B 040422853-0013	ROOM 3	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-08A 040422853-0014	ROOM 8	Brown Fibrous Homogeneous	85% Cellulose 15% Synthetic		None Detected
11-11-MS-08B 040422853-0015	ROOM 8	Brown Fibrous Homogeneous	85% Cellulose 15% Synthetic		None Detected
11-11-MS-09A 040422853-0016	ROOM 1	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

DeJores Beard (80)

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 Report Date: 11/18/04

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-09B 040422853-0017	ROOM 5	White/Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-10A 040422853-0018	ROOM 2	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-10B 040422853-0019	ROOM 2	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-11A 040422853-0020	ROOM 2	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-11B 040422853-0021	ROOM 2	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-12A 040422853-0022	1ST FLOOR HALLWAY	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
11-11-MS-12B 040422853-0023	1ST FLOOR HALLWAY				Not Analyzed
11-11-MS-12C 040422853-0024	1ST FLOOR HALLWAY				Not Analyzed

Analyst(s)

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Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.
 Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872



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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-13A 040422853-0028	1ST FLOOR HALLWAY				Not Analyzed
11-11-MS-13B 040422853-0028	1ST FLOOR HALLWAY				Not Analyzed
11-11-MS-14A 040422853-0027	BASEMENT-RT ROOM	Gray/Black Non-Fibrous Heterogeneous		95% Non-fibrous (other)	5% Chrysotile
11-11-MS-14B 040422853-0028	BASEMENT-RT ROOM				Not Analyzed
11-11-MS-15A 040422853-0029	BASEMENT-RT ROOM	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-16B 040422853-0030	BASEMENT-RT ROOM	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-16A 040422853-0031	1ST FLOOR	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-16B 040422853-0032	BASEMENT- LEFT ROOM	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

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Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as 41% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-16C 040422853-0033	BASEMENT- RIGHT ROOM	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-17A 040422853-0034	1ST FLOOR	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-17B 040422853-0035	1ST FLOOR	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-18A 040422853-0036	BASEMENT- LEFT ROOM	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-18B 040422853-0037	BASEMENT- LEFT ROOM	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-19A 040422853-0038	BASEMENT- RIGHT ROOM	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-19B 040422853-0039	BASEMENT- RIGHT ROOM	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-20A 040422853-0040	CAFETERIA	Brown Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (80)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.
 Analysis performed by EMSL Westmont (HVLAP #101048-D), NY ELAP 10872



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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-20B 040422853-0041	CAFETERIA	Brown Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
11-11-MS-20C 040422853-0042	BASEMENT- RIGHT ROOM	Brown Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
11-11-MS-21A 040422853-0043	CAFETERIA	White/Brown Fibrous Heterogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
11-11-MS-21B 040422853-0044	CAFETERIA	White/Brown Fibrous Heterogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
11-11-MS-22A 040422853-0045	1ST FLOOR BATHROOMS	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-22B 040422853-0046	1ST FLOOR BATHROOMS	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-22C 040422853-0047	1ST FLOOR BATHROOMS	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-23A 040422853-0048	1ST FLOOR BATHROOMS	Black/Brown/Gray Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (80)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.
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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-23B 040422853-0049	1ST FLOOR BATHROOMS	Black/Brown/Gray Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
11-11-MS-24A 040422853-0050	BASEMENT STORAGE	Gray Fibrous Homogeneous		65% Non-fibrous (other)	35% Chrysotile
11-11-MS-24B 040422853-0051	BASEMENT STORAGE				Not Analyzed
11-11-MS-24C 040422853-0052	BOILER ROOM				Not Analyzed
11-11-MS-25A 040422853-0053	ROOM 1	Pink Fibrous Homogeneous		92% Non-fibrous (other)	8% Chrysotile
11-11-MS-25B 040422853-0054	ROOM 3				Not Analyzed
11-11-MS-26A 040422853-0055	ROOM 7	Cream Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
11-11-MS-26B 040422853-0056	BASEMENT	Cream Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (80)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection techniques or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.
 Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872



EMSL Analytical, Inc.

