Three-Year Asbestos Hazard Emergency Response Act Re-Inspection and Management Plan Update

for

James F. Peebles Elementary School
70 Trowbridge Road
Bourne, Massachusetts

For Compliance with
Commonwealth of Massachusetts Department of Labor Standards (MADLS)
Asbestos Containing Materials in Schools Regulation (453 CMR 6.00)
and
EPA Asbestos Hazard Emergency Response Act
(Title 40 CFR, Part 763, Subpart E)

Bourne Public Schools

Bourne, Massachusetts

December 2017

Fuss & O'Neill EnviroScience, LLC
108 Myrtle Street, Suite 502
Quincy, MA 02171

Project Number: 20121141.C3E

FUSS & O'NEILL
EnviroScience, LLC

February 19, 2017

Mr. Jordan Geist
Interim Business Director
Bourne Public Schools
36 Sandwich Road
Bourne, MA 02532

RE: Three-Year AHERA Re-Inspection and Management Plan Update
James F. Peebles Elementary School
70 Trowbridge Road, Bourne, MA
Fuss & O'Neill EnviroScience Project No. 20121141.C3E

Dear Mr. Geist:

Enclosed is the Three-Year AHERA Re-Inspection and Management Plan Update report prepared by Fuss & O'Neill EnviroScience, LLC for the James F. Peebles Elementary School located at 70 Trowbridge Road in Bourne, Massachusetts (the "Site"). AHERA services were performed for Bourne Public Schools (the "Client").

This report is an important document that must be kept on file at the school and at a central location where the Asbestos Management Plans are maintained.

If you should have any questions regarding this report, please do not hesitate to contact me. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Dustin A. Diedricksen
Senior Project Manager

DD/so

Enclosure

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1 Introduction

1.1 Background

The Clean Air Act required the United States Environmental Protection Agency (EPA) to develop standards to address the potential health risks associated with adverse effects of asbestos exposure as an indoor contaminant. In October 1986, the EPA promulgated the Asbestos Hazard Emergency Response Act (AHERA) located at Title 40 CFR, Part 763, Subpart E.

The AHERA regulations require that local education agencies (LEA) conduct inspections of each school building that they lease, own, or otherwise use as a school building to identify friable (easily crumbled or crushed to powder by hand pressure) and non-friable asbestos-containing building materials (ACBM) locations. The original inspections were required to have been completed prior to October 12, 1988.

AHERA also requires that any building leased or acquired on or after October 12, 1988, which is to be used as a school building, shall be inspected for friable and non-friable ACBM prior to use as a school building. In the event of an emergency use of a building that has not been inspected for ACBM, the building shall be inspected within 30 days after commencement of such use.

The regulatory requirements remain in effect for a private or public school system, a church-affiliated school of any denomination, a school dedicated to the education of children with special needs, or a charter school. In the Commonwealth of Massachusetts, the Department of Labor Standards (MADLS) is responsible for AHERA regulation enforcement.

1.2 Local Education Agency (LEA) Responsibilities

The LEA is responsible for compliance with the AHERA regulation. The following responsibilities must be followed:

1. The LEA must designate a person to ensure that all AHERA requirements are properly implemented. The LEA's Designated Person must receive adequate training to perform their duties.

2. The LEA must ensure that the Asbestos Management Plans (AMP) are maintained in a central location and at each facility; these AMP and pertinent documentation shall be available for inspection or review at all times.

3. The LEA must inform all workers, building occupants, and legal representatives (as appropriate) in writing at least once per school year about asbestos-related activities and the availability of the AMP for each school building.

4. The LEA must ensure proper accreditation for all persons who perform asbestos inspections, asbestos re-inspections, AMP development/updates, Asbestos Work Plan (AWP) development, and response actions that may disturb asbestos; this includes operations and maintenance (O&M) activities.

5. The LEA must provide training for all custodial and maintenance staff who regularly perform building maintenance where ACBM are present. The training must be provided upon initial hire, and refresher training must be completed annually.

6. The LEA must provide information (disclosure) to any workers who may perform work and may come into contact with asbestos in school buildings where ACBM or presumed ACBM are present.

7. The LEA must ensure that known ACBM or presumed ACBM are provided with warning labels in routine maintenance areas.

8. The LEA must ensure that periodic surveillance is performed at least once every six months, after AMP implementation, in all school buildings that it leases, owns, or otherwise uses that contains ACBM or presumed ACBM.

9. The LEA must ensure that once every three years, after an AMP is implemented, a re-inspection is performed at each school building that it leases owns or otherwise uses that contains ACBM or presumed ACBM.

Refer to above-mentioned regulation for full requirements and responsibilities.

1.3 Key Personnel

A. Local Education Agency (LEA):

LEA:	Bourne Public Schools
Address:	36 Sandwich Road
	Bourne, MA 02532
Phone:	(508) 759-0660

B. Designated Person:

Designated Person:	Mr. Jordan Geist
	Interim Business Director
Address:	36 Sandwich Road
	Bourne, Massachusetts 02532
Phone:	(508) 759-0660

C. Asbestos Consultant:

Firm:	Fuss & O'Neill EnviroScience, LLC
Address:	108 Myrtle Street, Suite 502
	Quincy, MA 02171
Phone:	(617) 282-4675

D. Asbestos Inspector:

Inspector:	Robert Mallett
MADLS Certification Number:	AI900557
Expiration Date:	06/01/2018

E. Asbestos Management Planner:

Planner:	Dustin Diedricksen
MADLS Certification Number:	AP900425
Expiration Date:	04/05/2018

2 Building and Mechanical System Description

The James F. Peebles Elementary School is a two-story, concrete and masonry structure reportedly constructed in 1953. A two-story addition was added to the rear of the building in 1961. Interior finishes include, ceiling and wall plaster, concrete masonry (CMU) walls, acoustical ceiling tile, and resilient floor coverings.

A single H.B. Smith gas-fired, hot-water boiler provides the building's heat via a closed-loop system through several crawlspaces to perimeter unit ventilators throughout the school.

3 Three Year Re-Inspection

3.1 Re-Inspection Procedures

This Three-Year AHERA Re-Inspection was conducted in accordance with EPA requirements of the AHERA regulation, Title 40 CFR, Part 763, Section 763.85 (b).

On December 8, 2017, Fuss & O'Neill EnviroScience, LLC (EnviroScience) representative, Mr. Robert Mallett, performed the re-inspection.

During the re-inspection, EnviroScience conducted the following required tasks:

1. A visual re-inspection and reassessment of all known friable or assumed ACBM.

2. A visual re-inspection of ACBM that was previously considered non-friable to determine if the present condition of the material has become friable.

3. Identification and assessment of any newly-identified homogeneous area that contains friable ACBM since the last inspection or re-inspection.

4 Re-Inspection Report

4.1 Review of Existing Records

An important part of this AHERA re-inspection involved researching prior documentation that is required to be present at the school, as well as at the central recordkeeping location where AMP are stored.

Refer to *Appendix A* for the existing records checklist.

4.2 Re-Inspection Summary

The on-site portion of the re-inspection was documented on forms modeled after examples provided by the EPA and reviewed with the MADLS. The first form, **Re-Inspection Form 1**, identifies previous inspection data gathered during the initial AHERA inspection and subsequent re-inspection (refer to *Appendix B*). This form is useful to reference response actions (if any), which have been performed since the last inspection, as well as identifies the last known conditions of ACBM in the building. It additionally provides the inspector a "quick glance" reference when performing the re-inspection.

The second EPA form, **Re-Inspection Form 2**, is used to provide information and justification regarding re-assessment of the ACBM (refer to *Appendix C*). This form also provides response action recommendations, including a tentative schedule for completing response actions that recommend removal or repair.

No bulk samples were collected during this re-inspection.

Laboratory reports for samples collected from 2009 through December 2017 are included as *Appendix D*.

Using EPA protocol and criteria, the following materials existing in the James F. Peebles Elementary School at the time of this three-year re-inspection have been determined and/or assumed to be **ACBM**. Please refer to the above-mentioned re-inspection forms for specific locations of ACBM.

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EnviroScience, LLC

Table 1
Asbestos-Containing Building Materials (ACBM)
(Previous & Current Re-Inspections)

Material	Location	Reference	Asbestos Content
Original Building			
Friable TSI at Boiler Ribbing	Boiler Room	EnviroScience Sample Report April 2010 (Sample ID: 331DD-02A)	40% Chrysotile
White Friable TSI at Front Circular Panel	Boiler Room	EnviroScience Sample Report April 2010 (Sample ID: 331DD-07)	10% Chrysotile
Exterior Gaskets at Metal Fixed-Panels	Boiler Room	EnviroScience Sample Report April 2010 (Sample ID: 331DD-09A)	25% Chrysotile
Tan Corrugated Paper-Type Pipe Insulation	1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms & Storage Room across from Classroom 13	EnviroScience Sample Report July 2009 (Sample ID: 720JH-06A)	70% Chrysotile
Tan Corrugated Paper-Type Pipe Insulation	Concealed within Corridor Walls	EnviroScience Sample Report July 2009 (Sample ID: 720JH-06A)	70% Chrysotile
White Mudded Pipe-Fitting Insulation	1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms & Storage Room across from Classroom 13	EnviroScience Sample Report July 2009 (Sample ID: 720JH-07A)	15% Amosite 5% Chrysotile 12% Crocidolite
White Mudded Pipe-Fitting Insulation	Concealed within Corridor Walls	EnviroScience Sample Report July 2009 (Sample ID: 720JH-07A)	15% Amosite 5% Chrysotile 12% Crocidolite

Material	Location	Reference	Asbestos Content
White Ceiling Plaster Skim Coat	Basement Hallway (from Cafeteria to End of Hallway)	EnviroScience Sample Report July 2009 (Sample ID: 720JH-30A)	3% Chrysotile
White Ceiling Plaster Skim Coat	Classrooms 9 - 13	EnviroScience Sample Report July 2009 (Sample ID: 720JH-30A)	3% Chrysotile
White Ceiling Plaster Skim Coat	Storage Room across from Classroom 13	EnviroScience Sample Report July 2009 (Sample ID: 720JH-30A)	3% Chrysotile
White Ceiling Plaster Skim Coat	Cafeteria	EnviroScience Sample Report July 2009 (Sample ID: 720JH-30A)	3% Chrysotile
White Vibration Isolator	Attic & Stage	EnviroScience Sample Report July 2009 (Sample ID: 720JH-04B)	60% Chrysotile
Gray Fiber-Reinforced Cement Panel	Boiler Room Electrical Panel	Assumed ACBM	Assumed ACBM
9" x 9" Tan with Green Splotch Floor Tile	Music Room & beneath Carpet in Conference Room Area	Assumed ACBM*	Assumed ACBM*
9" x 9" Green with Streaks Floor Tile	Nurse's Office & Secretary's Office	Assumed ACBM*	Assumed ACBM*
9" x 9" Tan with Streaks Floor Tile	Stairwell to Attic & Stairwell from Attic Door to Cafeteria	Assumed ACBM*	Assumed ACBM*
9" x 9" Tan with Streaks Floor Tile	Main Office & Special Equipment Room	Assumed ACBM*	Assumed ACBM*
9" x 9" Tan with Streaks Floor Tile	Hallway from Main Office to Classroom 7	Assumed ACBM*	Assumed ACBM*
9" x 9" Dark Brown with Tan Splotch Floor Tile	Special Ed Office (End of 1st Floor Hallway)	Assumed ACBM*	Assumed ACBM*
9" x 9" Tan with Streaks Floor Tile	Southwest Stairwell (Landings & Stair Treads)	Assumed ACBM*	Assumed ACBM*

Material	Location	Reference	Asbestos Content
9" x 9" Tan with Streaks Floor Tile	Basement Hallway (from Cafeteria to Exit Door)	Assumed ACBM*	Assumed ACBM*
9" x 9" Tan with Streaks Floor Tile	Classroom 13	Assumed ACBM*	Assumed ACBM*
Annex			
Mudded Pipe-Fitting Insulation	Custodial Closet between Classrooms 16 & 19	Assumed ACBM	Assumed ACBM*
Mudded Pipe-Fitting Insulation	Custodial Closet between Classrooms 14 & 17	Assumed ACBM	Assumed ACBM*
Mudded Pipe-Fitting Insulation	Classrooms 17 & 23 Pipe Chase	Assumed ACBM	Assumed ACBM*
Mudded Pipe-Fitting Insulation	Classrooms 16 & 22 Pipe Chase	Assumed ACBM	Assumed ACBM*
Mudded Pipe-Fitting Insulation	Crawlspace	Assumed ACBM	Assumed ACBM*
9" x 9" Gray with Streaks Floor Tile	1st Floor Annex to Original Building Connector Hallway	Assumed ACBM*	Assumed ACBM*
9" x 9" Black with Streaks Floor Tile		Assumed ACBM*	Assumed ACBM*
9" x 9" Brown with Streaks Floor Tile	Classrooms: 14, 16, 17, 19, 20, 22, 23, & 25	Assumed ACBM*	Assumed ACBM*
9" x 9" Tan with Streaks Floor Tile		Assumed ACBM*	Assumed ACBM*
9" x 9" Gray with Streaks Floor Tile	Classrooms: 15, 18, 21, & 24; Library; Library Stair Treads & Landings; 1st & 2nd Floor Hallways: Rear Stairwell (Landings & Stair Treads); & Custodial Closets	Assumed ACBM*	Assumed ACBM*
9" x 9" Black with Streaks Floor Tile		Assumed ACBM*	Assumed ACBM*
White Vibration Isolator	Attic & Custodial Closet between Classrooms 16 & 19	Assumed ACBM*	Assumed ACBM*
Gray Fiber-Reinforced Cement Panel	Attic	Assumed ACBM*	Assumed ACBM*

*Denotes material type is identified as ACM/ACBM in the 1994 Three-Year AHERA Re-Inspection Report, which references results from the 1988 AHERA Initial Inspection Report. The 1988 Initial Inspection report is unavailable.

Using the EPA protocol, samples of the following suspect materials were collected and analyzed. The analytical results indicate that these materials are **non-ACBM**:

Table 2
Non-Asbestos-Containing Building Materials
(Previous & Current Re-Inspections)

Material	Location	Reference
Original Building		
White Hot Water Tank Insulation	Boiler Room	EnviroScience Sample Report July 2009 & April 2010 (Sample IDs: 720JH-01A – 01C & 331DD-04A – 04B)
White Boiler Breeching	Boiler Room	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-02A – 02C)
White Boiler Insulation	Boiler Room	EnviroScience Sample Report July 2009 & April 2010 (Sample IDs: 720JH-03A – 03C & 331DD-01A – 01C))
Gray Single-Coat Ceiling Plaster	Boiler Room	EnviroScience Sample Report March 2017 (Sample IDs: 09A – 09E-JH-0222)
Black Cove Base	Classrooms, Hallways, & Offices	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-08A – 08C)
Black Mastic Associated with Black Cove Base	Classrooms, Hallways, & Offices	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-09A – 09C)
Vinyl Window Sill/Radiator Covering	Classrooms	EnviroScience Sample Report July 2009 & August 2012 (Sample IDs: 720JH-10A – 10C & 827-NG-5 & 6)
1' x 1' White Pin Hole Ceiling Tile	1st Level Classrooms & Hallway	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-11A – 11C)
Dark Brown Mastic Associated with 1' x 1' Pin Hole Ceiling Tile	1st Level Classrooms & Hallway	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-12A – 12C)
Gray Gypsum Ceiling Board	1st Level Classrooms & Hallway	EnviroScience Sample Report November 2015 (Sample IDs: 12A & 12B-RCM-1026)

Material	Location	Reference
Black Mastic Associated with 9" x 9" Floor Tile	Classrooms, Hallways, and Offices	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-13A – 13C)
Black Mastic Associated with 12" x 12" Floor Tile	Classrooms, Hallways, and Offices	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-14A – 14C)
12" x 12" Blue/Gray with White Streak Floor Tile	Classrooms 1, 2, & 3	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-15A – 15C)
12" x 12" White/Yellow with Brown Floor Tile	Classroom 6	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-16A – 16C)
12" x 12" Tan with White Streak Floor Tile	Classrooms 1, 2, & 3	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-17A – 17C)
12" x 12" White with Brown & Blue Streak Floor Tile	Classroom 8	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-18A – 18C)
12" x 12" Red with Pink Streak Floor Tile	Classroom 4	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-19A – 19C)
12" x 12" Brown with Light Brown & Dark Brown Streak Floor Tile	Classroom 4	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-20A – 20C)
12" x 12" Gray with Brown Streak Floor Tile	Classrooms 9, 10, & 12	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-21A – 21C)
12" x 12" Tan with Brown Streak Floor Tile	Breezeway Between Classrooms 10 & 11	EnviroScience Sample Report August 2009 (Sample IDs: 720JH-22A – 22C)
12" x 12" Tan with Pink & Brown Streak Floor Tile	Classroom 12	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-23A – 23C)
12" x 12" Tan with Brown & White Streak Floor Tile	Classroom 11	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-24A – 24C)
12" x 12" Brown with Brown & White Streak Floor Tile	Classroom 11	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-25A – 25C)

Material	Location	Reference
12" x 12" Tan with Brown Streak Floor File	Classroom 9	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-26A – 26C)
24" x 24" Red with White Splotch Floor Tile	Classroom 7	EnviroScience Sample Report November 2015 (Sample IDs: 13A & 13B-RCM-1026)
24" x 24" Tan with White & Brown Splotch Floor Tile	Classroom 5	EnviroScience Sample Report November 2015 (Sample IDs: 14A & 14B-RCM-1026)
12" x 12" Dark Gray Mottled Floor Tile	Classroom 3	EnviroScience Sample Report November 2015 (Sample IDs: 15A & 15B-RCM-1026)
Gray Plaster Wall Rough Coat	Classrooms, Hallways, & Offices	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-27A – 27G)
White Plaster Wall Skim Coat	Classrooms, Hallways, & Offices	EnviroScience Sample Report July 2009 & November 2017 (Sample IDs: 720JH-28A – 28G & 02A – 02C-DD-1115)
Gray Plaster Wall Rough Coat	Boy's & Girl's Bathrooms	EnviroScience Sample Report August 2012 (Sample IDs: 720JH-27A – 27G)
White Plaster Wall Skim Coat	Boy's & Girl's Bathrooms	EnviroScience Sample Report August 2012 (Sample IDs: 720JH-27A – 27G)
White Smooth Plaster Ceiling Skim Coat	Boy's & Girl's Bathrooms	EnviroScience Sample Report August 2012 (Sample IDs: 821DD-06A – 06E)
Gray Plaster Ceiling Rough Coat	Boy's & Girl's Bathrooms	EnviroScience Sample Report August 2012 (Sample IDs: 821DD-07A – 07E)
White Plaster Wall Skim Coat (Window Surrounds)	Cafeteria & Kitchen	EnviroScience Sample Report August 2012 (Sample IDs: 817NG-01A – 01C & 821DD-04A – 04B)
Brown Plaster Wall Rough Coat (Window Surrounds)	Cafeteria & Kitchen	EnviroScience Sample Report August 2012 (Sample IDs: 817NG-02A – 02C & 821DD-05A – 05B)

Material	Location	Reference
Gray Plaster Ceiling Rough Coat	Classrooms, Hallways, & Offices	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-29A – 29G)
White Smooth Ceiling Plaster Skim Coat	Copy Room/Teacher's Lounge, Small Conference Room, & Music Room	EnviroScience Sample Report August 2012 (Sample IDs: 826DD-01A – 01E)
Gray Ceiling Plaster Skim Coat	Copy Room/Teacher's Lounge, Small Conference Room, & Music Room	EnviroScience Sample Report August 2012 (Sample IDs: 826DD-02A – 02E)
White Smooth Ceiling Plaster Skim Coat	Art Room, Kitchen, Kitchen Bathroom, & Kitchen Pantry	EnviroScience Sample Report August 2012 & July 2013 (Sample IDs: 821DD-01A – 01C; 718DD-01A – 01C; & 718DD-03A – 03E)
Gray Ceiling Plaster Skim Coat	Art Room, Kitchen, Kitchen Bathroom, & Kitchen Pantry	EnviroScience Sample Report August 2012 & July 2013 (Sample IDs: 821DD-02A – 02C; 718DD-01A – 01C; & 718DD-03A – 03E)
White Smooth Ceiling Plaster Skim Coat	Basement Stairwell Landing (Across from Classroom 13)	EnviroScience Sample Report December 2014 (Sample IDs: 01A – 01C-RCM-1205)
White Boiler Roping at Bottom Seams	Boiler Exterior (Underside)	EnviroScience Sample Report April 2010 (Sample IDs: 331DD-03A – 03C)
White Cloth Vibration Isolator	Boiler Duct	EnviroScience Sample Report July 2009 & April 2010 (Sample IDs: 720JH-04A & 331DD-08)
Boiler Debris	Boiler Interior	EnviroScience Sample Report April 2010 (Sample IDs: 331DD-12A – 12B)
Interior Boiler Brick	Boiler Interior	EnviroScience Sample Report April 2010 (Sample IDs: 331DD-14A – 14C)
Red Brick Boiler-Base (Solid Brick)	Boiler Base	EnviroScience Sample Report April 2010 (Sample IDs: 331DD-15A – 15C)
Orange Open-Brick Base Insert (Hollow Center)	Boiler Base (Center)	EnviroScience Sample Report April 2010 (Sample IDs: 331DD-16A – 16B)

Material	Location	Reference
Gray Textured Material	Main Entrance & Secondary Entrance Portico	EnviroScience Sample Report March 2017 (Sample IDs: 11A – 11C-JH-0222)
2' x 4' White/Gray Fissure & Dot Suspended Ceiling Tile	Main Lobby	EnviroScience Sample Report March 2017 (Sample IDs: 10A – 10B-JH-0222)
Annex		
1' x 1' White Fissured Splined Ceiling Tile	1st & 2nd Floor Connector Hallways & Classrooms	EnviroScience Sample Report November 2015 (Sample IDs: 27A & 27B-JH-0222)
White Ceiling Plaster Skim Coat	1st & 2nd Floor Bathrooms; & Hallway outside Classrooms 14 & 15	EnviroScience Sample Report August 2012 & November 2015 (Sample IDs: 33A – 33E-JH-0222 & 821DD-08A – 08E)
Gray Ceiling Plaster Rough Coat	1st & 2nd Floor Bathrooms; & Hallway outside Classrooms 14 & 15	EnviroScience Sample Report August 2012 & November 2015 (Sample IDs: 33A – 33E-JH-0222 & 821DD-09A – 09E)
Black Mastic Associated with 9" x 9" Floor Tile	Classrooms, Hallways, & Custodian Closets	EnviroScience Sample Report July 2009 (Sample IDs: 720JH-13A – 13C)

Mr. Dustin Diedricksen reviewed the information obtained during this re-inspection. Mr. Diedricksen is an EPA-accredited and MADLS-Certified Asbestos Management Planner.

4.3 Newly Identified or Re-sampled ACBM Materials

No new materials were identified during this re-inspection.

AHERA regulations pertain to interior identified or assumed ACBM and limited exterior ACBM. AHERA regulations do include ACBM located on exterior porticos, covered walkways, and mechanical equipment used to condition interior building air.

Any suspect material encountered during renovation/demolition/maintenance activities that is not specifically identified in the Asbestos Management Plan (AMP) as a non-ACM should be assumed to contain asbestos unless sample results indicate otherwise.

Safety Data Sheets (SDS) should be obtained and kept with the AHERA documentation for any newly installed materials in order to meet AHERA requirements. These SDS must demonstrate that asbestos-containing materials were not installed in the building. We recommend that SDS for newly installed materials be inserted into *Appendix E*.

4.4 Physical Assessment of ACBM

During inspection, suspect ACBM were separated into three EPA categories: Thermal System Insulation (TSI), Surfacing ACBM, and Miscellaneous ACBM. TSI includes all materials used to prevent heat loss/ gain or water condensation on mechanical systems. Examples of TSI are pipe and fitting insulations, boiler insulation, and duct insulation. Surfacing ACBM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous ACBM include all ACBM not listed in TSI or surfacing, such as sheet flooring, vinyl asbestos flooring, ceiling tiles, and construction mastics/adhesives.

Finally, ACBM were quantified in linear or square feet, depending on the nature of the material.

The ACBM identified during the inspection (and still remaining in the school) were re-assessed using the MADLS and AHERA guidelines for assessment of ACBM. The following assessment categories are listed:

1 Damaged or significantly damaged TSI ACM
2 Damaged friable surfacing ACM
3 Significantly damaged friable surfacing ACM
4 Damaged or significantly damaged friable miscellaneous ACM
5 ACBM with potential for damage
6 ACBM with potential for significant damage
7 Any remaining friable ACBM or friable suspected ACBM

Material locations, assessments, and recommended response actions are listed in the re-inspection forms.

5 Management Plan Update

5.1 Recommended Response Actions

Based on the inspection report, the physical walk-through inspection, and the existing ACBM conditions, the following response actions are recommended:

1. Removal – Not Applicable

2. Repair – White Ceiling Plaster @ Storage Room across from Classroom 13 (~10 SF)

3. Enclosure – Not Applicable

4. Encapsulation – Not Applicable

5. Operations and Maintenance (O & M) - All remaining ACBM

A successful O & M Program includes the following elements:

A. Cleaning: All areas of the school where friable ACBM or assumed friable ACBM are present should be cleaned at least once after completion of the initial inspection. Additional cleaning may be necessary if the Asbestos Management Planner makes a written recommendation indicating the methods and frequency of such cleaning.

B. O & M Activities: The LEA shall ensure that the procedures described below are followed to protect building occupants from O & M activities that may disturb known or assumed ACBM:

   1. Restrict entry into the area either by physically isolating or by scheduling.
   2. Post asbestos warning signs to prevent entry by unauthorized persons.
   3. Deactivate or temporarily shut off or divert the air-handling system to the area.
   4. Use proper work practices and engineering controls, such as wet methods, protective clothing, High Efficiency Particulate Air (HEPA) vacuums, mini-enclosures/glove bags, etc. to inhibit fiber migration.
   5. Place asbestos debris and other contaminated materials into a sealed, leak-tight container for disposal.

C. Minor Fiber Release Episode: The LEA shall ensure that the procedures described below are followed in the event of a minor fiber release episode (i.e., disturbance of less than or equal to 3 linear/square feet of friable ACBM):

   1. Saturate the debris using wet method.
   2. Place the debris in a sealed, leak-tight container and clean the area.
   3. Repair the area of damaged ACBM with materials such as asbestos-free spackling, plaster or insulation or seal with an encapsulant.

D. Major Fiber Release Episode: The LEA shall ensure that the procedures described below are followed in the event of a major fiber release episode (i.e., disturbance of greater than 3 linear/square feet of friable ACBM):

   1. Restrict entry into the area and post asbestos warning signs.
   2. Deactivate or temporarily shut off or divert the air handling system from the area to prevent fiber migration.
   3. The response action for any major fiber release episode must be prepared by EPA-accredited Asbestos Project Designers and conducted by EPA-accredited personnel.
   4. The LEA shall notify the MADLS of any major fiber release episode within twenty-four hours of its occurrence and, if necessary, provide written notification as required by applicable federal and/or state regulations.

5.2 Periodic Surveillance

At least once every six months after an AMP is implemented, the LEA will conduct periodic surveillance in the school that contains ACBM or assumed ACBM. The person conducting periodic surveillance will visually inspect all areas in the school where ACBM have been identified in the AMP, and record the date of surveillance, their name, and any changes in the ACBM condition; this information shall then be submitted to the LEA's Designated Person for inclusion in the AMP.

Refer to *Appendix F* for the Sample 6-Month Periodic Surveillance Form that may be used for conducting periodic surveillance.

5.3 Preventive Measures

The LEA shall institute appropriate preventive measures to eliminate the reasonable likelihood that ACBM will become damaged, deteriorated, and/or delaminated.

Refer to *Appendix G* for preventive measures designed for various types of ACBM that may exist in the school.

5.4 Abatement (Removal) Cost Estimates

Costs for abatement (removal) of all ACBM in the building are as follows:

Table 3
Abatement Cost Estimates

Material	Location	Estimated Quantity	Estimated Contractor Cost
Original Building			
Friable TSI at Boiler Ribbing	Boiler Room	2 EA	$20,000
White Friable TSI at Front Circular Panel			
Exterior Gaskets at Metal Fixed-Panels			
Tan Corrugated Paper-Type Pipe Insulation	1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms & Storage Room Across from Classroom 13	150 LF	$3,750
White Mudded Pipe-Fitting Insulation			
Tan Corrugated Paper-Type Pipe Insulation	Concealed within Corridor Walls	Unknown	$20-$25/LF

Material	Location	Estimated Quantity	Estimated Contractor Cost
White Mudded Pipe-Fitting Insulation	Concealed within Corridor Walls	Unknown	$20-$25/EA
White Ceiling Plaster Skim Coat	Basement Hallway, Cafeteria, Classrooms 9-13, & Storage Room across from Classroom 13	12,000 SF	$96,000
White Vibration Isolator	Attic & Stage	9 EA	$900
Gray Fiber-Reinforced Cement Panel	Boiler Room	300 SF	$3,000
9" x 9" Tan with Green Splotch Floor Tile	Music Room & beneath Carpet in Conference Room Area	500 SF	$2,000
9" x 9" Green with Streaks Floor Tile	Nurse's Office & Secretary's Office	350 SF	$1,000
9" x 9" Tan with Streaks Floor Tile	Stairwell to Attic, Stairwell from Attic Door to Cafeteria, Main Office, Special Equipment Room, Hallway from Main Office to Classroom 7, Southwest Stairwell (Landings & Stair Treads), Basement Hallway (from Cafeteria to Exit Door), & Classroom 13	3,000 SF	$12,000
9" x 9" Dark Brown with Tan Splotch Floor Tile	Special Ed Office (End of 1st Floor Hallway)	50 SF	$200
Annex			
Mudded Pipe-Fitting Insulation	Custodial Closet between Classrooms 16 & 19, Custodial Closet between Classrooms 14 & 17, Classrooms 17 & 23 Pipe Chase, & Classrooms 16 & 22 Pipe Chase	30 EA	$750
Mudded Pipe-Fitting Insulation	Crawlspace	Unknown	$20 -$25/EA
9" x 9" Gray with Streaks Floor Tile	1st Floor Annex to Original Building Connector Hallway, Classrooms: 15, 18, 21, & 24, Library, Library Stair Treads & Landings, 1st & 2nd Floor Hallways: Rear Stairwell (Landings & Stair Treads), & Custodial Closets	10,000 SF	$40,000
9" x 9" Black with Streaks Floor Tile			
9" x 9" Brown with Streaks Floor Tile	Classrooms: 14, 16, 17, 19, 20, 22, 23, & 25		
9" x 9" Tan with Streaks Floor Tile			
White Vibration Isolator	Attic & Custodial Closet between Classrooms 16 & 19	13 EA	$1,300

Material	Location	Estimated Quantity	Estimated Contractor Cost
Gray Fiber-Reinforced Cement Panel	Attic	400 SF	$4,000

EA=Each, LF=Linear Foot; SF=Square Foot

Asbestos training costs for custodial and maintenance workers (under O&M Program) are as follows:

Table 4
Asbestos Training Cost Estimates

Training Course	Estimated Cost
Two-Hour Asbestos Awareness Training (Annual)	$75/Person/Year
Asbestos Coordinator/LEA Designated Person Initial Training	$250/Person
Asbestos Coordinator/LEA Designated Person Annual Refresher Training	$200/Person/Year
Asbestos Operations & Maintenance Initial Training	$300/Person
Asbestos Operations & Maintenance Annual Refresher Training	$150/Person/Year
Three-Year Re-Inspection & AMP Update	$5,000 - $8,000

6 EPA Accreditation Requirements

EPA accreditations and MADLS Asbestos Inspector and Management Planner certifications for Mr. Mallett and Mr. Diedricksen are provided in *Appendix H*.

Report prepared by Environmental Technician, Robert Mallett.

Reviewed by:

Dustin A. Diedricksen
Senior Project Manager

Appendix A

Existing Records Checklist

FUSS & O'NEILL
EnviroScience, LLC

Existing Records Checklist

Local Education Agency (LEA): Bourne Public Schools
36 Sandwich Road
Bourne, MA 02532

School Building: James F. Peebles Elementary School

The following documentation is required to be present in both the LEA's office, as well as in a centralized location in the school administrative office. The information included in this checklist will be verified to be present and complete as part of three-year re-inspection.

DOCUMENTATION		LOCATION	
		School	LEA Office
1	Original AHERA Operations and Maintenance Plan/Inspection Report	No	No
2	Three Year Re-Inspection (First and All Subsequent Inspections)	No	1994, 1998, 2001, 2004, 2011, & 2014
3	Parents and Teachers Notifications (Annually Since Last Re-Inspection)	Yes (In Student Handbook & Website)	Yes (In Student Handbook & Website)
4	Designated Person Identification and Proper Training	Yes	Yes
5	Designated Person Periodic Surveillance (Once Every Six Months)	Yes	Yes
6	Maintenance Staff Awareness Training Records	No	No
7	Outside Vendor Awareness Notification	No	No
8	Asbestos Warning Signs and Labels (Required Posting in Boiler Rooms and Mechanical Spaces Only)	N/A	Yes
9	Response Action Records (Includes Any Abatement Conducted Since Last 3-Year Re-Inspection)	Yes	Yes

Comments: Items marked "***No***" indicate not present/available at the time of this inspection.

Inspector (LEA Office): Robert Mallett Date: December 8, 2017

Inspector (School): Robert Mallett Date: December 8, 2017

Appendix B

Re-Inspection Form 1

School: James F. Peebles Elementary School
Address 70 Trowbridge Road, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011, 2014, & 2017

Homogeneous Material			Material Category	Friability	Assessment Category (1-7)	Recorded Locations	Response Actions Taken/Renovations/Other Comments
Sample Number	Asbestos Content	Material Description					
Original Building							
331DD-02A	40% Chrysotile	Friable TSI at Boiler Ribbing	TSI	F	6	Boiler Room	
331DD-07	10% Chrysotile	White Friable TSI at Front Circular Panel	TSI	F	6	Boiler Room	
331DD-09A	25% Chrysotile	Exterior Gaskets at Metal Fixed-Panels	Misc.	NF	5	Boiler Room	
720JH-06A	70% Chrysotile	Tan Corrugated Paper-Type Pipe Insulation	TSI	F	5	1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms	
720JH-06A	70% Chrysotile	Tan Corrugated Paper-Type Pipe Insulation	TSI	F	6	Storage Room Across from Classroom 13	
720JH-06A	70% Chrysotile	Tan Corrugated Paper-Type Pipe Insulation	TSI	F	7	Concealed within Corridor Walls	
720JH-07A	15% Amosite 5% Chrysotile 12% Crocidolite	White Mudded Pipe-Fitting Insulation	TSI	F	5	1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms	

School: James F. Peebles Elementary School
Address 70 Trowbridge Road, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011, 2014, & 2017

Homogeneous Material			Material Category	Friability	Assessment Category (1-7)	Recorded Locations	Response Actions Taken/Renovations/Other Comments
Sample Number	Asbestos Content	Material Description					
720JH-07A	15% Amosite 5% Chrysotile 12% Crocidolite	White Mudded Pipe-Fitting Insulation	TSI	F	6	Storage Room Across from Classroom 13	
720JH-07A	15% Amosite 5% Chrysotile 12% Crocidolite	White Mudded Pipe-Fitting Insulation	TSI	F	7	Concealed within Corridor Walls	
720JH-30A	3% Chrysotile	White Ceiling Plaster Skim Coat	Surf.	NF	6	Basement Hallway (from Cafeteria to End of Hallway)	
720JH-30A	3% Chrysotile	White Ceiling Plaster Skim Coat	Surf.	NF	6	Classrooms 9 - 13	November 16, 2017 repair documented.
720JH-30A	3% Chrysotile	White Ceiling Plaster Skim Coat	Surf.	NF	2	Storage Room across from Classroom 13	~10 SF of delaminating ceiling plaster observed after limited abatement performed on November 16, 2017. Repair documented.
720JH-30A	3% Chrysotile	White Ceiling Plaster Skim Coat	Surf.	NF	6	Cafeteria	
720JH-04B	60% Chrysotile	White Vibration Isolator	Misc.	NF	6	Attic	

School: James F. Peebles Elementary School
Address 70 Trowbridge Road, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011, 2014, & 2017

Homogeneous Material			Material Category	Friability	Assessment Category (1-7)	Recorded Locations	Response Actions Taken/Renovations/Other Comments
Sample Number	Asbestos Content	Material Description					
720JH-04B	60% Chrysotile	White Vibration Isolator	Misc.	NF	6	Stage	Materials stored on top of Vibration Isolators
Assumed ACBM	Assumed ACBM	Gray Fiber-Reinforced Cement Panel	Misc.	NF	5	Boiler Room Electrical Panel	
Assumed ACBM*	Assumed ACBM*	9" x 9" Tan with Green Splotch Floor Tile	Misc.	NF	5	Music Room & beneath Carpet in Conference Room Area	
Assumed ACBM*	Assumed ACBM*	9" x 9" Green with Streaks Floor Tile	Misc.	NF	5	Nurse's Office & Secretary's Office	
Assumed ACBM*	Assumed ACBM*	9" x 9" Tan with Streaks Floor Tile	Misc.	NF	5	Stairwell to Attic & Stairwell from Attic Door to Cafeteria	
Assumed ACBM*	Assumed ACBM*	9" x 9" Tan with Streaks Floor Tile	Misc.	NF	5	Main Office & Special Equipment Room	
Assumed ACBM*	Assumed ACBM*	9" x 9" Tan with Streaks Floor Tile	Misc.	NF	5	Hallway from Main Office to Classroom 7	
Assumed ACBM*	Assumed ACBM*	9" x 9" Dark Brown with Tan Splotch Floor Tile	Misc.	NF	5	Special Ed Office (End of 1st Floor Hallway)	
Assumed ACBM*	Assumed ACBM*	9" x 9" Tan with Streaks Floor Tile	Misc.	NF	5	Southwest Stairwell (Landings & Stair Treads)	
Assumed ACBM*	Assumed ACBM*	9" x 9" Tan with Streaks Floor Tile	Misc.	NF	5	Basement Hallway (from Cafeteria to Exit Door)	
Assumed ACBM*	Assumed ACBM*	9" x 9" Tan with Streaks Floor Tile	Misc.	NF	5	Classroom 13	

School: James F. Peebles Elementary School
Address 70 Trowbridge Road, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011, 2014, & 2017

Homogeneous Material			Material Category	Friability	Assessment Category (1-7)	Recorded Locations	Response Actions Taken/Renovations/Other Comments
Sample Number	Asbestos Content	Material Description					
Annex							
Assumed ACBM	Assumed ACBM*	Mudded Pipe-Fitting Insulation	TSI	F	5	Classrooms 17 & 23 Pipe Chase & Classrooms 16 & 22 Pipe Chase	
Assumed ACBM	Assumed ACBM*	Mudded Pipe-Fitting Insulation	TSI	F	6	Custodial Closet between Classrooms 16 & 19 & Custodial Closet between Classrooms 14 & 17	
Assumed ACBM	Assumed ACBM*	Mudded Pipe-Fitting Insulation	TSI	F	7	Crawlspace	
Assumed ACBM	Assumed ACBM*	9" x 9" Gray with Streaks Floor Tile	Misc.	NF	5	1st Floor Annex to Original Building Connector Hallway; Classrooms: 15, 18, 21, & 24; Library; Library Stair Treads & Landings; 1st & 2nd Floor Hallways: Rear Stairwell (Landings & Stair Treads); & Custodial Closets	
Assumed ACBM	Assumed ACBM*	9" x 9" Black with Streaks Floor Tile	Misc.	NF	5		
Assumed ACBM	Assumed ACBM*	9" x 9" Brown with Streaks Floor Tile	Misc.	NF	5	Classrooms: 14, 16, 17, 19, 20, 22, 23, & 25	
Assumed ACBM*	Assumed ACBM*	9" x 9" Tan with Streaks Floor Tile	Misc.	NF	5		
Assumed ACBM*	Assumed ACBM*	White Vibration Isolator	Misc.	NF	5	Attic & Custodial Closet between Classrooms 16 & 19	
Assumed ACBM*	Assumed ACBM*	Gray Fiber-Reinforced Cement Panel	Misc.	NF	5	Attic	

*Denotes material is identified in the 1994 AHERA Re-Inspection as being identified as ACBM in the 1988 AHERA Initial Inspection Report. The 1988 Initial Inspection report is unavailable.

School: James F. Peebles Elementary School Date(s) of Original Inspection: 1988
Address 70 Trowbridge Road, Bourne, MA Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011, 2014, & 2017

Information abstracted by: Robert Mallett Date: December 8, 2017

Material Category: TSI = Thermal System Insulation, Surf. = Surfacing, Misc. = Miscellaneous

Friability: F = Friable, NF = Non-Friable

AHERA Assessment Categories:

1 = Damaged or significantly damaged TSI ACM; 2 = Damaged friable surfacing ACM; 3 = Significantly damaged friable surfacing ACM; 4 = Damaged or significantly damaged friable miscellaneous ACM; 5 = ACBM with potential for damage; 6 = ACBM with potential for significant damage; 7 = Any remaining friable ACBM or friable suspected ACBM

Appendix C

Re-Inspection Form 2

School: James F. Peebles Elementary School (Original Building)
Date of Re-Inspection: December 8, 2017
Homogeneous Material: Friable TSI at Boiler Ribbing
Sample ID Number: 331DD-02A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Boiler Room	F	2 EA	6	ACBM with potential for significant damage	No damaged, friable TSI or suspect debris was observed at the time of re-inspection in the Boiler Room. It is recommended that periodic cleaning shall be performed at least semiannually at this location. All cleaning must be performed by a person who is at least qualified as an asbestos associated project worker, and HEPA-vacuuming and wet-cleaning methods are required Maintain under O&M Program	Spring 2018/Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

I, the LEA's Designated Person, have read and understood the recommendations made above: _____

Date: _____

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: White Friable TSI at Front Circular Panel Sample ID Number: 331DD-07

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Boiler Room	F	2 EA	6	ACBM with potential for significant damage	No damaged, friable TSI or suspect debris was observed at the time of re-inspection in the Boiler Room. It is recommended that periodic cleaning shall be performed at least semiannually at this location. All cleaning must be performed by a person who is at least qualified as an asbestos associated project worker, and HEPA-vacuuming and wet-cleaning methods are required Maintain under O&M Program	Spring 2018/Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	

I, the LEA's Designated Person, have read and understood the recommendations made above: _____

Date: _____

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Exterior Gaskets at Metal Fixed Panels Sample ID Number: 331DD-09A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Boiler Room	NF	2 EA	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Tan Corrugated Paper-Type Pipe Insulation Sample ID Number: 720JH-06A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms	F	100 LF	5	ACBM with potential for damage	No damaged, friable TSI or suspect debris was observed at the time of re-inspection. Periodic cleaning is not recommended at restricted locations. Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Tan Corrugated Paper-Type Pipe Insulation Sample ID Number: 720JH-06A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Concealed within Corridor Walls	F	Unknown	7	Any remaining friable ACBM or friable suspected ACBM	Periodic cleaning is not recommended at concealed locations. Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	

I, the LEA's Designated Person, have read and understood the recommendations made above: _____

Date: _____

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Tan Corrugated Paper-Type Pipe Insulation Sample ID Number: 720JH-06A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Storage Room Across from Classroom 13	F	20 LF	6	ACBM with potential for significant damage	No damaged, friable TSI or suspect debris was observed at the time of re-inspection. It is recommended that periodic cleaning shall be performed at least semiannually at this location. All cleaning must be performed by a person who is at least qualified as an asbestos associated project worker, and HEPA-vacuuming and wet-cleaning methods are required Continue to restrict access to this storage room. Maintain under O&M Program	Spring 2018/Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

I, the LEA's Designated Person, have read and understood the recommendations made above: _____

Date: _____

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: White Mudded Pipe-Fitting Insulation Sample ID Number: 720JH-07A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms	F	20 EA (observed)	5	ACBM with potential for damage	No damaged, friable TSI or suspect debris was observed at the time of re-inspection. Periodic cleaning is not recommended at restricted locations. Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: White Mudded Pipe-Fitting Insulation Sample ID Number: 720JH-07A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Concealed within Corridor Walls	F	Unknown	7	Any remaining friable ACBM or friable suspected ACBM	Periodic cleaning is not recommended at concealed locations. Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: White Mudded Pipe-Fitting Insulation Sample ID Number: 720JH-07A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Storage Room across from Classroom 13	F	3 EA	6	ACBM with potential for significant damage	No damaged, friable TSI or suspect debris was observed at the time of re-inspection. It is recommended that periodic cleaning shall be performed at least semiannually at this location. All cleaning must be performed by a person who is at least qualified as an asbestos associated project worker, and HEPA-vacuuming and wet-cleaning methods are required Continue to restrict access to this storage room. Maintain under O&M Program	Spring 2018/Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

I, the LEA's Designated Person, have read and understood the recommendations made above: _____

Date: _____

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: White Ceiling Plaster Skim Coat Sample ID Number: 720JH-30A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Cafeteria, Basement Hallway (from Cafeteria to End of Hallway), & Classrooms 9-13	NF	11,500 SF	6	ACBM with potential for significant damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building)
Date of Re-Inspection: December 8, 2017
Homogeneous Material: White Ceiling Plaster Skim Coat
Sample ID Number: 720JH-30A

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Storage across from Classroom 13	NF	500 SF	2	Damaged friable surfacing ACM	Approximately 10 SF of ceiling plaster is delaminating. Delaminating material should be abated & bridging encapsulant applied. Continue to restrict access to this storage room. Maintain remaining material under O&M Program	Spring 2018/Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: White Vibration Isolator Sample ID Number: 720JH-04B

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Attic	NF	5 EA	6	ACBM with potential for significant damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: White Vibration Isolator Sample ID Number: 720JH-04B