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 666-4800 Fax: (856) 858-4850 Email: sales@EMSL.com

Attn: **Mike Stewart**
EnviroScience Consultants, Inc.
 795 North Mountain Road
 Newington, CT 06111

Customer ID: ENV154
 Customer PO:
 Received: 11/17/04 10:47 AM
 EMSL Order: 040422853

Fax: (413) 647-0018 Phone: (302) 8 -
 Project: 04-732.10 FORMER BRIDGE ST. SCHOOL

EMSL Proj:
 Analysis Date: 11/18/04
 Report Date: 11/18/04

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-28A 040422853-0058	BASEMENT	White/Brown/Gray Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
11-11-MS-28B 040422853-0059	CAFETERIA	Tan/White/Brown Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
11-11-MS-28C 040422853-0060	CAFETERIA	Tan/White/Brown/ Gray Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
11-11-MS-29 040422853-0061	CAFETERIA	Brown/White Fibrous Heterogeneous	30% Cellulose 5% Glass	65% Non-fibrous (other)	None Detected
11-11-MS-30 040422853-0062	CAFETERIA	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-31A 040422853-0063	ROOM 1	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
11-11-MS-31B 040422853-0064	NURSE'S OFFICE	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
11-11-MS-31C 040422853-0065	MAIN OFFICE	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (80)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Sampling reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.
 Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872



EMSL Analytical, Inc.

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 868-4800 Fax: (856) 858-4860 Email: aslegal@EMSL.com

Attn: **Mike Stewart**
EnviroScience Consultants, Inc.
795 North Mountain Road
Newington, CT 06111

Fax: (413) 647-0018 Phone: (302) 8 -
 Project: 04-732.10 FORMER BRIDGE ST. SCHOOL

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 EMSL Proj:
 Analysis Date: 11/18/04
 Report Date: 11/18/04

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-31D 040422853-0068	ROOM 6	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
11-11-MS-31E 040422853-0067	ROOM 7	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
11-11-MS-31F 040422853-0069	BASEMENT- LEFT ROOM	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
11-11-MS-31G 040422853-0069	BASEMENT- RIGHT ROOM	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-32A 040422853-0070	ROOM 1	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-32B 040422853-0071	NURSE'S OFFICE	Brown/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-32C 040422853-0072	MAIN OFFICE	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-32D 040422853-0073	ROOM 6	Yellow/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Delares Beard (80)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.
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EMSL Analytical, Inc.

107 Haddon Ave., Westmont, NJ 08108

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Attn: **Mike Stewart**
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Newington, CT 06111

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 Project: 04-732.10 FORMER BRIDGE ST. SCHOOL

EMSL Proj:
 Analysis Date: 11/18/04
 Report Date: 11/18/04

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-32E 040422853-0074	ROOM 7	Yellow/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-32F 040422853-0075	BASEMENT- LEFT ROOM	Cream/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-32G 040422853-0076	BASEMENT- RIGHT ROOM	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-11-MS-33 040422853-0077	TEACHER'S ROOM	White/Brown Fibrous Heterogeneous	45% Cellulose 35% Min. Wool	20% Non-fibrous (other)	None Detected
11-11-MS-34 040422853-0078	TEACHER'S ROOM	White/Brown Fibrous Heterogeneous	45% Cellulose 35% Min. Wool	20% Non-fibrous (other)	None Detected
11-11-MS-36 040422853-0079	BOILER ROOM	White/Gray Fibrous Heterogeneous	30% Min. Wool	62% Non-fibrous (other)	8% Chrysotile
11-11-MS-36 040422853-0080	BOILER ROOM	Brown Fibrous Heterogeneous	5% Min. Wool	95% Non-fibrous (other)	None Detected
11-11-MS-37 040422853-0081	BOILER ROOM	Gray Fibrous Homogeneous		65% Non-fibrous (other)	35% Chrysotile

Analyst(s)

Dolores Beard (80)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NPLAC unless otherwise noted.
 Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10372



EMSL Analytical, Inc.