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Stage	NF	4 EA	6	ACBM with potential for significant damage	Remove gym equipment currently stored on top of vibration isolators. Maintain under O&M Program	February 2018/Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Gray Fiber-Reinforced Cement Panel Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Boiler Room (Electrical Panel)	NF	300 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: 9" x 9" Tan with Green Splotch Floor Tile Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Music Room & beneath Carpet in Conference Room Area	NF	500 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: 9" x 9" Green with Streaks Floor Tile Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Nurse's Office & Secretary's Office	NF	350 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017
Homogeneous Material: 9" x 9" Tan with Streaks Floor Tile Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Stairwell to Attic, Stairwell from Attic Door to Cafeteria, Main Office, Special Equipment Room, Hallway from Main Office to Classroom 7, Southwest Stairwell (Landings & Stair Treads), Basement Hallway (from Cafeteria to Exit Door), & Classroom 13	NF	3,000 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

I, the LEA's Designated Person, have read and understood the recommendations made above: _____

Date: _____

School: James F. Peebles Elementary School (Original Building) Date of Re-Inspection: December 8, 2017

Homogeneous Material: 9" x 9" Dark Brown with Tan Splotch Floor Tile Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Special Ed Office (End of 1st Floor Hallway)	NF	50 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Annex) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Mudded Pipe-Fitting Insulation Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Classrooms 17 & 23 Pipe Chase & Classrooms 16 & 22 Pipe Chase	F	30 EA	5	ACBM with potential for damage	No damaged, friable TSI or suspect debris was observed at the time of re-inspection. Periodic cleaning is not recommended at restricted locations. Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Annex) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Mudded Pipe-Fitting Insulation Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Custodial Closet between Classrooms 16 & 19 & Custodial Closet between Classrooms 14 & 17	F	22 EA	6	ACBM with potential for significant damage	No damaged, friable TSI or suspect debris was observed at the time of re-inspection. It is recommended that periodic cleaning shall be performed at least semiannually at these locations. All cleaning must be performed by a person who is at least qualified as an asbestos associated project worker and HEPA-vacuuming and wet-cleaning methods are required. Ensure stored material is kept clear of fittings. Maintain under O&M Program	Spring 2018/Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review:	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	

School: James F. Peebles Elementary School (Annex) Date of Re-Inspection: December 8, 2017

I, the LEA's Designated Person, have read and understood the recommendations made above: _____

Date: _____

School: James F. Peebles Elementary School (Annex) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Mudded Pipe-Fitting Insulation Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Crawlspace	F	Unknown	7	Any remaining friable ACBM or friable suspected ACBM	No damaged, friable TSI or suspect debris was observed at the time of inspection. Periodic cleaning is not recommended at restricted locations. Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Annex) Date of Re-Inspection: December 8, 2017

Homogeneous Material: 9" x 9" Gray with Streaks Floor Tile Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
1st Floor Annex to Original Building Connector Hallway; Classrooms: 15, 18, 21, & 24; Library; Library Stair Treads & Landings; 1st & 2nd Floor Hallways: Rear Stairwell (Landings & Stair Treads); & Custodial Closets	NF	2,500 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Annex) Date of Re-Inspection: December 8, 2017

Homogeneous Material: 9" x 9" Black with Streaks Floor Tile Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
1st Floor Annex to Original Building Connector Hallway; Classrooms: 15, 18, 21, & 24; Library; Library Stair Treads & Landings; 1st & 2nd Floor Hallways: Rear Stairwell (Landings & Stair Treads); & Custodial Closets	NF	2,500 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Annex)
Date of Re-Inspection: December 8, 2017
Homogeneous Material: 9" x 9" Brown with Streaks Floor Tile
Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Classrooms: 14, 16, 17, 19, 20, 22, 23, & 25	NF	2,500 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Annex)
Date of Re-Inspection: December 8, 2017
Homogeneous Material: 9" x 9" Tan with Streaks Floor Tile
Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Classrooms: 14, 16, 17, 19, 20, 22, 23, & 25	NF	2,500 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Annex) Date of Re-Inspection: December 8, 2017

Homogeneous Material: White Vibration Isolator Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Attic & Custodial Closet between Classrooms 16 & 19	NF	13 EA	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

School: James F. Peebles Elementary School (Annex) Date of Re-Inspection: December 8, 2017

Homogeneous Material: Gray Fiber-Reinforced Cement Panel Sample ID Number: Assumed ACBM

ACBM RE-INSPECTION FINDINGS					MANAGEMENT PLANNER RECOMMENDATIONS	
ACBM Location(s) by Assessment Category	**Friability**	**Estimated Quantity**	**Assessment Category**	**Physical Description**	**Recommended Response Action(s)**	**Date Action Completed**
Attic	NF	400 SF	5	ACBM with potential for damage	Maintain under O&M Program	Ongoing
Were additional samples of this ACBM collected? No					Date of Management Planner Review: February 19, 2018	
Inspector's Name: Robert Mallett Inspector Signature: _____ Accreditation #/State: AI900557/MA Expiration Date: 06/01/2018					Management Planner Name: Dustin Diedricksen Management Planner Signature: _____ Accreditation #/State: AP900425/MA Expiration Date: 04/05/2018	
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						

Appendix D

Previously Sampled Materials Laboratory Reports

EnviroScience Sample Report
July 2009

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

Attn: **Bob May**
Fuss & O' Neill EnviroScience, LLC
50 Redfield Street
Boston, MA 02122

Fax: (413) 647-0018 Phone: (617) 282-4675
Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779
EMSL Proj:
Analysis Date: 7/25/2009

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

			Non-Asbestos				Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
720JH-01A *030918779-0001*	BOILER ROOM/ HOT WATER TANK INSULATION	Tan Fibrous Heterogeneous	15% 5%	Glass Synthetic	40% 40%	Ca Carbonate Non-fibrous (other)	**None Detected**
720JH-01B *030918779-0002*	BOILER ROOM/ HOT WATER TANK INSULATION	Tan/White Fibrous Heterogeneous	20% 5%	Glass Synthetic	40% 35%	Ca Carbonate Non-fibrous (other)	**None Detected**
720JH-01C *030918779-0003*	BOILER ROOM/ HOT WATER TANK INSULATION	Tan Fibrous Heterogeneous	15% 5%	Glass Synthetic	40% 40%	Ca Carbonate Non-fibrous (other)	**None Detected**
720JH-02A *030918779-0004*	BOILER ROOM/ BOILER BREACHING BOILER INSULATION #2	White/Blue Fibrous Heterogeneous	10% 20%	Glass Synthetic	50% 20%	Ca Carbonate Non-fibrous (other)	**None Detected**
720JH-02B *030918779-0005*	BOILER ROOM/ BOILER BREACHING BOILER INSULATION #1	Gray/White Fibrous Heterogeneous	5% 25%	Glass Synthetic	50% 20%	Ca Carbonate Non-fibrous (other)	**None Detected**

Analyst(s)

Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

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

Attn: **Bob May**
Fuss & O' Neill EnviroScience, LLC
50 Redfield Street
Boston, MA 02122

Fax: (413) 647-0018 Phone: (617) 282-4675

Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779

EMSL Proj:
Analysis Date: 7/25/2009

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
720JH-02C *030918779-0006*	BOILER ROOM/ BOILER BREACHING BOILER INSULATION #1	Tan/Blue Fibrous Heterogeneous	15% Glass 15% Synthetic		50% Ca Carbonate 20% Non-fibrous (other)	**None Detected**
720JH-03A *030918779-0007*	BOILER ROOM/ BOILER INSULATION BOILER #2	Gray Fibrous Heterogeneous	25% Glass		40% Ca Carbonate 35% Non-fibrous (other)	**None Detected**
720JH-03B *030918779-0008*	BOILER ROOM/ BOILER INSULATION BOILER #1	Gray Fibrous Heterogeneous	35% Glass		40% Ca Carbonate 25% Non-fibrous (other)	**None Detected**
720JH-03C *030918779-0009*	BOILER ROOM/ BOILER INSULATION BOILER #1	Gray Fibrous Heterogeneous	15% Glass		35% Ca Carbonate 50% Non-fibrous (other)	**None Detected**
720JH-04A *030918779-0010*	BOILER ROOM/ VIBRATION ISOLATOR	Gray/White Fibrous Heterogeneous	95% Glass		5% Non-fibrous (other)	**None Detected**
720JH-04B *030918779-0011*	ATTIC/ VIBRATION ISOLATOR	Tan/White Fibrous Heterogeneous	25% Cellulose		15% Non-fibrous (other)	**60% Chrysotile**

Analyst(s)

Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

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

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Fuss & O' Neill EnviroScience, LLC
50 Redfield Street
Boston, MA 02122

Fax: (413) 647-0018 Phone: (617) 282-4675
Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779
EMSL Proj:
Analysis Date: 7/25/2009

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
720JH-05A *030918779-0012*	OFFICE NEAR ROOM 9/ PREFOUND B DOCK TYPE PIPE	White Fibrous Heterogeneous		50% Ca Carbonate 24% Non-fibrous (other)	**15% Amosite** **5% Chrysotile** **6% Crocidolite**
720JH-05B *030918779-0013*	OFFICE NEAR ROOM 9/ PREFOUND B DOCK TYPE PIPE				**Stop Positive (Not Analyzed)**
720JH-05C *030918779-0014*	OFFICE NEAR ROOM 9/ PREFOUND B DOCK TYPE PIPE				**Stop Positive (Not Analyzed)**
720JH-06A *030918779-0015*	STORAGE NEAR ROOM 13/ AIRCELL PIPE INSULATION	White Fibrous Homogeneous	20% Cellulose	10% Non-fibrous (other)	**70% Chrysotile**
720JH-06B *030918779-0016*	CHASE NEAR ROOM 7 (CUSTODIAN)/ AIRCELL PIPE				**Stop Positive (Not Analyzed)**
720JH-06C *030918779-0017*	STAGE/ AIRCELL PIPE INSULATION				**Stop Positive (Not Analyzed)**

Analyst(s)

Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

EMSL Analytical, Inc.
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Customer ID: ENVI54C
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Received: 07/24/09 9:00 AM
EMSL Order: 030918779
EMSL Proj:
Analysis Date: 7/25/2009

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
720JH-07A *030918779-0018*	STORAGE NEAR ROOM 13/ MUDDED FITTINGS	White Fibrous Homogeneous		50% Ca Carbonate 18% Non-fibrous (other)	**15% Amosite** **5% Chrysotile** **12% Crocidolite**
720JH-07B *030918779-0019*	STORAGE NEAR ROOM 13/ MUDDED FITTINGS				**Stop Positive (Not Analyzed)**
720JH-07C *030918779-0020*	STAGE/ MUDDED FITTINGS				**Stop Positive (Not Analyzed)**
720JH-08A *030918779-0021*	ROOM 10/ BLACK COVE BASE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
720JH-08B *030918779-0022*	ROOM 8/ BLACK COVE BASE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
720JH-08C *030918779-0023*	ROOM 5/ BLACK COVE BASE	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
720JH-09A *030918779-0024*	ROOM 10/ BLACK MASTIC A/W BLACK COVE BASE	White/Black Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	**None Detected**

Analyst(s)

Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

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

Attn: **Bob May**
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50 Redfield Street
Boston, MA 02122

Fax: (413) 647-0018 Phone: (617) 282-4675

Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

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EMSL Order: 030918779

EMSL Proj:
Analysis Date: 7/25/2009

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
720JH-09B *030918779-0025*	ROOM 8/ BLACK MASTIC A/W BLACK COVE BASE	Black Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
720JH-09C *030918779-0026*	ROOM 5/ BLACK MASTIC A/W BLACK COVE BASE	Black Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
720JH-10A *030918779-0027*	ROOM 4/ VINYL WINDOW SILL	Gray/Tan Non-Fibrous Heterogeneous	20%	Cellulose	15% Ca Carbonate 65% Non-fibrous (other)	**None Detected**
720JH-10B *030918779-0028*	ROOM 10/ VINYL WINDOW SILL	Brown/Gray Non-Fibrous Heterogeneous	25%	Cellulose	10% Ca Carbonate 65% Non-fibrous (other)	**None Detected**
720JH-10C *030918779-0029*	ROOM 12/ VINYL WINDOW SILL	Brown/Gray Non-Fibrous Heterogeneous	20%	Cellulose	10% Ca Carbonate 70% Non-fibrous (other)	**None Detected**
720JH-11A *030918779-0030*	LOOSE IN ATTIC/ 1X1 CEILING TILE PIN HOLE	Brown/White Fibrous Heterogeneous	85%	Cellulose	15% Non-fibrous (other)	**None Detected**
720JH-11B *030918779-0031*	LOOSE IN ATTIC/ 1X1 CEILING TILE PIN HOLE	Brown/White Fibrous Heterogeneous	85%	Cellulose	15% Non-fibrous (other)	**None Detected**

Analyst(s)

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Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

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

			Non-Asbestos			Asbestos
Sample	Description	Appearance	% Fibrous		% Non-Fibrous	% Type
720JH-11C *030918779-0032*	LOOSE IN ATTIC/ 1X1 CEILING TILE PIN HOLE	Brown/White Fibrous Heterogeneous	85%	Cellulose	15% Non-fibrous (other)	**None Detected**
720JH-12A *030918779-0033*	LOOSE IN ATTIC/ DARK BROWN MASTIC A/W 1X1 CEILING	Brown Non-Fibrous Heterogeneous	5%	Cellulose	95% Non-fibrous (other)	**None Detected**
720JH-12B *030918779-0034*	LOOSE IN ATTIC/ DARK BROWN MASTIC A/W 1X1 CEILING	Brown Non-Fibrous Heterogeneous	3%	Cellulose	97% Non-fibrous (other)	**None Detected**
720JH-12C *030918779-0035*	LOOSE IN ATTIC/ DARK BROWN MASTIC A/W 1X1 CEILING	Brown Non-Fibrous Heterogeneous	5%	Cellulose	95% Non-fibrous (other)	**None Detected**
720JH-13A *030918779-0036*	ROOM 22/ BLACK MASTIC A/W 9X9 FT	Black Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-13B *030918779-0037*	MAIN LOBBY/ BLACK MASTIC A/W 9X9 FT	Black Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
720JH-13C *030918779-0038*	GROUND FLOOR HALL/ BLACK MASTIC A/W 9X9 FT	Black Non-Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
720JH-14A *030918779-0039*	ROOM 9/ BLACK MASTIC A/W 12X12 FT	Black Non-Fibrous Heterogeneous	3%	Cellulose	97%	Non-fibrous (other)	**None Detected**
720JH-14B *030918779-0040*	ROOM 12/ BLACK MASTIC A/W 12X12 FT	Black Non-Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
720JH-14C *030918779-0041*	BREEZEWAY BETWEEN ROOM 10 & 11 / BLACK MASTIC A/W	Brown/Black Non-Fibrous Heterogeneous	15%	Cellulose	85%	Non-fibrous (other)	**None Detected**
720JH-15A *030918779-0042*	ROOM 1/ BLUE/GREY W/ WHITE STREAKS 12X12	Gray/White Non-Fibrous Heterogeneous			20% 80%	Ca Carbonate Non-fibrous (other)	**None Detected**
		INSUFFICENT MASTIC					
720JH-15B *030918779-0043*	ROOM 2/ BLUE/GREY W/ WHITE STREAKS 12X12	Gray/White Non-Fibrous Heterogeneous			20% 80%	Ca Carbonate Non-fibrous (other)	**None Detected**
		INSUFFICENT MASTIC					

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
720JH-15C *030918779-0044*	ROOM 3/ BLUE/GREY W/ WHITE STREAKS 12X12	Gray/White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
		INSUFFICENT MASTIC			
720JH-16A *030918779-0045*	ROOM 6/ WHITE/YELLOW/ BORWN 12X12 FT	Beige Non-Fibrous Heterogeneous		85% Non-fibrous (other) 15% Quartz	**None Detected**
		INSUFFICENT MASTIC			
720JH-16B TILE *030918779-0046*	ROOM 6/ WHITE/YELLOW/ BORWN 12X12 FT	Beige Non-Fibrous Heterogeneous		90% Non-fibrous (other) 10% Quartz	**None Detected**
720JH-16B MASTIC *030918779-0046A*	ROOM 6/ WHITE/YELLOW/ BORWN 12X12 FT	Brown Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (other)	**None Detected**
720JH-16C TILE *030918779-0047*	ROOM 6/ WHITE/YELLOW/ BORWN 12X12 FT	Beige Non-Fibrous Heterogeneous		85% Non-fibrous (other) 15% Quartz	**None Detected**
720JH-16C MASTIC *030918779-0047A*	ROOM 6/ WHITE/YELLOW/ BORWN 12X12 FT	Brown Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	**None Detected**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
720JH-17A TILE *030918779-0048*	ROOM 1/ TAN W/ WITE STREAKS 12X12 FT	Gray/White Non-Fibrous Heterogeneous			15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
720JH-17A MASTIC *030918779-0048A*	ROOM 1/ TAN W/ WITE STREAKS 12X12 FT	Black Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-17B TILE *030918779-0049*	ROOM 2/ TAN W/ WITE STREAKS 12X12 FT	Gray/White Non-Fibrous Heterogeneous			10% Ca Carbonate 90% Non-fibrous (other)	**None Detected**
720JH-17B MASTIC *030918779-0049A*	ROOM 2/ TAN W/ WITE STREAKS 12X12 FT	Black Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other)	**None Detected**
720JH-17C TILE *030918779-0050*	ROOM 3/ TAN W/ WITE STREAKS 12X12 FT	Gray/White Non-Fibrous Heterogeneous			15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
720JH-17C MASTIC *030918779-0050A*	ROOM 3/ TAN W/ WITE STREAKS 12X12 FT	Black Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-18A *030918779-0051*	ROOM 8/ WHITE W/ BROWN & BLUE STREAKS 12X12 FT	Gray/White Non-Fibrous Heterogeneous			90% Non-fibrous (other) 10% Quartz	**None Detected**

INSUFFICENT MASTIC

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
720JH-18B *030918779-0052*	ROOM 8/ WHITE W/ BROWN & BLUE STREAKS 12X12 FT	Gray/White Non-Fibrous Heterogeneous		90% Non-fibrous (other) 10% Quartz	**None Detected**
			INSUFFICENT MASTIC		
720JH-18C *030918779-0053*	ROOM 8/ WHITE W/ BROWN & BLUE STREAKS 12X12 FT	Gray/White Non-Fibrous Heterogeneous		85% Non-fibrous (other) 15% Quartz	**None Detected**
			INSUFFICENT MASTIC		
720JH-19A *030918779-0054*	ROOM 4/ RED W/ PINK STREAKS 12X12 FT	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
			INSUFFICENT MASTIC		
720JH-19B *030918779-0055*	ROOM 4/ RED W/ PINK STREAKS 12X12 FT	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
			INSUFFICENT MASTIC		
720JH-19C *030918779-0056*	ROOM 4/ RED W/ PINK STREAKS 12X12 FT	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
			INSUFFICENT MASTIC		

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
720JH-20A TILE *030918779-0057*	ROOM 4/ BROWN W/ LT BROWN & DARK BROWN STREAKS	Gold Non-Fibrous Homogeneous			15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
720JH-20A MASTIC *030918779-0057A*	ROOM 4/ BROWN W/ LT BROWN & DARK BROWN STREAKS	Black Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-20B TILE *030918779-0058*	ROOM 4/ BROWN W/ LT BROWN & DARK BROWN STREAKS	Gold Non-Fibrous Homogeneous			15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
720JH-20B MASTIC *030918779-0058A*	ROOM 4/ BROWN W/ LT BROWN & DARK BROWN STREAKS	Black Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other)	**None Detected**
720JH-20C TILE *030918779-0059*	ROOM 4/ BROWN W/ LT BROWN & DARK BROWN STREAKS	Gold Non-Fibrous Homogeneous			15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
720JH-20C MASTIC *030918779-0059A*	ROOM 4/ BROWN W/ LT BROWN & DARK BROWN STREAKS	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-21A *030918779-0060*	ROOM 9/ GREY W/ BROWN STREAKS 12X12 FT	Black Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
		INSUFFICENT MASTIC			
720JH-21B *030918779-0061*	ROOM 10/ GREY W/ BROWN STREAKS 12X12 FT	Black Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (other)	**None Detected**
		INSUFFICENT MASTIC			
720JH-21C *030918779-0062*	ROOM 12/ GREY W/ BROWN STREAKS 12X12 FT	Black Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
		INSUFFICENT MASTIC			
720JH-22A TILE *030918779-0063*	BREEZEWAY BETWEEN ROOM 10 & 11/ TAN W/ BROWN	Tan Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**

Analyst(s)

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
720JH-22A MASTIC *030918779-0063A*	BREEZEWAY BETWEEN ROOM 10 & 11/ TAN W/ BROWN	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	**None Detected**
720JH-22B TILE *030918779-0064*	BREEZEWAY BETWEEN ROOM 10 & 11/ TAN W/ BROWN	Tan Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
720JH-22B MASTIC *030918779-0064A*	BREEZEWAY BETWEEN ROOM 10 & 11/ TAN W/ BROWN	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-22C TILE *030918779-0065*	BREEZEWAY BETWEEN ROOM 10 & 11/ TAN W/ BROWN	Tan Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
720JH-22C MASTIC *030918779-0065A*	BREEZEWAY BETWEEN ROOM 10 & 11/ TAN W/ BROWN	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-23A TILE *030918779-0066*	ROOM 12/ TAN W/ PINK & BROWN STREAK 12X12 FT	Tan Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (other)	**None Detected**

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
720JH-23A MASTIC *030918779-0066A*	ROOM 12/ TAN W/ PINK & BROWN STREAK 12X12 FT	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-23B TILE *030918779-0067*	ROOM 12/ TAN W/ PINK & BROWN STREAK 12X12 FT	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
720JH-23B MASTIC *030918779-0067A*	ROOM 12/ TAN W/ PINK & BROWN STREAK 12X12 FT	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	**None Detected**
720JH-23C TILE *030918779-0068*	ROOM 12/ TAN W/ PINK & BROWN STREAK 12X12 FT	Brown Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	**None Detected**
720JH-23C MASTIC *030918779-0068A*	ROOM 12/ TAN W/ PINK & BROWN STREAK 12X12 FT	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	**None Detected**
720JH-24A TILE *030918779-0069*	ROOM 11/ TAN W/ BROWN & WHITE STREAKS 12X12 FT	Beige Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (other)	**None Detected**

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
720JH-24A MASTIC *030918779-0069A*	ROOM 11/ TAN W/ BROWN & WHITE STREAKS 12X12 FT	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	**None Detected**
720JH-24B *030918779-0070*	ROOM 11/ TAN W/ BROWN & WHITE STREAKS 12X12 FT	Beige Non-Fibrous Heterogeneous	2% Cellulose	10% Ca Carbonate 88% Non-fibrous (other)	**None Detected**
			INSUFFICENT MASTIC		
720JH-24C *030918779-0071*	ROOM 11/ TAN W/ BROWN & WHITE STREAKS 12X12 FT	Beige Non-Fibrous Heterogeneous	3% Cellulose	15% Ca Carbonate 82% Non-fibrous (other)	**None Detected**
			INSUFFICENT MASTIC		
720JH-25A TILE *030918779-0072*	ROOM 11/ BROWN W/ BROWN & WHITE STREAKS 12X12 FT	Brown Non-Fibrous Heterogeneous		20% Ca Carbonate 80% Non-fibrous (other)	**None Detected**

Analyst(s)

Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

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

Attn: **Bob May**
Fuss & O' Neill EnviroScience, LLC
50 Redfield Street
Boston, MA 02122

Fax: (413) 647-0018 Phone: (617) 282-4675
Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779
EMSL Proj:
Analysis Date: 7/25/2009

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
720JH-25A MASTIC *030918779-0072A*	ROOM 11/ BROWN W/ BROWN & WHITE STREAKS 12X12 FT	Brown Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
720JH-25B *030918779-0073*	ROOM 11/ BROWN W/ BROWN & WHITE STREAKS 12X12 FT	Brown Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (other)	None Detected
		INSUFFICENT MASTIC			
720JH-25C *030918779-0074*	ROOM 11/ BROWN W/ BROWN & WHITE STREAKS 12X12 FT	Brown Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	None Detected
		INSUFFICENT MASTIC			
720JH-26A TILE *030918779-0075*	ROOM 9/ TAN W/ BROWN STREAKS 12X12 FT	Tan Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (other)	None Detected

Analyst(s)

Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

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Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779
EMSL Proj:
Analysis Date: 7/25/2009

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

Sample	Description	Appearance	Non-Asbestos %	Fibrous	Non-Asbestos %	Non-Fibrous	Asbestos % Type
720JH-26A MASTIC *030918779-0075A*	ROOM 9/ TAN W/ BROWN STREAKS 12X12 FT	Black Non-Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	None Detected
720JH-26B TILE *030918779-0076*	ROOM 9/ TAN W/ BROWN STREAKS 12X12 FT	Tan Non-Fibrous Heterogeneous			20%	Ca Carbonate 80% Non-fibrous (other)	None Detected
720JH-26B MASTIC *030918779-0076A*	ROOM 9/ TAN W/ BROWN STREAKS 12X12 FT	Black Non-Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	None Detected
720JH-26C TILE *030918779-0077*	ROOM 9/ TAN W/ BROWN STREAKS 12X12 FT	Tan Non-Fibrous Heterogeneous			15%	Ca Carbonate 85% Non-fibrous (other)	None Detected
720JH-26C MASTIC *030918779-0077A*	ROOM 9/ TAN W/ BROWN STREAKS 12X12 FT	Black Non-Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	None Detected
720JH-27A *030918779-0078*	STAIRWELL NEAR 12/ PLASTER WALL ROUGH	Gray Non-Fibrous Heterogeneous			30% 35% 35%	Gypsum Non-fibrous (other) Quartz	None Detected

Analyst(s)
Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11508, CT PH-0170, MA AA000170

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Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779
EMSL Proj:
Analysis Date: 7/25/2009

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
720JH-27B *030918779-0079*	ROOM 1/ PLASTER WALL ROUGH	Gray Non-Fibrous Heterogeneous		20% Gypsum 35% Non-fibrous (other) 45% Quartz	**None Detected**
720JH-27C *030918779-0080*	OUTSIDE BOILER ROOM/ PLASTER WALL ROUGH	Gray Non-Fibrous Heterogeneous	3% Cellulose	20% Gypsum 37% Non-fibrous (other) 40% Quartz	**None Detected**
720JH-27D *030918779-0081*	ATTIC/ PLASTER WALL ROUGH	Gray Non-Fibrous Heterogeneous	2% Cellulose	20% Gypsum 45% Mica 33% Non-fibrous (other)	**None Detected**
720JH-27E *030918779-0082*	ATTIC/ PLASTER WALL ROUGH	Gray Non-Fibrous Heterogeneous	3% Cellulose	15% Gypsum 37% Non-fibrous (other) 45% Quartz	**None Detected**
720JH-27F *030918779-0083*	ROOM 10/ PLASTER WALL ROUGH	Gray Non-Fibrous Heterogeneous	<1% Cellulose	15% Gypsum 40% Non-fibrous (other) 45% Quartz	**None Detected**
720JH-27G *030918779-0084*	COSTODIAL CLOSET NEAR ROOM 7/ PLASTER WALL ROUGH	Gray Non-Fibrous Heterogeneous	2% Cellulose	15% Gypsum 43% Non-fibrous (other) 40% Quartz	**None Detected**

Analyst(s)

Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

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Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779

EMSL Proj:
Analysis Date: 7/25/2009

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

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
720JH-28A *030918779-0085*	STAIRWELL NEAR 12/ PLASTER WALL SKIM	White/Green Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (other)	**None Detected**
720JH-28B *030918779-0086*	ROOM 11/ PLASTER WALL SKIM	White Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (other)	**None Detected**
720JH-28C *030918779-0087*	OUTSIDE BOILER ROOM/ PLASTER WALL SKIM	White Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (other)	**None Detected**
720JH-28D *030918779-0088*	ATTIC/ PLASTER WALL SKIM	White/Green Non-Fibrous Heterogeneous		65% Ca Carbonate 35% Non-fibrous (other)	**None Detected**
720JH-28E *030918779-0089*	ATTIC/ PLASTER WALL SKIM	White/Green Non-Fibrous Heterogeneous		65% Ca Carbonate 35% Non-fibrous (other)	**None Detected**
720JH-28F *030918779-0090*	ROOM 1D/ PLASTER WALL SKIM	White Non-Fibrous Heterogeneous		60% Ca Carbonate 40% Non-fibrous (other)	**None Detected**

Analyst(s)

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or other approved signatory

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50 Redfield Street
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Fax: (413) 647-0018 Phone: (617) 282-4675
Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779
EMSL Proj:
Analysis Date: 7/25/2009

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
720JH-28G *030918779-0091*	CUSTODIAN CLOSET NEAR ROOM 7/ PLASTER WALL SKIM	White/Green Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (other)	**None Detected**
720JH-29A *030918779-0092*	ROOM 10/ PLASTER CEILING ROUGH	Tan Non-Fibrous Heterogeneous	2% Cellulose	53% Non-fibrous (other) 45% Quartz	**<1% Chrysotile**
720JH-29B *030918779-0093*	ROOM 11/ PLASTER CEILING ROUGH	Tan Non-Fibrous Heterogeneous	2% Cellulose	53% Non-fibrous (other) 45% Quartz	**<1% Chrysotile**
720JH-29C *030918779-0094*	ROOM 12/ PLASTER CEILING ROUGH	Tan Non-Fibrous Heterogeneous	<1% Cellulose	50% Non-fibrous (other) 50% Quartz	**<1% Chrysotile**
720JH-29D *030918779-0095*	ROOM 1/ PLASTER CEILING ROUGH	Tan Non-Fibrous Heterogeneous	2% Cellulose	53% Non-fibrous (other) 45% Quartz	**<1% Chrysotile**
720JH-29E *030918779-0096*	ROOM 2/ PLASTER CEILING ROUGH	Tan Non-Fibrous Heterogeneous	3% Cellulose	52% Non-fibrous (other) 45% Quartz	**<1% Chrysotile**
720JH-29F *030918779-0097*	ROOM 3/ PLASTER CEILING ROUGH	Tan Non-Fibrous Heterogeneous	2% Cellulose	48% Non-fibrous (other) 50% Quartz	**<1% Chrysotile**

Analyst(s)

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James Hall, Laboratory Manager
or other approved signatory

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50 Redfield Street
Boston, MA 02122

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Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779
EMSL Proj:
Analysis Date: 7/25/2009

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
720JH-29G *030918779-0098*	ROOM 6/ PLASTER CEILING ROUGH	Tan Non-Fibrous Heterogeneous	2% Cellulose	53% Non-fibrous (other) 45% Quartz	**<1% Chrysotile**
720JH-30A *030918779-0099*	ROOM 10/ PLASTER CEILING ~~ROUGH~~ SKIM	White Non-Fibrous Heterogeneous	5% Cellulose	50% Ca Carbonate 42% Non-fibrous (other)	**3% Chrysotile**
720JH-30B *030918779-0100*	ROOM 11/ PLASTER CEILING SKIM				**Stop Positive (Not Analyzed)**
720JH-30C *030918779-0101*	ROOM 12/ PLASTER CEILING SKIM				**Stop Positive (Not Analyzed)**
720JH-30D *030918779-0102*	ROOM 1/ PLASTER CEILING SKIM				**Stop Positive (Not Analyzed)**
720JH-30E *030918779-0103*	ROOM 2/ PLASTER CEILING SKIM				**Stop Positive (Not Analyzed)**
720JH-30F *030918779-0104*	ROOM 3/ PLASTER CEILING SKIM				**Stop Positive (Not Analyzed)**

Analyst(s)
Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

EMSL Analytical, Inc.
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Fuss & O' Neill EnviroScience, LLC
50 Redfield Street
Boston, MA 02122

Fax: (413) 647-0018 Phone: (617) 282-4675
Project: **20070914.A4E/ BOURNE PUBLIC SCHOOLS/ PEEBLES ELEMATARY**

Customer ID: ENVI54C
Customer PO:
Received: 07/24/09 9:00 AM
EMSL Order: 030918779

EMSL Proj:
Analysis Date: 7/25/2009

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
720JH-30G *030918779-0105*	ROOM 6/ PLASTER CEILING SKIM				**Stop Positive (Not Analyzed)**

Analyst(s)

Williams John (111)

James Hall, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. New York 307 West 38th Street, New York NY NVLAP Lab Code 101048-9, AIHA IHLAP 102581, NYS ELAP 11506, CT PH-0170, MA AA000170

THIS IS THE LAST PAGE OF THE REPORT.

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SAMPLE LOG FOR ASBESTOS BULKS

09 JUL 24 AM 9:50

Sheet 1 of 10

Project Name: Bourne Public Schools

Project No. 20070914.A4E

Building: Peebles Elementary

Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
720JH-01A	Boiler Room	Hot water Tank insulation	
-01B	↓	↓	
-01C	↓	↓	
720JH-02A	↓	Boiler Breaching insulation Boiler #2	
-02B	↓	Boiler #1	
-02C	↓	↓	
720JH-03A	↓	Boiler insulation Boiler #2	
-03B	↓	Boiler #1	
-03C	↓	↓	
720JH-04A	↓	vibration isolator	
-04B	Attic	↓	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hours

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

#792097962462

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

Special Instructions: Stop @ first positive in each set

RECEIVED
JUL 23 2009
By SA 0940

Samples Collected By: JH Date: 7/20/09 Time: AM/PM

Samples [Rec'd][Sent By]: [ ][JH] Date: [ ][7/22/09] Time: [ ][PM]

Samples Received By: Svasconez Date: 7/24 Time: 9:50 AM

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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MANHATTAN
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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 10

Project Name: Bourne Public Schools Project No. 20070914.A1E

Building: Peebles Elementary Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
720JH-05A	Office near Room 9	Pre-formed block type pipe insulation	
-05B	↓	↓	
-05C	↓	↓	
720JH-06A	Storage near Room 13	AirCell pipe insulation	
-06B	Chase near Room 7 (custodial)	↓	
-06C	Stage	↓	
720JH-07A	Storage near Room 13	Mudded Fittings	
-07B	↓	↓	
-07C	Stage	↓	
720JH-08A	Room 10	Black Cove Base	
-08B	Room 8	↓	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hr

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st Page

Samples Collected By: JH Date: 7/20/09 Time: AM/PM

Samples [Rec'd][Sent By]: [ ][JH] Date: [ ][7/22/09] Time: [ ][PM]

Samples Received By: [illegible] Date: 7/24 Time: 9:50 AM

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 3 of 10

Project Name: Bourne Public Schools Project No. 20070914.A4E

Building: Peebles Elementary Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
-08C	Room 5	↓	
720JH-09A	Room 10	Black Mastic A/W Black cove Base	
-09B	Room 8	↓	
-09C	Room 5	↓	
720JH-10A	Room 4	vinyl window sill	
-10B	Room 10	↓	
-10C	Room 12	↓	
720JH-11A	Loose in Attic	1x1 ceiling Tile pin hole	
-11B	↓	↓	
-11C	↓	↓	
720JH-12A	↓	Dark Brown mastic A/W 1x1 ceiling Tile	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hours

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st page

Samples Collected By: JH Date: 7/20/09 Time: AM/PM

Samples [Rec'd][Sent By]: [ ] [JH] Date: [ ] [7/22/09] Time: [ ] [PM]

Samples Received By: [illegible] Date: 7/24 Time: 940 am

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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SAMPLE LOG FOR ASBESTOS BULKS

09 JUL 24 AM 9:50

Sheet 4 of 10

Project Name: Bourne Public Schools Project No. 20070914. A4E

Building: Peebles elementary Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
-12B	↓	↓	
-12C	↓	↓	
720JH-13A	Room 22	Black mastic A/W 9x9 FT	
-13B	main Lobby	↓	
-13C	Ground Floor Hall	↓	
720JH-14A	Room 9	Black mastic A/W 12X12 FT	
-14B	Room 12	↓	
-14C	Breezeway Between Room 10 & 11	↓	
720JH-15A	Room 1	Blue/grey w/ white streaks 12X12	
-15B	↓ 2	↓	
-15C	↓ 3	↓	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hr.

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st page

Samples Collected By: JH Date: 7/20/09 Time: AM/PM

Samples [Rec'd][Sent By]: [ ] Date: [ ] Time: [ ]

Samples Received By: (SL) Date: 7/24/09 Time: 9:40am

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 5 of 10

Project Name: Bourne Public Schools Project No. 20070914. A1E

Building: Peebles Elementary Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
720JH-16A	Room 6	white/Yellow/Brown 12X12 FT	
-16B	↓	↓	
-16C	↓	↓	
720JH-17A	Room 1	Tan w/ white streaks 12X12 FT	
-17B	↓ 2	↓	
-17C	↓ 3	↓	
720JH-18A	Room 8	white w/ Brown + Blue streaks 12X12 FT	
-18B	↓	↓	
-18C	↓	↓	
720JH-19A	Room 4	Red w/ Pink streaks 12X12 FT	
-19B	↓	↓	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hr

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st page

Samples Collected By: JH Date: 7/20/09 Time: AM/PM

Samples [Rec'd][Sent By]: [ ][ ] Date: [ ][ ] Time: [ ][ ]

Samples Received By: (SV) Date: 7/24/09 Time: 9:40 am

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 6 of 10

Project Name: Bourne Public Schools RECEIVED MAINHATTAN Project No. 20070914.A4E

Building: Peebles Elementary Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
-19C	↓	↓	
720JH-20A	Room 4	Brown w/ LT Brown & Dark Brown Streaks 12X12 FT	
-20B	↓	↓	
-20C	↓	↓	
720JH-21A	Room 9	Grey w/ Brown streaks 12X12 FT	
-21B	↓ 10	↓	
-21C	↓ 12	↓	
720JH-22A	Breezeway between Room 10 & 11	Tan w/ Brown Streaks 12X12 FT	
-22B	↓	↓	
-22C	↓	↓	
720JH-23A	Room 12	Tan w/ pink & Brown Streak 12X12 FT	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hrs

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st page

Samples Collected By: JH Date: 7/20/09 Time: AM/PM

Samples [Rec'd][Sent By]: [ ][ ] Date: [ ][ ] Time: [ ][ ]

Samples Received By: (ISV) Date: 7/24/09 Time: 9:40 am

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 7 of 10

Project Name: Bourne Public Schools Project No. 20070914.A4E

Building: Peebles Elementary School Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
-23B	↓	↓	
-23C	↓	↓	
720JH-24A	Room 11	Tan w/ Brown & white streaks 12x12 FT	
-24B	↓	↓	
-24C	↓	↓	
720JH-25A	↓	Brown w/ Brown & white streaks 12x12FT	
-25B	↓	↓	
-25C	↓	↓	
720JH-26A	Room 9	Tan w/ Brown streaks 12x12 FT	
-26B	↓	↓	
-26C	↓	↓	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hr

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st page

Samples Collected By: JH Date: 7/20/09 Time: AM/PM

Samples [Rec'd][Sent By]: [ ][ ] Date: [ ][ ] Time: [ ][ ]

Samples Received By: (SO) Date: 9/24/09 Time: 9:40am

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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SAMPLE LOG FOR ASBESTOS BULKS

09 JUL 24 AM 9:50

Sheet 8 of 10

Project Name: Bourne Public Schools

Project No: 20070914.A4E

Building: Peebles Elementary School

Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
720JH-27A	Stairwell near 12	Plaster wall Rough	
-27B	Room 11	↓	
-27C	outside Boiler Room	↓	
-27D	Attic	↓	
-27E	↓	↓	
-27F	Room 10	↓	
-27G	Custodial closet near Room 7	↓	
720JH-28A	stairwell near 12	Plaster wall Skim	
-28B	Room 11	↓	
-28C	outside Boiler Room	↓	
-28D	attic	↓	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hr

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st page

Samples Collected By: JH Date: 7/10/09 Time: AM/AM

Samples [Rec'd][Sent By]: [ ] Date: [ ] Time: [ ]

Samples Received By: [signature] Date: 7/14/01 Time: 9:40am

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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08 JUL 24 AM 9:50

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 9 of 10

Project Name: Bronx Public Schools Project No. 20070914.H45

Building: Peebles Elementary Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
-28E	Attic		
-28F	Room 10		
-28G	Custodial Closet near Room 7		
720JH-29A	Room 10	Plaster ceiling Rough	
-29B	Room 11		
-29C	Room 12		
-29D	Room [redacted] 1		
-29E	Room 2		
-29F	Room 3		
-29G	Room 6		
720JH-30A	Room 10	Plaster ceiling skim	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hrs

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st page

Samples Collected By: JH Date: 7/20/09 Time: AM/AM

Samples [Rec'd][Sent By]: [ ][ ] Date: [ ][ ] Time: [ ][ ]

Samples Received By: (BV) Date: 7/24/09 Time: 9:40 am

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

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SAMPLE LOG FOR ASBESTOS BULKS

09 JUL 29 AM 9:50

Sheet 10 of 10

Project Name: Bourne Public Schools

Project No. 200-70914-A4E

Building: Peebles Elementary School

Project Manager: Bob May

Sample ID	Sample Location	Material	Result (%)
-30B	Room 11	Plaster ceiling skim	
-30C	12		
-30D	1		
-30E	2		
-30F	3		
-30G	6		

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 hrs

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. 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: See 1st Page

Samples Collected By: JH Date: 7/20/09 Time: AM/PM

Samples [Rec'd][Sent By]: [ ][JH] Date: [ ][7/22/09] Time: [ ][PM]

Samples Received By: SV Date: 7/24/09 Time: 9:40 am

Shipped To: ☒ EMSL (State) _____ ☐ Other _____

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

EnviroScience Sample Report
April 2010

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone: (781) 933-8411 Fax: (781) 933-8412 Email: bostonlab@emsl.com

Attn: **Bob May**
Fuss & O' Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Fax: (413) 647-0018 Phone: (860) 646-2469

Project: **20070914.A6E / Bourne Public Schools; Peebles Elementary School; Boiler**

Customer ID: ENVI54
Customer PO:
Received: 04/06/10 3:35 PM
EMSL Order: 131001366

EMSL Proj:
Analysis Date: 4/8/2010

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

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
331DD-01A *131001366-0001*	Boiler Exterior; Boiler Jacket Insulation	Gray Fibrous Heterogeneous	25% 25%	Glass Min. Wool	50%	Non-fibrous (other)	**None Detected**
331DD-01B *131001366-0002*	Boiler Exterior; Boiler Jacket Insulation	Gray Fibrous Homogeneous	25% 10%	Min. Wool Glass	65%	Non-fibrous (other)	**None Detected**
331DD-01C *131001366-0003*	Boiler Exterior; Boiler Breeching TSI	Gray Fibrous Homogeneous	15% 25%	Glass Min. Wool	60%	Non-fibrous (other)	**None Detected**
331DD-02A *131001366-0004*	Boiler Interior; Friable TSI @ Int Boiler Ribbing	Brown Fibrous Homogeneous			60%	Non-fibrous (other)	**40% Chrysotile**
331DD-02B *131001366-0005*	Boiler Interior; Friable TSI @ Int Boiler Ribbing						**Stop Positive (Not Analyzed)**
331DD-02C *131001366-0006*	Boiler Interior; Friable TSI @ Int Boiler Ribbing						**Stop Positive (Not Analyzed)**
331DD-03A *131001366-0007*	Boiler Ext underside; Boiler Roping @ Bottom Seams	White Fibrous Homogeneous	95%	Glass	5%	Non-fibrous (other)	**None Detected**

Analyst(s)

Steve Grise (27)

Renaldo Drakes
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 dete 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 v 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. Ir and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 7 Constitution Way, Suite 107, WoburnMA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone: (781) 933-8411 Fax: (781) 933-8412 Email: bostonlab@emsl.com

Attn: **Bob May**
Fuss & O' Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Fax: (413) 647-0018 Phone: (860) 646-2469

Project: **20070914.A6E / Bourne Public Schools; Peebles Elementary School; Boiler**

Customer ID: ENVI54
Customer PO:
Received: 04/06/10 3:35 PM
EMSL Order: 131001366

EMSL Proj:
Analysis Date: 4/8/2010

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

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
331DD-03B *131001366-0008*	Boiler Ext underside; Boiler Roping @ Bottom Seams	White Fibrous Homogeneous	95%	Glass	5%	Non-fibrous (other)	**None Detected**	
331DD-03C *131001366-0009*	Boiler Ext underside; Boiler Roping @ Bottom Seams	White Fibrous Homogeneous	95%	Glass	5%	Non-fibrous (other)	**None Detected**	
331DD-04A *131001366-0010*	Hot Water Tank; Boiler Rm; Hot Water Tank TSI	Gray Fibrous Homogeneous	25% 15%	Min. Wool Glass	60%	Non-fibrous (other)	**None Detected**	
331DD-04B *131001366-0011*	Hot Water Tank; Boiler Rm; Hot Water Tank TSI	Gray Fibrous Homogeneous	15% 25%	Glass Min. Wool	60%	Non-fibrous (other)	**None Detected**	
331DD-05 *131001366-0012*	Piping under Hot Water Tank; Cloth Insulation Wrap	Tan Fibrous Homogeneous	95%	Glass	5%	Non-fibrous (other)	**None Detected**	
331DD-06 *131001366-0013*	Boiler @ Breeching Pentration; Flue Patch Material	Gray Fibrous Heterogeneous	20%	Min. Wool	80%	Non-fibrous (other)	**None Detected**	
331DD-07 *131001366-0014*	Boiler Ext Front; Insul @ Front Circular Panel	Gray Fibrous Heterogeneous			90%	Non-fibrous (other)	**10%**	**Chrysotile**

Analyst(s)

Steve Grise (27)

Renaldo Drakes
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 7 Constitution Way, Suite 107, WoburnMA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone: (781) 933-8411 Fax: (781) 933-8412 Email: bostonlab@emsl.com

Attn: **Bob May**
Fuss & O' Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Fax: (413) 647-0018 Phone: (860) 646-2469

Project: **20070914.A6E / Bourne Public Schools; Peebles Elementary School; Boiler**

Customer ID: ENVI54
Customer PO:
Received: 04/06/10 3:35 PM
EMSL Order: 131001366

EMSL Proj:
Analysis Date: 4/8/2010

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

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
331DD-08 *131001366-0015*	Boiler Duct; White Cloth Vibration Isolator	White Fibrous Homogeneous	95%	Glass	5%	Non-fibrous (other)		**None Detected**
331DD-09A *131001366-0016*	Boiler Exterior; Ext Gasket @ Metal Fixed Panels	Tan/White Fibrous Heterogeneous			75%	Non-fibrous (other)	**25%**	**Chrysotile**
331DD-09B *131001366-0017*	Boiler Exterior; Ext Gasket @ Metal Fixed Panels							**Stop Positive (Not Analyzed)**
331DD-10 *131001366-0018*	Boiler Doors; Residual Door Gaskets	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)		**None Detected**
331DD-11 *131001366-0019*	Piping under Hot Water Tank; Red Gasket a/w Piping	Red/Beige Non-Fibrous Heterogeneous	10%	Wollastonite	90%	Non-fibrous (other)		**None Detected**
331DD-12A *131001366-0020*	Boiler Interior; Boiler Debris	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)		**None Detected**
331DD-12B *131001366-0021*	Boiler Interior; Boiler Debris	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)		**None Detected**

Analyst(s)

Steve Grise (27)

Renaldo Drakes
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 7 Constitution Way, Suite 107, WoburnMA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL35710

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone: (781) 933-8411 Fax: (781) 933-8412 Email: bostonlab@emsl.com

Attn: **Bob May**
Fuss & O' Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Fax: (413) 647-0018 Phone: (860) 646-2469

Project: **20070914.A6E / Bourne Public Schools; Peebles Elementary School; Boiler**

Customer ID: ENVI54
Customer PO:
Received: 04/06/10 3:35 PM
EMSL Order: 131001366

EMSL Proj:
Analysis Date: 4/8/2010

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

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
331DD-13 *131001366-0022*	Backside of Boiler; White Friable Gaskets	Gray Non-Fibrous Homogeneous	20%	Min. Wool	80%	Non-fibrous (other)	**None Detected**
331DD-14A *131001366-0023*	Boiler Interior; Boiler Brick	Red Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
331DD-14B *131001366-0024*	Boiler Interior; Boiler Brick	Red Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
331DD-14C *131001366-0025*	Boiler Interior; Boiler Brick	Red Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
331DD-15A *131001366-0026*	Boiler Base; Red Brick Boiler Base; Solid	Red Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
331DD-15B *131001366-0027*	Boiler Base; Red Brick Boiler Base; Solid	Red Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
331DD-15C *131001366-0028*	Boiler Base; Red Brick Boiler Base; Solid	Red Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Analyst(s)

Steve Grise (27)

Renaldo Drakes
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 dete 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 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. In and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 7 Constitution Way, Suite 107, WoburnMA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

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Phone: (781) 933-8411 Fax: (781) 933-8412 Email: bostonlab@emsl.com

Attn: **Bob May**
Fuss & O' Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Fax: (413) 647-0018 Phone: (860) 646-2469

Project: **20070914.A6E / Bourne Public Schools; Peebles Elementary School; Boiler**

Customer ID: ENVI54
Customer PO:
Received: 04/06/10 3:35 PM
EMSL Order: 131001366

EMSL Proj:
Analysis Date: 4/8/2010

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

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
331DD-16A *131001366-0029*	Boiler Base Center; Orange Open Brick Base Insert	Orange Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
331DD-16B *131001366-0030*	Boiler Base Center; Orange Open Brick Base Insert	Orange Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**

Analyst(s)

Steve Grise (27)

Renaldo Drakes
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 dete 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 v 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. Ir and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc. 7 Constitution Way, Suite 107, WoburnMA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL35710

THIS IS THE LAST PAGE OF THE REPORT.