107 Haddon Ave., Westmont, NJ 08108

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Attn: Mike Stewart
EnviroScience Consultants, Inc.
795 North Mountain Road
Newington, CT 06111

Fax: (413) 647-0018 Phone: (302) 8 -
 Project: 04-732.10 FORMER BRIDGE ST. SCHOOL

Customer ID: ENVI54
 Customer PO:
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 EMSL Order: 040422853

EMSL Proj:
 Analysis Date: 11/18/04
 Report Date: 11/18/04

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-11-MS-38 040422853-0082	BOILER ROOM	Brown Fibrous Homogeneous	30% Min. Wool	70% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (80)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The test results contained within this report meet the requirements of NELAP unless otherwise noted.
 Analysis performed by EMSL Westmont (HVLAP #101049-0), NY ELAP 10872



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0410422855

8

SAMPLE LOG FOR ARBESTOS BULKS

Sheet No. 1 Of 9

Project Name: Farmer Bridge St. School

Project Number: 04-732/10

Building: Farmer Bridge St. School

Project Manager: CFO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-01A	Exterior Wood Windows	Window Glazing Compound	
11-11-MS-01B			
11-11-MS-01C			
11-11-MS-02A	+ Doors	Window+Door Caulks	
11-11-MS-02B			
11-11-MS-02C			
11-11-MS-03A	-Metal Windows	Window Glazing Compound	
11-11-MS-03B			
11-11-MS-03C			
11-11-MS-04A		Window Caulks	
11-11-MS-04B			
11-11-MS-04C			

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Analysis Method: PLM Other _____

Turnaround Time 24 Hour

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 11/18/04
Please call the EnviroScience Laboratory at 860-953-2700 if analyses will be late.

Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-647-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts.

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM

Samples Rec'd/Sent By: [MS II MS] Date: [11/16/04 II 11/16/04] Time: [AM II PM]

Samples Received By: [Signature] Date: [Signature] Time: _____

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Method of Shipment: Fed Ex. Fed Ex. Overnight UPS Ground Other _____

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet No. 2 Of 9

Project Name: Former Bridge St. School

Project Number: 04-232-10

Building: Former Bridge St. School

Project Manager: CEO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-05A	Exterior - Replacement Windows	Window Caulk	
11-11-MS-05B			
11-11-MS-05C			
11-11-MS-06A	-Metal Doors	Door Caulk	
11-11-MS-06B			
11-11-MS-06C			
11-11-MS-07A	Room 1	Carpet Glue	
11-11-MS-07B	Room 3		
11-11-MS-07C	Room 6		
11-11-MS-08A	Room 8	Flooring Paper	
11-11-MS-08B			
11-11-MS-08C			

Analysis Method: PLM Other _____

TURNAROUND TIME: 24 Hour
DATE: 11/18/04

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 11/18/04
Please call the EnviroScience Laboratory at 860-953-2700 if analyses will be late.

Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-647-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts.

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM
Samples Rec'd/Sent By: [MS II MS] Date: [11/16/04 II 11/16/04] Time: [AM II PM]
Samples Received By: _____ Date: _____ Time: _____

Shipped To: EMSL (Branch) NY Other _____

Method of Shipment: Fed Ex. Fed Ex. Overnight UPS Ground Other _____

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet No. 3 of 9

Project Name: Former Bridge St. School

Project Number: 04-232-10

Building: Former Bridge St. School

Project Manager: CEO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-09A	Room 1	Tack board glue	
11-11-MS-09B	Room 6	↓	
11-11-MS-09C	Room 7	↓	
11-11-MS-10A	Room 2	Wall Tile	
11-11-MS-10B	↓	↓	
11-11-MS-10C	Library	↓	
11-11-MS-11A	Room 2	Mastic w/ wall tile	
11-11-MS-11B	↓	↓	
11-11-MS-11C	Library	↓	
11-11-MS-12A	1st Floor Hallway	Black Mastic	
11-11-MS-12B	↓	↓	
11-11-MS-12C	↓	↓	

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NOV 17 2004

Analysis Method: PLM Other _____

Turnaround Time 24 Hour

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Please call the EnviroScience Laboratory at 860-953-2700 if analyses will be late.

Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-647-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts. Analyze 11 before 10. If 11 is positive, don't analyze 10

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM
Samples Rec'd/Sent By: [MS II MS] Date: [11/16/04] [11/16/04] Time: [AM II PM]
Samples Received By: _____ Date: _____ Time: _____

Shipped To: EMSL (Branch) MS Other _____

Method of Shipment: Fed Ex. Fed Ex. Overnight UPS Ground Other _____

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet No. 4 of 9

Project Name: Former Bridge St. School

Project Number: 04-732-10

Building: Former Bridge St. School

Project Manager: CEO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-13A	1st Floor Hallway	White 12x12 Floor Tile	
11-11-MS-13B			
11-11-MS-13C			
11-11-MS-14A	Basement - Rt. Room	Yellow Mastic	
11-11-MS-14B			
11-11-MS-14C			
11-11-MS-15A		White 12x12 Floor Tile	
11-11-MS-15B			
11-11-MS-15C			
11-11-MS-16A	1st Floor	Cove Base Mastic	
11-11-MS-16B	Basement - Left Room		
11-11-MS-16C	Basement - Right Room		

Analysis Method: PLM Other _____

Turnaround Time 24 Hour

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 11/18/04
Please call the EnviroScience Laboratory at 860-953-2700 if analyses will be late.

Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-847-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts. If any positive, do not analyze.

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM
Samples Rec'd/Sent By: [MS II MS] Date: [11/16/04 II 11/16/04] Time: [AM II PM]
Samples Received By: _____ Date: _____ Time: _____

Shipped To: EMSL (Branch) NY Other _____

Method of Shipment: Fed Ex. Fed Ex. Overnight UPS Ground Other _____

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet No. 5 of 9

Project Name: Farmer Bridge St. School

Project Number: 04-732-10

Building: Farmer Bridge St. School

Project Manager: CFO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-17A	1st Floor	White Cove Base	
11-11-MS-17B			
11-11-MS-17C			
11-11-MS-18A	Basement - Left Room	Black 4" cove base	
11-11-MS-18B			
11-11-MS-18C			
11-11-MS-19A	- Right Room	Black 6" cove base	
11-11-MS-19B			
11-11-MS-19C			
11-11-MS-20A	Refeteria	Glue Dubs	
11-11-MS-20B			
11-11-MS-20C	Basement - Right Room		

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Analysis Method: PLM Other _____

Turnaround Time 24 Hour

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Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-647-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts. If 15 is positive, do not analyze 16, 17, or 18

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM
Samples Rec'd/Sent By: [MS] [MS] Date: [11/16/04] [11/16/04] Time: [AM] [PM]
Samples Received By: _____ Date: _____ Time: _____

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet No. 6 of 9

Project Name: Farmer Bridge St. School

Project Number: 04-732-10

Building: Farmer Bridge St. School

Project Manager: CFO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-21A	Cafeteria	IXI Ceiling Tile	
11-11-MS-21B	↓	↓	
11-11-MS-21C	Basement - Light Room	↓	
11-11-MS-22A	1st Floor Bathrooms	Ceramic Wall Tile Mastic	
11-11-MS-22B	↓	↓	
11-11-MS-22C	↓	↓	
11-11-MS-23A	↓	Ceramic Floor Tile Mastic Paper	
11-11-MS-23B	↓	↓	
11-11-MS-23C	↓	↓	
11-11-MS-24A	Basement Storage	Mudded Insulation on Pipe/Walls - Fiberglass Mats	
11-11-MS-24B	↓	↓	
11-11-MS-24C	Boiler Room	↓	

REC'D
 N.J.
 WESTFORD
 LINDA HO

Analysis Method: PLM Other _____

Turnaround Time 24 Hour

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Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-647-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts. If so is positive, do not analyze 21

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM

Samples Rec'd/Sent By: [MS] [MS] Date: [11/16/04] [11/16/04] Time: [AM] [PM]

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SAMPLE LOG FOR ASBESTOS BULKLS

Sheet No. 7 of 9

Project Name: Farmer Bridge St. School

Project Number: 04-73210

Building: Farmer Bridge St. School

Project Manager: CFO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-25A	Room 1	Pink Sink Undercoat	
11-11-MS-25B	Room 3		
11-11-MS-25C	Room 6	 	
11-11-MS-26A	Room 2	Yellow Sink Undercoat	
11-11-MS-26B	Basement		
11-11-MS-26C	Kitchen	 	
11-11-MS-27	Library	Black Sink Undercoat	
11-11-MS-28A	Basement	Sheetrock Joint Compound	
11-11-MS-28B	Cafeteria		
11-11-MS-28C			
11-11-MS-29		Sheetrock	
11-11-MS-30		Joint Compound	

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Analysis Method: PLM Other _____

Turnaround Time: 24 Hour

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Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-647-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts.

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM
Samples Rec'd/Sent By: [MS II MS] Date: [11/16/04 II 11/16/04] Time: [AM II PM]
Samples Received By: _____ Date: _____ Time: _____

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet No. 8 of 9

Project Name: Former Bridge St. School

Project Number: 04-232/10

Building: Former Bridge St. School

Project Manager: CEO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-31A	Room 1	Rough Coat Plaster	
11-11-MS-31B	Nurses Office		
11-11-MS-31C	Main Office		
11-11-MS-31D	Room 6		
11-11-MS-31E	Room 7		
11-11-MS-31F	Basement-Left Room		
11-11-MS-31G	Right Room		
11-11-MS-32A	Room 1	Shim Coat Plaster	
11-11-MS-32B	Nurses Office		
11-11-MS-32C	Main Office		
11-11-MS-32D	Rooms		
11-11-MS-32E	Room 7		

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Analysis Method: PLM Other _____

Turnaround Time 24 Hour

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Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-647-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts. If 31 is positive, do not analyze 32.

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM
Samples Rec'd/Sent By: MS II MS Date: 11/16/04 11/16/04 Time: AM PM
Samples Received By: _____ Date: _____ Time: _____

Shipped To: EMSL (Branch) MS Other _____

Method of Shipment: Fed Ex. Fed Ex. Overnight UPS Ground Other _____



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SAMPLE LOG FOR ASBESTOS BULKS

Sheet No. 9 of 9

Project Name: Farmer Bridge St. School

Project Number: 04-232-10

Building: Farmer Bridge St. School

Project Manager: CFO

Sample ID Number	Sample Location	Material Type	Result (%)
11-11-MS-32F	Basement-Left Room	Shim Cast Plaster	
11-11-MS-32G	L - Right Room	L	
11-11-MS-33	Teachers Room	Striated 2x4 Ceiling Tile	
11-11-MS-34	L	Pinhole 2x4 Ceiling Tile	
11-11-MS-35	Boiler Room	Flue Cement	
11-11-MS-36	L	Pipe Filler	
11-11-MS-37	L	End Cap Insulation	
11-11-MS-38	L	Cement on Boiler	
11-11-MS-			

RECEIVED
ENVIRONMENTAL
LABORATORY
NOV 17 AM 10:34
TURNAROUND TIME 24 Hour

Analysis Method: PLM Other _____

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 11/18/04
Please call the EnviroScience Laboratory at 860-953-2700 if analyses will be late.

Fax Results To: EnviroScience Consultants Inc. Laboratory at 413-647-0018

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content < 4%, positive stop on all point counts.

Samples Collected By: Mike Stewart Date: 11/11/04 Time: AM/PM
Samples Rec'd/Sent By: [MS II MS] Date: [11/16/04 II 11/16/04] Time: [AM II PM]
Samples Received By: _____ Date: _____ Time: _____

Shipped To: EMSL (Branch) NT Other _____

Method of Shipment: Fed Ex Fed Ex Overnight UPS Ground Other _____

APPENDIX D
Asbestos Location Drawing

APPENDIX E
Asbestos Abatement Cost Estimate

**TOWN OF SUFFIELD
FORMER BRIDGE STREET SCHOOL
90 BRIDGE STREET
SUFFIELD, CT 06078
ASBESTOS ABATEMENT COST ESTIMATE**

Item Description	Quantity	Unit	Prevailing Wage Unit Cost	Subtotal Cost
ASBESTOS ABATEMENT				
Interior				
Floor Tile & Associated Mastic	4,770	SF	\$24.00	\$114,480
Mudded Fittings	200	EA	\$60.00	\$12,000
Pipe Insulation	1,000	LF	\$60.00	\$60,000
Duct Insulation	3,360	SF	\$60.00	\$201,600
Breeching Insulation	100	SF	\$75.00	\$7,500
Flue Cement	2	SF	\$60.00	\$120
Sink Undercoating/Putty	8	EA	\$30.00	\$240
Door Glazing	13	EA	\$45.00	\$585
Joint Compound - Tan	2,000	SF	\$12.00	\$24,000
Contaminated Dirt (Crawlspace)	8,000	CF	\$75.00	\$600,000
Exterior				
Flat Roof Flashing w/Tar	300	LF	\$30.00	\$9,000
Slate Roof Tar	10,000	SF	\$36.00	\$360,000
Window Caulk	1,100	LF	\$30.00	\$33,000
Door Caulk	200	LF	\$30.00	\$6,000
SUBTOTAL ABATEMENT				\$1,428,525
Abatement				\$1,428,525
Full Time Consultant (20% Removal) - no lab cost				\$285,705
Contingency (20%)				\$285,705
TOTAL				\$1,999,935
PERFORMANCE BASED ABATEMENT ESTIMATE				\$2,000,000