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30 SAMPLES

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 3

Project Name: BOURNE PUBLIC SCHOOLS Project No. 20070914.A6E

Building: PEEBLES ELEMENTARY SCHOOL - BOILER Project Manager: BOB MAY

Sample ID	Sample Location	Material	Result (%)
331DD-01A	BOILER EXTERIOR	BOILER JACKET INSULATION (FRIABLE)	
-01B	↓	↓	
-01C	↓	BOILER BREECHING TSI	
331DD-02A	BOILER INTERIOR	FRIABLE TSI @ INTERIOR BOILER RIBBING	
-02B	↓	↓	
-02C	↓	↓	
331DD-03A	BOILER EXTERIOR (UNDERSIDE)	BOILER PIPING @ BOTTOM SEAMS	
-03B	↓	↓	
-03C	↓	↓	
331DD-04A	HOT WATER TANK (BOILER ROOM)	HOT WATER TANK TSI	
-04B	↓	↓	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 HOUR

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 4/8/10. 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 @ 1ST POSITIVE IN EACH HOMOGENEOUS SET

Samples Collected By: D.D. Date: 3/31/10 Time: P.M.

Samples [Rec'd][Sent By]: [ ][D.D.] Date: [ ][4/6] Time: [ ][P.M]

Samples Received By: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL (State) MA ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ UPS Overnight ☐ UPS Ground ☒ Other DROPOFF

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APR 06 2010
BY: SG 1535

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 3

Project Name: BOURNE PUBLIC SCHOOLS Project No. 20070914.A6E

Building: PEEBLES ELEMENTARY SCHOOL - BOILER Project Manager: BOB MAY

Sample ID	Sample Location	Material	Result (%)
331DD-05	PIPING UNDER HOT WATER TANK	CLOTH INSULATION WRAP	
331DD-06	BOILER @ BREECHING PENETRATION	FLUE PATCH MATERIAL (GREY)	
331DD-07	BOILER EXTERIOR FRONT	INSULATION @ FRONT CIRCULAR PANEL	(WHITE/FRIABLE)
331DD-08	BOILER DUCT	WHITE CLOTH VIBRATION ISOLATOR	X 3 (30 SF)
331DD-09A	BOILER EXTERIOR	EXTERIOR GASKET @ METAL FIXED PANELS	
-09B	↓	↓	
331DD-10	BOILER DOORS	RESIDUAL DOOR GASKETS	
331DD-11	PIPING UNDER HOT WATER TANK	RED GASKET A/W PIPING	2 EA (7 SF)
331DD-12A	BOILER INTERIOR	BOILER ~~DOORS~~ DEBRIS	
-12B	↓	↓	
331DD-13	BACKSIDE OF BOILER (PIPING)	WHITE FRIABLE GASKETS	6 EA

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 HOUR

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 4/8/10. 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 @ 1ST POSITIVE IN EACH HOMOGENEOUS SET

Samples Collected By: D.D. Date: 3/31/10 Time: A.M.

Samples [Rec'd][Sent By]: [ ][D.D.] Date: [ ][4/6] Time: [ ][A.M]

Samples Received By: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL (State) MA ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ UPS Overnight ☐ UPS Ground ☒ Other DROP OFF

RECEIVED
APR 06 2010
BY: SA 1535

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 3 of 3

Project Name: BOURNE PUBLIC SCHOOLS Project No. 20070914.A6E

Building: PEEBLES ELEMENTARY SCHOOL - BOILER Project Manager: BOB MAY

Sample ID	Sample Location	Material	Result (%)
331DD-14A	BOILER INTERIOR	INTERIOR BOILER BRICK	
-14B	↓	↓	
-14C	↓	↓	
331DD-15A	BOILER BASE	RED BRICK BOILER-BASE (SOLID BRICK)	
-15B	↓	↓	
-15C	↓	↓	
331DD-16A	BOILER BASE (CENTER)	ORANGE OPEN-BRICK BASE INSERT (HOLLOW CENTER)	
-16B	↓	↓	

Analysis Method: ☒ PLM ☐ Other _____ Turnaround Time 48 HOUR

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 4/8/10. 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 @ 1ST POSITIVE IN EACH HOMOGENEOUS SET

Samples Collected By: D.D. Date: 3/31/10 Time: P.M.

Samples [Rec'd] [Sent By]: [ ] [D.D.] Date: [ ] [4/6] Time: [ ] [P.M.]

Samples Received By: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL (State) MA ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ UPS Overnight ☐ UPS Ground ☒ Other DROP OFF

RECEIVED
APR 06 2010
BY: SA 1535

EnviroScience Sample Report
August 2012

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
bostonlab@emsl.com

EMSL Order:	131204023
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Bob May**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/15/12 4:30 PM
Analysis Date:	8/16/2012
Collected:	8/15/2012

Project: **Peebles Elementary School; Bourne, MA**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1 *131204023-0001*	Boy's Bath Basement - Rough Plaster Window Surround	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
2 *131204023-0002*	Boy's Bath Basement - Rough Plaster Window Surround	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
3 *131204023-0003*	Boy's Bath Basement - Skim Coat Window Surround	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
4 *131204023-0004*	Boy's Bath Basement - Skim Coat Window Surround	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Renaldo Drakes (4)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/16/2012 17:56:13

THIS IS THE LAST PAGE OF THE REPORT.

131204023

Asbestos Chain of Custody

EMSL Order Number (*Lab Use Only*): 131204023

13 95

EMSL ANALYTICAL, INC.
7 CONSTITUTION WAY
SUITE 107
WOBURN, MA 01801
PHONE: (781)-933-8411
FAX: (781)-933-8412

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Company: Fuss & O'neill (Enviroscience)	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 50 Redfield St	
City: Dorchester MA **State/Province:** MA	**Zip/Postal Code:** **Country:**
Report To (Name): Bob May / D. Diedricksen	**Telephone #:**
Email Address:	**Fax #:** **Purchase Order:**
Project Name/Number: Peebles Elementary School	**Please Provide Results:** ☐ Fax ☐ Email
U.S. State Samples Taken: Bourne, MASS	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☑ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ TEM Qual. via Filtration Technique
- ☐ TEM Qual. via Drop-Mount Technique

Other:
- ☐

DAR 8/15/12

☒ **Check For Positive Stop – Clearly Identify Homogenous Group** **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	Boy's Bath Basement rough plaster ~~ceiling~~ Window Surround		8-15
2	Boy's Bath Basement rough plaster ~~ceiling~~ Window Surround		8-15
3	Boy's Bath Basement Skim coat window Surround		8-15
4	Boy's Bath Basement Skim Coat Window Surround		8-15

Client Sample # (s): - **Total # of Samples:** 4

Relinquished (Client): Nicholas Gravallese **Date:** 8-15-12 **Time:** 4:34 pm

Received (Lab): **Date:** **Time:** walkin

Comments/Special Instructions:

Please E-mail Dustin Diedricksen@ D.Diedricksen@Fando.net Thax.

RECEIVED
AUG 15 2012
By JA 1630

TEM UPON REQUEST!!

EMSL Analytical, Inc.
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bostonlab@emsl.com

EMSL Order:	131204082
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Dustin Diedricksen**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/20/12 10:50 AM
Analysis Date:	8/20/2012
Collected:	8/17/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
817NG-01A *131204082-0001*	Cafeteria Window Bank (#6 L-R) - Window Surround Skim Plaster (Underside)	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
817NG-01B *131204082-0002*	Cafeteria Window Bank (#10) - Window Surround Skim Plaster (Underside)	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
817NG-01C *131204082-0003*	Cafeteria Window Bank (#7) - Window Surround Skim Plaster (Frontside)	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
817NG-02A *131204082-0004*	Cafeteria Window Bank (#6 L-R) - Window Surround Skim Plaster (Under)	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
817NG-02B *131204082-0005*	Cafeteria Window Bank (#10) - Window Surround Skim Plaster (Under)	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Renaldo Drakes (8)
Steve Grise (4)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/20/2012 17:09:39

EMSL Analytical, Inc.
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Phone/Fax: (781) 933-8411 / (781) 933-8412
bostonlab@emsl.com

EMSL Order:	131204082
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146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/20/12 10:50 AM
Analysis Date:	8/20/2012
Collected:	8/17/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
817NG-02C *131204082-0006*	Cafeteria Window Bank (#7) - Window Surround Skim Plaster (Front)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
817NG-03A *131204082-0007*	Cafeteria Dropbeam at Ceiling (Near Door) - Skim Plaster	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
817NG-03B *131204082-0008*	Cafeteria Dropbeam at Ceiling (Middle Beam) - Skim Plaster	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
817NG-03C *131204082-0009*	Cafeteria Dropbeam at Ceiling (Corner Near Kitch.) - Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
817NG-04A *131204082-0010*	Cafeteria Dropbeams (Door) - Rough Plaster	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
817NG-04B *131204082-0011*	Cafeteria Dropbeams (Middle) - Rough Plaster	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Renaldo Drakes (8)
Steve Grise (4)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Initial report from 08/20/2012 17:09:39

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Attn: **Dustin Diedricksen**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/20/12 10:50 AM
Analysis Date:	8/20/2012
Collected:	8/17/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
817NG-04C *131204082-0012*	Cafeteria Dropbeams (Kitchen) - Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

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Steve Grise (4)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Initial report from 08/20/2012 17:09:39

131204082

131204082

FUSS & O'NEILL
EnviroScience, LLC

50 Redfield St, Suite 100, Boston, MA 02122

www.fando.com

(617) 282-4675 Fax (617) 282-8253

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 1

Project Name: PEEBLES ELEMENTARY SCHOOL Project No. 20121141. A1E

Building: PEEBLES ELEMENTARY SCHOOL Project Manager: DUSTIN DIEDRICKSEN

Sample ID	Sample Location	Material	Result (%)
817NG-01A	CAFETERIA WINDOW BANK (#6 L-R)	WINDOW SURROUND SKIM PLASTER	(UNDERSIDE)
-01B	(#10)	↓	(UNDERSIDE)
-01C	↓ (#7)	↓	(FRONTSIDE)
817NG-02A	CAFETERIA WINDOW BANK (#6 L-R)	WINDOW SURROUND ROUGH PLASTER	(UNDER)
-02B	(#10)	↓	(UNDER)
-02C	(#7)	↓	(FRONT)
817NG-03A	CAFETERIA DROPBEAMS @ CEILING (NEAR DOOR)	SKIM PLASTER	
-03B	↓ (MIDDLE BEAM)	↓	
-03C	(CORNER NEAR KITCHEN)	↓	
817NG-04A	CAFETERIA DROP BEAMS (DOOR)	ROUGH PLASTER	
-04B	↓ (MIDDLE)	↓	
-04C	↓ (KITCHEN)	↓	

Analysis Method: ☒ PLM ☐ Other (SA 8/20/12)

Turnaround Time 6 HOUR

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 8/20. Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instruction: STOP AT 1ST POSITIVE. HOLD SAMPLES.

Samples collected by: NG + D.D. Date: 8/17/12 Time: PM

Samples [Rec'd] [Sent by] [ ] [D.D.] Date: [ ] [8/20/12] Time: AM

Samples Received by: ____ Date: ____ Time: ____

Shipped To: ☒ EMSL State MA ☐ Other ____

Method of Shipment: ☐ Fed Ex ☐ UPS Overnight ☐ UPS Ground ☒ Other DROP OFF

RECEIVED
AUG 20 2012
By SA 1050

W-in

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
bostonlab@emsl.com

EMSL Order:	131204139
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Dustin Diedricksen**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/22/12 9:30 AM
Analysis Date:	8/22/2012
Collected:	8/21/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
821DD-01A *131204139-0001*	Kitchen @ OverheadDuct a/w Range Hood Drop Ceiling - Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-01B *131204139-0002*	Kitchen @ OverheadDuct a/w Range Hood Drop Ceiling - Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-01C *131204139-0003*	Kitchen @ OverheadDuct a/w Range Hood Drop Ceiling - Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-02A *131204139-0004*	Kitchen @ OverheadDuct a/w Range Hood Drop Ceiling - Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-02B *131204139-0005*	Kitchen @ OverheadDuct a/w Range Hood Drop Ceiling - Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)
Steve Grise (31)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Initial report from 08/22/2012 14:33:05

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
821DD-02C *131204139-0006*	Kitchen @ OverheadDuct a/w Range Hood Drop Ceiling - Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-03A *131204139-0007*	Kitchen @ OverheadDuct a/w Range Hood Drop Ceiling - Caulking @ Ductwork and Plaster Ceiling	Tan Non-Fibrous Homogeneous		95% Non-fibrous (other)	**5% Chrysotile**
821DD-03B *131204139-0008*	Kitchen @ OverheadDuct a/w Range Hood Drop Ceiling - Caulking @ Ductwork and Plaster Ceiling				**Stop Positive (Not Analyzed)**
821DD-04A *131204139-0009*	Kitchen Window Surround - Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-04B *131204139-0010*	Kitchen Window Surround - Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-05A *131204139-0011*	Kitchen Window Surround - Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)
Steve Grise (31)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
821DD-05B *131204139-0012*	Kitchen Window Surround - Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-06A *131204139-0013*	Basement Boys Bathroom - Smooth Skim Plaster Ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-06B *131204139-0014*	Basement Boys Bathroom - Smooth Skim Plaster Ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-06C *131204139-0015*	Basement Girls Bathroom - Smooth Skim Plaster Ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-06D *131204139-0016*	1st Fl Boys Bathroom - Smooth Skim Plaster Drop Ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-06E *131204139-0017*	1st Fl Girls Bathroom - Smooth Skim Plaster Drop Ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-07A *131204139-0018*	Basement Boys Bathroom - Rough Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Steve Grise (31)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/22/2012 14:33:05

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
bostonlab@emsl.com

EMSL Order:	131204139
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Dustin Diedricksen**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/22/12 9:30 AM
Analysis Date:	8/22/2012
Collected:	8/21/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
821DD-07B *131204139-0019*	Basement Boys Bathroom - Rough Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-07C *131204139-0020*	Basement Girls Bathroom - Rough Ceiling Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	**None Detected**
821DD-07D *131204139-0021*	1st Fl Boys Bathroom - Rough Drop Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-07E *131204139-0022*	1st Fl Girls Bathroom - Rough Drop Ceiling Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	**None Detected**
821DD-08A *131204139-0023*	Annex Boys Bathroom 1st Fl - Smooth Ceiling Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-08B *131204139-0024*	Annex Girls Bathroom 1st Fl - Smooth Ceiling Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-08C *131204139-0025*	Annex Girls Bathroom 1st Fl - Smooth Ceiling Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)
Steve Grise (31)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/22/2012 14:33:05

EMSL Analytical, Inc.
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EMSL Order:	131204139
CustomerID:	ENVI54
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ProjectID:	

Attn: **Dustin Diedricksen**
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146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/22/12 9:30 AM
Analysis Date:	8/22/2012
Collected:	8/21/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
821DD-08D *131204139-0026*	Annex Boys Ground/Basement Bathroom - Smooth Ceiling Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-08E *131204139-0027*	Annex Girls Ground/Basement Bathroom - Smooth Ceiling Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-09A *131204139-0028*	Annex Boys Bathroom 1st Fl - Smooth Ceiling Rough Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-09B *131204139-0029*	Annex Girls Bathroom 1st Fl - Smooth Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-09C *131204139-0030*	Annex Girls Bathroom 1st Fl - Smooth Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
821DD-09D *131204139-0031*	Annex Boys Ground/Basement Bathroom - Smooth Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Steve Grise (31)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/22/2012 14:33:05

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bostonlab@emsl.com

EMSL Order:	131204139
CustomerID:	ENVI54
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ProjectID:	

Attn: **Dustin Diedricksen**
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Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/22/12 9:30 AM
Analysis Date:	8/22/2012
Collected:	8/21/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
821DD-09E *131204139-0032*	Annex Girls Ground/Basement Bathroom - Smooth Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Steve Grise (31)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/22/2012 14:33:05

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EnviroScience, LLC

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www.fando.com

50 Redfield St, Suite 100, Boston, MA 02122

(617) 282-4675 Fax (617) 282-8253

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 3

Project Name: ~~Bourne~~ Peebles Elementary School Project No. 20121141.A1E

Building: Peebles Elementary School Project Manager: Dustin Diedricksen

	Sample ID	Sample Location	Material	Result (%)
1	821DD-01A	Kitchen @ overhead duct associated with range hood (drop ceiling)	Skim plaster	Approx 50SF
2	-01B	↓	↓	↓
3	-01C	↓	↓	↓
4	821DD-02A	↓	Rough plaster	↓
5	-02B	↓	↓	↓
6	-02C	↓	↓	↓
7	821DD-03A	↓	Caulking at ductwork and plaster ceiling	25LF
8	-03B	↓	↓	↓
9	821DD-04A	~~Cafe~~ Kitchen window surround	Skim plaster	↓
10	-04B	↓	↓	↓
11	821DD-05A	↓	Rough plaster	↓
12	-05B	↓	↓	↓

Analysis Method: [X] PLM [ ] Other

Turnaround Time: 6 Hour

(5) 8/22/12

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instruction: Stop at 1st positive in each homogeneous set. Hold samples

Samples collected by: D.D Date: 8/21/12 Time: PM.