APPENDIX F
ATC Inspector Certifications

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

STANLEY SZELAG

CERTIFICATE NO.
000493

CURRENT THROUGH
01/31/17
VALIDATION NO.
03-372675

Stanley Szelag
SIGNATURE

Raulino
ACTING COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Stanley J. Szelag

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

conducted by

**Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070**

Marc Soutra

Principal Instructor: Marc Soutra

April 16, 2015

Date of Course

April 16, 2016

Expiration Date

Gregory Morsch

Regional Training Manager, Gregory Morsch

SIAR-5154

Certificate Number

April 16, 2015

Examination Date

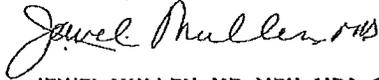
Dear SCOTT J JOHNSON,

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
oplcdph@ct.gov
www.ct.gov/dph/license

Sincerely,



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

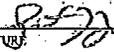
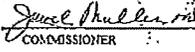
EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
SCOTT J JOHNSON

VALIDATION NO. 03-286881	CERTIFICATE NO. 000297	CURRENT THROUGH 09/30/16
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PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

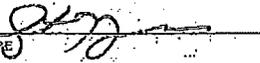
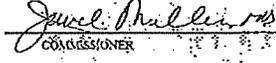
SIGNATURE  COMMISSIONER 

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-INSP/MGMT PLANNER

SCOTT J JOHNSON

CERTIFICATE NO. 000297
CURRENT THROUGH 09/30/16
VALIDATION NO. 03-286881

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.

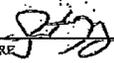
WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
SCOTT J JOHNSON

VALIDATION NO. 03-286881	CERTIFICATE NO. 000297	CURRENT THROUGH 09/30/16
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PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

SIGNATURE  COMMISSIONER 

CERTIFICATE OF ACHIEVEMENT

This certifies that

Scott Johnson

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

conducted by

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


Principal Instructor: Thomas Dion

October 15, 2015

Date of Course

October 15, 2016

Expiration Date


Regional Training Manager: Gregory Morsch

SLAR-5258

Certificate Number

October 15, 2015

Examination Date

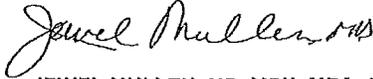
Dear SCOTT J. JOHNSON,

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

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

Sincerely,



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

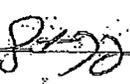
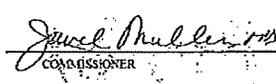
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
LEAD INSPECTOR RISK ASSESSOR

SCOTT J. JOHNSON

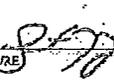
CERTIFICATE NO.
002224

CURRENT THROUGH
09/30/16

VALIDATION NO.
03-286591

SIGNATURE  COMMISSIONER 

EMPLOYER'S COPY
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
SCOTT J. JOHNSON
VALIDATION NO. 03-286591
CERTIFICATE NO. 002224
CURRENT THROUGH 09/30/16
PROFESSION
LEAD INSPECTOR RISK ASSESSOR

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
SCOTT J. JOHNSON
VALIDATION NO. 03-286591
CERTIFICATE NO. 002224
CURRENT THROUGH 09/30/16
PROFESSION
LEAD INSPECTOR RISK ASSESSOR

SIGNATURE  COMMISSIONER 

CERTIFICATE OF ACHIEVEMENT

This certifies that

Scott Johnson

33 McDonald St, Torrington, CT 06790
000-00-1463

has successfully completed the

INSPECTOR RISK ASSESSOR REFRESHER

Training Course

conducted by
Cardno ATC

73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Mark B. Spald

Principal Instructor:

September 30, 2015
Date of Course

CTLRAR-401
Certificate Number

September 30, 2015
Exam Date

September 30, 2016
Expiration Date

Gregory Mosach

Regional Training Director

*Training received complies with the requirements of the
Connecticut Department of Public Health pursuant to Section 20-477 of the Connecticut General Statutes.*