Samples [Rec'd] [Sent by] [ ] [NG] Date: [ ] [8/21/12] Time: PM

Samples Received by: _____ Date: _____ Time: _____

Shipped To: [X] EMSL State MA [ ] Other _____

Method of Shipment: [X] Fed Ex [ ] UPS Overnight [ ] UPS Ground [ ] Other

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 3

Project Name: PEEBLES ELEMENTARY SCHOOL Project No. 20121141. A1E

Building: PEEBLES ELEMENTARY SCHOOL Project Manager: JUSTIN DIEDRICKSEN

	Sample ID	Sample Location	Material	Result (%)
13	821DD-06A	BASEMENT BOYS BATHROOM	SMOOTH SKIM PLASTER CEILING	
14	-06B	BASEMENT BOYS BATHROOM		
15	-06C	BASEMENT GIRLS BATHROOM		
16	-06D	1ST FLOOR BOYS BATHROOM	(DROP CEILING)	
17	-06E	1ST FLOOR GIRLS BATHROOM		
18	821DD-07A	BASEMENT BOYS BATHROOM	ROUGH CEILING PLASTER	
19	-07B	〃	〃	
20	-07C	BASEMENT GIRLS BATHROOM	〃	
21	-07D	1ST FLOOR BOYS BATHROOM	(DROP CEILING)	
22	-07E	1ST FLOOR GIRLS BATHROOM	〃	
23	821DD-08A	ANNEX BOYS BATHROOM 1ST FLOOR	SMOOTH CEILING SKIM PLASTER	
24	-08B	ANNEX GIRLS BATHROOM 1ST FLOOR	〃	

Analysis Method: ☒ PLM ☐ Other

Turnaround Time 6 HOUR

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instruction: SEE 1ST PAGE

Samples collected by: A.A. Date: 8/21/12 Time: PM

Samples [Rec'd] [Sent by] [ ] [NG] Date: [ ] [8/21/12] Time: PM

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State MA ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ UPS Overnight ☐ UPS Ground ☐ Other

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 3 of 3

Project Name: PEEBLES ELEMENTARY SCHOOL Project No. 20121141.A1E

Building: PEEBLES ELEMENTARY SCHOOL Project Manager: AUSTIN DIEDRICKSEN

	Sample ID	Sample Location	Material	Result (%)
25	-08C	↓ GROUND/		
26	-08D	ANNEX BOYS BASEMENT BATHROOM		
27	-08E	ANNEX GIRLS GROUND/BASEMENT	↓ BATHROOM	
28	82IDD-09A	ANNEX BOYS BATH 1ST FL.	SMOOTH CEILING ROUGH PLASTER	
29	-09B	GIRLS BATH 1ST FL.		
30	-09C	GIRLS BATH 1ST FL.		
31	-09D	BOYS BATH BGROUND/BASEMENT		
32	-09E	↓ GIRLS BATH GROUND/BASEMENT	↓	

Analysis Method: ☒ PLM ☐ Other

Turnaround Time 6 Hour

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instruction: STOP AT 1ST POSITIVE

Samples collected by: A.D. Date: 8/21/12 Time: PM

Samples [Rec'd][Sent by] [ ][NG] Date: [ ][8/21/12] Time: PM

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State MA ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ UPS Overnight ☐ UPS Ground ☐ Other

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By SA 0930

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7 Constitution Way, Suite 107, Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
bostonlab@emsl.com

EMSL Order:	131204211
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Dustin Diedricksen**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/23/12 5:05 PM
Analysis Date:	8/24/2012
Collected:	8/22/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
0826DD-01A *131204211-0001*	Copy Room - Skim Ceiling Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0826DD-01B *131204211-0002*	Copy Room - Skim Ceiling Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0826DD-01C *131204211-0003*	Music Room - Skim Ceiling Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0826DD-01D *131204211-0004*	Teacher's Lounge - Skim Ceiling Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0826DD-01E *131204211-0005*	Teacher's Lounge - Skim Ceiling Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0826DD-02A *131204211-0006*	Copy Room - Rough Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0826DD-02B *131204211-0007*	Copy Room - Rough Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0826DD-02C *131204211-0008*	Music Room - Rough Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Kevin Pine (4)
Steve Grise (6)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/24/2012 16:24:04

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
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bostonlab@emsl.com

EMSL Order:	131204211
CustomerID:	ENVI54
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ProjectID:	

Attn: **Dustin Diedricksen**
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146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/23/12 5:05 PM
Analysis Date:	8/24/2012
Collected:	8/22/2012

Project: **20121141.A1E / Peebles Elementary School**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
0826DD-02D *131204211-0009*	Teacher's Lounge - Rough Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0826DD-02E *131204211-0010*	Teacher's Lounge - Rough Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)
Kevin Pine (4)
Steve Grise (6)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Initial report from 08/24/2012 16:24:04

131204211

131204211

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50 Redfield St, Suite 100, Boston, MA 02122

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 1

Project Name: PEEBLES ELEMENTARY SCHOOL Project No. 2012141.AIE

Building: PEEBLES ELEMENTARY SCHOOL Project Manager: DUSTIN DIEDRICKSEN

	Sample ID	Sample Location	Material	Result (%)
1	0826DD-01A	COPY ROOM	SKIM CEILING PLASTER	
2	-01B	COPY ROOM	↓	
3	-01C	MUSIC ROOM	↓	
4	-01D	TEACHERS' LOUNGE	↓	
5	-01E	TEACHERS' LOUNGE	↓	
6	0826DD-02A	COPY ROOM	RASH CEILING PLASTER	
7	-02B	COPY ROOM	↓	
8	-02C	MUSIC ROOM	↓	
9	-02D	TEACHERS' LOUNGE	↓	
10	-02E	TEACHERS' LOUNGE	↓	

Analysis Method: ☒ PLM ☐ Other

Turnaround Time 24 HOUR

SO 8/24/12

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____ Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instruction: STOP AT 1ST POSITIVE. NO POINT COUNTING

Samples collected by: D.D. Date: 8/22/12 Time: PM

Samples [Rec'd] [Sent by] [ ] [JH] Date: [ ] [8/23/12] Time: PM

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State MA ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ UPS Overnight ☐ UPS Ground ☒ Other DROP OFF

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By DAR 1705

Q:\EnviroScience\Admin\FORMS\Mass Forms\Asbestos Bulks Chain of Custody Boston rev 0611.doc

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EMSL Order:	131204268
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ProjectID:	

Attn: **Bob May**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/27/12 4:09 PM
Analysis Date:	8/27/2012
Collected:	8/27/2012

Project: **Peebles Elem. School; Bourne, MA**

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

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
827-NG-1 *131204268-0001*	Classroom 2 - Window Glazing White Thin Coat	White Non-Fibrous Heterogeneous			98%	Non-fibrous (other)	**2%**	**Chrysotile**
827-NG-2 *131204268-0002*	Classroom 2 - Window Glazing White Thin Coat	White Non-Fibrous Heterogeneous			98%	Non-fibrous (other)	**2%**	**Chrysotile**
827-NG-3 *131204268-0003*	Classroom 6 - Window Glazing White/Thin	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)		**None Detected**
827-NG-4 *131204268-0004*	Classroom 6 - Window Glazing White/Thin	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)		**None Detected**
827-NG-5 *131204268-0005*	Classroom 8 - Vinyl Covering on Radiators Tan/Purple	Tan Non-Fibrous Heterogeneous	3%	Cellulose	97%	Non-fibrous (other)		**None Detected**
827-NG-6 *131204268-0006*	Classroom 8 - Vinyl Covering on Radiators Tan/Purple	Brown Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)		**None Detected**
827-NG-7 *131204268-0007*	Classroom 8 - Caulking Window Gray	Gray Fibrous Heterogeneous	15%	Cellulose	83%	Non-fibrous (other)	**2%**	**Chrysotile**
827-NG-8 *131204268-0008*	Classroom 7 - Caulking Window Gray	Gray Non-Fibrous Heterogeneous	15%	Cellulose	83%	Non-fibrous (other)	**2%**	**Chrysotile**

Analyst(s)

Renaldo Drakes (12)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/27/2012 18:22:21

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
bostonlab@emsl.com

EMSL Order:	131204268
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Bob May**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	08/27/12 4:09 PM
Analysis Date:	8/27/2012
Collected:	8/27/2012

Project: **Peebles Elem. School; Bourne, MA**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
827-NG-9 *131204268-0009*	Classroom 5 - Newer Smooth Glazing Win	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
827-NG-10 *131204268-0010*	Classroom 5 - Newer Smooth Glazing Win	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
827-NG-11 *131204268-0011*	Classroom 6 Ext. - Caulking Win. Gray, White	White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	**2% Chrysotile**
827-NG-12 *131204268-0012*	Café Ext. - White Window Glazing	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Renaldo Drakes (12)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 08/27/2012 18:22:21

FUSS & O'NEILL
EnviroScience, LLC

50 Redfield St, Suite 100, Boston, MA 02122

www.fando.com

(617) 282-4675 Fax (617) 282-8253

SAMPLE LOG FOR ASBESTOS BULKS

Bourne MA

Sheet 1 of 1

Project Name: Peebles Elem School Project No. 20114.A1C DUSTIN A

Building: Peebles Elem School Project Manager: RIEDRICKSEN

Sample ID	Sample Location	Material	Result (%)
SLG NG-1	CLASSROOM (WA)	WINDOW WHITE CLAZING THICK SEAL	
2	CLASSROOM (210)	↓	
3	CLASSROOM	WINDOW GLAZING WHITE THICK	
4	↓	↓	
5	CLASSROOM	VINYL COVERING ON RADIATORS	
6	↓	↓ TAN/BEIGE	
7	CLASS.	CAULKING WINDOW GRAY	
8	CLASS	↓	
9	CLASS	NEWER STRAIGHT GLAZING WIN	
10	↓	↓	
11	CLASS EXT	CAULKING WIN. WRAP WHITE	
12	CAFE EXT	WHITE WINDOW GLAZING	

Analysis Method: ☒ PLM ☐ Other DAR 8/27/12

Turnaround Time 3 HR

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 8/(4). Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instruction: NO POINT COUNT
ANALYZE ALL SAMPLES
CALL 617-778-3270

Samples collected by: NG Date: 8/24/12 Time: PM

Samples [Rec'd] [Sent by] [COURIER] Date: [/ /] Time: PM PI

Samples Received by: _____ Date: _____ Time: _____

Shipped To: ☒ EMSL State MAIL ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ UPS Overnight ☐ UPS Ground ☒ Other DRIVE

RECEIVED
AUG 27 2012
By DAR 1609

EnviroScience Sample Report
July 2013

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
bostonlab@emsl.com

EMSL Order:	131303044
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Dustin Diedricksen**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	
Received:	07/19/13 9:30 AM
Analysis Date:	7/23/2013
Collected:	

Project: **20121141.A1E / Bourne Public Schools; Peebles Elementary School Cafeteria**

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

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
718DD-01A *131303044-0001*	Art Room - Ceiling Skim Plaster	White Non-Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**<1%**	**Chrysotile**
718DD-01B *131303044-0002*	Art Room - Ceiling Skim Plaster	White Non-Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**<1%**	**Chrysotile**
718DD-01C *131303044-0003*	Art Room - Ceiling Skim Plaster	White Non-Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**<1%**	**Chrysotile**
718DD-02A *131303044-0004*	Art Room - Ceiling Rough Plaster	White Non-Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**<1%**	**Chrysotile**
		Sample appears to be skim plaster.						
718DD-02B *131303044-0005*	Art Room - Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
718DD-02C *131303044-0006*	Art Room - Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
718DD-03A *131303044-0007*	Kitchen - Ceiling Skim Plaster	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
718DD-03B *131303044-0008*	Kitchen - Ceiling Skim Plaster	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**

Analyst(s)

Kevin Pine (10)
Steve Grise (6)

Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 07/23/2013 12:46:56

EMSL Analytical, Inc.
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bostonlab@emsl.com

EMSL Order:	131303044
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

Attn: **Dustin Diedricksen**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	
Received:	07/19/13 9:30 AM
Analysis Date:	7/23/2013
Collected:	

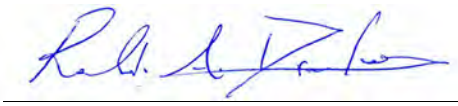
Project: **20121141.A1E / Bourne Public Schools; Peebles Elementary School Cafeteria**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
718DD-03C *131303044-0009*	Kitchen - Ceiling Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
718DD-03D *131303044-0010*	Bathroom off Kitchen - Ceiling Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
718DD-03E *131303044-0011*	Pantry - Ceiling Skim Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
718DD-04A *131303044-0012*	Kitchen - Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
718DD-04B *131303044-0013*	Kitchen - Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
718DD-04C *131303044-0014*	Kitchen - Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
718DD-04D *131303044-0015*	Bathroom off Kitchen - Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
718DD-04E *131303044-0016*	Pantry - Ceiling Rough Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Kevin Pine (10)
Steve Grise (6)



Renaldo Drakes, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 07/23/2013 12:46:56

131303044

131303044

24 HOUR

FUSS + O'NEILL ENVIROSCIENCE - CHAIN TO BE EMAILED
PROJECT MANAGER - AUSTIN DIEDRICKSEN
PROJECT NAME - BOURNE PUBLIC SCHOOLS - PEEBLES
P.O. = 20121141AIE ELEMENTARY SCHOOL (CAFETERIA)

	Sample Number	Location	Material	Analysis
1	718DD-01A	ART ROOM	CEILING SKIM PLASTER	
2	-01B			
3	-01C			
4	718DD-02A		CEILING ROUGH PLASTER	
5	-02B			
6	-02C			
7	718DD-03A	KITCHEN	CEILING SKIM PLASTER	
8	-03B	KITCHEN		
9	-03C	KITCHEN		
10	-03D	BATHROOM OFF KITCHEN		
11	-03E	PANTRY		
12	718DD-04A	KITCHEN	CEILING ROUGH PLASTER	
13	-04B	KITCHEN		
14	-04C	KITCHEN		
15	-04D	BATHROOM OFF KITCHEN		
16	-04E	PANTRY		

24 HOUR TURNAROUND

FedEx#7995 5206 4577

RECEIVED
JUL 19 2013
By SA 0930

EnviroScience Sample Report
December 2014

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com bostonlab@emsl.com

EMSL Order:	131405507
CustomerID:	ENVI54
CustomerPO:	20121141.B2E
ProjectID:	

Attn: **Dustin Diedricksen**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	12/08/14 9:00 AM
Analysis Date:	12/9/2014
Collected:	12/5/2014

Project: **20121141.B2E / Bourne Public Schools; Peebles Elementary**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A-RCM-1205 *131405507-0001*	Ground Floor Stairwell Landing - Smooth White Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
01B-RCM-1205 *131405507-0002*	Ground Floor Stairwell Landing - Smooth White Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
01C-RCM-1205 *131405507-0003*	Ground Floor Stairwell Landing - Smooth White Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Kevin Pine (3)

Steve Grise, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3 and VT AL357102

Initial report from 12/09/2014 12:33:28

OrderID: 131405507

131405507

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EnviroScience, LLC

www.fando com

50 Redfield Street, Suite 100, Boston, MA 02122 Phone (617) 282-4675 Fax (617) 282-8253

Asbestos Bulk Sample Chain-of-Custody

Sheet 1 of 1

Project Name: Barnes Public Schools - Peebles Elementary **Project No.:** 20121141.D2E

Building Name/Number: Peebles Elementary **Project Manager:** D Diedricksen

Site Address: _____ **Total # of Samples:** 3

	Sample ID (#-Initials-Date)	Material Type	Sample Location	Comments/ Quantities
1	01A - RCM - 1205	~~smooth~~ White Plaster Skim Coat	Ground Flr Stairwell Landing	
2	01B - RCM - 1205	↓	↓	
3	01C - RCM - 1205			

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 24hr

Please call EnviroScience at (617) 282-4675 if analyses will not be completed for requested t/a/t listed above.

Email Results to: DDiedricksen **@fando.com** **Do Not Mail Hard Copy Report** **FAX Results to: 888-838-1160.**

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are **ALL** negative by PLM, analyze the sample denoted with a star (★) by **TEM NOB** on a [ ] t/a/t. Analyze a **MAXIMUM** of [ ] samples by **TEM in noted order.**

Samples Collected by: RM **Date:** 12/05/2014

Samples Sent by: RM **Date:** 12/5/14 **Time:** _____

Shipped To: ☒ EMSL ☐ Other FedEx# 7900

Method of Shipment: ☒ Fed Ex ☐ Lab Drop Off ☐ Other 4119 0031

RECEIVED
DEC 08 2014
By SU 0900

EnviroScience Sample Report
November 2015

EMSL Analytical, Inc.

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

EMSL Order ID:	041532674
Customer ID:	ENVI54
Customer PO:	20150666.A1E
Project ID:	

Attn:	Dustin Diedricksen	Phone:	(860) 646-2469
	Fuss & O'Neill EnviroScience, LLC	Fax:	(888) 838-1160
	146 Hartford Road	Collected:	10/26/2015
	Manchester, CT 06040	Received:	11/02/2015
		Analyzed:	11/06/2015

Proj: Peebles Elementary School Feasibility Study / 20150666.A1E / 70 Trowbridge Road, Bourne, MA

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

Client Sample ID: 01A-RCM-1026 ***Lab Sample ID:*** **041532674-0001**

Sample Description: Connector bldg roof/Gray flashing sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	100%	None Detected	
TEM Grav. Reduction	11/05/2015	Gray	0.0%	100%	None Detected	

Client Sample ID: 01B-RCM-1026 ***Lab Sample ID:*** **041532674-0002**

Sample Description: Connector bldg roof/Gray flashing sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 02A-RCM-1026 ***Lab Sample ID:*** **041532674-0003**

Sample Description: Annex roof/Black flashing sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Black	15%	85%	None Detected	
TEM Grav. Reduction	11/05/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 02B-RCM-1026 ***Lab Sample ID:*** **041532674-0004**

Sample Description: Annex roof/Black flashing sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	0%	100%	None Detected	

Client Sample ID: 03A-RCM-1026 ***Lab Sample ID:*** **041532674-0005**

Sample Description: Annex roof/Black built-up roofing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Black	25%	75%	None Detected	
TEM Grav. Reduction	11/05/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 03B-RCM-1026 ***Lab Sample ID:*** **041532674-0006**

Sample Description: Connector roof/Black built-up roofing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	25%	75%	None Detected	

EMSL Analytical, Inc.

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

EMSL Order ID:	041532674
Customer ID:	ENVI54
Customer PO:	20150666.A1E
Project ID:	

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

Client Sample ID: 04A-RCM-1026 ***Lab Sample ID:*** **041532674-0007**

Sample Description: Annex roof/Black hot mop

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Black	35%	65%	None Detected	
TEM Grav. Reduction	11/05/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 04B-RCM-1026 ***Lab Sample ID:*** **041532674-0008**

Sample Description: Connector roof/Black hot mop

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	10%	90%	None Detected	

Client Sample ID: 05A-RCM-1026 ***Lab Sample ID:*** **041532674-0009**

Sample Description: Annex roof/Gray asphalt roof shingle

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray/Black	25%	75%	None Detected	
TEM Grav. Reduction	11/05/2015	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: 05B-RCM-1026 ***Lab Sample ID:*** **041532674-0010**

Sample Description: Main roof/Gray asphalt roof shingle

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray/Black	10%	90%	None Detected	

Client Sample ID: 06A-RCM-1026 ***Lab Sample ID:*** **041532674-0011**

Sample Description: Annex roof/White louver caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	White	0%	95%	**5% Chrysotile**	

Client Sample ID: 06B-RCM-1026 ***Lab Sample ID:*** **041532674-0012**

Sample Description: Annex roof/White louver caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 07A-RCM-1026 ***Lab Sample ID:*** **041532674-0013**

Sample Description: Annex roof/White flashing sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	White	0%	100%	None Detected	
TEM Grav. Reduction	11/05/2015	White	0.0%	100%	None Detected	

Client Sample ID: 07B-RCM-1026 ***Lab Sample ID:*** **041532674-0014**

Sample Description: Annex roof/White flashing sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	100%	None Detected	

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

EMSL Order ID: 041532674
Customer ID: ENVI54
Customer PO: 20150666.A1E
Project ID:

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

Client Sample ID: 08A-RCM-1026 ***Lab Sample ID:*** **041532674-0015**
Sample Description: Annex roof/Gray door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	96%	**4% Chrysotile**	

Client Sample ID: 08B-RCM-1026 ***Lab Sample ID:*** **041532674-0016**
Sample Description: Annex roof/Gray door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 09A-RCM-1026 ***Lab Sample ID:*** **041532674-0017**
Sample Description: Annex roof/Black roof felt b/w 05

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Black	60%	40%	None Detected	

Client Sample ID: 09B-RCM-1026 ***Lab Sample ID:*** **041532674-0018**
Sample Description: Main bldg roof/Black roof felt b/w 05

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	60%	40%	None Detected	

Client Sample ID: 11A-RCM-1026 ***Lab Sample ID:*** **041532674-0019**
Sample Description: Attic/Tan pipe-thread sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan	0%	100%	None Detected	Very limited sample
TEM Grav. Reduction	11/05/2015	Tan	0.0%	100%	None Detected	

Client Sample ID: 11B-RCM-1026 ***Lab Sample ID:*** **041532674-0020**
Sample Description: Cafeteria/Tan pipe-thread sealant

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan	0%	100%	None Detected	

Client Sample ID: 12A-RCM-1026 ***Lab Sample ID:*** **041532674-0021**
Sample Description: Above 1st floor classrooms/Gray drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	15%	85%	None Detected	

Client Sample ID: 12B-RCM-1026 ***Lab Sample ID:*** **041532674-0022**
Sample Description: Above 1st floor classrooms/Gray drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Brown/Gray	70%	30%	None Detected	

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Client Sample ID: 13A-RCM-1026 ***Lab Sample ID:*** **041532674-0023**
Sample Description: Room 7/24x24 red w/white splotch floor tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	White/Red	0%	100%	None Detected	

Client Sample ID: 13B-RCM-1026 ***Lab Sample ID:*** **041532674-0024**
Sample Description: Room 7/24x24 red w/white splotch floor tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White/Red	0%	100%	None Detected	

Client Sample ID: 14A-RCM-1026 ***Lab Sample ID:*** **041532674-0025**
Sample Description: Room 5/24x24 tan w/white & brown splotch floor tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 14B-RCM-1026 ***Lab Sample ID:*** **041532674-0026**
Sample Description: Room 5/24x24 tan w/white & brown splotch floor tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan/White	0%	100%	None Detected	

Client Sample ID: 15A-RCM-1026 ***Lab Sample ID:*** **041532674-0027**
Sample Description: Room 3/12x12 dark gray mottled floor tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	100%	None Detected	

Client Sample ID: 15B-RCM-1026 ***Lab Sample ID:*** **041532674-0028**
Sample Description: Room 3/12x12 dark gray mottled floor tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 17A-RCM-1026 ***Lab Sample ID:*** **041532674-0029**
Sample Description: Room 8/Black caulking assoc w/window & wall ballads

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Black	0%	100%	None Detected	
TEM Grav. Reduction	11/05/2015	Black	0.0%	100%	None Detected	

Client Sample ID: 17B-RCM-1026 ***Lab Sample ID:*** **041532674-0030**
Sample Description: Room 4/Black caulking assoc w/window & wall ballads

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	0%	100%	None Detected	

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Client Sample ID: 18A-RCM-1026 ***Lab Sample ID:*** **041532674-0031**
Sample Description: Room 8/Tan caulking assoc w/ window wall ballads

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan	0%	100%	None Detected	
TEM Grav. Reduction	11/05/2015	Tan	2.8%	97.2%	None Detected	

Client Sample ID: 18B-RCM-1026 ***Lab Sample ID:*** **041532674-0032**
Sample Description: Room 4/Tan caulking assoc w/ window wall ballads

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan	0%	100%	None Detected	

Client Sample ID: 19A-RCM-1026 ***Lab Sample ID:*** **041532674-0033**
Sample Description: Ground floor boys' room/Gray ceramic floor tile grout

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	100%	None Detected	

Client Sample ID: 19B-RCM-1026 ***Lab Sample ID:*** **041532674-0034**
Sample Description: 1st floor boys' room/Gray ceramic floor tile grout

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 20A-RCM-1026-Window Sill ***Lab Sample ID:*** **041532674-0035**
Sample Description: Room 11/Black composite windowsill

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan/Black	0%	100%	None Detected	

Client Sample ID: 20B-RCM-1026 ***Lab Sample ID:*** **041532674-0036**
Sample Description: Room 4/Black composite windowsill

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	0%	100%	None Detected	

Client Sample ID: 21A-RCM-1026 ***Lab Sample ID:*** **041532674-0037**
Sample Description: Ground floor boys' room/Gray ceramic floor tile adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	100%	None Detected	

Client Sample ID: 21B-RCM-1026 ***Lab Sample ID:*** **041532674-0038**
Sample Description: 1st floor boys' room/Gray ceramic floor tile adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

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Client Sample ID: 22A-RCM-1026 ***Lab Sample ID:*** **041532674-0039**
Sample Description: Ground floor boys' room/Dark gray ceramic wall tile adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	100%	None Detected	

Client Sample ID: 22B-RCM-1026 ***Lab Sample ID:*** **041532674-0040**
Sample Description: 1st floor boys' room/Dark gray ceramic wall tile adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 23A-RCM-1026 ***Lab Sample ID:*** **041532674-0041**
Sample Description: Ground floor boys' room/Gray ceramic wall tile grout

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	100%	None Detected	

Client Sample ID: 23B-RCM-1026 ***Lab Sample ID:*** **041532674-0042**
Sample Description: 1st floor boys' room/Gray ceramic wall tile grout

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 24A-RCM-1026 ***Lab Sample ID:*** **041532674-0043**
Sample Description: Ground floor boys' room/Tan interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan	0%	100%	None Detected	
TEM Grav. Reduction	11/05/2015	Tan	0.0%	100%	None Detected	

Client Sample ID: 24B-RCM-1026 ***Lab Sample ID:*** **041532674-0044**
Sample Description: 1st floor boys' room/Tan interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray/Tan	0%	100%	None Detected	

Client Sample ID: 25A-RCM-1026 ***Lab Sample ID:*** **041532674-0045**
Sample Description: 1st floor boys' room/Gray mud set

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	100%	None Detected	

Client Sample ID: 25B-RCM-1026 ***Lab Sample ID:*** **041532674-0046**
Sample Description: Ground floor boys' room/Gray mud set

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

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Client Sample ID: 26A-RCM-1026 ***Lab Sample ID:*** **041532674-0047**
Sample Description: Annex-2nd floor boys' room/Gray mud set

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Gray	0%	100%	None Detected	

Client Sample ID: 26B-RCM-1026 ***Lab Sample ID:*** **041532674-0048**
Sample Description: Annex-1st floor boys' room/Gray mud set

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 27A-RCM-1026 ***Lab Sample ID:*** **041532674-0049**
Sample Description: Connector hallway-1st/1x1 white fissured splined ceiling tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	White	90%	10%	None Detected	

Client Sample ID: 27B-RCM-1026 ***Lab Sample ID:*** **041532674-0050**
Sample Description: Connector hallway-Ground/1x1 white fissured splined ceiling tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	100%	None Detected	

Client Sample ID: 28A-RCM-1026 ***Lab Sample ID:*** **041532674-0051**
Sample Description: Annex hallway to lobby doors/Tan window glazing compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan	0%	100%	None Detected	Very limited sample

Client Sample ID: 28B-RCM-1026 ***Lab Sample ID:*** **041532674-0052**
Sample Description: Annex hallway to lobby doors/Tan window glazing compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan	0%	100%	None Detected	

Client Sample ID: 29A-RCM-1026 ***Lab Sample ID:*** **041532674-0053**
Sample Description: Room 14/Tan interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan	0%	95%	**5% Chrysotile**	

Client Sample ID: 29B-RCM-1026 ***Lab Sample ID:*** **041532674-0054**
Sample Description: Room 18/Tan interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015				Stop Positive (Not Analyzed)	

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Client Sample ID: 30A-RCM-1026 ***Lab Sample ID:*** **041532674-0055**
Sample Description: Room 14/White interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	White	0%	100%	None Detected	
TEM Grav. Reduction	11/05/2015	White	0.0%	100%	None Detected	

Client Sample ID: 30B-RCM-1026 ***Lab Sample ID:*** **041532674-0056**
Sample Description: Room 18/White interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	100%	None Detected	

Client Sample ID: 31A-RCM-1026 ***Lab Sample ID:*** **041532674-0057**
Sample Description: Wood entry doors/Tan window glazing compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan	0%	98%	**2% Chrysotile**	

Client Sample ID: 31B-RCM-1026 ***Lab Sample ID:*** **041532674-0058**
Sample Description: Wood entry doors/Tan window glazing compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/03/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 32A-RCM-1026 ***Lab Sample ID:*** **041532674-0059**
Sample Description: Cafeteria doors/Tan interior door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	Tan	0%	94%	**6% Chrysotile**	

Client Sample ID: 32B-RCM-1026 ***Lab Sample ID:*** **041532674-0060**
Sample Description: Main bldg doors at connector/Tan interior door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/03/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 33A-RCM-1026 ***Lab Sample ID:*** **041532674-0061**
Sample Description: Annex-Ground level boys' room/White plaster skim coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	White	0%	100%	None Detected	

Client Sample ID: 33B-RCM-1026 ***Lab Sample ID:*** **041532674-0062**
Sample Description: Annex-Ground level girls' room/White plaster skim coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	White	0%	100%	None Detected	

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Client Sample ID: 33C-RCM-1026 ***Lab Sample ID:*** **041532674-0063**
Sample Description: Annex-1st floor girls' room/White plaster skim coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/03/2015	White	0%	100%	None Detected	

Client Sample ID: 33D-RCM-1026 ***Lab Sample ID:*** **041532674-0064**
Sample Description: Annex-1st floor boys' room/White plaster skim coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	100%	None Detected	

Client Sample ID: 33E-RCM-1026 ***Lab Sample ID:*** **041532674-0065**
Sample Description: Annex-Hallway o/s 14 & 15/White plaster skim coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	100%	None Detected	

Client Sample ID: 34A-RCM-1026 ***Lab Sample ID:*** **041532674-0066**
Sample Description: Annex-Ground level boys' room/Gray plaster rough coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 34B-RCM-1026 ***Lab Sample ID:*** **041532674-0067**
Sample Description: Annex-Ground level girls' room/Gray plaster rough coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 34C-RCM-1026 ***Lab Sample ID:*** **041532674-0068**
Sample Description: Annex-1st floor girls' room/Gray plaster rough coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 34D-RCM-1026 ***Lab Sample ID:*** **041532674-0069**
Sample Description: Annex-1st floor girls' room/Gray plaster rough coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	100%	None Detected	

Client Sample ID: 34E-RCM-1026 ***Lab Sample ID:*** **041532674-0070**
Sample Description: Annex-Ground level girls' room/Gray plaster rough coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	100%	None Detected	

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Client Sample ID: 35A-RCM-1026 ***Lab Sample ID:*** **041532674-0071**
Sample Description: At connector hallway-Ground floor/Tan interior door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan	0%	98%	**2% Chrysotile**	

Client Sample ID: 35B-RCM-1026 ***Lab Sample ID:*** **041532674-0072**
Sample Description: At connector hallway-1st floor/Tan interior door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 36A-RCM-1026 ***Lab Sample ID:*** **041532674-0073**
Sample Description: Connector window walls/Tan interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan	0%	95%	**5% Chrysotile**	

Client Sample ID: 36B-RCM-1026 ***Lab Sample ID:*** **041532674-0074**
Sample Description: Connector window walls/Tan interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 37A-RCM-1026 ***Lab Sample ID:*** **041532674-0075**
Sample Description: Connector window walls/Gray window glazing compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	98%	**2% Chrysotile**	

Client Sample ID: 37B-RCM-1026 ***Lab Sample ID:*** **041532674-0076**
Sample Description: Connector window walls/Gray window glazing compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 38A-RCM-1026 ***Lab Sample ID:*** **041532674-0077**
Sample Description: Cafeteria/Gray interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	98%	**2% Chrysotile**	

Client Sample ID: 38B-RCM-1026 ***Lab Sample ID:*** **041532674-0078**
Sample Description: Cafeteria/Gray interior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/04/2015				Stop Positive (Not Analyzed)	

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Client Sample ID: 39A-RCM-1026 ***Lab Sample ID:*** **041532674-0079**
Sample Description: Exterior-Main bldg/Brown exterior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Brown	0%	100%	None Detected	
TEM Grav. Reduction	11/05/2015	Brown	0.0%	100%	None Detected	

Client Sample ID: 39B-RCM-1026 ***Lab Sample ID:*** **041532674-0080**
Sample Description: Exterior-Main bldg/Brown exterior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Brown	0%	100%	None Detected	

Client Sample ID: 40A-RCM-1026 ***Lab Sample ID:*** **041532674-0081**
Sample Description: Exterior-Main bldg/Black through-wall flashing mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	0%	100%	None Detected	

Client Sample ID: 40B-RCM-1026 ***Lab Sample ID:*** **041532674-0082**
Sample Description: Exterior-Main bldg/Black through-wall flashing mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Brown/Black	5%	95%	None Detected	

Client Sample ID: 41A-RCM-1026 ***Lab Sample ID:*** **041532674-0083**
Sample Description: Annex-Exterior/Tan exterior windowsill caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan	0%	95%	**5% Chrysotile**	

Client Sample ID: 41B-RCM-1026 ***Lab Sample ID:*** **041532674-0084**
Sample Description: Annex-Exterior/Tan exterior windowsill caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 42A-RCM-1026 ***Lab Sample ID:*** **041532674-0085**
Sample Description: Annex-Exterior/Gray exterior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

Client Sample ID: 42B-RCM-1026 ***Lab Sample ID:*** **041532674-0086**
Sample Description: Annex-Exterior/Gray exterior window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray	0%	100%	None Detected	

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Client Sample ID: 43A-RCM-1026 ***Lab Sample ID:*** **041532674-0087**
Sample Description: Annex-Exterior/White exterior windowsill caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	92%	**8% Chrysotile**	

Client Sample ID: 43B-RCM-1026 ***Lab Sample ID:*** **041532674-0088**
Sample Description: Annex-Exterior/White exterior windowsill caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 44A-RCM-1026 ***Lab Sample ID:*** **041532674-0089**
Sample Description: Door b/w 17 & 18/Off-white door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	White	0%	100%	None Detected	
TEM Grav. Reduction	11/05/2015	White	0.0%	100%	None Detected	

Client Sample ID: 44B-RCM-1026 ***Lab Sample ID:*** **041532674-0090**
Sample Description: Door b/w 23 & 24/Off-white door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Brown/White	0%	100%	None Detected	

Client Sample ID: 45A-RCM-1026 ***Lab Sample ID:*** **041532674-0091**
Sample Description: Door b/w 16 & 15/Tan door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan	0%	98%	**2% Chrysotile**	

Client Sample ID: 45B-RCM-1026 ***Lab Sample ID:*** **041532674-0092**
Sample Description: Door b/w 16 & 15/Tan door caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015				Stop Positive (Not Analyzed)	

Client Sample ID: 46A-RCM-1026 ***Lab Sample ID:*** **041532674-0093**
Sample Description: Room 9/Tan int window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Gray/Tan	0%	100%	None Detected	
TEM Grav. Reduction	11/06/2015	Gray/Tan	0.0%	100%	None Detected	

Client Sample ID: 46B-RCM-1026 ***Lab Sample ID:*** **041532674-0094**
Sample Description: Room 11/Tan int window caulking

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Tan	0%	100%	None Detected	

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EMSL Order ID: 041532674
Customer ID: ENVI54
Customer PO: 20150666.A1E
Project ID:

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

Client Sample ID: 47A-RCM-1026 ***Lab Sample ID:*** **041532674-0095**
Sample Description: Behind brick at main bldg/Black dampproofing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	40%	60%	None Detected	

Client Sample ID: 47B-RCM-1026 ***Lab Sample ID:*** **041532674-0096**
Sample Description: Behind brick at main bldg/Black dampproofing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	30%	70%	None Detected	

Client Sample ID: 50A-RCM-1026 ***Lab Sample ID:*** **041532674-0097**
Sample Description: Pipe tunnel/Brown concrete paper

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Brown	80%	20%	None Detected	

Client Sample ID: 50B-RCM-1026 ***Lab Sample ID:*** **041532674-0098**
Sample Description: Crawlspace/Brown concrete paper

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Brown/Black	95%	5%	None Detected	

Client Sample ID: 51A-RCM-1026 ***Lab Sample ID:*** **041532674-0099**
Sample Description: Pipe tunnel/Black mastic assoc w/50

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	0%	100%	None Detected	

Client Sample ID: 51B-RCM-1026 ***Lab Sample ID:*** **041532674-0100**
Sample Description: Crawlspace/Black mastic assoc w/50

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/04/2015	Black	0%	100%	None Detected	

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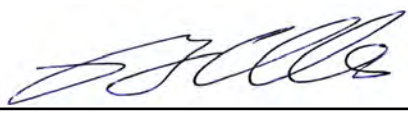
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Customer PO:	20150666.A1E
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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Analyst(s):

Alexis Kum	PLM (45)
Dave Poitras	PLM (10)
Debbie Little	TEM Grav. Reduction (14)
Seri Smith	PLM (33)

Reviewed and approved by:



Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

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

Initial report from: 11/04/201513:03:05

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Asbestos Bulk Sample Chain-of-Custody

Sheet 1 of 7

Project Name: Peebles Elementary School Feasibility Study **Project No.:** 20150666.A1E

Building Name/Number: Peebles Elementary School **Project Manager:** D Diedricksen

Site Address: 70 Trowbridge Road, Bourne, MA **Total # of Samples:** 100 ~~96~~ 105

	Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
#16	01A -RCM-1026	Gray Flashing Sealant	Connecter Bldg. Raf	
	01B -RCM-1026	↓ ↓	↓	
#17	02A -RCM-1026	Black Flashing Sealant	Annex Raf	
	02B -RCM-1026	↓ ↓	↓	
#18	03A -RCM-1026	Black Built-up Roofing	Annex Raf	
	03B -RCM-1026	↓ ↓	Connecter Raf	
#19	04A -RCM-1026	Black Hot Mop	Annex Raf	5/n Poly #30
	04B -RCM-1026	↓	Connecter Raf	
#20	05A -RCM-1026	Gray Asphalt Raf Shingle	Annex Reef	
	05B -RCM-1026	↓ ↓	Main Raf	
#21	06A -RCM-1026	White Louver Caulking	Annex Raf	
	06B -RCM-1026	↓ ↓	↓	
#22	07A -RCM-1026	White Flashing Sealant	Annex Raf	
	07B -RCM-1026	↓ ↓	↓	
#23	~~08B~~ 08A -RCM-1026	Gray Door Caulking	Annex Raf	

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Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 48-hour

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Email Results to: ddiedricksen @fando.com **Do Not Mail Hard Copy Report** **FAX Results to: 888-838-1160.**

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted Do not layer samples unless indicated. Do not point count. If NOB group samples are ALL negative by PLM, analyze the sample denoted with a star (★) by TEM NOB on a 48-hour t/a/t. Analyze a MAXIMUM of 20 samples by TEM in noted order.

Samples Collected by: Rob Mallett + Mike Coffey **Date:** 10/26/2015 + 10/28/2015

Samples Sent by: FCM **Date:** 10/30/15 **Time:** _____

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Asbestos Bulk Sample Chain-of-Custody

Sheet 2 of 7

Project Name: Peebles Elementary School Feasibility Study **Project No.:** 20150666.A1E

Building Name/Number: Peebles Elementary School **Project Manager:** D Diedricksen

Site Address: 70 Trowbridge Road, Bourne, MA **Total # of Samples:** 10 ~~96~~ ~~105~~

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
08B -RCM-1026	Gray Door Caulking	Annex Roof	
09A -RCM-1026	Black Roof Felt b/n 05	Annex Roof	
09B -RCM-1026	↓ ↓	Main Bldg. Roof	
NOB 10 11A -RCM-1026	Tan Pipe-Thread Sealant	Attic	q/u Fire Suppression System
11B -RCM-1026	↓	Cafeteria	
12A -RCM-1026	Gray Drywall	Above 1st Floor Classrooms	
12B -RCM-1026	↓	↓	
13A -RCM-1026	24x24 Red w/ White Splotch	Room 7	
13B -RCM-1026	↓ Floor Tile	↓	
14A -RCM-1026	24x24 Tan w/ White + Brown	Room 5	
14B -RCM-1026	↓ Splotch Floor Tile	↓	
15A -RCM-1026	12x12 Dark Gray Mottled	Room 3	
15B -RCM-1026	↓ Floor Tile	↓	
2016 17A -RCM-1026	Black Caulking of Window	Room 8	
★11 17B -RCM-1026	↓ Wall Ballards	Room 4	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 15 ~~48~~-hour

Please call EnviroScience at (617) 282-4675 if analyses will not be completed for requested t/a/t listed above.

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Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are **ALL** negative by PLM, analyze the sample denoted with a star (★) by **TEM NOB** on a 48-hour t/a/t. Analyze a **MAXIMUM** of 20 samples by **TEM in noted order.**

Samples Collected by: Ross Mallett + Mike Cathy **Date:** 10/26/2015 + 10/28/2015

Samples Sent by: FM **Date:** 10/30/15 **Time:** _____

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Sheet 3 of 7

Project Name: Peebles Elementary School Feasibility Study **Project No.:** 20150666.A1E

Building Name/Number: Peebles Elementary School **Project Manager:** D Diedricksen

Site Address: 70 Trowbridge Road, Bourne, MA **Total # of Samples:** 96 + 10

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
★2 18A -RCM-1026	Tan Caulking a/o Window ↓ Wall Ballards	Room 8	
18B -RCM-1026		Room 4	
19A -RCM-1026	Gray Ceramic Flor Tile Grout ↓ ↓	Grand Flor Boys Room	
19B -RCM-1026		1st Flor Boys Room	
20A -RCM-1026	Black Composit Windo Sill ↓ ↓	Room 11	
20B -RCM-1026		Room 4	
21A -RCM-1026	Gray Ceramic Flor Tile Adhesive ↓ ↓	Grand Flor Boys Roor	
21B -RCM-1026		1st Flor Boys Room	
22A -RCM-1026	Dark Gray Ceramic Wall Tile ↓ Adhesive	Grand Flor Boys Room	
22B -RCM-1026		1st Flor Boys Roor	
23A -RCM-1026	Gray Ceramic Wall Tile ↓ Grout	Grand Flor Boys Roor	
23B -RCM-1026		1st Flor Boys Room	
★3 24A -RCM-1026	Tan Interior Windo Caulking ↓ ↓	Grand Flor Boys Roor	
24B -RCM-1026		1st Flor Boys Roor	
25A -RCM-1026	Gray Mud Set	1st Flor Boys Room	

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Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ **Turnaround Time:** 48-hour

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Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count If NOB group samples are **ALL** negative by PLM, analyze the sample denoted with a star (★) by **TEM NOB** on a 48-hour t/a/t. Analyze a **MAXIMUM** of 20 samples by **TEM in noted order.**

Samples Collected by: Ross Mallet + Mike Coffey **Date:** 10/26/2015 + 10/28/2015

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Sheet 4 of 7

Project Name: Peebles Elementary School Feasibility Study **Project No.:** 20150666.A1E

Building Name/Number: Peebles Elementary School **Project Manager:** D Diedricksen

Site Address: 70 Trowbridge Road, Bourne, MA **Total # of Samples:** 96 of 100

	Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
	25B -RCM-1026	Gray Mud set	Grand Floor Boys Rear	
	26A -RCM-1026	Gray Mud set	Annex - 2nd Floor Boys Room	
	26B -RCM-1026	"	Annex - 1st Floor Girls Room	
	27A -RCM-1026	1x1 White Fissured Spline	Connector Hallway - 1st	
	27B -RCM-1026	" ceiling Tile	" - Grand	
	28A -RCM-1026	Tan Window Glazing Compound	Annex Hallway to Library Doors	
	28B -RCM-1026	" "	" "	
★4	29A -RCM-1026	Tan Interior Window	Room 14	
	29B -RCM-1026	" Caulking	Room 18	
★5	30A -RCM-1026	White Interior Window	Room 14	
	30B -RCM-1026	" Caulking	Room 18	
	31A -RCM-1026	Tan Window Glazing Compound	Wood Entry Doors	
	31B -RCM-1026	" "	"	
★6	32A -RCM-1026	Tan Interior Door Caulking	Cafeteria Doors	
	32B -RCM-1026	" "	Main Bldg Doors @ Connector	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 48-hour

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Samples Collected by: Ken Mallett + Mike Codlay **Date:** 10/26/2015 + 10/28/2015

Samples Sent by: RM **Date:** 10/30/15 **Time:**

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Sheet 5 of 7

Project Name: Peebles Elementary School Feasibility Study **Project No.:** 20150666.A1E

Building Name/Number: Peebles Elementary School **Project Manager:** D Diedricksen

Site Address: 70 Trowbridge Road, Bourne, MA **Total # of Samples:** 10 ~~96~~ ~~101~~

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
33A -RCM-1026	White Plaster Skim Coat	Annex - Grand level Boys Room	
33B -RCM-1026	↓	↓ Girls Room	
33C -RCM-1026	↓	1st Floor ↓	
33D -RCM-1026	↓	↓ Boys	
33E -RCM-1026	↓ ↓	↓ - Hallway o/s 14 & 15	
34A -RCM-1026	Gray Plaster Rough Coat	Annex - Grand level Boys Room	
34B -RCM-1026	↓	↓ Girls Room	
34C -RCM-1026	↓	1st Floor ↓	
34D -RCM-1026	↓	↓ Boys Room	
34E -RCM-1026	↓ ↓	↓ Grand level Girls Room	
★7 35A -RCM-1026	Tan Interior Door Caulking	@ Connector Hallway - Grd Floor	
35B -RCM-1026	↓ ↓	↓ - 1st Floor	
★8 36A -RCM-1026	Tan Interior Window Caulking	Connector Window Walls	
36B -RCM-1026	↓ ↓	↓ ↓	
37A -RCM-1026	Gray Window Glazing Compound	↓ ↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 48-hour

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Samples Collected by: Ross Mallett & Mike Colby **Date:** 10/26/2015 + 10/28/2015

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Asbestos Bulk Sample Chain-of-Custody

Sheet 6 of 7

Project Name: Peebles Elementary School Feasibility Study **Project No.:** 20150666.A1E

Building Name/Number: Peebles Elementary School **Project Manager:** D Diedricksen

Site Address: 70 Trowbridge Road, Bourne, MA **Total # of Samples:** 100 96 ~~105~~

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
37B -RCM-1026	Gray Window Glazing Compd	Connector Windows Walls	
★9 38A -RCM-1026	Gray Interior Window Caulk	Cafeteria	
38B -RCM-1026	1 2	1	
★10 39A -RCM-1026	Brown Exterior Window Caulking	Exterior - Main Bldg.	- HOLD
39B -RCM-1026	1 1	1	- HOLD
40A -RCM-1026	Black Through-Wall Flashing	Exterior - Main Bldg	Base to Cone.
40B -RCM-1026	1 Mastic	1	
★11 41A -RCM-1026	Tan Exterior Window Sill	Annex - Exterior	
41B -RCM-1026	2 Caulking	2	
★12 42A -RCM-1026	Gray Exterior Window Caulking	Annex Exterior	
42B -RCM-1026	1 1	1	
★13 43A -RCM-1026	White Exterior Window Sill		
~~43B~~ 430 -RCM-1026	1 caulking	1	
★14 44A -RCM-1026	off-white Door Caulking	Door b/v 17 + 18	
44B -RCM-1026	1	1 b/v 23 + 24	

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Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 48-hour

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Samples Collected by: Ross Mallett & Mike Colby **Date:** 10/26/2015 + 10/28/2015

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Sheet 7 of 7

Project Name: Peebles Elementary School Feasibility Study **Project No.:** 20150666.A1E

Building Name/Number: Peebles Elementary School **Project Manager:** D Diedricksen

Site Address: 70 Trowbridge Road, Bourne, MA **Total # of Samples:** 100 ~~96~~ 102

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
45A -RCM-1026	Tan Door Caulking	Door S/O 16x15	
45B -RCM-1026	↓	↓	
*14 46A -RCM-1026	Tan Int. Window Caulking	Room 9	
46B -RCM-1026	↓ ↓	Room 11	
47A -RCM-1026	Black Dampproofing	Behind bocce @ Main Bldg	
47B -RCM-1026	↓	↓	
~~48 RCM-1026~~	Soil	Crawlspace	
~~49 RCM-1026~~	~~Pipe + Soil~~	Pipe Tunnel	
50A -RCM-1026	Brown Corrug Paper	Pipe Tunnel	
50B -RCM-1026	↓	Crawlspace	
51A -RCM-1026	Black Mastic w/ 50	Pipe Tunnel	
51B -RCM-1026	↓	Crawlspace.	
-RCM-1026			
-RCM-1026			
-RCM-1026			

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Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 48-hour

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Samples Collected by: [signature] Mallett + Mike Colby **Date:** 10/26/2015 + 10/28/2015

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Attention:	Jon Hand	**Phone:**	(401) 595-8270
	Fuss & O'Neill EnviroScience, LLC	**Fax:**	(888) 838-1160
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	Manchester, CT 06040	**Analysis Date:**	03/06/2017 - 03/07/2017
		Collected Date:	02/22/2017

Project: 20150666.A3E Task 15 / Peebles School, Pre-Demolition Survey / Peebles Elementary School , 70 Trowbridge Rd, Bourne, MA

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A-JH-0222 *131700824-0001*	Northwest Corner - Black Vapor Barrier Felt Behind Stone Veneer	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
01B-JH-0222 *131700824-0002*	Northwest Corner - Black Vapor Barrier Felt Behind Stone Veneer	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
02A-JH-0222 *131700824-0003*	Gymnasium - Black Felt Floor Paper	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
02B-JH-0222 *131700824-0004*	Gymnasium - Black Felt Floor Paper	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
03A-JH-0222 *131700824-0005*	1950s Attic - Black Fiberglass Batt Mastic	Brown/Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
03B-JH-0222 *131700824-0006*	1950s Attic - Black Fiberglass Batt Mastic	Brown/Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
04A-JH-0222 *131700824-0007*	1950s Attic - Black Fiberglass Batt Backing Paper	Brown/Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
04B-JH-0222 *131700824-0008*	1950s Attic - Black Fiberglass Batt Backing Paper	Brown/Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
05A-JH-0222 *131700824-0009*	Annex Room 20 - Purple Sink Undercoat	Purple Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
05B-JH-0222 *131700824-0010*	Annex Room 21 - Purple Sink Undercoat				Positive Stop (Not Analyzed)
06A-JH-0222 *131700824-0011*	Annex Room 20 - Brown Chalkboard Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06B-JH-0222 *131700824-0012*	Annex Room 21 - Brown Chalkboard Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07A-JH-0222 *131700824-0013*	1950s Room 2 - Brown Corkboard Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07B-JH-0222 *131700824-0014*	1950s Room 3 - Brown Corkboard Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09A-JH-0222 *131700824-0015*	Boiler Room - Gray Single-Coat Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 03/07/2017 07:57:41

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 131700824
Customer ID: ENVI54
Customer PO: 20150666.A3E-15
Project ID:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
09B-JH-0222 *131700824-0016*	Boiler Room - Gray Single-Coat Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09C-JH-0222 *131700824-0017*	Boiler Room - Gray Single-Coat Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09D-JH-0222 *131700824-0018*	Boiler Room - Gray Single-Coat Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09E-JH-0222 *131700824-0019*	Boiler Room - Gray Single-Coat Ceiling Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10A-JH-0222 *131700824-0020*	Main Lobby - 2'x4' White/Gray Fissure & Dot Suspended Ceiling Tile	Gray Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
10B-JH-0222 *131700824-0021*	Main Lobby - 2'x4' White/Gray Fissure & Dot Suspended Ceiling Tile	Gray Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
11A-JH-0222 *131700824-0022*	Main Entrance - Gray Canopy Textured Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11B-JH-0222 *131700824-0023*	Main Entrance - Gray Canopy Textured Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11C-JH-0222 *131700824-0024*	Secondary Entrance - Gray Canopy Textured Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12A-JH-0222 *131700824-0025*	1950s Room 1 - Tan Door Lite Window Glazing Compound	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
12B-JH-0222 *131700824-0026*	1950s Room 6 - Tan Door Lite Window Glazing Compound				Positive Stop (Not Analyzed)
13A-JH-0222 *131700824-0027*	Annex Outside Room 25 (Firebreak Doors) - Tan Door Lite Window Glazing Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
13B-JH-0222 *131700824-0028*	Annex Room 14 - Tan Door Lite Window Glazing Compound				Positive Stop (Not Analyzed)
14A-JH-0222 *131700824-0029*	Connector Firebreak System - Gray Side Lite & Transom Window Glazing Compound	Gray Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
14B-JH-0222 *131700824-0030*	Connector Firebreak System - Gray Side Lite & Transom Window Glazing Compound				Positive Stop (Not Analyzed)

Initial report from: 03/07/2017 07:57:41

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	131700824
Customer ID:	ENVI54
Customer PO:	20150666.A3E-15
Project ID:	

Analyst(s)

Michael Mink (10)
Richard Bergman (16)

Steve Grise, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3, VT AL998919, Maine Bulk Asbestos BA039

Initial report from: 03/07/2017 07:57:41

OrderID: 131700824

131700824

FUSS & O'NEILL
EnviroScience, LLC

EMSL Customer No. ENVI54

www.fando.com

50 Redfield Street, Suite 100, Boston, MA 02122

Phone (617) 282-4675 Fax (617) 282-8253

Asbestos Bulk Sample Chain-of-Custody

Sheet 1 of 2

Project Name: Peebles School, Pre-Demolition Inspection **Project No.:** 20150666.A3E **Task:** 15

Building Name/Number: Peebles Elementary School **Project Manager:** D Diedricksen

Site Address: 70 Trowbridge Rd, Bourne, MA **Total # of Samples:** 30

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
01A-JH-0222	Black Vapor Barrier Felt behind Stone Veneer	Northwest Corner	
01B-JH-0222	Black Vapor Barrier Felt behind Stone Veneer	Northwest Corner	
02A-JH-0222	Black Felt Floor Paper	Gymnasium	
02B-JH-0222	Black Felt Floor Paper	Gymnasium	
03A-JH-0222	Black Fiberglass Batt Mastic	1950s Attic	
03B-JH-0222	Black Fiberglass Batt Mastic	1950s Attic	
04A-JH-0222	Brown Fiberglass Batt Backing Paper	1950s Attic	
04B-JH-0222	Brown Fiberglass Batt Backing Paper	1950s Attic	
05A-JH-0222	Purple Sink Undercoat	Annex Room 20	
05B-JH-0222	Purple Sink Undercoat	Annex Room 21	
06A-JH-0222	Brown Chalkboard Adhesive	Annex Room 20	
06B-JH-0222	Brown Chalkboard Adhesive	Annex Room 21	
07A-JH-0222	Brown Corkboard Adhesive	1950s Room 2	
07B-JH-0222	Brown Corkboard Adhesive	1950s Room 3	
~~08A-JH-0222~~	--	--	
~~08B-JH-0222~~	--	--	
09A-JH-0222	Gray Single-Coat Ceiling Plaster	Boiler Room	
09B-JH-0222	Gray Single-Coat Ceiling Plaster	Boiler Room	
09C-JH-0222	Gray Single-Coat Ceiling Plaster	Boiler Room	
09D-JH-0222	Gray Single-Coat Ceiling Plaster	Boiler Room	
09E-JH-0222	Gray Single-Coat Ceiling Plaster	Boiler Room	
10A-JH-0222	2' x 4' White/Gray Fissure & Dot Suspended Ceiling Tile	Main Lobby	
10B-JH-0222	2' x 4' White/Gray Fissure & Dot Suspended Ceiling Tile	Main Lobby	
11A-JH-0222	Gray Canopy Textured Material	Main Entrance	

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Phone (617) 282-4675 Fax (617) 282-8253

11B-JH-0222	Gray Canopy Textured Material	Main Entrance	
11C-JH-0222	Gray Canopy Textured Material	Secondary Entrance	
12A-JH-0222	Tan Door Lite Window Glazing Compound	1950s Room 1	
12B-JH-0222	Tan Door Lite Window Glazing Compound	1950s Room 6	
13A-JH-0222	Tan Door Lite Window Glazing Compound	Annex outside Room 25 (Firebreak doors)	
13B-JH-0222	Tan Door Lite Window Glazing Compound	Annex Room 14	
14A-JH-0222	Gray Side Lite & Transom Window Glazing Compound	Connector Firebreak System	
14B-JH-0222	Gray Side Lite & Transom Window Glazing Compound	Connector Firebreak System	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1-week

Please call EnviroScience at (617) 282-4675 if analyses will not be completed for requested turnaround time listed above.

Email Results to: jhand & ddiedricksen **@fando.com** **Do Not Mail Hard Copy Report** **FAX Results to: 888-838-1160.**

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. ~~If NOB group samples are **ALL** negative by PLM, analyze the sample denoted with a star (★) by **TEM NOB** on a [redacted] turnaround time. Analyze a **MAXIMUM** of [redacted] samples by **TEM in noted order.**~~

Samples Collected by: JH + RM **Date:** 02/22/2017

Samples Sent by: RM **Date:** 2/27/2017 **Time:** PM

Shipped To: ☒ EMSL ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ Lab Drop Off ☐ Other _____

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By M 9:20

EnviroScience Sample Report
November 2017

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

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

EMSL Order:	131705211
Customer ID:	ENVI54
Customer PO:	20121141.L5E
Project ID:	

Attention:	Dustin Diedricksen	**Phone:**	(617) 778-3750
	Fuss & O'Neill EnviroScience, LLC	**Fax:**	(888) 838-1160
	146 Hartford Road	**Received Date:**	11/16/2017 8:30 AM
	Manchester, CT 06040	**Analysis Date:**	11/16/2017
		Collected Date:	11/15/2017

Project: 20121141.L5E / Peebles Elementary / 70 Trowbridge Rd, Bourne, MA

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A-DD-1115 *131705211-0001*	Storage Room Across From Classroom 13 - Ceiling Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01B-DD-1115 *131705211-0002*	Storage Room Across From Classroom 13 - Ceiling Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01C-DD-1115 *131705211-0003*	Storage Room Across From Classroom 13 - Ceiling Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02A-DD-1115 *131705211-0004*	Classroom 2 Window Surround - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B-DD-1115 *131705211-0005*	Classroom 2 Window Surround - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02C-DD-1115 *131705211-0006*	Classroom 2 Window Surround - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Elizabeth Stutts (2)

Michael Mink (4)

Steve Grise, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3, VT AL998919, Maine Bulk Asbestos BA039

Initial report from: 11/16/2017 11:00:13

OrderID: 131705211

131705211

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EnviroScience, LLC

EMSL Customer No. ENVI54

www.fando.com

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Phone (617) 282-4675 Fax (617) 282-8253

Asbestos Bulk Sample Chain-of-Custody

Sheet ___ of ___

Project Name: Peebles Elementary **Project No.:** 20121141.C5E **Task:** ___

Building Name/Number: Peebles E.S. **Project Manager:** D Dicdricksen

Site Address: 70 Trowbridge Rd, Barre, MA **Total # of Samples:** ___

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
01A - DD-1115	Ceiling Plaster Skim Coat	Storage Room across from Classroom 13	
01B	↓	↓	
01C	↓	↓	
02A	Skim Coat Plaster	Classroom 2 Window Sill	
02B	↓	↓	
02C	↓	↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other ___ Turnaround Time: 3-hr

Please call EnviroScience at (617) 282-4675 if analyses will not be completed for requested turnaround time listed above.

Email Results to: DDiedricksen @fando.com **Do Not Mail Hard Copy Report** **FAX Results to: 888-838-1160.**

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are **ALL** negative by PLM, analyze the sample denoted with a star (★) by **TEM NOB** on a [ ] turnaround time. Analyze a **MAXIMUM** of [ ] samples by **TEM in noted order.**

Samples Collected by: DD **Date:** 11/15/17

Samples Sent by: DD **Date:** 11/15/17 **Time:** ___

Shipped To: ☒ EMSL ☐ Other ___

Method of Shipment: ☒ Fed Ex ☐ Lab Drop Off ☐ Other ___

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Appendix E

Newly Installed Materials Safety Data Sheets

To be Provided by LEA

Appendix F

Sample 6-Month Periodic Surveillance Form

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Sample 6- Month Periodic Surveillance Form

Local Education Agency (LEA): Bourne Public Schools

Facility Name: James F. Peebles Elementary School

Date of Surveillance: _____

ACBM Damage Report

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Original Building						
Friable TSI at Boiler Ribbing	Boiler Room	G				
White Friable TSI at Front Circular Panel	Boiler Room	G				
Exterior Gaskets at Metal Fixed-Panels	Boiler Room	G				
Tan Corrugated Paper-Type Pipe Insulation	1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms	G				
Tan Corrugated Paper-Type Pipe Insulation	Storage Room Across from Classroom 13	G				
Tan Corrugated Paper-Type Pipe Insulation	Concealed within Corridor Walls	IA				
White Mudded Pipe-Fitting Insulation	1st & 2nd Floor Pipe Chases between Boy's & Girl's Bathrooms	G				
White Mudded Pipe-Fitting Insulation	Storage Room across from Classroom 13	G				
White Mudded Pipe-Fitting Insulation	Concealed within Corridor Walls	IA				
White Ceiling Plaster Skim Coat	Basement Hallway (from Cafeteria to End of Hallway)	G				

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
White Ceiling Plaster Skim Coat	Classrooms 9 - 13	G				
White Ceiling Plaster Skim Coat	Storage Room across from Classroom 13	D			10 SF	Observed during 2017 3-Year Re-Inspection
White Ceiling Plaster Skim Coat	Cafeteria	G				
White Vibration Isolator	Attic	G				
White Vibration Isolator	Stage	G				Equipment stored in contact with isolators (observed during 2017 3-Year Re-Inspection)
Gray Fiber-Reinforced Cement Panel	Boiler Room Electrical Panel	G				
9" x 9" Tan with Green Splotch Floor Tile	Music Room & beneath Carpet in Conference Room Area	G				
9" x 9" Green with Streaks Floor Tile	Nurse's Office & Secretary's Office	G				
9" x 9" Tan with Streaks Floor Tile	Stairwell to Attic & Stairwell from Attic Door to Cafeteria	G				
9" x 9" Tan with Streaks Floor Tile	Main Office & Special Equipment Room	G				
9" x 9" Tan with Streaks Floor Tile	Hallway from Main Office to Classroom 7	G				
9" x 9" Dark Brown with Tan Splotch Floor Tile	Special Ed Office (End of 1st Floor Hallway)	G				
9" x 9" Tan with Streaks Floor Tile	Southwest Stairwell (Landings & Stair Treads)	G				
9" x 9" Tan with Streaks Floor Tile	Basement Hallway (from Cafeteria to Exit Door)	G				
9" x 9" Tan with Streaks Floor Tile	Classroom 13	G				

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Annex Building						
Mudded Pipe-Fitting Insulation	Classrooms 17 & 23 Pipe Chase & Classrooms 16 & 22 Pipe Chase	G				
Mudded Pipe-Fitting Insulation	Custodial Closet between Classrooms 16 & 19 & Custodial Closet between Classrooms 14 & 17	G				Make sure stored material is not in contact with fittings
Mudded Pipe-Fitting Insulation	Crawlspace	G				
9" x 9" Gray with Streaks Floor Tile	1st Floor Annex to Original Building Connector Hallway; Classrooms: 15, 18, 21, & 24; Library; Library Stair Treads & Landings; 1st & 2nd Floor Hallways: Rear Stairwell (Landings & Stair Treads); & Custodial Closets	G				
9" x 9" Black with Streaks Floor Tile						
9" x 9" Brown with Streaks Floor Tile	Classrooms: 14, 16, 17, 19, 20, 22, 23, & 25	G				
9" x 9" Tan with Streaks Floor Tile						
White Vibration Isolator	Attic & Custodial Closet between Classrooms 16 & 19	G				
Gray Fiber-Reinforced Cement Panel	Attic	G				

Conditions: D = Damaged; F = Fair; G = Good; IA = Inaccessible; N/A = Not Applicable; SD = Significant Damage; SF = Square Feet

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Surveillance conducted by: _____ _____
(print name) (signature)

I, the LEA's Designated Person, have read and understood the findings noted above: _____
Date: _____

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EnviroScience, LLC

Appendix G

Preventive Measures

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EnviroScience, LLC

Preventive Measures
for Various Asbestos-Containing Building Materials

A. Surfacing Materials

"Surfacing Materials" means materials in a school building that are applied by spray, trowel, or otherwise applied to surfaces. These include sprayed-applied fireproofing materials on structural members, ceiling and wall plasters, or other materials applied to surfaces for acoustical, fireproofing, or other purposes.

Surfacing Materials are generally considered friable and can release asbestos fibers if damaged by impact, air erosion, vibration, and/or water intrusion. When properly implemented, the following procedures will reduce the potential for fiber release:

1. Sprayed-Applied Fireproofing

    a) Identify the materials and post warning signs on the laid-in or glued-in ceiling tile. If the decking is not covered, place the sign on the wall.
    b) Maintain the materials in intact state and undamaged condition. During winter, pigeons, squirrels and other rodents tend to roost in boiler/machine rooms and dislodge sprayed-applied fireproofing on the decking. Prevent such possibilities.
    c) Prevent water leakage. If the material is significantly damaged, removal is the best option. For minor damage, enclosure is a temporary solution. Encapsulation of damaged sprayed-on fireproofing material is not recommended.
    d) Train the custodial people who are responsible for care and maintenance of surfacing materials. Please note that the repair/removal can only be performed by a licensed abatement contractor.

2. Ceiling and Wall Plasters

    a) Identify the materials and post asbestos warning signs.
    b) Maintain the materials in intact state and undamaged condition. Avoid storing/stacking on/near the materials to reduce contact damage.
    c) Prevent water leakage. If the material is significantly damaged, removal is the best option. For minor damage, repair or enclosure is a temporary solution.
    d) Train the custodial people who are responsible for care and maintenance of surfacing materials.

B. Thermal System Insulation (TSI)

"Thermal System Insulation (TSI)" means insulating materials applied to pipes, pipe fittings, boilers, breechings, tanks, ducts, or other components to prevent process heat loss or gain, water condensation, or for other purposes.

TSI are generally considered friable ACBM. This means they can be easily damaged, increasing the potential for fiber release. When properly implemented, the following procedures will reduce the potential for fiber release:

1. Boiler and Breeching Insulation

   a) Identify the locations and label the boiler. Warning signs should be posted outside the boiler room.
   b) Reduce the likelihood of fiber release by ensuring that the insulation is not damaged. Avoid storing/stacking on/near the boiler to reduce contact damage.
   c) Maintain the insulation in intact state and undamaged condition. Repair damaged areas as soon as possible to prevent further deterioration. If repair is not feasible due to extensive damage/deterioration, remove the material.
   d) Train the custodial people who are responsible for care and maintenance of TSI. Please note that the repair/removal can only be performed by a licensed abatement contractor.

2. Pipe, Pipe Fitting, Tank, Duct & Breeching Insulations

   a) Identify the locations and label the materials. Warning signs should be posted outside of rooms that have TSI materials.
   b) Reduce the likelihood of fiber release by ensuring that the materials are not damaged. Avoid storing/stacking near the materials to reduce contact damage.
   c) Maintain all TSI materials in intact state and undamaged condition. Inspect the protective jackets for damage. Repair damaged areas as soon as possible to prevent further deterioration. If repair is not feasible due to extensive damage/deterioration, remove the material.
   d) Train the custodial people who are responsible for care and maintenance of TSI. Please note that the repair/removal can only be performed by a licensed abatement contractor.

C. Miscellaneous Materials

"Miscellaneous Materials" are the other ACBM in a school building that are not categorized as Surfacing Materials or TSI. These include floor tiles, floor tile and carpet mastics, gypsum wallboard and joint compound, ceiling tiles, glue daubs, asbestos cement panels, cove base and associated glue, window/door caulking and glazing compounds, etc. The following maintenance procedures are recommended for these materials:

1. Vinyl Asbestos Floor Tiles (VAT)

Vinyl Asbestos Floor Tiles (VAT) are considered non-friable, however routine maintenance procedures such as spray-buffing, burnishing, wet scrubbing, and stripping can generate asbestos fibers. Following procedures, when properly implemented, will reduce the potential of fiber release:

a) Do not sand, grind, or abrade the tiles. Stripping of VAT should be done as infrequently as possible. When stripping becomes necessary, follow the appropriate work practices. Never perform dry stripping.
b) During spray-buffing or burnishing the floor, operate the machine at the lowest workable speed and use the least abrasive pad. Use a wet mop for routine cleaning whenever possible.
c) Routinely check whether chair and desk glides are in good condition and replace when necessary. Worn glides can gouge the floor and cause fiber release.
d) Place carpets/floor mats in all entrances to reduce abrasion of floor tiles by sand and pebbles. During winter, have parking lots and walkways swept to the extent possible to avoid the tracking of salt and ice-melting compounds into the school by the students.
e) Train the custodial people who are responsible for care and maintenance of VAT. Please note that the repair/removal can only be performed by a licensed abatement contractor.

2. Wallboard and Joint Compound Assembly

a) Since a number of different homogeneous assemblies may exist in a building, sheetrock/joint compound must be assumed to be ACBM unless sample results prove otherwise. If any specific areas are going to be disturbed, samples of the material in that area should be collected and analyzed.
b) Reduce the likelihood of fiber release by avoiding cutting or drilling holes through the sheetrock panels.

3. Ceiling Tile and Glue Daubs

a) Reduce the likelihood of fiber release by limiting access to the space above the ceiling tiles. Maintain the ceiling tiles in undamaged condition. Replace any damaged or water-stained tile.
b) If the ceiling tiles are non-asbestos, collect samples and analyze the glue daubs to identify asbestos-content before disturbing the tiles.

4. Asbestos Cement Panels, Window/Door Caulking and Glazing Compounds

a) Maintain asbestos cement panels and window/door caulking and glazing compounds in undamaged condition.

5. Carpet Glue, Blackboard/Tack Board Glue, Floor Tile Mastic, Cove Base, and Mastic

a) Reduce the likelihood of fiber release by leaving materials in place.
b) Maintain materials in good condition. Collect samples and analyze to identify asbestos-content before disturbing.

Appendix H

Fuss & O'Neill EnviroScience Asbestos Accreditations & Certifications

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

William D. McKinney,
Director

Asbestos Inspector

ROBERT C. MALLETT

Eff. Date 06/01/17
Exp. Date 06/01/18

18

AI900557

Member of C.O.N.E.S.

BOSR BOS-RENEW



This is to certify that

Robert C. Mallett

has completed the requisite training, and has passed an examination for reaccreditation as:

Asbestos Inspector Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Institute for Environmental Education, Inc.
16 Upton Drive Wilmington, MA 01887

January 5, 2017
Course Dates

17-0369-106-260110
Certificate Number

January 05, 2017
Examination Date

January 05, 2018
Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION


Commonwealth of Massachusetts
Department of Labor Standards
William D. McKinney, Director
Asbestos Management Planner
DUSTIN A. DIEDRICKSEN
Eff. Date 03/21/17
Exp. Date 04/05/18
AP900425
Member of C.O.N.E.S.
BOSR BOS-RENEW
18

This is to certify that

Dustin A. Diedricksen

has completed the requisite training, and has passed an examination for reaccreditation

Asbestos Management Planner Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Institute for Environmental Education, Inc.
16 Upton Drive Wilmington, MA 01887

January 19, 2017	**January 19, 2017**	
Course Dates	Examination Date	
17-0393-136-208040	**January 19, 2018**	
Certificate Number	Expiration Date	Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION