



Wampatuck Elementary School 266 Tilden Road Scituate, Massachusetts

AHERA INSPECTION REPORT/MANAGEMENT PLAN

May 2021

PREPARED FOR:

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VERTEX Project No: 69699

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Wampatuck Elementary School 266 Tilden Road Project #69699

May 2021

Introduction

The Vertex Companies, Inc. (VERTEX) conducted a 3-Year Re-inspection on April 22, 2021 as required by the 40 CFR 763 Asbestos Hazard Emergency Response Act (AHERA) at the Wampatuck Elementary School located at 266 Tilden Road in Scituate, Massachusetts. The AHERA regulation requires that each Local Education Agency (LEA) retain a certified/accredited Asbestos Inspector to conduct an initial inspection of all friable and non-friable known or assumed asbestos-containing building materials (ACBM) in each school building that they lease, own, or otherwise uses as a school building. The AHERA re-inspection is to be performed by an accredited inspector at least once every three years from the time of implementation of the original management plan. In addition, the LEA is responsible for conducting Six-Month Periodic Surveillance Inspections as required to effectively manage the identified ACBMs in place at the school.

The Scituate Public School District may utilize the information obtained from the AHERA inspection to effectively manage the ACBMs identified at the Wampatuck Elementary School.



SECTION 1

INSPECTION REPORT



Section 1 Inspection Report

Inspection Protocol

Massachusetts Department of Labor Standards (DLS) Certified Asbestos Inspector, Jason Mohre (AI#000262) performed the AHERA inspection. The Management Plan was updated by Massachusetts DLS Certified Asbestos Management Planner, Jason Mohre (AP#000080). The purpose of the inspection was to identify friable and non-friable ACBMs and perform a hazard assessment. As required by the AHERA regulation, the inspection survey procedures must include a visual inspection and assessment of the condition of all known locations of friable and non-friable ACBMs. It should be noted that under the AHERA regulations only ACBMs are inspected within the school building, other asbestos containing materials (ACMs) may be associated with the school that do not fall under AHERA ACBM definition. Examples of materials which have been found to contain asbestos include but are not limited to exterior window caulking, window glazing, and roofing material. Prior to school renovations any suspect materials not sampled or listed within the school's AMP, must be tested prior to disturbance. Furthermore, VERTEX recommends an Asbestos Containing Materials (ACMs) Survey be conducted prior to any renovation activities to comply with the Environmental Protection Agency (EPA) Title 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs) and the Massachusetts Department of Environmental Protection Regulations. Documentation for subsequent surveys not related to AHERA should be included in the overall Management Plan.

Assessment of potential asbestos hazards are subject to each individual inspector's judgment, and as a result, hazard assessments may vary.

Furthermore, the LEA Designated Person should assume that potential asbestos-containing pipe and fitting insulation or other ACBMs may be located behind walls and ceilings not accessible. Any renovation/demolition work that may penetrate these areas should be inspected prior to disturbance.

All available documentation of asbestos abatement projects, which have occurred since the initial AHERA inspection should be included with the Management Plan for the school.

VERTEX was provided and reviewed the following documents for the Wampatuck Elementary School facility:

- AHERA Inspection and Management Plan for the Wampatuck Elementary School prepared by Covino, dated November 2013.
- AHERA Inspection and Management Plan the Wampatuck Elementary School prepared by TRC, dated October 2017.

Appendix D contains Certification Page for the Inspector and Management Planner involved with the inspection of the school.

Locations of the identified ACBMs with quantities observed, conditions assessed, homogeneous hazard assessment are presented in Appendix A of this report.



Section 1 Inspection Report (continued) Bulk Sampling Methodology

Bulk samples were collected and analyzed to determine the identity of suspect materials and their composition. Bulk samples were collected in the following sampling scheme which is derived from AHERA: For non-friable materials, two (2) or more random samples are taken to determine asbestos content. Miscellaneous material samples are collected in locations where minimal damage would be inflicted on the material during sample collection.

EMSL Analytical Inc. of Woburn, MA using Polarized Light Microscopy (PLM) as described in 40 CFR 763, analyzed the bulk sample results attached. Each bulk sample was analyzed in accordance with U.S. Environmental Protection Agency (EPA) 600/R-93/116 recommended protocol-using PLM.

EMSL Analytical Inc. is accredited through the National Voluntary Laboratory Accreditation Program (#101147-0) and is a Massachusetts certified analytical laboratory (AA000188).

Wampatuck Elementary School April 2021 Sample Locations and Results Table I

Sample Number	Sample Description	Sample Location	Asbestos Content
B-422-01A	12" Off-White Spec Floor Tile	Room 222	5 % Chrysotile
B-422-01B	12" Off-White Spec Floor Tile	Room 208	Positive Stop
B-422-02A	Black Floor Tile Mastic	Room 222	10 % Chrysotile
B-422-02B	Black Floor Tile Mastic	Room 208	Positive Stop
B-422-03A	12" Black Dark Brown Spec Floor Tile	Room 222	5 % Chrysotile
B-422-03B	12" Black Dark Brown Spec Floor Tile	Room 208	Positive Stop



Section 1 Inspection Report (continued) Bulk Sampling Methodology

Bulk samples were also collected by Covino Environmental (Covino) during their August 2013 inspection activities. The following table outlines the building materials collected and analyzed by Covino:

Wampatuck Elementary School August 2013 Sample Locations and Results Table I

Sample Number	Sample Description	Sample Location	Asbestos Content
			40 % Chrysotile
1A	Pipe Insulation	Hallway	10% Crocidolite
1B	Pipe Insulation	Kitchen Office	Positive Stop
1C	Pipe Insulation	Room 146	Positive Stop
2A	Pipe Fitting Insulation	Storage Room	None Detected
2B	Pipe Fitting Insulation	Room 146	8 % Chrysotile
2C	Pipe Fitting Insulation	Hall at Office	Positive Stop
2D	Pipe Fitting Insulation	Room 2	Positive Stop
2E	Pipe Fitting Insulation	Room 1	Positive Stop
2F	Pipe Fitting Insulation	Room 13	Positive Stop
2G	Pipe Fitting Insulation	Room 15	Positive Stop
3A	12" Multi-Color Floor Tile	Office	None Detected
3B	12" Multi-Color Floor Tile	Hall at Storage	None Detected
3C	12" Multi-Color Floor Tile	Hall by Office	None Detected
4A	12" Multi-Color Floor Tile Mastic	Office	None Detected
4B	12" Multi-Color Floor Tile Mastic	Hall at Storage	None Detected
4C	12" Multi-Color Floor Tile Mastic	Hall by Office	None Detected
5A	9" Brown Floor Tile	Storage Room	8 % Chrysotile
5B	9" Brown Floor Tile	Receiving Storage Room	Positive Stop
5C	9" Brown Floor Tile	Teachers Room	Positive Stop
6A	9" Brown Floor Tile Mastic	Storage Room	None Detected
6B	9" Brown Floor Tile Mastic	Receiving Storage Room	None Detected
6C	9" Brown Floor Tile Mastic	Teachers Room	None Detected
7A	Plaster Ceiling Base Coat	Storage Room	None Detected
7B	Plaster Ceiling Base Coat	Receiving Storage Room	None Detected
7C	Plaster Ceiling Base Coat	Room 146	None Detected
7D	Plaster Ceiling Base Coat	Room 6	None Detected
7E	Plaster Ceiling Base Coat	Room 119	None Detected
7F	Plaster Ceiling Base Coat	Room 13	None Detected
7G	Plaster Ceiling Base Coat	Room 15	None Detected



Wampatuck Elementary School August 2013 Sample Locations and Results Table I (Continued)

	Table I (Continued)			
Sample Number	Sample Description	Sample Location	Asbestos Content	
8A	Plaster Ceiling Skim Coat	Storage Room	None Detected	
8B	Plaster Ceiling Skim Coat	Receiving Storage Room	None Detected	
8C	Plaster Ceiling Skim Coat	Room 146	None Detected	
8D	Plaster Ceiling Skim Coat	Room 6	None Detected	
8E	Plaster Ceiling Skim Coat	Room 119	None Detected	
8F	Plaster Ceiling Skim Coat	Room 13	None Detected	
8G	Plaster Ceiling Skim Coat	Room 15	None Detected	
9A	12" Lime Green Floor Tile	Receiving Room	None Detected	
9B	12" Lime Green Floor Tile	Receiving Room	None Detected	
9C	12" Lime Green Floor Tile	Receiving Room	None Detected	
10A	12" Lime Green Floor Tile Mastic	Receiving Room	None Detected	
10B	12" Lime Green Floor Tile Mastic	Receiving Room	None Detected	
10C	12" Lime Green Floor Tile Mastic	Receiving Room	None Detected	
11A	3' x 4' Cementitious Panel on Cooler	Kitchen	None Detected	
11B	3' x 4' Cementitious Panel on Cooler	Kitchen	None Detected	
12A	Corkboard Adhesive on Cooler	Kitchen	12 % Chrysotile	
12B	Corkboard Adhesive on Cooler	Kitchen	Positive Stop	
13A	12" Tan Floor Tile	Kitchen	None Detected	
13B	12" Tan Floor Tile	Kitchen	None Detected	
14A	12" Tan Floor Tile Mastic	Kitchen	None Detected	
14B	12" Tan Floor Tile Mastic	Kitchen	None Detected	
15A	Air-Cell Pipe Insulation	Kitchen Office	30 % Chrysotile	
15B	Air-Cell Pipe Insulation	Room 146	Positive Stop	
15C	Air-Cell Pipe Insulation	Room 146	Positive Stop	
16A	1' x 1' Perforated Wall Tile	Room 12	None Detected	
16B	1' x 1' Perforated Wall Tile	Conference Room	None Detected	
16C	1' x 1' Perforated Wall Tile	Conference Room	None Detected	
17A	Glue Daubs on1' x 1' Perforated Wall Tile	Room 12	None Detected	
17B	Glue Daubs on1' x 1' Perforated Wall Tile	Conference Room	None Detected	
17C	Glue Daubs on1' x 1' Perforated Wall Tile	Conference Room	None Detected	
18A	4" Brown Covebase	Room 12	None Detected	
18B	4" Brown Covebase	Room 15	None Detected	
18C	4" Brown Covebase	Room 5	None Detected	
19A	4" Brown Covebase Adhesive	Room 12	None Detected	
19B	4" Brown Covebase Adhesive	Room 15	None Detected	
19C	4" Brown Covebase Adhesive	Room 5	None Detected	
20A	9" Tan Floor Tile	Room 12	10 % Chrysotile	
20B	9" Tan Floor Tile	Room 10	Positive Stop	
20C	9" Tan Floor Tile	Room 6	Positive Stop	



Wampatuck Elementary School August 2013 Sample Locations and Results Table I (Continued)

Sample	Table I (Continued)	Sample Legation	Asbestos
Number	Sample Description	Sample Location	Content
21A	9" Tan Floor Tile Mastic	Room 12	None Detected
21B	9" Tan Floor Tile Mastic	Room 10	None Detected
21C	9" Tan Floor Tile Mastic	Room 6	None Detected
22A	12" White Floor Tile	Cafeteria	None Detected
22B	12" White Floor Tile	Cafeteria	None Detected
22C	12" White Floor Tile	Cafeteria	None Detected
23A	12" White Floor Tile Mastic	Cafeteria	None Detected
23B	12" White Floor Tile Mastic	Cafeteria	None Detected
23C	12" White Floor Tile Mastic	Cafeteria	None Detected
24A	2' x 2' Flat Ceiling Tile	Cafeteria	None Detected
24B	2' x 2' Flat Ceiling Tile	Cafeteria	None Detected
24C	2' x 2' Flat Ceiling Tile	Room 161	None Detected
25A	2' x 4' Tectum Wall Tile	Cafeteria	None Detected
25B	2' x 4' Tectum Wall Tile	Cafeteria	None Detected
25C	2' x 4' Tectum Wall Tile	South Playroom	None Detected
26A	Stage Curtain	Cafeteria	None Detected
26B	Stage Curtain	Cafeteria	None Detected
27A	White Sink Basin Coating	Teachers Room	None Detected
27B	White Sink Basin Coating	Teachers Room	None Detected
21A	9" Tan Floor Tile Mastic	Room 12	None Detected
21B	9" Tan Floor Tile Mastic	Room 10	None Detected
21C	9" Tan Floor Tile Mastic	Room 6	None Detected
22A	12" White Floor Tile	Cafeteria	None Detected
22B	12" White Floor Tile	Cafeteria	None Detected
22C	12" White Floor Tile	Cafeteria	None Detected
23A	12" White Floor Tile Mastic	Cafeteria	None Detected
23B	12" White Floor Tile Mastic	Cafeteria	None Detected
23C	12" White Floor Tile Mastic	Cafeteria	None Detected
24A	2' x 2' Flat Ceiling Tile	Cafeteria	None Detected
24B	2' x 2' Flat Ceiling Tile	Cafeteria	None Detected
24C	2' x 2' Flat Ceiling Tile	Room 161	None Detected
25A	2' x 4' Tectum Wall Tile	Cafeteria	None Detected
25B	2' x 4' Tectum Wall Tile	Cafeteria	None Detected
25C	2' x 4' Tectum Wall Tile	South Playroom	None Detected
26A	Stage Curtain	Cafeteria	None Detected
26B	Stage Curtain	Cafeteria	None Detected
27A	White Sink Basin Coating	Teachers Room	None Detected
27B	White Sink Basin Coating	Teachers Room	None Detected



Wampatuck Elementary School August 2013 Sample Locations and Results Table I (Continued)

Table I (Continued)			
Sample Number	Sample Description	Sample Location	Asbestos Content
28A	Interior Window Glazing	Hall by Conference Room	2 % Chrysotile
28B	Interior Window Glazing	Hall by Conference Room	Positive Stop
28C	Interior Window Glazing	Hall by Conference Room	Positive Stop
29A	9" Green Floor Tile	Room 117	10 % Chrysotile
29B	9" Green Floor Tile	Hall by Room 117	Positive Stop
30A	9" Green Floor Tile Mastic	Room 117	None Detected
30B	9" Green Floor Tile Mastic	Hall by Room 117	None Detected
31A	Gypsum Wallboard	Room 117	None Detected
31B	Gypsum Wallboard	Hall by Room 8	None Detected
31C	Gypsum Wallboard	Hall by Room 117	None Detected
32A	Joint Compound	Room 117	2 % Chrysotile
32B	Joint Compound	Hall by Room 8	Positive Stop
32C	Joint Compound	Hall by Room 117	Positive Stop
33A	12" Gray Floor Tile	Office	None Detected
33B	12" Gray Floor Tile	Office	None Detected
33C	12" Gray Floor Tile	Office	None Detected
34A	12" Gray Floor Tile Mastic	Office	None Detected
34B	12" Gray Floor Tile Mastic	Office	None Detected
35A	Perforated Acoustical Wall Tiles	Room 16	None Detected
35B	Perforated Acoustical Wall Tiles	Room 16	None Detected
35C	Perforated Acoustical Wall Tiles	Room 16	None Detected
36A	1/4" Covering on Bath Duct	Room 16	14 % Chrysotile
36B	1/4" Covering on Bath Duct	Room 16	Positive Stop
36C	1/4" Covering on Bath Duct	Room 16	Positive Stop
37A	12" Tan Marble Floor Tile	Room 161	12 % Chrysotile
37B	12" Tan Marble Floor Tile	Room 161	Positive Stop
37C	12" Tan Marble Floor Tile	Room 161	Positive Stop
38A	12" Tan Marble Floor Tile Mastic	Room 161	12 % Chrysotile
38B	12" Tan Marble Floor Tile Mastic	Room 161	Positive Stop
38C	12" Tan Marble Floor Tile Mastic	Room 161	Positive Stop
39A	Canvas on Fiberglass Pipe	Room 161	None Detected
39B	Canvas on Fiberglass Pipe	Room 161	None Detected
39C	Canvas on Fiberglass Pipe	Room 161	None Detected
40A	Pipe Fitting Insulation	Room 161	14 % Chrysotile
40B	Pipe Fitting Insulation	Room 161	Positive Stop
40C	Pipe Fitting Insulation	Room 17	Positive Stop
40D	Pipe Fitting Insulation	Boys Room E	Positive Stop
40E	Pipe Fitting Insulation	Girls Room E	Positive Stop
40F	Pipe Fitting Insulation	Room 21	Positive Stop
40G	Pipe Fitting Insulation	Room 18	Positive Stop



Wampatuck Elementary School August 2013 Sample Locations and Results Table I (Continued)

Sample Number	Sample Description	Sample Location	Asbestos Content
41A	Mosaic Sheet Flooring	Room 17	20 % Chrysotile
41B	Mosaic Sheet Flooring	Room 17	Positive Stop
41C	Mosaic Sheet Flooring	Room 17	Positive Stop
42A	Mosaic Sheet Flooring Adhesive	Room 17	None Detected
42B	Mosaic Sheet Flooring Adhesive	Room 17	None Detected
42C	Mosaic Sheet Flooring Adhesive	Room 17	None Detected
43A	Compressed Wall Board Panels	Room 17	None Detected
43B	Compressed Wall Board Panels	Room 17	None Detected
43C	Compressed Wall Board Panels	Room 17	None Detected
44A	2' x 2 Fissured Ceiling Tile	East Wing	None Detected
44B	2' x 2 Fissured Ceiling Tile	East Wing, Girls Room	None Detected
44C	2' x 2 Fissured Ceiling Tile	East Wing, Boys Room	None Detected
45A	Black Sink Undercoating	Room 26	5 % Chrysotile
45B	Black Sink Undercoating	Room 25	Positive Stop
45C	Black Sink Undercoating	Room 24	Positive Stop
46A	Interior Window Glazing at Hall Doors	Hall at Room 24	3 % Chrysotile
46B	Interior Window Glazing at Hall Doors	Hall at Room 24	Positive Stop
46C	Interior Window Glazing at Hall Doors	Hall at Room 24	Positive Stop
47A	Cementitious Panel Above Door	Cafeteria	30 % Chrysotile
47B	Cementitious Panel Above Door	N. Playroom	Positive Stop
47C	Cementitious Panel Above Door	N. Playroom	Positive Stop

Bold indicates bulk sample analyzed positive for Asbestos (>1% asbestos containing) **Positive Stop** indicates representative bulk sample analyzed positive for Asbestos.



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Section 1 Inspection Report (continued)

The following is a list of materials that were determined or assumed to be <u>asbestos-containing</u>:

Pipe Insulation

9" Tan Floor Tile

9" Brown Floor Tile

Cementitious Panel Ab

9" Brown Floor Tile Cementitious Panel Above Doors
12" Tan Marble Floor Tile 12" Tan Marble Floor Tile Mastic

12" Tan Marble Floor Tile 12" Tan Marble Floor Tile Mastic (Black)
12" Off-White Gray Spec FT Mastic

Mosaic Sheet Flooring

Black Sink Undercoating

Interior Window Glazing Joint Compound

The following is a list of materials that were found and determined to be <u>non-asbestos</u>:

12" Multi-Color Floor Tile 12" Multi-Color Floor Tile Mastic 12" Lime Green Floor Tile Mastic

12" Tan Floor Tile

12" Tan Floor Tile Mastic

12" White Floor Tile Mastic

12" Gray Floor Tile12" Gray Floor Tile Mastic9" Brown Floor Tile Mastic (Black)9" Tan Floor Tile Mastic (Black)9" Green Floor Tile Mastic (Black)Mosaic Sheet Flooring Adhesive

4" Brown Covebase 4" Brown Covebase Adhesive Plaster Ceiling Base Coat Plaster Ceiling Skim Coat 3' x 4' Cementitious Panel on Cooler 2' x 4' Tectum Wall Tile

1' x 1' Perforated Wall TileGlue Daubs on 1' x 1' Wall Tile2' x 2' Flat Ceiling TilePerforated Acoustical Wall Tiles2' x 2 Fissured Ceiling TileCompressed Wall Board PanelsStage CurtainWhite Sink Basin Coating

Stage Curtain White Sink Basin Coating
Gypsum Wallboard Canvas on Fiberglass Pipe

VERTEX recommends an ACMs Survey be conducted prior to any renovation activities to comply with the EPA Title 40 CFR Part 61, NESHAPs and the Massachusetts Department of Environmental Protection Regulations.



Section 1 Inspection Report (continued) Hazard Assessment

Each ACBM homogeneous area is assessed to determine the asbestos hazard. Factors considered when assessing homogeneous area hazard include: the friability of the material, the condition of material including type, severity, and extent of damage, the material's potential for disturbance (including accessibility and air flow) and the material's potential for damage. From this classification, a decision tree is used to determine the appropriate response action sufficient to protect human health and environment.

The location, estimated quantities, condition and Homogenous Area Hazard Assessment Category for the identified ACBMs are presented in Appendix A. The following is homogenous area assessment for each ACBM identified.

Homogeneous Area Assessment

Homogeneous Area #1-Pipe Insulation

Classification: Friable Thermal System Insulation

Asbestos-containing Pipe Insulation is generally located throughout the school above drop ceilings and assumed above hard ceilings and/or behind walls. Please refer to Appendix A which includes the locations, conditions, and estimated quantities. The pipe insulation where accessible was observed in generally good condition, friable and presents a potential for damage. In addition, the Designated Person should assume that potential asbestos-containing pipe insulation may be located behind walls and ceilings not accessible.

Homogeneous Area #2-Pipe Fitting Insulation

Classification: Friable Thermal System Insulation

Asbestos-containing Pipe Fitting Insulation is generally located throughout the school above drop ceilings and assumed above hard ceilings and/or behind walls. Please refer to Appendix A which includes the locations, conditions, and estimated quantities. The pipe fitting insulation where accessible was observed in generally good condition, friable and presents a potential for damage except for displayed damage observed within the Kitchen Office. In addition, the Designated Person should assume that potential asbestos-containing pipe fitting insulation may be located behind walls and ceilings not accessible.

Homogeneous Area #3- 9"x 9" Tan Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 9" x 9" Tan Floor Tile is generally located within the original section at the school. Please refer to Appendix A for the locations and estimated quantities. The 9" Tan Floor Tile generally displays minor damage, non-friable and presents a potential for damage.



Section 1 Inspection Report (continued) Hazard Assessment

Homogeneous Area #4- 9"x 9" Brown Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 9" x 9" Brown Floor Tile is generally located within the original section at the school. Please refer to Appendix A for the locations, estimated quantities and conditions. The 9" Brown Floor Tile generally displays minor damage in several areas, non-friable and presents a potential for damage.

Homogeneous Area #5- 9"x 9" Green Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 9" x 9" Green Floor Tile is located within the North Hallway and Room 117 at the school. The 9" Green Floor Tile is in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #6 12" x 12" Tan/Marble Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 12" x 12" Tan/Marble Floor Tile is generally located within the addition section at the school. Please refer to Appendix A for the locations, estimated quantities and conditions. The 12" Tan/Marble Floor Tile generally displays minor damage in several areas, non-friable and presents a potential for damage.

Homogeneous Area #7 12" x 12" Off-White Gray Spec Floor Tile

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing 12" x 12" Off-White Gray Spec Floor Tile is within the Rooms 222 and 224 as well as the Speech Room at the school. The 12" x 12" Off-White Gray Spec Floor Tile is in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #8 Black Floor Tile Mastic

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Black Floor Tile Mastic is generally located within the addition section at the school. The Black Floor Tile Mastic is covered and associated with 12" x 12" Off-White Gray Spec Floor Tile and 12" Tan/Marble Floor Tile.



Section 1 Inspection Report (continued) Hazard Assessment

Homogeneous Area #9 Mosaic Sheet Flooring

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Mosaic Sheet Flooring is within the Room 17 at the school. The Mosaic Sheet Flooring is in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #10-Interior Window Glazing

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Interior Window Glazing is located on the Interior Partition Windows above the doorways the Boys and Girls Rooms (110 and 113) as well as the Conference Room (119) at the school. The Interior Window Glazing was observed in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #11- Cementitious Panels Above Doors

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Panels Above Doors are generally located at the entry ways to classrooms within the original section of the school. Please refer to Appendix A for the locations, estimated quantities and conditions. The Panels Above Doors were observed in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #12- Joint Compound

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Joint Compound is located on the Gypsum Wallboard with the North Hallway and Room 117. The Joint Compound was observed in generally good condition, non-friable and presents a potential for damage.

Homogeneous Area #13 Black Sink Mastic

Classification: Non-Friable Miscellaneous ACBM

Asbestos-containing Black Sink Mastic is generally located under the sink areas within the addition section classrooms at the school. Please refer to Appendix A for the locations, estimated quantities and conditions. The Black Sink Mastic is in generally good condition, non-friable and presents a potential for damage.



SECTION 2

RESPONSE ACTION DETERMINATION



Section 2 Response Action Determination

The following is based on the Decision Tree for Thermal System Insulation Type ACM. The recommended response actions are determined utilizing the "decision tree" approach for Response Action Determination as outlined in EPA's "Asbestos Hazard Emergency Response Act," (AHERA) 40 CFR 763. Because of defined friability factors associated with surfacing and miscellaneous materials versus thermal system insulation, separate decision trees are utilized for each group of materials.

Decision Trees are used to estimate the risk associated with exposure to asbestos in a given homogeneous area, and to recommend certain response actions, which are consistent with regulatory requirements. Eight response actions are recommended for both thermal system insulation and for surfacing/miscellaneous insulation. The response section number given to each homogeneous area indicates a priority for action, the lower the number, the more serious the hazard. Most response actions call for an operations and maintenance program, assuming that this is the least burdensome method which still protects human health and environment. This does not prohibit the building owner from removal of ACM at any time, if that is the preferred response action.

Recommended response actions are based upon the material condition, disturbance, air-flow and the potential for damage. Potential response actions include the following:

- 1. <u>Significantly Damaged Thermal System Insulation:</u> **Response Action 1.** Isolate the area and restrict access to the area. ACM should be removed as soon as possible.
- Damaged Thermal System Insulation with High Disturbance: Response Action 2. Continue O&M program and remove the ACM as soon as possible or reduce the potential for disturbance.
- 3. <u>Damaged Thermal System Insulation with Moderate Disturbance and in the Presence of an Air Stream:</u> Response Action 2. Continue with O&M Program and remove the ACM as soon as possible or reduce the potential for disturbance.
- 4. <u>Damaged Thermal System Insulation with Moderate Disturbance:</u> **Response Action 3.** Repair ACM, continue with O&M Program.
- 5. <u>Damaged Thermal System Insulation with Low Disturbance and in the Presence of an Air Stream:</u> Response Action 4. Repair ACM, continue with O&M Program.
- 6. <u>Damaged Thermal System Insulation with Low Disturbance:</u> **Response Action 5.** Repair ACM, continue with O&M Program.
- 7. <u>Undamaged Thermal System Insulation with High Disturbance</u>: **Response Action 6.** Continue with O&M Program and take preventative measures to reduce disturbance.
- 8. <u>Undamaged Thermal System Insulation with Moderate Disturbance:</u> **Response Action 7.** Continue with O&M Program and take preventative measure to reduce disturbance.
- 9. <u>Undamaged Thermal System Insulation with Low Disturbance:</u> **Response Action 7.** Continue with O&M Program and take preventative measure to reduce disturbance.



Section 2 Response Action Determination

The following is based on the Decision Tree for Surfacing and Miscellaneous ACM. Recommended response actions are based upon friability, material condition, disturbance, air flow and the potential for damage. Potential response actions include the following:

- 1. <u>Friable Surfacing or Miscellaneous ACM with Significant Damage:</u> **Response Action 1:** Isolate the area and restrict access to the area. Remove the ACM as soon as possible.
- 2. <u>Friable Surfacing or Miscellaneous ACM with Damage and a High Disturbance:</u> **Response Action 2:** Continue with O&M Program and remove ACM as soon as possible or reduce the potential for disturbance.
- 3. <u>Friable Surfacing or Miscellaneous ACM with Damage, Moderate Disturbance and in the Presence of an Air Stream:</u> **Response Action 2:** Continue with O&M Program and remove ACM as soon as possible or reduce the potential for disturbance.
- 4. <u>Friable Surfacing or Miscellaneous ACM with Damage and Moderate Disturbance:</u> **Response Action 3:** Continue with O&M Program and schedule removal when practical and costeffective
- 5. <u>Friable Surfacing or Miscellaneous ACM with Damage, Low Disturbance and in the Presence of an Air Stream:</u> **Response Action 4:** Continue with O&M Program and schedule removal when practical and cost-effective
- 6. <u>Friable Surfacing or Miscellaneous ACM with Damage and Low Disturbance:</u> **Response Action 5.** Continue with O&M Program and schedule removal when practical and costeffective
- 7. <u>Friable Surfacing or Miscellaneous ACM with No Damage and High Disturbance:</u> **Response Action 6.** Take preventative measures to reduce the disturbance.
- 8. <u>Friable Surfacing or Miscellaneous ACM with No Damage and Moderate Disturbance:</u> **Response Action 7.** Take preventative measure to reduce the disturbance.
- 9. <u>Friable Surfacing or Miscellaneous ACM with No Damage and Low Disturbance:</u> **Response Action 8.** Take preventative measure to reduce the disturbance.
- 10. <u>Non-Friable Surfacing or Miscellaneous ACM:</u> **Response Action 8:** Continue with O&M until major renovation or demolition requires removal under the EPA NESHAPS, or until hazard assessment factors change.



Section 2 Response Action Determination (continued)

Advantages and Disadvantage to Abatement Alternatives

The decision trees outlined in AHERA 40 CFR 763 are used to provide the "best" alternative for the specific conditions in each homogeneous area.

Below is a discussion of the alternative approaches to asbestos management in a building.

Long Term Operation & Maintenance Program

Advantages:

- *Low initial cost for implementation
- *Good interim plan
- *An O&M program may be implemented and carried out by in house trained personnel.

Disadvantages:

- *Asbestos remains in the building
- *Condition of the asbestos must be monitored
- *Cost of training and special work procedures may be significant
- *Effectiveness may be limited where control of the building occupants is difficult

Encapsulation

Advantages:

- *Reduces the risk of release of asbestos fibers
- *Initial cost is lower than the cost of asbestos removal
- *Asbestos-containing material may still serve its initial purpose
- *Quick temporary means of repair

Disadvantages:

- *Asbestos remains in the building and encapsulant makes removal more difficult
- *Improper encapsulation may cause the material to delaminate or pull away from substrate
- *Asbestos-containing material must have an O&M program
- *Similar preparation for asbestos removal is required for encapsulation
- *Long term cost may be greater than asbestos removal is periodic reapplication of the encapsulant is required



Section 2 Response Action Determination (continued)

Enclosure

Advantages:

- *Enclosure reduces immediate exposure
- *Initial cost of enclosure is lower that the cost of asbestos removal
- *Asbestos-containing material may still serve its initial purpose
- *Quick temporary means of repair

Disadvantages:

- *Asbestos remains in place and later removal is more difficult
- *If maintenance is required of the systems insulated with asbestos, the asbestos will be exposed
- *An O&M program will have to be implemented for the asbestos-containing material
- *Similar preparation for asbestos removal is required for enclosure

Removal

Advantages

- *Asbestos-containing material is eliminated from the building
- *There is no need for an O&M plan
- *Initial cost is great, but the future costs are eliminated

Disadvantages:

- *Re-insulating, re-fireproofing, or replacement of materials may be required
- *Improper removal may raise levels of airborne fibers higher than background levels
- *The initial cost of removal is very high
- *Areas of the building involved in asbestos removal may not be occupied during removal



SECTION 3 RECOMMENDED RESPONSE ACTIONS



Section 3 Recommended Response Actions

The recommended response actions are for all the homogenous areas found within the school. The response actions are determined utilizing the decision tree approach for Response Action Determination as described in Section 2.

Homogeneous Area #1-Pipe Insulation

Response Action 7: The pipe insulation located at the school is in generally good condition. Limit the potential for disturbance and continue the Operations and Maintenance (O&M) Program until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change. It should be noted that asbestos-containing pipe insulation may be located above hard ceilings and/or behind walls. As such, a thorough exploratory inspection should be conducted prior to any renovations that may impact wall or ceiling areas.

Homogeneous Area #2-Pipe Fitting Insulation

Response Action 3: The pipe fitting insulation identified within the Kitchen Office displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the repair or remove the damaged pipe fitting insulation and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

Response Action 7: The remaining pipe fitting insulation located at the school is in generally good condition. Limit the potential for disturbance and continue the O&M Program until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change. It should be noted that asbestos-containing pipe fitting insulation may be located above hard ceilings and/or behind walls. As such, a thorough exploratory inspection should be conducted prior to any renovations that may impact wall or ceiling areas.

Homogeneous Area #3- 9"x 9" Tan Floor Tile

Response Action 8: The 9" x 9" Tan Floor Tile identified within Rooms 1 (101), 2 (105), 5 (103), 10, and 11 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

Response Action 8: The remaining 9" x 9" Tan Floor Tile located at the school is in generally good condition. Please refer to Appendix A which includes the locations and estimated quantities of the 9" x 9" Tan Floor Tile. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.



Section 3 Recommended Response Actions (Continued)

Homogeneous Area #4- 9"x 9" Brown Floor Tile

Response Action 8: The 9" x 9" Brown Floor Tile identified within Rooms 102B, 103B, 105B, 107B, Conference Room (119), Teachers Room (121), Nurse Area (129) and , and 11 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

Response Action 8: The remaining 9" x 9" Brown Floor Tile located at the school is in generally good condition. Please refer to Appendix A which includes the locations and estimated quantities of the 9" x 9" Brown Floor Tile. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #5- 9"x 9" Green Floor Tile

Response Action 8: The 9" x 9" Green Floor Tile located within the North Hallway and Room 117 is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #6 12" x 12" Tan/Marble Floor Tile

Response Action 8: The 12" x 12" Tan/Marble Floor Tile identified within Rooms 18 (204), 220-Cusodial, 24 and 26 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

Response Action 8: The remaining 12" x 12" Tan/Marble Floor Tile located at the school is in generally good condition. Please refer to Appendix A which includes the locations and estimated quantities of the 12" x 12" Tan/Marble Floor Tile. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #7 12" x 12" Off-White Gray Spec Floor Tile

Response Action 8: The $12'' \times 12''$ Off-White Gray Spec Floor Tile within Rooms 222 and 224 as well as the Speech Room is in generally good condition. Continue the 0& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.



Section 3 Recommended Response Actions (Continued)

Homogeneous Area #8 Black Floor Tile Mastic

Response Action 8: The Black Floor Tile Mastic is covered and associated with 12" x 12" Off-White Gray Spec Floor Tile and 12" Tan/Marble Floor Tile. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #9 Mosaic Sheet Flooring

Response Action 8: The Mosaic Sheet Flooring is within the Room 17 is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #10-Interior Window Glazing

Response Action 8: The Interior Window Glazing located on the Interior Partition Windows above the doorways the Boys and Girls Rooms (110 and 113) as well as the Conference Room (119) is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #11- Cementitious Panels Above Doors

Response Action 8: The Panels Above Doors located at the entry ways to classrooms within the original section of the school are in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #12- Joint Compound

Response Action 8: The Interior Window Glazing on the Gypsum Wallboard with the North Hallway and Room 117 is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.

Homogeneous Area #13 Black Sink Mastic

Response Action 8: The Black Sink Mastic is generally located under the sink areas within the addition section classrooms at the school is in generally good condition. Continue the O& M Program and manage the material in place until major renovations or demolition requires the removal of this material, or until the hazard assessment factors change.



SECTION 4

RECORDKEEPING REQUIREMENTS AND RECOMMENDATIONS



Section 4 Recordkeeping Requirements and Recommendations

The AHERA regulations have very specific requirement for the maintenance of records associated with the management of the identified ACBMs in the school. The following is a list of some of the key items that the LEA Designated Person must maintain as part of the package:

- Initial AHERA inspection report and Asbestos Management Plan
- Subsequent 3-year reinspection reports.
- 6-month surveillance reports.
- Documentation for minor and major fiber release episodes. This includes abatement work performed by outside contractors as well as work performed by 16 hour trained maintenance personnel no matter how small.
- Documentation for completion of response actions (i.e. clearance testing, waste shipment records, etc.). This should always include applicable training and certification documentation for the parties involved performing the work activities.
- Labeling of ACBM (friable)
- Yearly notice to parents, teachers and staff.
- Training and medical exams for 16-hour trained personnel. Although training does not require renewal. Medicals are to be performed every year. In addition, 16-hour personnel should be fit tested every six months.
- Two-hour awareness training for staff. Any new workers are required to receive this training at start of employment. Training should include specific review of ACBMs in the building their working in.

The above items are some of the key items, which need to be incorporated into the plan. The following are some recommendations are how best to maintain for easy access and review by outside parties:

- Maintain an update the three- ring binder for the school. Have a duplicated copy, one for administration office and one for the facilities office.
- Create tab sections in the binder. Each section should contain the information above. This will allow for easy review and update.
- Ensure that for every major and minor fiber release episode, that all documentation is received.
- As you updated your file, ensure the school's is updated.



Section 4

Recordkeeping Requirements and Recommendations (continued)

Also, it is also required that if outside contractors enter building perform work that they review areas where asbestos may be present that will be near their work. Have a log at the school for them to sign that they have read and understand. This will protect the school from liability and ensure outside contactors will not disturb asbestos. Finally, periodically review program internally and with your 16-hour persons to ensure compliance.

The pipe fitting insulation identified within the Kitchen Office displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the repair or remove the damaged pipe fitting insulation and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

The 9" x 9" Tan Floor Tile identified within Rooms 1 (101), 2 (105), 5 (103), 10, and 11 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

The 9" x 9" Brown Floor Tile identified within Rooms 102B, 103B, 105B, 107B, Conference Room (119), Teachers Room (121), Nurse Area (129) and , and 11 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

The 12" x 12" Tan/Marble Floor Tile identified within Rooms 18 (204), 220-Cusodial, 24 and 26 displayed minor damage. Retain an Asbestos Project Designer to prepare a Work Plan for the removal and replacement of the damaged floor tile and retain a Massachusetts certified Abatement Contractor to complete the response action following the Work Plan. Recommended completion date of the work activities: July 2021.

VERTEX recommends implementing a periodic cleaning schedule with properly trained staff (i.e. 2-Hour Asbestos Awareness) utilizing HEPA-vacuums and wet mopping.

A required six-month periodic surveillance inspection should be scheduled for October 2021.

VERTEX recommends an ACMs Survey be conducted prior to any renovation activities to comply with the EPA Title 40 CFR Part 61, NESHAPs and the Massachusetts Department of Environmental Protection Regulations.



SECTION 5

ESTIMATED RESOURCES REQUIRED TO COMPLETE THE RESPONSE ACTIONS



Section 5 Estimated Resources Required to Complete the Response Actions

This section contains the estimated resources required to complete the abatement activities of the identified damaged ACBMs. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. The cost estimate below does not include abatement contactor mobilization, abatement design and/or project monitoring services.

Estimated Cost to complete the Response Actions at the Wampatuck Elementary School in Scituate, Massachusetts:

\$1,400.00*

Cost Estimate Worksheet can be found in Appendix B.

* The estimated cost provided above is developed from current Abatement Contractor Unit pricing. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. In addition, the costs above do not include mobilization of the Abatement Contractor, Abatement Work Plan/Design, Project Monitoring and/or Clearance Testing Services for the completion of the response actions. Please refer for below unit pricing regarding costs for the Contractor Mobilization and Clearance Testing Services:

Abatement Work Plan/Design Specification = \$500-\$2,500.00
Abatement Contactor Mobilization = \$1,500.00-\$2,500.00
Project Monitoring/Clearance Testing = \$520.00-\$600.00/per shift
Transmission Electron Microcopy (TEM) Analysis = \$75.00-\$100.00/sample
Phase Contrast Microscopy (PCM) Analysis = No Charge -\$15.00/sample
Clearance Report Preparation = \$350.00-\$800.00

**The estimated cost provided above does not include costs that may be associated with two-hour asbestos awareness training, OSHA 16-hr Operations and Maintenance Training, and/or the labor to conduct the required six-month surveillance re-inspections. Please refer below for estimated costs that may be associated with the mentioned above:

2-Hour Asbestos Awareness Training = \$75/person
OSHA 16-hr Operations and Maintenance Training = \$300/person
Six-Month Periodic Surveillance Inspection = \$400/inspection



SECTION 6

ESTIMATED RESOURCES REQUIRED FOR THE ABATEMENT OF THE IDENTIFIED ACBMs



Section 6 Estimated Resources Required For Abatement of the Identified ACBMs

This section contains the estimated resources required to perform the removal of identified ACBMS, however EPA recommends the ACBMs to be managed in place if they are not damaged. Alternative abatement costs are estimated using current Abatement Contractor Estimates. These estimates will vary per competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. The cost estimate below is a worst-case scenario if all identified ACBMs were to be removed. The cost estimate below does not include abatement contactor mobilization, abatement design and/or project monitoring services.

Estimated Cost for the Removal of ACBMs from the Wampatuck Elementary School in Scituate, Massachusetts: \$350,000.00*

Cost Estimate Worksheet can be found in Appendix C.

- *The estimated cost above does not include removal of potentially concealed ACBMs within the interior of the school. In addition, the estimated cost provided above does <u>not</u> include abatement of potential ACMs on the exterior of the site building and/or beyond the AHERA inspection.
- ** The estimated cost provided above is developed from current Abatement Contractor Unit pricing. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. In addition, the costs above do not include mobilization of the Abatement Contractor, Abatement Work Plan/Design, Project Monitoring and/or Clearance Testing Services for the completion of the response actions. Please refer for below unit pricing regarding costs for the Contractor Mobilization and Clearance Testing Services:

Abatement Work Plan/Design Specification = \$500-\$2,500.00
Abatement Contactor Mobilization = \$1,500.00-\$2,500.00
Project Monitoring/Clearance Testing = \$520.00-\$600.00/per shift
Transmission Electron Microcopy (TEM) Analysis = \$75.00-\$100.00/sample
Phase Contrast Microscopy (PCM) Analysis = No Charge -\$15.00/sample
Clearance Report Preparation = \$350.00-\$800.00



SECTION 7

OPERATIONS AND MAINTENANCE



Section 7 Operations and Maintenance Program

INTRODUCTION

The Scituate Public School District has established an overall asbestos control program that is designed to minimize exposure of all occupants of the school to asbestos fibers located at the Wampatuck Elementary School. This Operations and Maintenance (O&M) Plan is an integral part of the overall program. It sets guidelines for the proper in-place management of all assumed and identified asbestos-containing building materials (ACBM) located in the building.

This O&M plan contains the following sections:

- A. A description of the duties of the LEA Designated Person (DP).
- B. A procedure for **notifying** workers, tenants, and other visitors where ACBM are located, and stressing the importance of avoiding disturbing the ACBM in any way.
- C. The detailed description of **O&M Activities**, including:
 - 1. **Emergency procedures** for both major and minor episodes of fiber release;
 - 2. **Periodic surveillance** of ACBM, so that any changes in the condition of ACBM can be noted, assessed, and documented; and
 - 3. Detailed descriptions of **work procedures** for both general maintenance and Asbestos Associated Project Workers, which must be used so that workers can avoid or minimize fiber release when performing activities that may disturb ACBM.
- D. A list of records that must be kept to document O&M and abatement activities.
- E. **Training requirements** for the DP, and custodial and maintenance staff.

In general, asbestos represents a health hazard **only** if fibers are breathed into the lungs or, in rare cases, are swallowed. Asbestos-containing materials that are non-friable (i.e. cannot be easily broken of crumbled by hand pressure) are not hazardous as long as they are intact and in good condition. Because friable materials can be easily crumbled or crushed, they are more susceptible to airborne fiber release than are non-friable materials.

It is a policy of the Scituate Public School District that untrained employees and outside contractors **DO NOT** handle, touch or otherwise disturb any material that is asbestos or suspected of containing asbestos. A properly qualified and trained individual must handle any material that is, or may contain asbestos. Non-asbestos materials have been and may be identified by the asbestos coordinator using one or more of the following criteria: (1) lab analysis, (2) results of previous lab analysis, (3) product composition labels, (4) receipts, and so forth. At no time will any employee, student, or outside contractor assume a material to be asbestos-free. An inventory of ACBMs identified from the inspection are presented in Appendix A.



Section 7 Operations and Maintenance Program (Continued)

1. DUTIES OF THE ASBESTOS MANAGEMENT PLAN DESIGNATED PERSON

The DP oversees the implementation and management of the O&M plan. Duties of the DP include (1) notifying building staff, workers, and outside contractors where ACBM is located in the building, (2) assigning workers to tasks involving work that may disturb ACBM, (3) ensuring that abatement and O&M activities are conducted by trained qualified personnel, and (4) keeping records of all asbestos-related activities at the property.

The DP must receive training related to asbestos issues (see "Training Requirements" of this plan).

2. NOTIFICATION

The DP shall ensure that building workers, outside contractors, and tenants are notified of the location, quantity, and physical condition of identified and assumed ACBM that they might disturb. Such notification shall be accomplished by written notice, by personal communication, by posting signs at entrances to mechanical areas, and/or by labeling ACBM. By informing occupants of potential hazards in their vicinity, the notification reduces the possibility that occupants will accidentally disturb ACBM. The notification must stress that persons who disturb ACBM may accidentally release asbestos fibers into the air, and that therefore everyone must avoid disturbing ACBM. This notification will assure compliance with Occupational Health and Safety Administration (OSHA) Regulation 29 CFR Part 1926.1101, which regulates asbestos exposure as it relates to construction work (including building maintenance) and with 29 CFR 1910.1001, which regulates asbestos exposure in general industry (including normal housekeeping).

If asbestos-related construction, abatement, of O&M activities is conducted, the DP shall also notify the following persons about the presence, location, and quantity of ACBM:

- A. Employees of the building, such as maintenance and custodial personnel who will work in or adjacent to areas containing ACBM:
- B. Staff who will occupy areas containing ACBM.
- C. Prospective employers applying for or bidding for work if their employees will be expected to work in or adjacent to areas containing ACBM.
- D. Multiple employers occupying a work-site in the building, any of whose employees will be performing work within or adjacent to areas containing ACBM.



Section 7 Operations and Maintenance Program (Continued)

Before conducting any work in the building that has the potential to impact ACBM, contractors will be required to sign the Contractor's Asbestos Notification and Acknowledgment Form. In addition, all contractors and contractor's employees who work on the site will be required to notify the DP of the presence, location, and quantity of newly discovered ACBM within 24 hours (or sooner if ACBM is disturbed) of the discovery. If any building materials are discovered, the asbestos content of which is unknown, the material shall be presumed to contain asbestos, until the results of sampling and analysis prove otherwise. Appropriate sampling of the material shall be conducted by a Massachusetts Department of Labor and Work Force Development Division of Labor Standards accredited asbestos inspector and analyzed at an appropriately licensed asbestos analytical laboratory.

The DP shall ensure that all required warning signs are posted during abatement and O&M activities during which the release of asbestos fibers into the air is possible. Warning signs shall demarcate all regulated areas and shall bear the following information:

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED IN THIS AREA

Contractors and in-house personnel who remove ACBM within the site shall label all waste containers that contain ACBM waste in accordance with OSHA and EPA guidelines.

The Massachusetts Department of Environmental Protection (DEP) and the Massachusetts Division of Labor Standards (DLS) will be notified anytime work will impact any quantity of ACBM at the school.

The DP shall ensure that all previously installed ACBM that have been identified in the facility are labeled or identified by signs, as feasible. All ACBM that are friable and accessible, such as TSI located in mechanical areas or below suspended ceilings, will be labeled. Labels shall be attached to or posted in areas where employees, residents, and outside contractors who are likely to be exposed will clearly notice (such as at the entrance to mechanical rooms).

The labels shall bear the following information:

DANGER
CONTAINS ASBESTOS FIBERS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
DO NOT BREATHE DUST
AVOID CREATING DUST

Posted signs may be used in lieu of labels to indicate the type and location of each ACBM.



Project #69699

Section 7 Operations and Maintenance Program (Continued)

3. OPERATIONS AND MAINTENANCE ACTIVITIES

Operations and maintenance activities include:

- Emergency procedures to be followed in the event of a major or minor episode of fiber release;
- Periodic surveillance of ACBM within at the school building;
- Work procedures associated with planned maintenance activities that may disturb ACBM. Only properly trained personnel under the control and direction of the DP shall conduct operations and maintenance activities.
- Periodic Cleaning Activities

A. Emergency Procedures for Fiber Release Episodes

Fiber release episodes are categorized as *major* (the falling or dislodging of more than 3 square feet or 3 linear feet of friable ACBM), or minor (the falling or dislodging of fewer than 3 square feet or 3 linear feet of friable ACBM)

PROCEDURE FOR MAJOR EPISODE

- 1. Restrict entry into the area.
- 2. Immediately contact the DP
- 3. Post sign to prevent anyone from entering the area except persons necessary to perform the response action.
- 4. Shut off or temporarily modify the air-handling system to prevent the fibers from being distributed to other areas in the building.
- 5. The DP shall contact an accredited designer of abatement to prepare an abatement plan that specifies the appropriate response actions.
- 6. The DP shall ensure that only a Massachusetts Certified Asbestos Abatement Contractor conducts the response actions.



Section 7 Operations and Maintenance Program (Continued)

PROCEDURE FOR MINOR EPISODE

- 1. Thoroughly saturate the debris using all wetting methods necessary.
- 2. Clean the area using wet wiping techniques followed by vacuuming with a specially equipped High Efficiency Particulate Air (HEPA) vacuum.
- 3. Place all debris and all contaminated cleaning supplies (mop heads, rags, etc.) into a leak tight container, such as a 6-mil thick polyethylene waste bag, and seal the container. Place the sealed container into a second 6-mil thick polyethylene bag. If labeled waste bags are not used, apply warning label to outside of each bag used.
- 4. Repair the area of damaged ACBM, as follows:
 - a. Use materials such as asbestos-free spackling, plaster, cement, or insulation; or
 - b. Seal the area with latex paint or an encapsulate; or
 - c. Immediately implement other appropriate response action.

B. Periodic Surveillance

Periodic surveillance of all known and assumed ACBM shall be conducted once every six months. The purpose of the regularly scheduled surveillance is to ensure that any ACBM that are damaged or that have deteriorated are detected in a timely manner. The DP shall use the information from the periodic surveillance in conjunction with ongoing reports from the periodic

surveillance in conjunction with ongoing reports from service workers of changes in the condition of the ACBM to take corrective action.

The periodic surveillance consists of a visual inspection of all known and assumed ACBM. Periodic surveillance shall also include a visual and physical evaluation of ACBM in order to determine the degree of damage and to assess the likelihood of future fiber release. The area in the immediate vicinity shall also be examined for potential loose ACBM debris. The DP shall record the cause of the damage.

Only persons who have received at least the minimum asbestos-awareness training (see "Training Requirements", of this plan) shall conduct the periodic surveillance. The results of the surveillance shall be recorded on the periodic surveillance inspection form.



Section 7 Operations and Maintenance Program (Continued)

C. Work Procedures for General Maintenance Personnel

The following work practices shall be prohibited in all circumstances:

- Drilling holes in ACBM;
- Damaging ACBM while moving furniture or other objects;
- Sweeping of dusting floors, ceilings, moldings, or other surfaces in asbestoscontaminated environments;
- Using an ordinary vacuum to clean up asbestos-containing or asbestos contaminated debris (only vacuums equipped with a HEPA filter should be used);
- Removing potentially contaminated ventilation system filters without thoroughly wetting them; and
- Shaking potentially contaminated ventilation system filters.

D. Periodic Cleaning

The following is a general outline to be utilized for the properly trained personnel to conduct the periodic cleaning activities:

- Utilization of disposable rags to wet wipe of all non-porous horizontal surfaces followed by the use of a HEPA-equipped vacuum. Dry sweeping and/or dusting is not permitted to be used to clean the surfaces.
- The collected debris within the lined HEPA-equipped vacuum and disposal rags should be properly disposed of in a labeled asbestos-waste bag accompanied by a Waste Shipment Record for future disposal at a permitted facility that accepts asbestos waste.
- Document the Name of the individual conducting the work activities, location date and time of cleaning for proper recordkeeping. These records should be included within the AMP for the school.



Section 7 Operations and Maintenance Program (Continued)

4. RECORDKEEPING REQUIREMENTS

The building owner shall maintain the following documentation pertaining to ACBM in the facility:

- All data that are relied upon to demonstrate that suspect ACBM do not in fact contain asbestos.
- All data communicated and received that identify the locations and quantities of ACBM.
- All records associated with abatement projects and O&M activities. These
 documents shall be maintained during the term of ownership. They shall then be
 transferred to successive owners, in accordance with OSHA Regulation 1926.1101
 (n).
- If the owner's employees conduct activities that may potentially cause them to be exposed to asbestos fibers, the owner shall keep the following additional records:
- All employee exposure-monitoring records pursuant to OSHA Regulation 1926.1101(f).
- All information relative to medical surveillance of employees pursuant to OSHA Regulation 1926.1101(m). Medical surveillance shall be required only if:
 - 1. Employees are required to conduct tasks that would result in their exposure to airborne concentrations of asbestos above the OSHA permissible exposure limit (PEL); or
 - 2. If employees conduct asbestos abatement tasks for more than 30 days per year.
- The owner shall maintain all employee-training records for one year beyond the employee's last date of employee's last date of employment.

5. TRAINING REQUIREMENTS

The extent of asbestos training for facility employees depends on the type of asbestos-related activities they will conduct. For most employees who will require training, a two-hour awareness course will be sufficient but necessary. For employees who are involved in activities where exposure to airborne asbestos fibers is likely, a more comprehensive 16-hour training course is necessary.



Section 7 Operations and Maintenance Program (Continued)

AWARENESS TRAINING

The curriculum shall include instruction in the following:

- The location, quantity, and physical condition of all ACBM located in the facility.
- Recognition of damage, deterioration, and delaminating of ACBM.
- The health effects associated with asbestos exposure, including the relationship between smoking and asbestos in producing lung cancer.
- Procedures to be implemented in the event of a minor or major episode of fiber release.
- The requirements for posting signs and affixing labels, and the meaning of the required legends for such signs and labels.

COMPREHENSIVE WORKER TRAINING

The curriculum shall include instruction in the following:

- All awareness training information described above.
- The nature of operations that could result in exposure to asbestos, and the importance of necessary protective controls and of procedures for minimizing exposure, including:
 - engineering controls
 - work practices,
 - respirators,
 - housekeeping procedures,
 - hygiene facilities,
 - protective clothing,
 - decontamination procedures,
 - emergency procedures,
 - waste disposal procedures and any necessary instruction in the use of these controls and procedures.



Section 7

Operations and Maintenance Program (Continued)

- The purpose, proper use, fitting instructions, and limitations of respirators.
- Medical surveillance program requirements
- The contents of the OSHA standard (1926.1101) regarding asbestos in construction.
- Hands-on-training in the use of respiratory protection, other personal protection measures, and work practices.

Detailed procedures for conducting small-scale, short duration abatement activities, as defined in Appendix A to Subpart E to EPA Regulation 40 CFR Part 763.



APPENDIX A

LOCATIONS OF THE ASBESTOS CONTAINING BUILDING MATERIALS



	Wallipatuck Elementary School-200 Hideli Road							
Location	ACBM	Estima	Class		Cond.	Fri.	HA#	
20041011	Description	Quantity		Ciass	Contai			
	First Floor							
Room 1 (101)	9" x 9" Tan Floor Tile	890	ft ²	М	MD (2 ft ²)	N	6	
	Pipe Insulation (Assumed Above Ceiling)		lf					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units					
	Chalkboard	88	ft ²	M	G	N	5	
	Cementitious Panel Above Door	6	ft ²	М	G	N	5	
Room 2 (105)	9" x 9" Tan Floor Tile	890	ft ²	М	MD (4 ft ²)	N	6	
	Pipe Insulation (Assumed Above Ceiling)		lf					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units					
	Chalkboard	88	ft ²	М	G	N	5	
	Cementitious Panel Above Door	6	ft ²	М	G	N	5	
105B	9" x 9" Brown Floor Tile	48	ft ²	М	MD (4 ft ²)	N	6	
Room 3 (102)	9" x 9" Tan Floor Tile	890	ft ²	М	G	N	5	
	Pipe Insulation (Assumed Above Ceiling)		lf					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units					
	Chalkboard	88	ft ²	М	G	N	5	
	Cementitious Panel Above Door	6	ft ²	М	G	N	5	
102B	9" x 9" Brown Floor Tile	48	ft ²	М	MD (4 ft ²)	N	6	
Room 4 (106)	9" x 9" Tan Floor Tile	890	ft ²	М	G	N	5	
	Pipe Insulation (Assumed Above Ceiling)		lf					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units					
	Chalkboard	88	ft ²	М	G	N	5	
	Cementitious Panel Above Door	6	ft ²	М	G	N	5	



	ACBM	Estimated				
Location	Description	Quantity	Class	Cond.	Fri.	HA#
	First Floor (Continued)	Quarrency				
Room 5 (103)	9" x 9" Tan Floor Tile	890 ft ²	М	MD (24 ft ²)	N	6
, ,	Pipe Insulation (Assumed Above Ceiling)	lf		, ,		
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
	Cementitious Panel Above Door	6 ft ²	М	G	N	5
103B	9" x 9" Brown Floor Tile	48 ft ²	М	MD (4 ft ²)	N	6
Room 6 (107)	9" x 9" Tan Floor Tile	890 ft ²	М	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
	Cementitious Panel Above Door	6 ft ²	М	G	N	5
107B	9" x 9" Brown Floor Tile	48 ft ²	M	MD (6 ft ²)	N	6
Room 7 (104)	9" x 9" Tan Floor Tile	890 ft ²	М	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	M	G	N	5
	Cementitious Panel Above Door	6 ft ²	M	G	N	5
Room 8 (108)	9" x 9" Tan Floor Tile	890 ft ²	M	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
	Cementitious Panel Above Door	6 ft ²	М	G	N	5
North Boys Room (110)	Interior Window Glazing	12 lf	М	G	N	5
North Girls Room (113)	Interior Window Glazing	12 If	М	G	N	5
North Storage (115)	9" x 9" Brown Floor Tile	120 ft ²	М	G	N	5
116	9" x 9" Brown Floor Tile	264 ft ²	М	G	N	5



	Wampatuck Liementary School-200 Thus					
Location	ACBM	Estimated	Class	Cond.	Fri.	HA#
	Description	Quantity				
	First Floor (Continued)					
114	9" x 9" Brown Floor Tile	72 ft ²	М	G	N	5
112	9" x 9" Brown Floor Tile	20 ft ²	М	G	Ν	5
111	9" x 9" Brown Floor Tile	20 ft ²	М	G	N	5
North Hallway	9" x 9" Green Floor Tile	476 ft ²	М	G	N	5
	Drywall/Joint Compound	720 ft ²	М	G	N	5
Room 117	9" x 9" Green Floor Tile	500 ft ²	М	G	N	5
	Drywall/Joint Compound	720 ft ²	М	G	N	5
Room 9 (133)	9" x 9" Tan Floor Tile	900 ft ²	М	MD (6 ft ²)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
138	9" x 9" Brown Floor Tile	40 ft ²	М	G	N	5
Room 10	9" x 9" Tan Floor Tile	900 ft ²	М	MD (28 ft ²)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
137	9" x 9" Brown Floor Tile	40 ft ²	М	G	N	5
Room 11	9" x 9" Tan Floor Tile	900 ft ²	М	MD (4 ft ²)	N	6
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
Room 12 (143)	9" x 9" Tan Floor Tile	900 ft ²	М	G	N	5
	Pipe Insulation (Assumed Above Ceiling)	lf				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5



	ACBM	Estimated				
Location			Class	Cond.	Fri.	HA#
	Description	Quantity				
	First Floor (Continued)		1		T	_
146	9" x 9" Brown Floor Tile	168 ft ²	M	G	N	5
Kitchen	Corkboard and Adhesive	70 ft ²	M	С	N	5
Kitchen Office	Pipe Insulation	30 If	TSI	G	Υ	6
	Pipe Fitting Insulation	3 Units	TSI	MD (3)	Υ	1
Cafetorium	12" x 12" White Floor Tile	3000 ft ²	M	G	N	5
	Black Floor Tile Mastic	3000 ft ²	М	С	N	5
	Cementitious Panel Above Doors	42 ft ²	М	G	N	5
Room 13 (165)	12" White Blue Spec Floor Tile	900 ft ²	М	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft ²	М	С	N	5
	Pipe Insulation (Assumed Above Ceiling)	If				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
Room 14 (164)	12" White Blue Spec Floor Tile	900 ft ²	М	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft ²	М	С	N	5
	Pipe Insulation (Assumed Above Ceiling)	If				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
Room 15 (163)	12" White Blue Spec Floor Tile	900 ft ²	М	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft ²	М	С	N	5
	Pipe Insulation (Assumed Above Ceiling)	If				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5
Room 16	12" White Blue Spec Floor Tile	900 ft ²	М	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900 ft ²	М	С	N	5
	Pipe Insulation (Assumed Above Ceiling)	If				
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Chalkboard	88 ft ²	М	G	N	5



	ACBM	Estima	atod				
Location				Class	Cond.	Fri.	HA#
	Description	Quan	itity				
	First Floor (Continued)		s. 2	1	1 -	l	
Room 16.1	12" White Blue Spec Floor Tile		ft ²	M	G	N	5
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)		ft ²	M	С	N	5
	Pipe Insulation	20	lf	TSI	G	Υ	6
	Pipe Fitting Insulation		Units	TSI	G	Υ	6
Room 17 (162)	Mosaic Pattern Sheet Flooring	1156	ft ²	M	G	N	5
South Play Room	9" x 9" Brown Floor Tile (Under Carpet)	1600	ft ²	M	С	N	5
Nurses Area (129)	9" x 9" Brown Floor Tile	432	ft ²	M	MD (2 ft ²)	N	5
Office Area	12" White Blue Spec Floor Tile	140	ft ²	M	G	N	5
	9" x 9" Brown Floor Tile (Assumed Under 12" Tile)	140	ft ²	М	С	N	5
127A-Closet	9" x 9" Brown Floor Tile	24	ft ²	M	G	N	5
Principal (126)	9" x 9" Brown Floor Tile (Assumed Under Carpet)	154	ft ²	М	С	N	5
Teachers Room (121)	9" x 9" Brown Floor Tile	648	ft ²	M	MD (4 ft ²)	N	5
Conference Room (119)	9" x 9" Brown Floor Tile	572	ft ²	M	MD (2 ft ²)	N	5
	Interior Window Glazing	120	lf	М	G	N	5
Receiving Storage Room (153)	9" x 9" Brown Floor Tile	112	ft ²	М	G	N	5
	Pipe Insulation	10	lf	TSI	G	N	5
Room 18 (204)	12" x 12" Marble/Tan Floor Tile	900	ft ²	М	MD (30 ft ²)	N	5
	Black Floor Tile Mastic	900	ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units				
	Black Sink Mastic	1	Unit	М	G	N	5
Room 19 (202)	12" x 12" Marble/Tan Floor Tile	900	ft ²	М	G	N	5
	Black Floor Tile Mastic	900	ft ²	М	G	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units				
	Black Sink Mastic	1	Unit	М	G	N	5



	Wainpatuck Liementary School-200 mus					
Location	ACBM	Estimated	Class	Cond.	Fri.	HA#
Location	Description	Quantity	Class	cona.		1121
	First Floor (Continued)					
Room 20 (201)	12" x 12" Marble/Tan Floor Tile	900 ft ²	M	G	N	5
	Black Floor Tile Mastic	900 ft ²	M	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
Room 21 (203)	12" x 12" Marble/Tan Floor Tile	900 ft ²	М	G	N	5
	Black Floor Tile Mastic	900 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	M	G	N	5
Room 22 (205)	12" x 12" Marble/Tan Floor Tile	900 ft ²	М	G	N	5
	Black Floor Tile Mastic	900 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	М	G	N	5
Speech	12" x 12" Off-White Gray Spec Floor Tile	616 ft ²	М	G	N	5
	Black Floor Tile Mastic	616 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
AV Storage	12" x 12" Marble/Tan Floor Tile	176 ft ²	M	G	N	5
	Black Floor Tile Mastic	176 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
Library Office	12" x 12" Marble/Tan Floor Tile	121 ft ²	М	G	N	5
	Black Floor Tile Mastic	121 ft ²	M	С	N	
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	М	G	N	5
Work Room	12" x 12" Marble/Tan Floor Tile	154 ft ²	М	G	N	5
	Black Floor Tile Mastic	154 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				



	ACBM	Estimated				
Location				Cond.	Fri.	HA#
	Description	Quantity				
	First Floor (Continued)	100 5.2	1	10.52	T	
220-Custodial	12" x 12" Marble/Tan Floor Tile	108 ft ²	M	MD (6 ft ²)	N	6
	Black Floor Tile Mastic	108 ft ²	M	С	N	5
	Pipe Fitting Insulation	4 Units	TSI	G	Υ	6
Room 23 (213)	12" x 12" Marble/Tan Floor Tile	900 ft ²	М	G	N	5
	Black Floor Tile Mastic	900 ft ²	M	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	М	G	N	5
Room 24 (215)	12" x 12" Marble/Tan Floor Tile	900 ft ²	М	G	N	5
	Black Floor Tile Mastic	900 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	1 Unit	М	G	N	5
222	12" x 12" Off-White Gray Spec Floor Tile	280 ft ²	М	G	N	5
	Black Floor Tile Mastic	280 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
224	12" x 12" Off-White Gray Spec Floor Tile	196 ft ²	М	G	N	5
	Black Floor Tile Mastic	196 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
Room 25	12" x 12" Marble/Tan Floor Tile	1204 ft ²	М	MD (3 ft ²)	N	6
	Black Floor Tile Mastic	1204 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	2 Units	М	G	N	5
Room 25-26 Hall	12" x 12" Marble/Tan Floor Tile	40 ft ²	М	G	N	5
	Black Floor Tile Mastic	40 ft ²	М	С	N	5
Room 26	12" x 12" Marble/Tan Floor Tile	1204 ft ²	М	MD (3 ft ²)	N	6
	Black Floor Tile Mastic	1204 ft ²	М	С	N	5
	Pipe Fitting Insulation (Assumed Above Ceiling)	Units				
	Black Sink Mastic	2 Units	М	G	N	5



Notes:

ft² = Square Foot Cond. = Condition U = Unknown NA = Not Accessible

If = Linear Foot G = Good C = Covered

Unit = Each MD = Minor Damage M = Miscellaneous

Y= Yes D = Damaged S= Surfacing

N = No Fri. = Friable TSI = Thermal System Insulation

HA # = Homogenous Area Hazard Assessment Category

1 = Damaged/Significantly Damaged Thermal System Insulation

2 = Damaged Friable Surfacing ACBM

3 = Significantly Damaged Friable Surfacing ACBM

4 = Damaged or Significantly Damaged Friable Miscellaneous ACBM

5 = ACBM with Potential for Damage

6 = ACBM with Potential for Significant Damage

7 = Any Remaining Friable ACBM or Friable Suspected ACBM

NA = Not Applicable



APPENDIX B

ESTIMATED RESOURCES REQUIRED TO COMPLETE THE RESPONSE ACTIONS



Appendix B AHERA Inspection May 2021 Estimated Resources to Complete Response Actions Wampatuck Elementary School-266 Tilden Road

Location	ACBM Description		mated antity	Recommended Response Action	Estimated Cost	Recommended Completion Date of Response Action	Date of Completed Response Action
		Firs	t Floor				
Room 1 (101)	9" x 9" Tan Floor Tile	2	ft ²	Repair	\$18.00	July 2021	
Room 2 (105)	9" x 9" Tan Floor Tile	4	ft ²	Repair	\$36.00	July 2021	
105B	9" x 9" Brown Floor Tile	4	ft ²	Repair	\$36.00	July 2021	
102B	9" x 9" Brown Floor Tile	4	ft ²	Repair	\$36.00	July 2021	
Room 5 (103)	9" x 9" Tan Floor Tile	24	ft ²	Repair	\$216.00	July 2021	
103B	9" x 9" Brown Floor Tile	4	ft ²	Repair	\$36.00	July 2021	
107B	9" x 9" Brown Floor Tile	6	ft ²	Repair	\$54.00	July 2021	
Room 9 (133)	9" x 9" Tan Floor Tile	6	ft ²	Repair	\$54.00	July 2021	
Room 10	9" x 9" Tan Floor Tile	28	ft ²	Repair	\$252.00	July 2021	
Room 11	9" x 9" Tan Floor Tile	4	ft ²	Repair	\$36.00	July 2021	
Kitchen Office	Pipe Fitting Insulation	3	Units	Repair	\$75.00	July 2021	
Nurses Area (129)	9" x 9" Brown Floor Tile	2	ft ²	Repair	\$18.00	July 2021	
Teachers Room (121)	9" x 9" Brown Floor Tile	4	ft ²	Repair	\$36.00	July 2021	
Conference Room (119)	9" x 9" Brown Floor Tile	2	ft ²	Repair	\$18.00	July 2021	
Room 18 (204)	12" x 12" Marble/Tan Floor Tile	30	ft ²	Repair	\$270.00	July 2021	
220-Custodial	12" x 12" Marble/Tan Floor Tile	6	ft ²	Repair	\$54.00	July 2021	
Room 25	12" x 12" Marble/Tan Floor Tile	3	ft ²	Repair	\$27.00	July 2021	
Room 26	12" x 12" Marble/Tan Floor Tile	3	ft ²	Repair	\$27.00	July 2021	
Room 5 (103)	9" x 9" Tan Floor Tile	24	ft ²	Repair	\$216.00	July 2021	

Notes:

ft² = Square Foot

Unit = Each



* The estimated cost provided above is developed from current Abatement Contractor Unit pricing. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. In addition, the costs above do not include mobilization of the Abatement Contractor, Abatement Work Plan/Design, Project Monitoring and/or Clearance Testing Services for the completion of the response actions. Please refer for below unit pricing regarding costs for the Contractor Mobilization and Clearance Testing Services:

Abatement Work Plan/Design Specification = \$500-\$2,500.00
Abatement Contactor Mobilization = \$1,500.00-\$2,500.00
Project Monitoring/Clearance Testing = \$520.00-\$600.00/per shift
Transmission Electron Microcopy (TEM) Analysis = \$75.00-\$100.00/sample
Phase Contrast Microscopy (PCM) Analysis = No Charge -\$15.00/sample
Clearance Report Preparation = \$350.00-\$800.00

**The estimated cost provided above does not include costs that may be associated with two-hour asbestos awareness training, OSHA 16-hr Operations and Maintenance Training, and/or the labor to conduct the required six-month surveillance re-inspections. Please refer below for estimated costs that may be associated with the mentioned above:

2-Hour Asbestos Awareness Training = \$75/person
OSHA 16-hr Operations and Maintenance Training = \$300/person
Six-Month Periodic Surveillance Inspection = \$400/inspection



APPENDIX C

ESTIMATED RESOURCES REQUIRED FOR THE ABATEMENT OF THE IDENTIFIED ACBMs



Location	ACBM		nated	Estimated Costs
	Description	Qua	ntity	
	First Floor			
Room 1 (101)	9" x 9" Tan Floor Tile	890	ft ²	\$8,010.00
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
	Cementitious Panel Above Door	6	ft ²	\$60.00
Room 2 (105)	9" x 9" Tan Floor Tile	890	ft ²	\$8,010.00
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
	Cementitious Panel Above Door	6	ft ²	\$60.00
105B	9" x 9" Brown Floor Tile	48	ft ²	\$432.00
Room 3 (102)	9" x 9" Tan Floor Tile	890	ft ²	\$8,010.00
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
	Cementitious Panel Above Door	6	ft ²	\$60.00
102B	9" x 9" Brown Floor Tile	48	ft ²	\$432.00
Room 4 (106)	9" x 9" Tan Floor Tile	890	ft ²	\$8,010.00
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
	Cementitious Panel Above Door	6	ft ²	\$60.00



	ACBM		nated					
Location	Description		ntity	Estimated Costs				
First Floor (Continued)								
Room 5 (103)	9" x 9" Tan Floor Tile	890	ft ²	\$8,010.00				
,	Pipe Insulation (Assumed Above Ceiling)		If	, ,				
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units					
	Chalkboard	88	ft ²	\$880.00				
	Cementitious Panel Above Door	6	ft ²	\$60.00				
103B	9" x 9" Brown Floor Tile	48	ft ²	\$432.00				
Room 6 (107)	9" x 9" Tan Floor Tile	890	ft ²	\$8,010.00				
	Pipe Insulation (Assumed Above Ceiling)		lf					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units					
	Chalkboard	88	ft ²	\$880.00				
	Cementitious Panel Above Door	6	ft ²	\$60.00				
107B	9" x 9" Brown Floor Tile	48	ft ²	\$432.00				
Room 7 (104)	9" x 9" Tan Floor Tile	890	ft ²	\$8,010.00				
	Pipe Insulation (Assumed Above Ceiling)		lf					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units					
	Chalkboard	88	ft ²	\$880.00				
	Cementitious Panel Above Door	6	ft ²	\$60.00				
Room 8 (108)	9" x 9" Tan Floor Tile	890	ft ²	\$8,010.00				
	Pipe Insulation (Assumed Above Ceiling)		lf					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units					
	Chalkboard	88	ft ²	\$880.00				
	Cementitious Panel Above Door	6	ft ²	\$60.00				
North Boys Room (110)	Interior Window Glazing	12	lf	\$120.00				
North Girls Room (113)	Interior Window Glazing	12	lf	\$120.00				
North Storage (115)	9" x 9" Brown Floor Tile	120	ft ²	\$1,080.00				
116	9" x 9" Brown Floor Tile	264	ft ²	\$2,376.00				



	ACBM		nated	- · · · · · ·
Location	Description	Quantity		Estimated Costs
	First Floor (Continued)			
114	9" x 9" Brown Floor Tile	72	ft ²	\$648.00
112	9" x 9" Brown Floor Tile	20	ft ²	\$180.00
111	9" x 9" Brown Floor Tile	20	ft ²	\$180.00
North Hallway	9" x 9" Green Floor Tile	476	ft ²	\$4,284.00
	Drywall/Joint Compound	720	ft ²	\$4,320.00
Room 117	9" x 9" Green Floor Tile	500	ft ²	\$4,500.00
	Drywall/Joint Compound	720	ft ²	\$4,320.00
Room 9 (133)	9" x 9" Tan Floor Tile	900	ft ²	\$8,100.00
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
138	9" x 9" Brown Floor Tile	40	ft ²	\$360.00
Room 10	9" x 9" Tan Floor Tile	900	ft ²	\$8,100.00
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
137	9" x 9" Brown Floor Tile	40	ft ²	\$360.00
Room 11	9" x 9" Tan Floor Tile	900	ft ²	\$8,100.00
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
Room 12 (143)	9" x 9" Tan Floor Tile	900	ft ²	\$8,100.00
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00



	wampatuck Elementary School-266 Tilden Ro	au		1
Location	ACBM	Estin	nated	Estimated Costs
Location	Description	Quantity		Estimated Costs
	First Floor (Continued)			
146	9" x 9" Brown Floor Tile	168	ft ²	\$1,512.00
Kitchen	Corkboard and Adhesive	70	ft ²	\$420.00
Kitchen Office	Pipe Insulation	30	lf	\$750.00
	Pipe Fitting Insulation	3	Units	\$75.00
Cafetorium	12" x 12" White Floor Tile	3000	ft ²	\$27,000.00
	Black Floor Tile Mastic	3000	ft ²	
	Cementitious Panel Above Doors	42	ft ²	\$420.00
Room 13 (165)	12" White Blue Spec Floor Tile	900	ft ²	\$9,900.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900	ft ²	
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
Room 14 (164)	12" White Blue Spec Floor Tile	900	ft ²	\$9,900.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900	ft ²	
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
Room 15 (163)	12" White Blue Spec Floor Tile	900	ft ²	\$9,900.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900	ft ²	
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00
Room 16	12" White Blue Spec Floor Tile	900	ft ²	\$9,900.00
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900	ft ²	
	Pipe Insulation (Assumed Above Ceiling)		lf	
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	
	Chalkboard	88	ft ²	\$880.00



Laastian	ACBM	Estin	nated	Fatimated Coats					
Location	Description	Quantity		Estimated Costs					
	First Floor (Continued)								
Room 16.1	12" White Blue Spec Floor Tile	64	ft ²	\$704.00					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	64	ft ²						
	Pipe Insulation	20	lf	\$500.00					
	Pipe Fitting Insulation	3	Units	\$75.00					
Room 17 (162)	Mosaic Pattern Sheet Flooring	1156	ft ²	\$10,404.00					
South Play Room	9" x 9" Brown Floor Tile (Under Carpet)	1600	ft ²	\$14,400.00					
Nurses Area (129)	9" x 9" Brown Floor Tile	432	ft ²	\$3,888.00					
Office Area	12" White Blue Spec Floor Tile	140	ft ²	\$1,260.00					
	9" x 9" Brown Floor Tile (Assumed Under 12"								
	Tile)	140	ft ²	\$1,540.00					
127A-Closet	9" x 9" Brown Floor Tile	24	ft ²	\$216.00					
	9" x 9" Brown Floor Tile (Assumed Under								
Principal (126)	Carpet)	154	ft ²	\$1,386.00					
Teachers Room (121)	9" x 9" Brown Floor Tile	648	ft ²	\$5,832.00					
Conference Room (119)	9" x 9" Brown Floor Tile	572	ft ²	\$5,148.00					
	Interior Window Glazing	120	lf	\$1,200.00					
Receiving Storage Room (153)	9" x 9" Brown Floor Tile	112	ft ²	\$1,008.00					
	Pipe Insulation	10	lf	\$250.00					
Room 18 (204)	12" x 12" Marble/Tan Floor Tile	900	ft ²	\$8,100.00					
	Black Floor Tile Mastic	900	ft ²	\$0.00					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	\$0.00					
	Black Sink Mastic	1	Unit	\$50.00					
Room 19 (202)	12" x 12" Marble/Tan Floor Tile	900	ft ²	\$8,100.00					
	Black Floor Tile Mastic	900	ft ²	\$0.00					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units	\$0.00					
	Black Sink Mastic	1	Unit	\$50.00					



Lanation	ACBM	ACBM Estima		Fatimated Costs	
Location	Description	Quantity		Estimated Costs	
	First Floor (Continued)				
Room 20 (201)	12" x 12" Marble/Tan Floor Tile	900	ft ²	\$8,100.00	
	Black Floor Tile Mastic	900	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
	Black Sink Mastic	1	Unit	\$50.00	
Room 21 (203)	12" x 12" Marble/Tan Floor Tile	900	ft ²	\$8,100.00	
	Black Floor Tile Mastic	900	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
	Black Sink Mastic	1	Unit	\$50.00	
Room 22 (205)	12" x 12" Marble/Tan Floor Tile	900	ft ²	\$8,100.00	
	Black Floor Tile Mastic	900	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
	Black Sink Mastic	1	Unit	\$50.00	
Speech	12" x 12" Off-White Gray Spec Floor Tile	616	ft ²	\$5,544.00	
	Black Floor Tile Mastic	616	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
AV Storage	12" x 12" Marble/Tan Floor Tile	176	ft ²	\$1,584.00	
	Black Floor Tile Mastic	176	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
Library Office	12" x 12" Marble/Tan Floor Tile	121	ft ²	\$1,089.00	
	Black Floor Tile Mastic	121	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
	Black Sink Mastic	1	Unit	\$50.00	
Work Room	12" x 12" Marble/Tan Floor Tile	154	ft ²	\$1,386.00	
	Black Floor Tile Mastic	154	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)	<u> </u>	Units		



Location	ACBM	Estin	nated	Estimated Costs	
Location	Description	Quantity		Estimated Costs	
	First Floor (Continued)				
220-Custodial	12" x 12" Marble/Tan Floor Tile	108	ft ²	\$972.00	
	Black Floor Tile Mastic	108	ft ²		
	Pipe Fitting Insulation	4	Units	\$100.00	
Room 23 (213)	12" x 12" Marble/Tan Floor Tile	900	ft ²	\$8,100.00	
	Black Floor Tile Mastic	900	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
	Black Sink Mastic	1	Unit	\$50.00	
Room 24 (215)	12" x 12" Marble/Tan Floor Tile	900	ft ²	\$8,100.00	
	Black Floor Tile Mastic	900	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
	Black Sink Mastic	1	Unit	\$50.00	
222	12" x 12" Off-White Gray Spec Floor Tile	280	ft ²	\$2,520.00	
	Black Floor Tile Mastic	280	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
224	12" x 12" Off-White Gray Spec Floor Tile	196	ft ²	\$1,764.00	
	Black Floor Tile Mastic	196	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
Room 25	12" x 12" Marble/Tan Floor Tile	1204	ft ²	\$10,836.00	
	Black Floor Tile Mastic	1204	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
	Black Sink Mastic	2	Units	\$100.00	
Room 25-26 Hall	12" x 12" Marble/Tan Floor Tile	40	ft ²	\$360.00	
	Black Floor Tile Mastic	40	ft ²		
Room 26	12" x 12" Marble/Tan Floor Tile	1204	ft ²	\$10,836.00	
	Black Floor Tile Mastic	1204	ft ²		
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units		
	Black Sink Mastic	2	Units	\$100.00	



Notes: ft² = Square Foot If = Linear Foot Unit = Each

* The estimated cost provided above is developed from current Abatement Contractor Unit pricing. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs, phasing of work, etc. The estimated cost for floor tile mastic removal is included within the total cost for the removal of the associated floor tile. In addition, the costs above do not include mobilization of the Abatement Contractor, Abatement Work Plan/Design, Project Monitoring and/or Clearance Testing Services for the completion of the response actions. Please refer for below unit pricing regarding costs for the Contractor Mobilization and Clearance Testing Services:

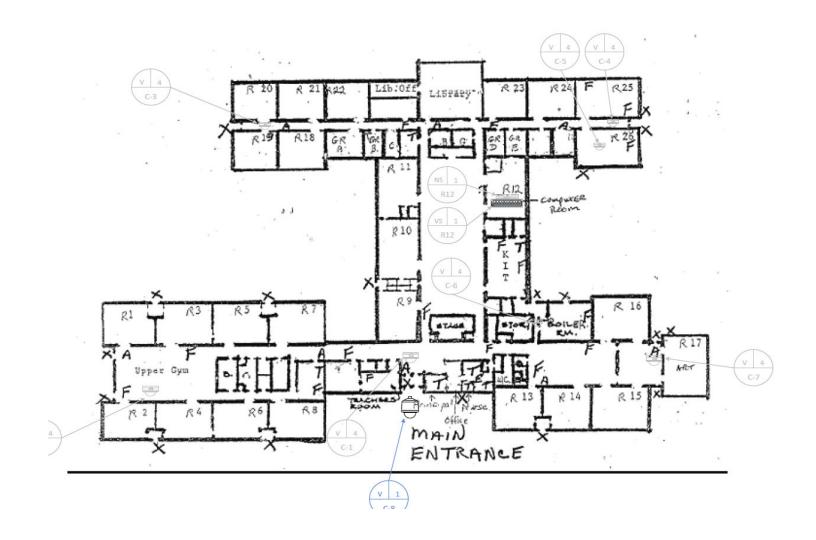
Abatement Work Plan/Design Specification = \$500-\$2,500.00
Abatement Contactor Mobilization = \$1,500.00-\$2,500.00
Project Monitoring/Clearance Testing = \$520.00-\$600.00/per shift
Transmission Electron Microcopy (TEM) Analysis = \$75.00-\$100.00/sample
Phase Contrast Microscopy (PCM) Analysis = No Charge -\$15.00/sample
Clearance Report Preparation = \$350.00-\$800.00



APPENDIX D

SCHEMATIC





APPENDIX E

LABORATORY RESULTS





EMSL Order: 132102949 Customer ID: VERT51

Customer PO: Project ID:

Attention: Jason Mohre Phone: (617) 939-3823

The Vertex Companies, Inc. Fax: (781) 335-3543

398 Libbey Parkway **Received Date:** 04/26/2021 11:55 AM

Weymouth, MA 02189

Analysis Date: 04/29/2021

Collected Date: 04/22/2021

Project: 69699 - Wampatuck Elementary; 266 Tilden Road

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

			Non-A	<u>sbestos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
B-422-01A 132102949-0001	Wampatuck Elementary; 1st Floor; Room 222 - 12"	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
702702343 0007	Off-White Spec Floor Tile	Homogeneous			
B-422-01B	Wampatuck Elementary; 1st Floor;				Positive Stop (Not Analyzed)
132102949-0002	Room 208 - 12" Off-White Spec Floor Tile				
B-422-02A	Wampatuck Elementary; 1st Floor;	Black Non-Fibrous		90% Non-fibrous (Other)	10% Chrysotile
132102949-0003	Room 222 - Black Floor Tile Mastic	Homogeneous			
B-422-02B	Wampatuck Elementary; 1st Floor;				Positive Stop (Not Analyzed)
132102949-0004	Room 208 - Black Floor Tile Mastic				
B-422-03A	Wampatuck Elementary; 1st Floor;	Black Non-Fibrous		95% Non-fibrous (Other)	5% Chrysotile
132102949-0005	Room 222 - 12" Black/Dark Brown Speck Floor Tile	Homogeneous			
B-422-03B	Wampatuck Elementary; 1st Floor;				Positive Stop (Not Analyzed)
132102949-0006	Room 208 - 12" Black/Dark Brown Speck Floor Tile				

Analyst(s)	
Kevin Pine (3)	Steve Grise, Laboratory Manager
	or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-139, VT AL998919, ME LB-0039

OrderID: 132102949

A B B A B X

132102949

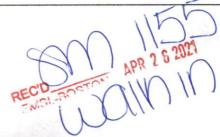
Bulk Sampling Log Form

Project Name:	Wampthick Elmstory	266 Tilcha Project	#: 69699	Page: /o +/
Client:	SPS	Dat	e: 4/22/21	Inspector: J. no hu

Building	Floor	Room	Description	Field #	Comments	Fri / Non-F
Elements,		222	12" offendin - Spec Floor	B-422-01A		/-
		2.8	J	B-422-018	×	
		222	Black Floor The	B-422-02A		
		208		13-422-028		/
		222	12° Black / Dork Book Speck Floor tike	B-422-03-A		/
V		208	<i>\</i>	13-722-0318		/
			-17			/
					Į.	

Delivered By	Date	#Samples	Received By	Date	Time	# Samples
2	4/22/21	18			8	

72-hr TAT
PLM- Ashstas Bulk
Positur Stop



CLIENT:

SCITUATE PUBLIC SCHOOLS

600 CHIEF JUSTICE CUSHING HIGHWAY

SCITUATE, MA 02066

ANALYZED:

PROJECT:

13.00298 - 392330

DATE RECEIVED: 08/23/13

08/26/13 TO 08/27/13

08/19/13 TO 08/20/13

COLLECTED BY: COVINO COLLECTED:

LOCATION: WAMPATUCK ELEMENTARY SCHOOL 266 TILDEN ROAD

SCITUATE, MASSACHUSETTS

ANALYTICAL RESULTS OF BULK SAMPLES

COLOR LAB ID SAMPLE DESCRIPTION **LAYERED ANALYTICAL RESULTS** 392330 FIELD ID: 1A WH **ASBESTOS - AMOSITE** 40 % MATERIAL: PIPE INSULATION N ASBESTOS - CROCIDOLITE 10% LOCATION: HALL, @ S. STORAGE ROOM NONFIBROUS MATERIAL 50 % 392331 FIELD ID: SAMPLE NOT ANALYZED N/A MATERIAL: PIPE INSULATION N/A LOCATION: KITCHEN, OFFICE 392332 FIELD ID: 1C N/A SAMPLE NOT ANALYZED MATERIAL: PIPE INSULATION N/A LOCATION: ROOM 146 392333 FIELD ID: NO ASBESTOS DETECTED 2A TN MATERIAL: PIPE FITTING INSULATION **FIBROUS GLASS** N 37% LOCATION: S. STORAGE ROOM NONFIBROUS MATERIAL 63 % 392334 FIELD ID: 2B TN **ASBESTOS - CHRYSOTILE** 08 % MATERIAL: PIPE FITTING INSULATION FIBROUS GLASS 35 % N LOCATION: ROOM 146 NONFIBROUS MATERIAL 57% 392335 FIELD ID: 2C N/A SAMPLE NOT ANALYZED MATERIAL: PIPE FITTING INSULATION N/A LOCATION: HALL, @ OFFICE 392336 FIELD ID: 2D N/A SAMPLE NOT ANALYZED MATERIAL: PIPE FITTING INSULATION N/A LOCATION: ROOM 2 392337 FIELD ID: 2E N/A SAMPLE NOT ANALYZED MATERIAL: PIPE FITTING INSULATION N/A LOCATION: ROOM 1



PROJECT: 13.00298 - 392330 SAMPLE LAB IDs: 392330 TO 392478, NO. OF SAMPLES: 149

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392338	FIELD ID: 2F	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE FITTING INSULATION	N/A		
	LOCATION: ROOM 13			
392339	FIELD ID: 2G	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: PIPE FITTING INSULATION	N/A		
	LOCATION: ROOM 15			
392340	FIELD ID: 3A	PI	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
392341	FIELD ID: 3B	PI	NO ASBESTOS DETECTED	1221
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE LOCATION: HALL, @ S. STORAGE ROOM	N	NONFIBROUS MATERIAL	100 %
	ECCATION. HALL, @ S. STORAGE ROOM			
392342	FIELD ID: 3C	PI	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: HALL, BY OFFICE			
g				
392343	FIELD ID: 4A	BK	NO ASBESTOS DETECTED	100.0/
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE MASTIC LOCATION: OFFICE	N	NONFIBROUS MATERIAL	100 %
5.5				
392344	FIELD ID: 4B	BK	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	001
	LOCATION: HALL, BY S. STORAGE ROOM			
392345	FIELD ID: 4C	BK	NO ASBESTOS DETECTED	100.04
	MATERIAL: 12" X 12" MULTICOLOR FLOOR TILE MASTIC LOCATION: HALL, BY OFFICE	N	NONFIBROUS MATERIAL	100 %
	DOCATION, HALL, BI OFFICE			
392346	FIELD ID: 5A	BR	ASBESTOS - CHRYSOTILE	08 %
	MATERIAL: 9" X 9" BROWN FLOOR TILE	N	NONFIBROUS MATERIAL	92 %
	LOCATION: S. STORAGE ROOM			

REPORT ID: 10753 PROJECT: 13.00298 - 392330 SAMPLE LAB IDs: 392330 TO 392478, NO. OF SAMPLES: 149

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392347	FIELD ID: 5B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE	N/A	3. 1.11 22 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	
	LOCATION: RECEIVING STORAGE ROOM			
392348	FIELD ID: 5C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE LOCATION: TEACHER'S ROOM	N/A		
392349	FIELD ID: 6A	вк	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: S. STORAGE ROOM		-	
302350	FIELD ID: 6B	BK	NO ASPESSOS DESPOSED	
372330	MATERIAL: 9" X 9" BROWN FLOOR TILE MASTIC	N N	NO ASBESTOS DETECTED NONFIBROUS MATERIAL	100.0/
	LOCATION: RECEIVING STORAGE ROOM	R.	NONFIBROUS MATERIAL	100 %
			a _ a	
392351	FIELD ID: 6C	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" BROWN FLOOR TILE MASTIC LOCATION: TEACHER'S ROOM	N	NONFIBROUS MATERIAL	100 %
392352	FIELD ID: 7A	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT LOCATION: S. STORAGE ROOM	N	NONFIBROUS MATERIAL	100 %
392353	FIELD ID: 7B	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING STORAGE ROOM			
392354	FIELD ID: 7C	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	HAIR	02 %
	LOCATION: ROOM 146		NONFIBROUS MATERIAL	98 %
392355	FIELD ID: 7D	CV	NO ACRECTOS DETECTOS	
J/2JJJ	MATERIAL: PLASTER CEILING, BASE COAT	GY N	NO ASBESTOS DETECTED HAIR	02.07
	LOCATION: ROOM 6	N	NONFIBROUS MATERIAL	02 % 98 %
			NONTIDROUS MATERIAL	76 7 0

REPORT ID: 10753

PROJECT: 13.00298 - 392330 SAMPLE LAB IDs: 392330 TO 392478, NO. OF SAMPLES: 149

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392356	FIELD ID: 7E MATERIAL: PLASTER CEILING, BASE COAT	GY N	NO ASBESTOS DETECTED HAIR	< 1%
	LOCATION: ROOM 119		NONFIBROUS MATERIAL	100 %
392357	FIELD ID: 7F	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	HAIR	< 1%
	LOCATION: ROOM 13		NONFIBROUS MATERIAL	100 %
392358	FIELD ID: 7G	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, BASE COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 15			
103				
392359	FIELD ID: 8A	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT LOCATION: S. STORAGE ROOM	N	NONFIBROUS MATERIAL	100 %
	LOCATION: 5. STORAGE ROOM			
392360	FIELD ID: 8B	WH	NO ASBESTOS DETECTED	
98	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING STORAGE ROOM			
392361	FIELD ID: 8C	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 146			
392362	FIELD ID: 8D	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 6			
392363	FIELD ID: 8E	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 169			

REPORT ID: 10753

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ENVIRONMENTAL
ASSOCIATES: INC

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	400
392364	FIELD ID: 8F	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 13			
392365	FIELD ID: 8G	WH	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING, SKIM COAT	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 15			
392366	FIELD ID: 9A	GN	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
			No Language Programs	
392367	FIELD ID: 9B	GN N	NO ASBESTOS DETECTED	100 %
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE LOCATION: RECEIVING ROOM	N	NONFIBROUS MATERIAL	100 76
	BOOM NO NO NO NO			
392368	FIELD ID: 9C	GN	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM	80		
202260	FIELD ID: 10A	YL	NO ASBESTOS DETECTED	
392309	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM		17	
392370	FIELD ID: 10B	YL	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
392371	FIELD ID: 10C	YL	NO ASBESTOS DETECTED	
	MATERIAL: 12" X 12" LIME GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: RECEIVING ROOM			
			Ta	
392372	FIELD ID: 11A	GY	NO ASBESTOS DETECTED	100.07
	MATERIAL: 3' X 4' CEMENTITIOUS COOLER WALL PANEL LOCATION: KITCHEN	N	NONFIBROUS MATERIAL	100 %
	DOOMION. RITORIDIY			

REPORT ID: 10753 PROJECT: 13.00298 - 392330 SAMPLE LAB IDs: 392330 TO 392478, NO. OF SAMPLES: 149

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
		GY	NO ASBESTOS DETECTED	
5,25.0	FIELD ID: 11B MATERIAL: 3' X 4' CEMENTITIOUS COOLER WALL PANEL	•	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN		3)	
	BOOKHOM III OLID			
202274	FIELD ID: 12A	BR/BK	ASBESTOS - CHRYSOTILE	12 %
	MATERIAL: COOLER CORK CEILING INSULATION	Y	CELLULOSE	28 %
	LOCATION: KITCHEN		NONFIBROUS MATERIAL	60 %
	LAB NOTE: CHRYSOTILE ASSOCIATED WITH BLACK LAYER.			
202275	FIELD ID: 12B	N/A	SAMPLE NOT ANALYZED	
392313	MATERIAL: COOLER CORK CEILING INSULATION	N/A		
	LOCATION: KITCHEN		20	
şķi.		TN	NO ASBESTOS DETECTED	
392376	FIELD ID: 13A	N	NONFIBROUS MATERIAL	100 %
	MATERIAL: 12" X 12" TAN FLOOR TILE LOCATION: KITCHEN	N	Note in the second seco	
200277	FIELD ID: 13B	TN	NO ASBESTOS DETECTED	
392377	MATERIAL: 12" X 12" TAN FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN			
		вк	NO ASBESTOS DETECTED	
392378	FIELD ID: 14A MATERIAL: 12" X 12" TAN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: KITCHEN			
	ć.	and the		
392379	FIELD ID: 14B	BK	NO ASBESTOS DETECTED	100 %
	MATERIAL: 12" X 12" TAN FLOOR TILE MASTIC LOCATION: KITCHEN	N	NONFIBROUS MATERIAL	100 %
202280	FIELD ID: 15A	GY	ASBESTOS - CHRYSOTILE	30 %
392380	MATERIAL: AIRCELL PIPE INSULATION	N	CELLULOSE	20 %
	LOCATION: KITCHEN, OFFICE		NONFIBROUS MATERIAL	50 %
			î es	W S
392381	FIELD ID: 15B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: AIRCELL PIPE INSULATION	N/A		
	LOCATION: ROOM 146			



LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392382	FIELD ID: 15C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: AIRCELL PIPE INSULATION	N/A		
	LOCATION: ROOM 146			
392383	FIELD ID: 16A	BR/WH	NO ASBESTOS DETECTED	
372363	MATERIAL: 1' X 1' PERFORATED WALL/CEILING TILE	N	CELLULOSE	90 %
	LOCATION: ROOM 12		NONFIBROUS MATERIAL	10 %
		BR/WH	NO ASBESTOS DETECTED	
392384	FIELD ID: 16B MATERIAL: 1' X 1' PERFORATED WALL/CEILING TILE	N	CELLULOSE	90 %
	LOCATION: CONFERENCE ROOM		NONFIBROUS MATERIAL	10 %
7.5			- A 15	
392385	FIELD ID: 16C	BR/WH	NO ASBESTOS DETECTED	
8	MATERIAL: I'X I'PERFORATED WALL/CEILING TILE	N	CELLULOSE	90 %
	LOCATION: CONFERENCE ROOM		NONFIBROUS MATERIAL	10%
392386	FIELD ID: 17A	BR	NO ASBESTOS DETECTED	
	MATERIAL: GLUE DAUB ASSOC. W/1' X 1' WALL/CEILING	N	TALC	10 %
	TILE		NONFIBROUS MATERIAL	90 %
	LOCATION: ROOM 12			
392387	FIELD ID: 17B	BR	NO ASBESTOS DETECTED	
3,250,	MATERIAL: GLUE DAUB ASSOC. W/I' X I' WALL/CEILING	N	TALC	10 %
	TILE LOCATION: CONFERENCE ROOM		NONFIBROUS MATERIAL	90 %
	LOCATION. CONFERENCE ROOM			
392388	FIELD ID: 17C	BR	NO ASBESTOS DETECTED	
	MATERIAL: GLUE DAUB ASSOC. W/I' X I' WALL/CEILING	N	TALC	10 %
	TILE		NONFIBROUS MATERIAL	90 %
	LOCATION: CONFERENCE ROOM			
200222	PIELD ID. 194	BR	NO ASBESTOS DETECTED	
392389	FIELD ID: 18A MATERIAL: 4" WALL BASE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 12	1.30		

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LAB ID	SAMPLE DESCRIPTION		COLOR LAYERED	ANALYTICAL RESULTS	
			BR	NO ASBESTOS DETECTED	
392390	FIELD ID: 18B		N	NONFIBROUS MATERIAL	100 %
	MATERIAL: 4" WALL BASE LOCATION: ROOM 15	1	IN .	NOM IBROOS MATERIAL	
	LOCATION: ROOM 13				
202201	FIELD ID: 18C		BR	NO ASBESTOS DETECTED	
392391	MATERIAL: 4" WALL BASE		N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 5				
	200				
392392	FIELD ID: 19A		BR	NO ASBESTOS DETECTED	
572572	MATERIAL: 4" WALL BASE ADHESIVE		N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 12				
392393	FIELD ID: 19B		BR	NO ASBESTOS DETECTED	
3,23,3	MATERIAL: 4" WALL BASE ADHESIVE		N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 15				
	•				
392394	FIELD ID: 19C		BR	NO ASBESTOS DETECTED	
	MATERIAL: 4" WALL BASE ADHESIVE		N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 5				
		i			
392395	FIELD ID: 20A		TN	ASBESTOS - CHRYSOTILE	10 %
	MATERIAL: 9" X 9" TAN FLOOR TILE		N	NONFIBROUS MATERIAL	90 %
	LOCATION: ROOM 12				
			50.00	A new or Asia	
392396	FIELD ID: 20B		N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" TAN FLOOR TILE		N/A		
	LOCATION: ROOM 10				
392397	FIELD ID: 20C		N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 9" X 9" TAN FLOOR TILE		N/A		
	LOCATION: ROOM 6				
202200	FIELD ID: 21A		вк	NO ASBESTOS DETECTED	
372378	MATERIAL: 9" X 9" TAN FLOOR TILE MASTIC		N ·	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 12	5			
				7	

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LARID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
LABID	SAMI LE DESCRI HON	BRIBRE	C 85500 70 40 14	
392399	FIELD ID: 21B	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" TAN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 10			¥.
392400	FIELD ID: 21C	BK	NO ASBESTOS DETECTED	
	MATERIAL: 9" X 9" TAN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 6			
392401	FIELD ID: 22A	WH	NO ASBESTOS DETECTED	
3,2101	MATERIAL: 12" X 12" WHITE FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
392402	FIELD ID: 22B	WH	NO ASBESTOS DETECTED	
372402	MATERIAL: 12" X 12" WHITE FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
392403	FIELD ID: 22C	TN	ASBESTOS - CHRYSOTILE	10 %
372403	MATERIAL: 12" X 12" WHITE FLOOR TILE	N	NONFIBROUS MATERIAL	90 %
	LOCATION: CAFETERIA			
302404	FIELD ID: 23A	YL	NO ASBESTOS DETECTED	
372404	MATERIAL: 12" X 12" WHITE FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
			=000 = 18 = 2	
392405	FIELD ID: 23B	YL	NO ASBESTOS DETECTED	
372403	MATERIAL: 12" X 12" WHITE FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
302406	FIELD ID: 23C	BK	NO ASBESTOS DETECTED	
392400	MATERIAL: 12" X 12" WHITE FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: CAFETERIA			
200405	EIELD ID. 24A	WH/GY	NO ASBESTOS DETECTED	
392407	FIELD ID: 24A MATERIAL: 2' X 2' FLAT CEILING TILE	Y	FIBROUS GLASS	85 %
	LOCATION: CAFETERIA	•	NONFIBROUS MATERIAL	15 %
	DOJON ORBIDAN		· · · · · · · · · · · · · · · · · · ·	
	*			

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LAB ID	SAMPLE DESCRIPTION		COLOR LAYERED	ANALYTICAL RESULTS	
392408	FIELD ID: 24B		WH/GY	NO ASBESTOS DETECTED	
392400	MATERIAL: 2' X 2' FLAT CEILING	TILE	Y	FIBROUS GLASS	85 %
	LOCATION: CAFETERIA			NONFIBROUS MATERIAL	15 %
392409	FIELD ID: 24C		WH/GY	NO ASBESTOS DETECTED	
372407	MATERIAL: 2' X 2' FLAT CEILING	TILE	Y	FIBROUS GLASS	85 %
	LOCATION: ROOM 161			NONFIBROUS MATERIAL	15 %
202410	FIELD ID: 25A		TN/WH	NO ASBESTOS DETECTED	
392410	MATERIAL: 2' X 4' TECTUM ACO	JISTICAL WALL DANEL	Y	CELLULOSE	80 %
	LOCATION: CAFETERIA	USTICAL WALL TANKE	•	NONFIBROUS MATERIAL	20 %
400-				990 980	
392411	FIELD ID: 25B		TN/WH	NO ASBESTOS DETECTED	
	MATERIAL: 2' X 4' TECTUM ACO	USTICAL WALL PANEL	Υ	CELLULOSE	80 %
	LOCATION: CAFETERIA			NONFIBROUS MATERIAL	20 %
				2	
392412	FIELD ID: 25C		TN/WH	NO ASBESTOS DETECTED	90.0/
	MATERIAL: 2' X 4' TECTUM ACO	USTICAL WALL PANEL	Y	CELLULOSE	80 % 20 %
	LOCATION: S. PLAY ROOM			NONFIBROUS MATERIAL	20 76
202412	FIELD ID: 26A		RD	NO ASBESTOS DETECTED	
392413	FIELD ID: 26A MATERIAL: STAGE CURTAIN		N	CELLULOSE	98 %
	LOCATION: CAFETERIA			NONFIBROUS MATERIAL	02 %
392414	FIELD ID: 26B		RD	NO ASBESTOS DETECTED	
	MATERIAL: STAGE CURTAIN		N	CELLULOSE	98 %
	LOCATION: CAFETERIA			NONFIBROUS MATERIAL	02 %

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS		
	DIDLD ID. 27A	WH	NO ASBESTOS DETECTED		
392415	FIELD ID: 27A MATERIAL: WHITE SINK BASIN COATING	N	SYNTHETIC		12 %
	LOCATION: TEACHER'S ROOM	••	NONFIBROUS MATERIAL		88 %
	LOCATION. TEACHERS ROOM				
202416	FIELD ID: 27B	WH	NO ASBESTOS DETECTED		
392416	FIELD ID: 27B MATERIAL: WHITE SINK BASIN COATING	N	SYNTHETIC		12 %
	LOCATION: TEACHER'S ROOM		NONFIBROUS MATERIAL		88 %
	LOCATION. TEACHERS ROOM				
202417	FIELD ID: 28A	TN	ASBESTOS - CHRYSOTILE		02 %
392417	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND	N	NONFIBROUS MATERIAL		98 %
	LOCATION: HALL, @ CONFERENCE ROOM	••			
	BOCKTION. III LED, & COLLEGE TO COLL				
		N//	SAMPLE NOT ANALYZED		
392418	FIELD ID: 28B	N/A	SAMPLE NOT ANALIZED		
	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND	N/A			
	LOCATION: HALL, @ CONFERENCE ROOM				
392419	FIELD ID: 28C	N/A	SAMPLE NOT ANALYZED		
	MATERIAL: INTERIOR WINDOW GLAZING COMPOUND	N/A			
	LOCATION: HALL, @ CONFERENCE ROOM				
So gr		0.1	ASBESTOS - CHRYSOTILE		10%
392420		GN			90 %
	MATERIAL: 9" X 9" GREEN FLOOR TILE	N	NONFIBROUS MATERIAL		70 70
	LOCATION: ROOM 117				
			a to the	100	
392421	FIELD ID: 29B	N/A	SAMPLE NOT ANALYZED		
	MATERIAL: 9" X 9" GREEN FLOOR TILE	N/A			
	LOCATION: HALL, @ ROOM 117				
	PIDLD ID. 204	вк	NO ASBESTOS DETECTED		
392422	FIELD ID: 30A MATERIAL: 9" X 9" GREEN FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL		100%
	LOCATION: ROOM 117	**			
	LOCATION, ROOM IT?				
		DV	NO ASBESTOS DETECTED		
392423	FIELD ID: 30B	BK	NONFIBROUS MATERIAL		100%
	MATERIAL: 9" X 9" GREEN FLOOR TILE MASTIC	N	NONLIDYOO9 MWI EVINT		10070
	LOCATION: HALL, @ ROOM 117				

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
		GY/BR	NO ASBESTOS DETECTED	
392424	FIELD ID: 31A MATERIAL: GYPSUM WALLBOARD	Y	CELLULOSE	15%
	LOCATION: ROOM 117	•	NONFIBROUS MATERIAL	85 %
	LOCATION: ROOM 117			
392425	FIELD ID: 31B	GY/BR	NO ASBESTOS DETECTED	
372423	MATERIAL: GYPSUM WALLBOARD	Y	CELLULOSE	20 %
	LOCATION: HALL, @ ROOM 8		NONFIBROUS MATERIAL	80 %
302426	FIELD ID: 31C	GY/BR	NO ASBESTOS DETECTED	
392420	MATERIAL: GYPSUM WALLBOARD	Y	CELLULOSE	12 %
	LOCATION: HALL, @ ROOM 117		NONFIBROUS MATERIAL	88 %
392427	FIELD ID: 32A	TN	ASBESTOS - CHRYSOTILE	02 %
392427	MATERIAL: JOINT COMPOUND ASSOC. W/GYPSUM	N	NONFIBROUS MATERIAL	98 %
5	WALLBOARD			
	LOCATION: ROOM 117		5)	
392428	FIELD ID: 32B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: JOINT COMPOUND ASSOC. W/GYPSUM WALLBOARD	N/A		
	LOCATION: HALL, @ ROOM 8			
392429	FIELD ID: 32C	N/A	SAMPLE NOT ANALYZED	
372427	MATERIAL: JOINT COMPOUND ASSOC. W/GYPSUM WALLBOARD	N/A		
	LOCATION: HALL, @ ROOM 117			
392430	FIELD ID: 33A	GY	NO ASBESTOS DETECTED	
572.00	MATERIAL: 12" X 12" GRAY FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
392431	FIELD ID: 33B	GY	NO ASBESTOS DETECTED	
2,2.51	MATERIAL: 12" X 12" GRAY FLOOR TILE	N	NONFIBROUS MATERIAL	100 %
	LOCATION; OFFICE		74.7	

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LABID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
		0V	NO ASBESTOS DETECTED	
392432	FIELD ID: 33C	GY N	NO ASBESTOS DETECTED NONFIBROUS MATERIAL	100 %
	MATERIAL: FLOOR TILE, 12 X 12 LOCATION: OFFICE	IN THE	MOM IDROOS MATIBIONES	100 / 0
	ECONION. GIVIOD			
392433	FIELD ID: 34A	BK	NO ASBESTOS DETECTED	
372733	MATERIAL: 12" X 12" GRAY FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION: OFFICE			
		DV.	NO ACRECTOS DETECTED	
392434	FIELD ID: 34B	BK N	NO ASBESTOS DETECTED NONFIBROUS MATERIAL	100 %
	MATERIAL: 12" X 12" GRAY FLOOR TILE MASTIC LOCATION: OFFICE	N	MONTIBROOS MIXI ERIAL	100 /0
	ECCATION. GITTOD			
392435	FIELD ID: 35A	BR/BL	NO ASBESTOS DETECTED	
372433	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS	N	CELLULOSE	90 %
	LOCATION: ROOM 16		NONFIBROUS MATERIAL	10%
		50		
392436	FIELD ID: 35B	BR/BL	NO ASBESTOS DETECTED	
3,2130	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS	N	CELLULOSE	90 %
	LOCATION: ROOM 16		NONFIBROUS MATERIAL	10 %
392437	FIELD ID: 35C	BR/BL	NO ASBESTOS DETECTED	
	MATERIAL: PERFORATED ACOUSTICAL WALL PANELS	N	CELLULOSE	90 %
	LOCATION: ROOM 16		NONFIBROUS MATERIAL	10 %
392438	FIELD ID: 36A	WH	ASBESTOS - CHRYSOTILE	14 %
	MATERIAL: 1/4" COVERING ON BATHROOM DUCT	N	FIBROUS GLASS	26 %
	LOCATION: ROOM 16		NONFIBROUS MATERIAL	60 %
392439	FIELD ID: 36B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 1/4" COVERING ON BATHROOM DUCT	N/A	e of the	
	LOCATION: ROOM 16			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	<u> </u>
202440	FIFE D. D. 14C	N/A	SAMPLE NOT ANALYZED	
392440	FIELD ID: 36C MATERIAL: 1/4" COVERING ON BATHROOM DUCT	N/A	SAMI LE NOT ANALTZEE	
	LOCATION: ROOM 16	17/1		
	Boomies, Room to			
392441	FIELD ID: 37A	TN	ASBESTOS - CHRYSOTILE	12 %
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE	N	NONFIBROUS MATERIAL	88 %
	LOCATION: ROOM 161			
392442	FIELD ID: 37B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE	N/A		
	LOCATION: ROOM 161			
392443	FIELD ID: 37C	N/A	SAMPLE NOT ANALYZED	
372443	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE	N/A	V	
	LOCATION: ROOM 161	1411		
4		950 81 94	alo a a	
392444	FIELD ID: 38A	BK	ASBESTOS - CHRYSOTILE	12 %
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	88 %
	LOCATION: ROOM 161			
392445	FIELD ID: 38B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE MASTIC	N/A		
	LOCATION: ROOM 161		V =2	
392446	FIELD ID: 38C	N/A	SAMPLE NOT ANALYZED	
372440	MATERIAL: 12" X 12" TAN MARBLE FLOOR TILE MASTIC	N/A		
	LOCATION: ROOM 161		to just y	
			* n •	
392447	FIELD ID: 39A	TN	NO ASBESTOS DETECTED	100.0/
	MATERIAL: CANVAS COVERING ON FIBERGLASS PIPE INSULATION	N	CELLULOSE	100 %
	LOCATION: ROOM 161			
392448	FIELD ID: 39B	TN	NO ASBESTOS DETECTED	
	MATERIAL: CANVAS COVERING ON FIBERGLASS PIPE INSULATION	N	CELLULOSE	100 %
	LOCATION: ROOM 161			

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS
392449	FIELD ID: 39C MATERIAL: CANVAS COVERING ON FIBERGLASS PIPE INSULATION LOCATION: ROOM 17	TN/OR N	NO ASBESTOS DETECTED CELLULOSE 99 % NONFIBROUS MATERIAL 01 %
392450	FIELD ID: 40A MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING LOCATION: ROOM 161	GY N	ASBESTOS - CHRYSOTILE 14 % FIBROUS GLASS 26 % NONFIBROUS MATERIAL 60 %
392451	FIELD ID: 40B MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING LOCATION: ROOM 161	N/A N/A	SAMPLE NOT ANALYZED
392452	FIELD ID: 40C MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING LOCATION: ROOM 17	N/A N/A	SAMPLE NOT ANALYZED
392453	FIELD ID: 40D MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING LOCATION: BOYS' ROOM (E)	N/A S N/A	SAMPLE NOT ANALYZED
392454	FIELD ID: 40E MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVAS COVERED PIPING LOCATION: GIRLS' ROOM (E)	N/A S N/A	SAMPLE NOT ANALYZED
392455	FIELD ID: 40F MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVASCOVERED PIPING LOCATION: ROOM 21	N/A S N/A	SAMPLE NOT ANALYZED
392456	FIELD ID: 40G MATERIAL: CEMENTITIOUS FITTING ASSOC. W/CANVA COVERED PIPING LOCATION: ROOM 18	N/A S N/A	SAMPLE NOT ANALYZED

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392457	FIELD ID: 41A	MU	ASBESTOS - CHRYSOTILE	20 %
3,2.0.	MATERIAL: MOSAIC SHEET FLOORING	Y	CELLULOSE	15 %
	LOCATION: ROOM 17		NONFIBROUS MATERIAL	65 %
392458	FIELD ID: 41B	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: MOSAIC SHEET FLOORING LOCATION: ROOM 17	N/A		
392459	FIELD ID: 41C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: MOSAIC SHEET FLOORING LOCATION: ROOM 17	N/A		
4				
392460	FIELD ID: 42A	YL	NO ASBESTOS DETECTED	
	MATERIAL: MOSAIC SHEET FLOORING ADHESIVE	И	NONFIBROUS MATERIAL	100 %
	LOCATION: ROOM 17		然 部 一级	
392461	FIELD ID: 42B	YL	NO ASBESTOS DETECTED	
	MATERIAL: MOSAIC SHEET FLOORING ADHESIVE LOCATION: ROOM 17	N	NONFIBROUS MATERIAL	100 %
392462	FIELD ID: 42C	YL	NO ASBESTOS DETECTED	
100	MATERIAL: MOSAIC SHEET FLOORING ADHESIVE LOCATION: ROOM 17	N	NONFIBROUS MATERIAL	100 %
25	X			
392463	FIELD ID: 43A	GY	NO ASBESTOS DETECTED	
	MATERIAL: COMPRESSED WALLBOARD PANELS	N	CELLULOSE	98 %
	LOCATION: ROOM 17		NONFIBROUS MATERIAL	02 %
392464	FIELD ID: 43B	GY/WH/BL	NO ASBESTOS DETECTED	
	MATERIAL: COMPRESSED WALLBOARD PANELS	Y	CELLULOSE	90 %
	LOCATION: ROOM 17		NONFIBROUS MATERIAL	10 %
			425	

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LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
392465	FIELD ID: 43C	GY/WH/BL	NO ASBESTOS DETECTED	
372403	MATERIAL: COMPRESSED WALLBOARD PANELS	Y	CELLULOSE	90 %
	LOCATION: ROOM 17		NONFIBROUS MATERIAL	10 %
392466	FIELD ID: 44A	GY/WH	NO ASBESTOS DETECTED	
••••	MATERIAL: 2' X 2' FISSURED CEILING TILE	N	FIBROUS GLASS	35 %
	LOCATION: EAST WING, BOYS' ROOM		CELLULOSE	50 %
	2.		NONFIBROUS MATERIAL	15 %
392467	FIELD ID: 44B	GY/WH	NO ASBESTOS DETECTED	
372-107	MATERIAL: 2' X 2' FISSURED CEILING TILE	N	FIBROUS GLASS	35 %
	LOCATION: EAST WING, GIRLS' ROOM		CELLULOSE	50 %
		, 15 Z	NONFIBROUS MATERIAL	15%
			NO ASPROAGE PREFECTED	
392468	FIELD ID: 44C	GY/WH	NO ASBESTOS DETECTED	260/
	MATERIAL: 2' X 2' FISSURED CEILING TILE	N	FIBROUS GLASS	35 % 50 %
	LOCATION: EAST WING, MEN'S ROOM		CELLULOSE	15 %
			NONFIBROUS MATERIAL	13 76
76	e _c		er egginnen	
392469	FIELD ID: 45A	BK	ASBESTOS - CHRYSOTILE	05 %
	MATERIAL: BLACK SINK BASIN COATING	N	NONFIBROUS MATERIAL	95 %
10	LOCATION: ROOM 26	**		
392470	FIELD ID: 45B	N/A	SAMPLE NOT ANALYZED	
27-111	MATERIAL: BLACK SINK BASIN COATING	N/A		
	LOCATION: ROOM 25			
392471	FIELD ID: 45C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: BLACK SINK BASIN COATING	N/A		
	LOCATION: ROOM 24		with 17.7	
302472	FIELD ID: 46A	TN	ASBESTOS - CHRYSOTILE	03 %
372412	MATERIAL: INTERIOR HALLWAY WINDOW GLAZING	N	NONFIBROUS MATERIAL	97 %
	COMPOUND AT DOORWAYS			
	LOCATION: HALL, @ ROOM 24			

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LAB ID	SAMPLE DE	SCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
		· ·	N 21 P 36	SAMPLE NOT ANALYZED	
392473		46B	N/A	SAMPLE NOT ANALTZED	
	MATERIAL: COMPOUND	INTERIOR HALLWAY WINDOW GLAZING AT DOORWAYS	N/A		
	LOCATION:	HALL, @ ROOM 24			
392474	FIELD ID:	46C	N/A	SAMPLE NOT ANALYZED	
0,2,,,		INTERIOR HALLWAY WINDOW GLAZING AT DOORWAYS	N/A		
	LOCATION:	HALL, @ ROOM 21			
202475	FIELD ID:	47A	GY/BL	ASBESTOS - CHRYSOTILE	38 %
392413		CEMENTITIOUS TRANSOM WINDOW	N	NONFIBROUS MATERIAL	62 %
	LOCATION:	CAFETERIA		r **	
		6	N/A	SAMPLE NOT ANALYZED	
392476	FIELD ID:	47B		SAIVIFEE NOT ANALTEES	
	MATERIAL: REPLACEM	CEMENTITIOUS TRANSOM WINDOW ENT	N/A		
	LOCATION:	N. PLAY ROOM			
				6 - 1 4D1 D 3 1 0 T 4 3 1 4 1 3 7 P D	
392477	FIELD ID:	47C	N/A	SAMPLE NOT ANALYZED	
	MATERIAL: REPLACEM	CEMENTITIOUS TRANSOM WINDOW ENT	N/A		
	LOCATION:	S. PLAY ROOM			
		-A			
392478	FIELD ID:	34C	BK	NO ASBESTOS DETECTED	0.0000
		12 X 12 FLOOR TILE MASTIC	N	NONFIBROUS MATERIAL	100 %
	LOCATION:	OFFICE			

REPORT ID: 10753

NOTES: N/A=NOT APPLICABLE

COLOR CODES: BG BEIGE BR BROWN GY GRAY OR ORANGE RD RED WH WHITE

BK BLACK CL CLEAR MU MULTI PI PINK SI SILVER YL YELLOW
BL BLUE GN GREEN N/A NONE PR PURPLE TN TAN MA MAROON

LABORATORY CERTIFICATIONS: MA #AA000006 RI #AAL-025C3 VT #AL332367 ME #LB-061

CT #PH-0248

ACCREDITATION: NVLAP #101781-0

DATE OF ISSUE: 09/05/13 APPROVED SIGNATORY: KEVIN T. MCKENZIE, LABORATORY MANAGER

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES" (EPA-600/M4-82-020) AND "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA-600/R93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R93/116, "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS," MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE EPA REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. FRIABLE SAMPLES WILL BE POINT-COUNTED UPON REQUEST BY THE CLIENT. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

LAYERED SAMPLES ARE ANALYZED IN THE FOLLOWING MANNER: ALL LAYERS ARE ANALYZED SEPARATELY, AND QUANTITIES ARE REPORTED AS A PERCENTAGE OF THE ENTIRE COMPOSITE SAMPLE.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE-MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN ITS ENTIRETY, WITHOUT PERMISSION OF THE COVINO ENVIRONMENTAL ASSOCIATES, INC. LABORATORY DIRECTOR OR ONE OF THE LABORATORY SIGNATORIES. THIS REPORT MAY NOT BE USED BY THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

REPORT ID: 10753

PROJECT: 13.00298 - 392330 SAMPLE LAB IDs: 392330 TO 392478, NO. OF SAMPLES: 149

PAGE 19 OF 19



Phone 781.933.2555 Fax 781.932.9402

30° Wildwood Ave, Woburn, MA

S Non Fibross 6) Turnaround (circle) same day 24-hr standard (5 day) 57 Officer Date(s) Analyzed: 8-26-13 Temp: 22.8c ※Stor @ let Posmuk となってはい Contact: Glenn Potter - 781.706.7317 % Non Asbestos Present THE STATE OF THE S AND VIEW Synthetic 8-23-13 gpotter@covinoinc.com 큪 Celtalose 62 ちュ 5 Date: Email: 35 3 3 3 **∢∪⊢-**≈ %Asbeatos Fiber **∢**Z⊢±0 Wampatuck Elementary, 266 Tilden Road 2 **₹**Oυ 600 Chief Justice Cushing Highway CHKYS ð ₹ \$\ 1710/170 200 Filber Ref. Ind 8 3 Scituate Public Schools Scituate, MA 02066 Optical Properties <u>></u> 0 6 2+ 2 Scituate, MA ٠. Date: 8/23/2013Received by: Analyst's Signature 1 4 <u>-</u> = 3 3 Profect Name and Location: > 2A |-7 耳りぼり MATERIAL: PIPE FIFTUR IDSCLATICU IN 8 F Stereoscopic 3== 3 Client % < ~ △ 0 1 MATERIAL: PIPE FITTIUC JUSCUSTON MATERIAL: FIRE FITTING INSCRIPTION MATERIAL: RPE INSCLATION MAL & S. STORKE RM MATERIAL: FIPE INSOLUTION MATERIAL: PRE INSULATION Kirchen OFFICE DO NOT WRITE IN SHADED AREAS 5)02 3. STURME PM. の下に名 DESCRIPTION Bm 146 102/8 RR ITC Samples Collected by: Ken Roberts 9 AI-000317 # 81/G HALL Accept Reject Comments Covino Project No. 13.00298 Relinquished by: LOCATION: 39253 LOCATION: 392535 LOCATION LOCATION: LOCATION LOCATION Date(s) Collected: 123232 37530 1)55262 License No: 15/2594 Sample 1D J 0 Field ID# 4 Z Z Lab 1D# **2-B** 7 Lį

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Non Fibrous 3 3 standard (5 day) Date(s) Analyzed: 8 - 26-1 7 Temp: 22,9C Other るとなる 一世できる くれているかく るかが Contact: Glenn Potter - 781,706,7317 Email: gpotter@covinoinc.com Turnaround (circle) same day 24-hr % Non Asbestos Present Stop @ Is: Pos Synthetic gpotter@covinoinc.com 8-53-13 Fair 07 150 Cellabore 5 5 Date: %Asbestos Fiber **イズ下耳**の 下民臣以0 Wampatuck Elementary, 266 Tilden Road **4** ¥ 0 ∞ 600 Chief Justice Cushing Highway OEKYO Fiber Ref. Scituate Public Schools Scituate, MA 02066 Optical Properties Scituate, MA Date: 8/23 /2013 Received by: Analyst's Signature Project Name and Location: 7. 24 2.0 入 2比 2日 Stereoscopic Client Email: mail@covinoinc.com *****< ... MATERIAL: PIPE FIRM LASSILITION HALL @ S. STRANGE PA MATERIAL: PIPE FITTUSC INSCRIPTION MATERIAL: FIPE FITTH JANSLAFTON FINE INSOURTHU MATERIAL: 12" XIZ" MUCHECLER FLOOR MATERIAL: 12" X12" MULTICOLOR DO NOT WRITE IN SHADED AREAS FLOR TICK 8 13 OFFICE DESCRIPTION BR 15 RM 7 RR 13 RE-102/3 2 8/20/ Fax 781.932.9402 Samples Collected by: Ken Roberta AI-000317 MATERIAL: PAE Accept Reject Comments Covino Project No. 13.00298 LOCATION: LOCATION: LOCATION: LOCATION LOCATION LOCATION Relinquished by: Phone /81.933.2555 Date(9) Collected: License No: 1392337 952265 1028262 65265 35275 1262 Sample ID 2F 200 Field ID# 22 3A Lab ID#

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Non Pibrous 8 9 \bar{g} Ś 43 Turnaround (circle) same day 24-h(standard (5 day) Temp: 22% Contact: Glenn Potter - 781.706.7317 % Non Asbestos Present がくとう Synthetic gpotter@covinoinc.com Date(8) Analyzed: 8 -26-13 Hair 192 Cellatose Date: Email: %Asbestos Fiber Wampatuck Elementary, 266 Tilden Road 0 2 0 0 -< ¥ 0 % 600 Chief Justice Cushing Highway Ü 187 188 Fiber Ref. Scituate Public Schools Scituate, NIA 02066 Optical Properties 7 Scituate, MA Date: 9/23/2013 Received by: Analyst's Signature_ + MATERIAL: 9'X9" BROWN FLOOK TILE B & NY WILL and Location: Project Name 7 7 7 Hofo <u>}</u> 26-2-△ 7\ 2(L 2D ZU 2.4 Stereoscopic ダイ <u>-</u> 60\/ U 0 _ 0 . HAL BY S. STORAGE RA NATERIAL: 4x9" BROWN FLORE TIE Rm. MATERIAL: 12" KIE HULTICOLOP FURK TICE MASTIC HALL BY DEFICE MATERIAL: 12"X (2" MULTICOLOSE FLOOR THE MIMSTIC FLOX TINK MASTIC HALL BY OFFICE MATERIAL: 12"X12" MULTICOLOR MATERIAL 42 X12" / HULTICOLCA DO NOT WRITE IN SHADED AREAS **Zen3** S TORMER FLOOK TICK DESCRIPTION OFFICE Samples Collected by: Ken Roberts RECEIDING Accept Reject Comments Relinquished by: Covine Project No. 13.00298 Date(s) Collected: 8/19 392344 LOCATIONS 392343 LOCATION: LOCATION: LOCATION: LOCATION: LOCATION 2452.654 |CH6265-License No: 9145262 Sample ID 子 30 S 14 Field ID# 印 Lab ID# 44

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00/ 8 Non Fibrous 001 8 8 Turnaround (circle) same day 24-hr (standard (5 day) Date(s) Analyzed: 8-76-13 Temp: 22,9C Officer Contact: Glenn Potter - 781.706.7317 % Non Asbestos Presen NOT ANAMA Synthetic 51-52-3 gpotter@covinoinc.com Fair Rev. 3/28/08 Celtulose Date Email: Fibrous Glass %Asbestos Fiber **∢**Z ⊢ ± 0 T R B Z O Wampatuck Elementary, 266 Tilden Road ∢Σ0∞ 600 Chief Justice Cushing Highway の比比する Fiber Ref. Scituate Public Schools Scituate, MA 02066 Optical Properties Scituate, MA Date: 8/21/2013 Received by: Analyst's Signature Project Name and Location: <u>></u> ZŒ Z₽ 51 BFY > L 2-4 ->5 Stereoscopic 20 20 7*A* Cleat % **₹** % ⊅ <u>∞</u>∠ MΥ **4** × 00-01 MATERIAL: PLASTSK CEILISK- BASE COUT RECEIVING STORAGE RM. MATERIAL: 9'X9" BROOM FLOOR TILE MATERIAL: 9'49" BROWN FLOR TILE MATERIAL: 9'X9" EROUGH FLOOK TILE MATERIAL: 9"49" BROWN FLOOR TICK RECEIVING STORBEE RM MATERIAL: PLASTER CEILURS - BASK 3. Stander RM TENCHER'S Rm. DO NOT WRITE IN SHADED AREAS S. STURMGE RM TEACHER'S RM MASTIC HC. MUSTIC DESCRIPTION Date(s) Collected: 8/19 2 5/20/ Samples Collected by: Ken Roberts A1-000317 Accept Reject Comments Covino Project No. 13.00298 LOCATION: LOCATION **LOCATION:** LOCATION: **LOCATION:** LOCATIONS Relinquished by: License No: 348262 18255 1058262 1155262 258268 Sample 1D 9 A S 石田 Field ID# Lab ID# 18

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COM T MATERIAL: PLASTER COLLING - BASK MATERIAL: PLASTER CELLING- SKIM COAT TSASE COMT ななのではなっている。 MATERIAL: TLASTER CEILING- BASE Coat COMT STERMGE BM. DO NOT WRITE IN SHADED AREAS MATERIAL: PLYSTER (KILLIK --MATERIAL: FLASTEE (GOLISS-2013 DESCRIPTION Rm 15 Rm 169 Rm 13 BW 146 Rm 6 Date(s) Collected: 7/19 \$ 8/20 Samples Collected by: Ken Roberts AI-000317 Covine Project No. 13,00298 LOCATION: **LOCATION:** LOCATION: LOCATION: LOCATION LOCATION: Relinquished by: _ SS22652 1352262 License No: 13323 h552651 35262 Sample ID 76 232.89 J Field ID# 20 Lab ID# L 7E SA A

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Custody
of
Chain
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Fax 781.932.9402

300 Wildwood Ave, Woburn, MA

Phone 781.933.2555

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8 B Nos Fibrous 8 8 8 Turnaround (circle) same day 24-hr grandard (5 day) Date(s) Analyzed: 8-26-13 Temp: 22.9c ge Contact: Glenn Potter - 781.706.7317 % Non Asbestos Present 何人 Synthetic 57-53-13 gpotter@covinoinc.com Hair 200 Cellulone SP Date: Email: %Asbestos Fiber **KZHEO** 下队员区口 Wampatuck Elementary, 266 Tilden Road **∢∑**0∞ 600 Chief Justice Cushing Highway O # # > v 12/83/1981 Fiber Ref. Ind. Scituate Public Schools Scituate, MA 02066 O - 4.0 F Optical Properties 2 Scituate, MA Date: 8/26/2018 Received by: Analyst's Signature + Project Name and Location: 20 20 20 -Z X 24 Z 20 ; 9> 24 0 E 0 H Stereoscopic Client 00-01 MATERIAL: 12" XIZ" THU FLOSE TILE MATERIAL: 12 XIZ TAL FLOOR TILE MATERIAL: COOLER CERK COULUC MATERIAL: GOLCE CORK CEIUDE COOKE WAL PASSEL COCKEIL WASE PAPIET MATERIAL: 3'X4' CEMSISTICUS DO NOT WRITE IN SHADED AREAS MATERIAL: 3'X4' CEMELYTIODS TUSCULATION IDSOLATION. 8/20/2013 KITCHEN KITCHELL KITCHED KITCHEL KITCHELL DESCRIPTION KITCHEL Samples Collected by: Ken Roberts \$ 61/8 AI-000317 Accept Reject Comments Covino Project No. 13.00298 LOCATION: LOCATION: LOCATIONS LOCATION: **LOCATION:** LOCATION: Date(s) Collected: Relinquished by: License No: 7157631 (25/2573) 1505265) 19622651 57237 453FE 0 A CO Sample 1D 12 A I B Field ID# <u>=</u> Lab 10# 7

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Fax 781.932.9402

309 Wildwood Ave, Woburn, MA Phone 781,933.2555 Fax 781.9

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Turnaround (circle) same day 24-hr spandard (5 day) 22.86 なることがな % Non Asbestos Present Contact: Glenn Potter - 781.706.7317 ではくなる Date(s) Analyzed: 8-26-17 Temp: Synthetic gpotter@covinoinc.com Date: 8-23-13 皇 Cellulose lon 52 8-3 8 = 1 Email: %Asbestos Fiber 42F20 Wampatuck Elementary, 266 Tilden Road 0×00-∢∑0ø 600 Chief Justice Cushing Highway Scituate, MA 02066 146 1453 32 ひまれどの Fiber Ref. Scituate Public Schools Optical Properties 7 + 1 3 Scituate, MA Date: 8/25/2013 Received by: Analyst's Signature Project Name and Location: 24 MATERIAL: AIR CEL PIE INSULATION BAILS FY 2 LL 0 E 0 W Stereoscopic Ċ mery3∓ Client: * < **™** V 0 -- 0 -MATERIAL: AIR CECL PIPE JUSULATION MATERIAL: AIL CELL PIFE TUSULATION MATERIAL 12" XIZ" TAN FLOOR TILE MATERIAL: EXXZ TRID FLOOR TICE SARCE. DO NOT WRITE IN SHADED AREAS KITCHED OFFICE MATERIAL: 1'X 1' PERROGATED MASTIC Rm 146 を とり とこれ KITCHEN MASTIC DESCRIPTION KITCHES 8/19 \$ 8/20/2013 **元以一年6** Samples Collected by: Ken Roberts A1-000317 Accept Reject Comments Covino Project No. 13.00298 LOCATION: LOCATION: LOCATION LOCATION: LOCATION: LOCATION: Relinquished by: Date(s) Collected: 6653142 37236) 18125781 License No: 13:2380 23521:2 1927 Sample ID 耳图 IS A N 33 15 C Field ID# タナ # 10 مما

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Fax 781.932.9402

300 Wildwood Ave, Woburn, MA Phone 781.933.2555 Fax 781.9

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standard (5 day) Date(s) Analyzed: 8-26-15 Temp: 22-50 TALC <u>0</u> Officer <u>ව</u> TALC N. C. <u>0</u> Turnaround (circle) same day 24-hr Contact: Glenn Potter -- 781.706.7317 % Non Asbestos Present Synthetic gpotter@covinoinc.com Haff Cellulose S = 3 8 = 3 Date: Email: **∢∪⊢**_Z **%Asbestos Fiber ±0** T R E Z O Wampatuck Elementary, 266 Tilden Road 0 × 0 0 -<≥0 % 600 Chief Justice Cushing Highway C H R Y S Fiber Ref. Scituate Public Schools Scituate, MA 02066 Optical Properties Scituate, MA Date: \$\25/2013 Received by: Project Name and Location: 74 20 20 20 20 4W 入 14 MATERIAL: IXI PERFERENTED LONG CELLUS B. N. P. TILE Stereoscopic z 4 MATERIAL: 1X1' TERFORMED UNIL/COURK B 1 Client 1'XI' WALL/CEILOX TILE R D ×< ... <u>₩</u> ₩ 37 MATERIAL: GLUE DAUB ASSOC. W MATERIAL: GLUE DAPUB 14550C. (2) LOCATION: BURNE ABILING TILE MATERIAL: GLE DAUR ASSOC. W/ I'KI " WALL GEILLE TILE LOCATION: CONFERENCE RM DO NOT WRITE IN SHADED AREAS CODESCENCE RM. MATERIAL: 4" WALLBASC CENTERFILEE RM. Rm 12 Date(3) Collected: 6/19 # 8/20/2013 Samples Collected by: Ken Roberts AI-000317 Covino Project No. 13.00298 LOCATIONS 372369 LOCATION: LOCATION: Reilnquished by: 133268 3326 1335651 License No: 1 435 2641 135212 Sample ID 178 Field ID# <u>8</u> [6B 126 ID#

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Analyst's Signature

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300 Wildwood Ave, Woburn, MA

 δ Non Fibrous 00 8 <u>ඩ</u> 0 300 Turnaround (circle) same day 24-hr (standard (5 day) Date(s) Analyzed: 2-22-13 Temp: 725c Other Contact: Glenn Potter - 781.706.7317 % Non Asbestos Presen Synthetic gpotter@covinoinc.com 8-23-13 Hair Cellulose Date: Email: **%Asbestos Fiber VZHEO** - K II ¥ O Wampatuck Elementary, 266 Tilden Road < ∑ 0 % 600 Chief Justice Cushing Highway ひまれでる 546 1953 KG Fiber Ref. = Scituate Public Schools 4 Scituate, MA 02066 Optical Properties 7 + Scituate, MA Date: \$\25/303 Received by: Analyst's Signature_ 66 G 🖾 3 ED K I E Project Name and Location: 24 24 24 62) 7 7 7 2U 20 24 24 4 2H 2A 2A 0 E 0 a Stereoscopic Client: 20 OD A 0 0 - 0 -MATERIAL: 4" ALMUBASE HOMESIVE MATERIAL: 4" KMLBMSE ADINESIVE MATERIAL: 4" WALLE JEC HOMESIVE MATERIAL: 9"x9" TAU FLOOR TICE DO NOT WRITE IN SHADED AREAS 4" WALLBASK RM 12 MATERIAL: 4" WALLBUKSE ひをころ **次支 1**分 DESCRIPTION RMS RM 15 天文の Date(s) Collected: 6/19 3 8/20) Samples Collected by: Ken Roberts AI-000317 Accept Reject Comments Covino Project No. 13.00298 MATERIAL: 1292392 TOCATION: 1302391 LOCATION LOCATIONS **LOCATION:** LOCATION LOCATION: Relinquished by: License No: __ 1392390 1392393 14622621 1371375 <u>一</u> 因 Sample ID <u>8</u> 19 B 19 C 20 14 4 Field ID# lab ID#

Rev. 3/28,08

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Email: mail@covinoinc.com Fax 781.932.9402 300 Wildwood Ave, Woburn, MA Phone 781.933.2555

000 Non Fibrous 8 3 ଚୁ standard (5 day) Other Contact: Glenn Potter - 781.706.7317
Emsil: gpotter@covinoinc.com % Non Asbestos Present からなべから Turnaround (circle) same day 24-hk となべての Synthetic gpotter@covinoinc.com 8-23-13 Hair しっ Celtriose D D Date: Fibrous Glass %Asbestos Fiber **<**Z ⊢ ≡ 0 Wampatuck Elementary, 266 Tilden Road ∢∑O∞ 600 Chief Justice Cushing Highway Scituate, MA 02066 ひまたすら Fiber Ref. Ind. = Scituate Public Schools 4 0-40-Optical Properties Scituate, MA Date: 8/25/2013 Received by: SO LE BOR EN Project Name and Location: 2/L 2/L 24 24 之 Stereoscopic Cllent: Q., > % MATERIAL: 12"X12" WHITE FLOOR WIN 00-0-MATERIAL: 9'x9" TAD FLUX TILE MATERIAL: 9"x9" TAU FLOOR TILE MATERIAL: 9x9" THU FLOOR TILE MASTIC MATERIAL: 9"49" TRU FLOOK TILE MATERIAL: 9"x9" TAU FLOW TILE DO NOT WRITE IN SHADED AREAS がたこれでは Bm 12 がASTO MASTIC され 及所の DESCRIPTION Rm 10 RM G Date(s) Collected: 8/9 \$ 8/20 / 2013 Samples Collected by: Ken Roberts A1-000317 Covino Project No. 13.00298 33296 LOCATION: 392397 LOCATION: Laga Hocation LOCATION: 37337 LOCATION: LOCATION: Relinquished by: License No: __ 36265 Jah?(S) Sample 1D 200 S ?? 1 B ジオ Field ID# Lab ID#

Rev. 3/28/08

Date(s) Analyzed: 8-26-13 Temp: 22-5

Analyst's Signature

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of
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Phone 781.933.2555 Fax 781.932.9402

Email: mail@covinoinc.com

		Covino Pro	Covino Project No. 13,00298	Client:	Scituate Public Schools	hoofs				E	Turnaround (circle) same day 24-hr standard (5 day)	(clrcle)	same day	24-hr	Standard (The second
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Accept Reject Comments Analyst's Signature 1 2.5.5.						>					Rev. 3/28/08	8/08				

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Asbestos Bulk Chain of Custody

Email: mail@covinoinc.com 300 Wildwood Ave, Woburn, MA Phone 781.933.2555 Fax 781.932.9402

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Date(s) Analyzed: D-77-13 Temp: 23.4c Rev. 3/28/08

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Samples Col	Samples Collected by: Ken Roberts		600 Chief Justice Co Scituate, MA 02066	600 Chief Justice Cushing Highway Scituate, MA 02066	Highway		<u> </u>	Contact:	Glenn Potter → 781.706.7317	- 781.706.	7317	
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Analyst's Signature

Accept Reject Comments

Asbestos Bulk Chain of Custody

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Email mail@covinoinc.com Fax 781.932.9402 300 Wildwood Ave, Wohim, MA Phone 781.933.2555

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Date(s) Analyzed: 8-27-(3 Temp: 23.5C

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Email: mail@covinoinc.com 300 Wildwood Ave, Woburn, MA Phone 781.933.2555 Fax 781.932.9402

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300 Wildwood Ave, Woburn, MA Phone 781.933.2555 Fax 781.9

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Non Fibrous B B standard (5 day) Date(s) Analyzed: 2-37-15 Temp: 23. 5c Officer AND VICTORIA からなる PIST ANALYSIA Turnaround (circle) same day 24-h Contact: Glenn Potter - 781.706.7317 % Non Asbestos Present なべてる Synthetic 8-23-13 gpotter@covinoinc.com Heir 5 ちって Cellulone ZC-Date: Email: %Aspertos Fiber < Z + Z O Wampatuck Elementary, 266 Tilden Road **₹∑0**∞ 600 Chief Justice Cushing Highway いまれてら 55/55/10 2 133/4 Fiber Ref. Ind. Scituate Public Schools Scituate, MA 02066 Optical Properties 2 12 12 X X Z Z Z X Scituate, MA Analyst's Signature Date: 8/25/2013 Received by: 4 Project Name and Location: Stereoscopic 1-x 2/1-Clent MATERIAL: 1/4" GOERIDE ON CATHEROTA

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Email: mail@covinoinc.com 300 Wildwood Ave, Woburn, MA Phone 781.933.2555 Fax 781.932.9402

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300 Wildwood Ave, Woburn, MA

Phone 781.933.2555

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Date(s) Analyzed: 8-27-(3 Temp: 23-5c

Analyst's Signature

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Non <u>0</u> Turnaround (circle) same day 24-h(standard (5 day) $\overline{\lambda}$ 9 N $\overline{\mathcal{N}}$ Date(s) Analyzed: & .. 27-43 Temp: 23, Sc. Contact: Glenn Potter - 781.706.7317 % Non Asbestos Present B-23-F Synthetic gpotter@covinoinc.com Zeit B = 3 8= 3 7 50,= 2= = 8= 3 B = 3 Date: Email: 35 8 35 **イントース %Asbestos Fiber** 42FE0 TEE NO Wampatuck Elementary, 266 Tilden Road これのひ‐ ∢ΣOα 600 Chief Justice Cushing Highway N K M H S Fiber Ref. Ind. Scituate Public Schools -1 Scituate, MA 02066 Optical Properties Scituate, MA Date: 8/25/24/3 Received by: Analyst's Signature 80 A E 0.4 Project Name and Location: MATERIAL: 2'X2' FSSURES CEILIUS CAN FY \$\langle 3\frac{2}{\tau}\$ 3/3_x Z 1 o 9 0 Stereoscopic <u>u</u> Client: & **<** ∞ ∞ <u>z</u>4 ۰. 3=/94 ঠ 0 . MATERIAL: Z'XZ' FISSCRED CELLEX MATERIAL: GEOMPRESSED LYMLEGARD MATERIAL: COMPARSSED WALLEDMAD PANELS MATERIAL 2 XZ F1 SSURED CEILLING MEN'S RW MATERIAL: COMPALSSED NALLBOYRD EAST WHE BONS RIN DO NOT WRITE IN SHADED AREAS Rm 17 PAVELS DESCRIPTION PARELS RE 17 ドア かから Date(8) Collected: 8/19 + 8/20/ Samples Collected by: Ken Roberts AL-000317 EAST Accept Reject Comments Covino Project No. 13.00298 LOCATION: LOCATION: LOCATION: LOCATION: LOCATIONS Relinquished by: 1638265 License No: **カタカスとだ**り 997265 391265 59112621 440 1392463 43C Sample ID 4BB 43 A Field ID# 生の 12 Lab ID#

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Email: mail@covinoinc.com

Fax 781.932.9402

300 Wildwood Ave, Woburn, MA

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Turnaround (circle) same day 24-hr-atandard (5 day) (でなくならな) (12/1/2V) LON ANA EYZED ANA/OED Other Contact: Glenn Potter - 781.706.7317

Email: gpotter@covinoinc.com % Non Asbestos Presen Synthetic gpotter@covinoinc.com 8-23-13 b 2 Hair PON 6Z Celiulose Date: %Asbestos Fiber Wampatuck Elementary, 266 Tilden Road ೧೩೦೧-**∀**∑0∞ 600 Chief Justice Cushing Highway Scituate, MA 02066 1687 RSS Fiber Ref. **%** Scituate Public Schools Optical Properties 2 7 Scituate, MA Date: 8/25/2013 Received by: 4 4 3 3 Project Name and Location: To Ho Stereoscopic 2 5 0 2 2 2 Clent: M U --0 -WIDDOW SCHZIUC GOMPOOLD ATION, AT DOORWAYS WILDOW SCH ZINC COMPOUND OCATION: AT DOCK ATS MATERIAL: ILSTERIOR HALLED HY ANTHY LOCATION: AT S. COW POUND MATERIAL: BLACK SINK BASIL) MATERIAL: BLACK SLUK BASIN 的なご MATERIAL: ILTERIOR HALLED AY MATERIAL: TLOTERICAL HALLWAY HARE @ RM 24 DO NOT WRITE IN SHADED AREAS Have @ Ru 24 Ru 2 MATERIAL: BLACK SINK 7 のなしろ CONTINC RM 24 RM 25 DESCRIPTION Date(s) Collected: 8/19 # 8/20/2013 Rm 26 Samples Collected by: Ken Roberts AI-000317 Covino Project No. 13.00298 THE TOCATIONS 1292469 LOCATION: 2017470 LOCATIONS BY LOCATION: LOCATION: Relinquished by: License No: Drager 1 囟 45C Sample ID ふな ক ৰ Field ID# Lab ID#

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Date(s) Analyzed: 8-27-13 Temp: 23.5c

Analyst's Signature

Accept Reject Comments

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Email: mail@covinoinc.com

Fax 781.932.9402

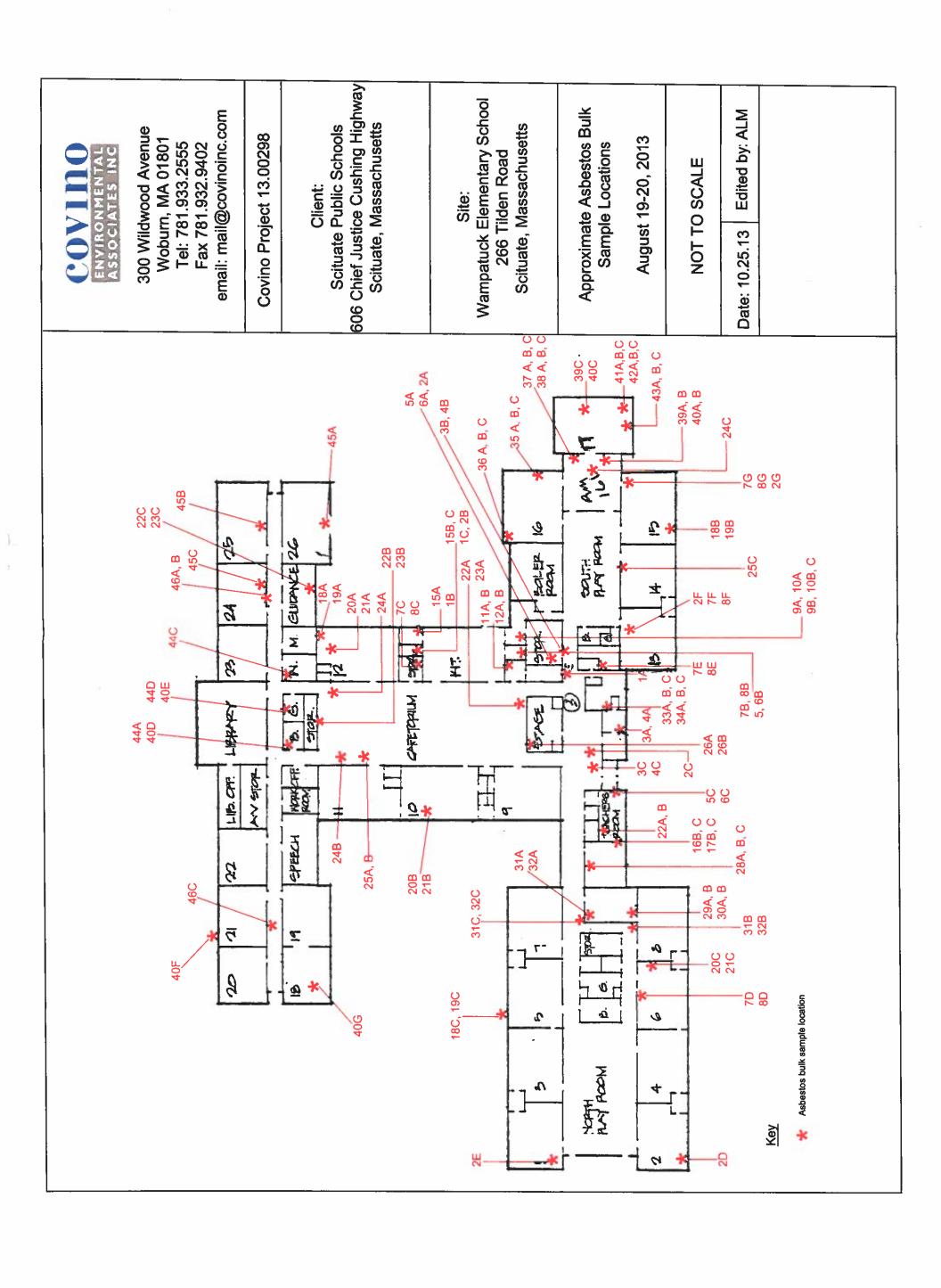
300 Wildswood Ave, Woburn, MA

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Non Fibrous 27 8 Turnaround (circle) same day 24-hr (standard (5 day) Date(s) Analyzed: 2-27-3 Temp: 23.5c Other Store Ist Positive Contact: Glenn Potter - 781.706.7317 Email: gpotter@covinoinc.com % Non Asbestos Presen HISA KAN NOT | 100 / 100 Synthetic gpotter@covinoinc.com 器 NOT Cellalose Date: %Asbestos Fiber Wampatuck Elementary, 266 Tilden Road <≥0 % 600 Chief Justice Cushing Highway AT/5838 Fiber Ref. Ind. Scituate Public Schools Scituate, MA 02066 Optical Properties Scituate, MA Date: 6/25/2613Received by: Analyst's Signature Ŧ 138 N / MINI Project Name and Location: 7 1 D X Stereoscopic Client o --0 -Text USON window Replacement WINDOW REPLACEMENT MATERIAL: CEMEENTIOUS TRADSCOM MATERIAL: CEMELUTIONS I PRANSON (UIDDOW) AFPLACEWENT 12×12 FLOOR TILE MATERIAL: CEMENTIOUS TRANSOM DO NOT WRITE IN SHADED AREAS N. PLAY ROSTM S. PLHY ROOM MASTIC \$/29/2013 OFFICE CAFETERIA Date(s) Collected: 8/19 4 8/20/2015 DESCRIPTION Samples Collected by: Ken Roberts AI-000317 Accept Reject Comments Covino Project No. 13.00298 MATERIAL: LOCATION: 392 W B LOCATION: LOCATION: **LOCATION**: MATERIAL MATERIAL: LOCATION: LOCATION: Relinquished by: License No: 1964262 Lunder Sample 1D U 47 M Field 1D# Lab ID#

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APPENDIX F

PERSONNEL CERTIFICATIONS



THE VERTEX COMPANIES, INC.

ACCREDITATION PAGE

Accredited Inspector

Name: Jason Mohre
Accreditation Number: Al000262
Signature:
Date: 5/11/2021
Accredited Management Planner
Name: Jason Mohre
Accreditation Number: AP000080
Signature:



APPENDIX G

SUPPLEMENTAL FORMS



CONTACT INFORMATION

Local Education Agency and School Information

Local Education Agency: Scituate Public Schools				Telephone Number: 781-545-8749		
Address: 606 Chief Justice Cushing Hwy Scituate, MA						
Name of School: Wampatuck Elementary School				Telephone Number: 781-545-8790		
Address: 266 Tilden Road Scituate, MA				County: Plymouth (County	
Designated Person Information						
Name of Designated Person: Robert Dillon				Telephone Number: 781-545-8749		
Address: 606 Chief Justice Cushing Hwy Scituate	e, MA					
Course Name:	Training	g Agency:		Date:	Hours of Training:	
Management Planner(s) The following management planner(s) has developed/contributed to this plan and is accredited under the state accreditation program or another state's accreditation program or an EPA-approved course.						
Name: Jason Mohre		Telepho	Telephone Number: 781-952-6000			
Firm: The Vertex Companies, Inc.						
Address: 400 Libbey Parkway, Weymouth, Massachusetts 02189						
State of Accreditation/Accreditation Number: MA/AP00080						
Course Name: Asbestos Management Planner Date: 1/28/10		Training Agency: Institute for Environmental Education		r Environmental		
			Telepho	one Number: 800-823	3-6239	

SCHOOL BUILDING LIST

Name of Building	Address	Construction Date(s)	Friable ACBM*	Non- Friable ACBM	Friable and Non- Friable Suspected ACBM Assumed to be ACM**	No ACBM
Wampatuck Elementary School	266 Tilden Road	1960	X	Х	Х	
Cushing Elementary School	One Aberdeen Drive	1963	Х	Х	Х	
Hatherly Elementary School	72 Ann Vinal Road	1963	Х	Х	х	
Scituate High School	606 Chief Justice Cushing Highway	1967	Х	Х		
Jenkins Elementary School	49 Vinal Road	2003				х
Gates Middle School	606 Chief Justice Cushing Highway	2019	Х	Х		

^{*}ACBM -Asbestos-Containing Building Material **ACM -Asbestos-Containing Material

TF: May 7, 2021

DESIGNATED PERSON ASSURANCES

In accordance with 40 CFR ' 763.93(i) of the Environmental Protection Agency Asbestos-Containing Material in Schools regulation, the undersigned Local Education Agency (LEA) Designated Person (DP) hereby certifies that the following general responsibilities of the LEA under 40 CFR ' 763.84 have been or will be met:

- 1.Ensure that the activities of any persons who perform inspections, reinspections, and periodic surveillance, develop and update management plans, and develop and implement response actions, including operations and maintenance, are carried out in accordance with Part 763, Subpart E.
- 2. Ensure that all custodial and maintenance employees are properly trained as required by Part 763, Subpart E and other applicable Federal and/or State regulations (e.g., the Occupational Safety and Health Administration asbestos standard for construction, the EPA worker protection rule, or applicable State regulations).
- 3. Ensure that workers and building occupants, or their legal guardians, are informed at least once each school year about inspections, response actions, and post-response action activities, including periodic reinspection and surveillance activities that are planned or in progress.
- 4. Ensure that short-term workers (e.g., telephone repair workers, utility workers, or exterminators) who may come in contact with asbestos in a school are provided information regarding the locations for Asbestos-Containing Building Materials (ACBM) and suspected ACBM assumed to be Asbestos-Containing Materials (ACM).
- 5. Ensure that warning labels are posted in accordance with '40 CFR 763.95.
- 6. Ensure that management plans are available for inspection and notification of such availability has been provided as specified in the management plan under ' 40 CFR 763.93(g).
- 7. Designate a person to ensure that requirements under '763.84 are properly implemented and ensure that the designated person receives adequate training to perform duties assigned under '763.84. Such training shall provide, as necessary, basic knowledge of: health effects of asbestos; detection, identification, and assessment of ACM; options for controlling ACBM; asbestos management programs; relevant Federal and State regulations concerning asbestos, including those in Part 763, Subpart E and those of the Occupational Safety and Health Administration, U.S. Department of Transportation and the U.S. Environmental Protection Agency.
- 8. Consider whether any conflict of interest may arise from the inter-relationship among accredited personnel and whether that should influence the selection of accredited personnel to perform activities under Part 763, Subpart E.

Name of Designated Person:	
Designated Person's Signature:	Date:

EVALUATION OF RESOURCES

1.	Estimated Resources to Complete the Response Actions	\$ 1,400.00
2.	Estimated Resources to Conduct Re-Inspection	\$ 1,800.00
3.	Estimated Resources to Complete Operations and Maintenance Activities	\$ 500.00
4.	Estimated Resources to Conduct 6-Month Periodic Surveillance	\$ 400.00
5.	Estimated Resources to Conduct Training for Custodial Staff	
	a. LEA-Designated Person Training	\$ 250.00
	b. 16-Hour Operations and Maintenance Training (per Worker)	\$ 295.00
	c. 2-Hour Awareness Training (per Worker)	\$ 75.00

DATE: 5/7/2021

PLAN FOR OPERATIONS AND MAINTENANCE ACTIVITIES

LEA Name: Scituate Public Schools

School Name: Wampatuck Elementary School

Attach or outline the plan here:



Protecting Workers from the Hazards of Asbestos-Containing Flooring Material Maintenance

Many resilient flooring tiles contain asbestos, a mineral fiber used in numerous building materials before its dangerous health effects were discovered. A hazard exists for workers who buff or wax flooring material containing asbestos. Any floor tiles installed prior to 1980 should be presumed to contain asbestos — unless confirmed to be asbestos-free by a laboratory — and the proper protective actions should be taken. The Occupational Safety and Health Administration (OSHA) has regulations to protect workers from asbestos.

What is the hazard?

The equipment used during the care or maintenance of asbestos-containing flooring tiles has an abrasive pad which runs at high speeds, and can release tiny asbestos fibers into the air.

The airborne fibers can then be inhaled by workers without knowing it, and become trapped in their lungs.

Asbestos is a known human carcinogen and can cause chronic lung disease as well as lung and other cancers.

How do I know if there is a hazard?

Airborne asbestos fibers are very small and cannot be seen by the naked eye.

Flooring materials installed prior to 1980 should be presumed to contain asbestos and should be treated as such, unless a piece of the material is sent to a reputable laboratory and analyzed for asbestos by transmission electron microscopy and found to contain a concentration of less than 1.0%.

What should be done to protect workers?

Workers caring for asbestos-containing flooring material (general industry) are protected by OSHA's Asbestos standard, 29 Code of Federal Regulations (CFR) Part 1910.1001. OSHA has separate asbestos standards for the construction and shipyard industries due to differing working conditions and asbestos exposures.

Training elements of OSHA's Asbestos Standard

Initial and annual training must be provided in a manner and language that workers can understand. The training must include: health effects of asbestos; locations of asbestos-containing and presumed asbestos-containing materials; recognition of damage and deterioration of asbestos-containing materials; and the proper response to fiber release episodes. The following elements should be included in this training:

Care of Asbestos-Containing Flooring Materials

- Do not sand asbestos-containing flooring material;
- · Use only low-abrasion buffing pads;
- Operate buffers only at speeds lower than 300 rpm;
- · Use wet methods;
- If asbestos-containing flooring material has sufficient finish, brushing or dry buffing is permissible.

If these methods are properly implemented, personal protective equipment (PPE) should not be necessary.

Recordkeeping

A record of training and worker notification is necessary. If applicable, any exposure monitoring records and medical monitoring records must also be kept.

OPERATIONS AND MAINTENANCE ACTIVITIES

LEA Name: Scituate Public Schools

School Name: Wampatuck Elementary School	
Building Assessed/Address: .	
Room/Functional Space:	<u>-</u>
Provide the description of the activity, including preventative measures used, and the locatio operation and maintenance activities specified under 40 CFR 763.91(d) and under 40 CFR 763 conducted under	
40CFR763.91(e):	
·	
Provide the start and completion dates of the activity:	
Provide the name of each person performing the activity and for a major asbestos activity, pro accreditation and, if applicable, the accreditation number of each person performing the activity.	
 •	
If ACBM is removed, provide the name and location of the storage or disposal site of the ACM	<u>:</u>
	·

CLEANING RECORD

LEA Name: Scituate Public Schools	
School Name: Wampatuck Elementary School	
Cleaning: (check one) [] Cleaning after initial inspection [] Additional cleaning approved by LEA under O&M Pla	<u>n.</u>
Date of Cleaning:	
Location of Cleaning:	
Cleaning Methods Used :	
Provide the name of each person performing the cleaning	

MAJOR/MINOR FIBER RELEASE EPISODE

LEA Name:	Scituate Public Schools
School Name: V	Vampatuck Elementary School
Type of Episode:	(check one) [] Major Fiber Release [] Minor Fiber release.
Date of episode:	<u>.</u>
Provide the descresponse action	ription of the fiber release episode, including the location, type of ACBM, method of repair, and preventative measure or taken:
	·
Provide the nam	es of each person performing the work:
	·
If ACBM is remov	ved, provide the name and location of the storage or disposal site of the ACM
	·································

PERIODIC SURVEILLANCE

AHERA Six-Month Surveillance Inspection Date:	
(Print Name):	
Signature: Wampatuck Elementary School	-266 Tilden Road
Wampatuck Elementary School	-266 Higen Koag

April Oct. April Oct. April Oct. ACBM **Estimated** Location 2021 2022 2022 2023 2021 2023 Description Quantity

	Description	Description Quantity		Cond.	Cond.	Cond.	Cond.	Cond.	Cond.
	First Floor								
Room 1 (101)	9" x 9" Tan Floor Tile	890	ft²	MD (2 ft ²)					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
	Cementitious Panel Above Door		ft ²	G					
Room 2 (105)	9" x 9" Tan Floor Tile	890	ft ²	MD (4 ft ²)					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
	Cementitious Panel Above Door	6	ft ²	G					
105B	9" x 9" Brown Floor Tile	48	ft ²	MD (4 ft ²)					
Room 3 (102)	9" x 9" Tan Floor Tile	890	ft ²	G					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
	Cementitious Panel Above Door	6	ft ²	G					
102B	9" x 9" Brown Floor Tile	48	ft ²	MD (4 ft ²)					
Room 4 (106)	9" x 9" Tan Floor Tile	890	ft ²	G					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
	Cementitious Panel Above Door	6	ft ²	G					

AHERA Six-Month Surveillance Inspection Date:	
(Print Name):	
Signature:	
Wampatuck Element	ary School-266 Tilden Road

Location	ACBM Description		nated ntity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
	First Floor (Contir	nued)		Cond.	Conu.	Cona.	Conu.	Conu.	conu.
Room 5 (103)	9" x 9" Tan Floor Tile	890	ft ²	MD (24 ft ²)					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
	Cementitious Panel Above Door	6	ft ²	G					
103B	9" x 9" Brown Floor Tile	48	ft ²	MD (4 ft ²)					
Room 6 (107)	9" x 9" Tan Floor Tile	890	ft ²	G					
	Pipe Insulation (Assumed Above Ceiling)	ipe Insulation (Assumed Above Ceiling)							
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
	Cementitious Panel Above Door	6	ft ²	G					
107B	9" x 9" Brown Floor Tile	48	ft ²	MD (6 ft ²)					
Room 7 (104)	9" x 9" Tan Floor Tile	890	ft ²	G					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
	Cementitious Panel Above Door	6	ft ²	G					
Room 8 (108)	9" x 9" Tan Floor Tile	890	ft ²	G					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
	Cementitious Panel Above Door	6	ft ²	G					
North Boys Room (110)	Interior Window Glazing	12	lf	G					
North Girls Room (113)	Interior Window Glazing	12	lf	G					
North Storage (115)	9" x 9" Brown Floor Tile	120	ft ²	G					
116	9" x 9" Brown Floor Tile	264	ft ²	G					

(Print Name):	AHERA Six-Month Surveillance Inspection Date:
	(Print Name):
Signature: Wampatuck Elementary School-266 Tilden Road	

April April Oct. April Oct. Oct. **ACBM Estimated** Location 2021 2021 2022 2022 2023 2023 Description Quantity Cond. Cond. Cond. Cond. Cond. Cond. First Floor (Continued) 72 ft² 114 9" x 9" Brown Floor Tile G 112 9" x 9" Brown Floor Tile 20 ft² G 9" x 9" Brown Floor Tile 20 ft² 111 G 476 ft² North Hallway 9" x 9" Green Floor Tile G 720 ft² G Drywall/Joint Compound 9" x 9" Green Floor Tile 500 ft² G Room 117 720 ft² Drywall/Joint Compound G 900 ft² 9" x 9" Tan Floor Tile MD (6 ft²) Room 9 (133) Pipe Insulation (Assumed Above Ceiling) lf Pipe Fitting Insulation (Assumed Above Ceiling) Units 88 ft² Chalkboard G 40 ft² G 9" x 9" Brown Floor Tile 138 MD (28 9" x 9" Tan Floor Tile 900 ft² ft²) Room 10 Pipe Insulation (Assumed Above Ceiling) lf Pipe Fitting Insulation (Assumed Above Ceiling) Units ft² Chalkboard 88 G 40 ft² 9" x 9" Brown Floor Tile G 137 900 ft² 9" x 9" Tan Floor Tile MD (4 ft²) Room 11 Pipe Insulation (Assumed Above Ceiling) lf Pipe Fitting Insulation (Assumed Above Ceiling) Units 88 ft² Chalkboard G 900 ft² Room 12 (143) 9" x 9" Tan Floor Tile G Pipe Insulation (Assumed Above Ceiling) lf Pipe Fitting Insulation (Assumed Above Ceiling) Units ft² Chalkboard 88 G

Location	ACBM Description		nated ntity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
	First Floor (Continue	ed)							
146	9" x 9" Brown Floor Tile	168	ft ²	G					
Kitchen	Corkboard and Adhesive	70	ft ²	С					
Kitchen Office	Pipe Insulation	30	lf	G					
	Pipe Fitting Insulation		Units	MD (3)					
Cafetorium	12" x 12" White Floor Tile	3000	ft ²	G					
	Black Floor Tile Mastic	3000	ft ²	С					
	Cementitious Panel Above Doors	42	ft ²	G					
Room 13 (165)	12" White Blue Spec Floor Tile	900	ft ²	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)		ft ²	С					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard		ft ²	G					
Room 14 (164)	12" White Blue Spec Floor Tile		ft ²	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)		ft ²	С					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
Room 15 (163)	12" White Blue Spec Floor Tile	900	ft ²	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900	ft ²	С					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					
Room 16	12" White Blue Spec Floor Tile	900	ft ²	G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	900	ft ²	С					
	Pipe Insulation (Assumed Above Ceiling)		lf						
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Chalkboard	88	ft ²	G					

AHERA Six-Month Surveillance Inspection Date:	
(Print Name):	
Signature: Wampatuck Elementary School	al-266 Tilden Road

Location	ACBM Description		nated intity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
	First Floor (Continu	ed)							
Room 16.1	12" White Blue Spec Floor Tile	64		G					
	9" x 9" Tan Floor Tile (Assumed Under 12" Tile)	64	ft ²	С					
	Pipe Insulation	20	lf	G					
	Pipe Fitting Insulation	3 Units		G					
Room 17 (162)	Mosaic Pattern Sheet Flooring	1156	ft ²	G					
South Play Room	9" x 9" Brown Floor Tile (Under Carpet)	1600	ft ²	С					
Nurses Area (129)	9" x 9" Brown Floor Tile	432 ft ²		MD (2 ft ²)					
Office Area	12" White Blue Spec Floor Tile	140 ft ²		G					
	9" x 9" Brown Floor Tile (Assumed Under 12" Tile)	wn Floor Tile (Assumed Under 12" Tile) 140 ft ²		С					
127A-Closet	9" x 9" Brown Floor Tile	9" x 9" Brown Floor Tile 24 ft ²		G					
Principal (126)	9" x 9" Brown Floor Tile (Assumed Under Carpet)	154 ft ² C							
Teachers Room (121)	9" x 9" Brown Floor Tile	648 ft ² MD (4 ft ²)							
Conference Room (119)	9" x 9" Brown Floor Tile	572 ft ²		MD (2 ft ²)					
	Interior Window Glazing	120 lf G							
Receiving Storage Room (153)	9" x 9" Brown Floor Tile	112 ft ²		G					
	Pipe Insulation	10	lf	G					
Room 18 (204)	12" x 12" Marble/Tan Floor Tile	900	ft ²	MD (30 ft ²)					
	Black Floor Tile Mastic	900	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	1	Unit	G					
Room 19 (202)	12" x 12" Marble/Tan Floor Tile	900	ft ²	G					
	Black Floor Tile Mastic	900	ft ²	G					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	1	Unit	G					

AHERA Six-Month Surveillance Inspection Date:	
(Print Name):	
Signature:	ck Elementary School-266 Tilden Road
wampatu	ck Elementary School-266 Tilden Road

Location	ACBM Description		nated ntity	April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
First Floor (Continued)							Contai	Condi	
Room 20 (201)	12" x 12" Marble/Tan Floor Tile	900	ft ²	G					
	Black Floor Tile Mastic	900	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	Black Sink Mastic 1		G					
Room 21 (203)	12" x 12" Marble/Tan Floor Tile	x 12" Marble/Tan Floor Tile 900 ft ² G							
	Black Floor Tile Mastic	Black Floor Tile Mastic 900 ft ² C							
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	1	Unit	G					
Room 22 (205)	12" x 12" Marble/Tan Floor Tile	12" x 12" Marble/Tan Floor Tile 900 ft ²		G					
	Black Floor Tile Mastic	900	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	1	Unit	G					
Speech	12" x 12" Off-White Gray Spec Floor Tile	616	ft ²	G					
	Black Floor Tile Mastic	616	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling) Un		Units						
AV Storage	12" x 12" Marble/Tan Floor Tile	176	ft ²	G					
	Black Floor Tile Mastic	176	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
Library Office	12" x 12" Marble/Tan Floor Tile	121	ft ²	G					
	Black Floor Tile Mastic	121	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	1	Unit	G					
Work Room	12" x 12" Marble/Tan Floor Tile	154	ft ²	G					
	Black Floor Tile Mastic	154	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						

AHERA Six-Month Surveillance Inspection Date:	
(Print Name):	
Signature:	
Wamp	atuck Elementary School-266 Tilden Road

Location	ACBM Description	Estimated Quantity		April 2021 Cond.	Oct. 2021 Cond.	April 2022 Cond.	Oct. 2022 Cond.	April 2023 Cond.	Oct. 2023 Cond.
	ued)		Cona.	Cona.	Conu.	Conu.	Cona.	Cona.	
220-Custodial	12" x 12" Marble/Tan Floor Tile	108 ft ²		MD (6 ft ²)					
	Black Floor Tile Mastic	108	ft ²	Č					
	Pipe Fitting Insulation	4	Units	G					
Room 23 (213)	_		ft ²	G					
	Black Floor Tile Mastic	900	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	1	Unit	G					
Room 24 (215)	12" x 12" Marble/Tan Floor Tile	900	ft ²	G					
	Black Floor Tile Mastic	900	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	1	Unit	G					
222	12" x 12" Off-White Gray Spec Floor Tile	280	ft ²	G					
	Black Floor Tile Mastic	280	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
224	12" x 12" Off-White Gray Spec Floor Tile	196	ft ²	G					
	Black Floor Tile Mastic	196	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
Room 25	12" x 12" Marble/Tan Floor Tile	1204 ft ²		MD (3 ft ²)					
	Black Floor Tile Mastic	1204	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	2	Units	G					
Room 25-26 Hall	12" x 12" Marble/Tan Floor Tile	40	ft ²	G					
	Black Floor Tile Mastic	40	ft ²	С					
Room 26	12" x 12" Marble/Tan Floor Tile	1204	ft ²	MD (3 ft ²)					
	Black Floor Tile Mastic	1204	ft ²	С					
	Pipe Fitting Insulation (Assumed Above Ceiling)		Units						
	Black Sink Mastic	2	Units	G					

Notes:

ft² = Square Foot If = Linear Foot

Unit = Each

G = Good

Cond. = Condition

MD = Minor Damage

D = Damaged

U = Unknown C = Covered NA = Not Accessible

TRAINING RECORDS

20 4/21/21

VBRTEXY®

Two-Hour Asbestos Awareness Training Attendance Sheet

Instructor: Jason Mohre (The VERTEX Companies, Inc.)

Date	Time	Time	Signature
1	111	Out	0.16
4/21	9:00	11:00	Sign to the
4/21	9,00	1:00	Dine Olym
4/21	q:00	[[100]	Just 9455
4/21	9:20	11:00	3
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VERTEX

Two-Hour Asbestos Awareness Training Attendance Sheet

Instructor: Jason Mohre (The VERTEX Companies, Inc.)

nstructor: Jason Mohre (The VERTEX Printed Name	Date Time		Time	Signature			
		In	Out				
Corne Bortlett	4/21	12:00	-2	Some Rolle			
FAVE By lens	1	1(2-	Car Be			
Steve boneti	11	1	2	Stro poner			
William Chrisian	l j	11	8	California			
Joseph Connelly	11	11	out	In Con			
Bob Stafford	4/21	12:00	2: co	not graff			
A: HON GARRIEL OF SANT		12:00	2:00	Ath. gols o sen			
Travor Tubridy	4/21	12:00	2:00				
FLED: SON SON SONTON	4-21	12:00	2:00	A.			
Donna Street	4.21	12:00	2:00	D. Stree			
	2.1						

VERTEXY

PLAN TO INFORM

Under 40 CFR ' 763.93(g)(4), at least once each school year, the LEA must notify in writing parent, teacher, and employee organizations of the availability of the Asbestos Management Plan (AMP) and must include in the AMP, a description of the steps taken to notify such organizations, and a dated copy of the notification. In the absence of any such organizations for parents, teachers, or employees, the LEA must provide written notice to that relevant group of the availability of the AMP and must include in the AMP a description of the steps taken to notify such groups, and a dated copy of the notification.

Under 40 CFR ' 763.93(e)(10), the AMP must include a description of the steps taken to inform workers and building occupants, or their legal guardians, about inspections, re-inspections, response actions, and post-response action activities, including periodic reinspection and surveillance activities that are planned or in progress. Under 40 CFR ' 763.84(c), the LEA must inform them about these activities at least once each school year.

Tips for Superintendents – Sample Annual Written Notification

SAMPLE: Schools may adapt or expand this sample template in order to comply with minimum requirements to provide annual notification to staff and guardians. Keep a dated copy in each school's Management Plan. For more assistance with AHERA compliance, visit www.mass.gov/dols/ahera

INSERT YOUR LETTERHEAD

ANNUAL ASBESTOS NOTIFICATION LETTER

For School Year 2013-2014

Date: September 20##
Dear Staff, Guardians and Students:
A copy of our district's Asbestos Management Plan is available in each school and at the main administrative office during regular school hours.
The district continues to update and improve the AHERA Asbestos Management Plans. Any inquiries regarding the management of asbestos—containing materials in our schools should be directed to our district's AHERA Designated Person, (name) who can be reached at (work location), and (email) and (phone)



Guidance for Superintendents – Sample Template for Notification to Contractors and Short-Term Workers about Asbestos

Background:

Schools must notify contractors and short-term workers who perform work in the building about the presence of asbestos-containing materials in the vicinity of their work area. The intent is twofold: 1) material should not be accidentally disturbed which could result in occupant exposure or building contamination; and 2) if work will disturb the material, the contractor must use trained, licensed workers and use work practices to prevent occupant exposure and building contamination.

The school may decide the most efficient and effective method for notification. Some schools elect to notify contractors when contracts are awarded. Some schools use a "log-in book" to confirm that all employees of the contractor visiting the school on that particular day are notified about the presence of asbestos-containing materials in the building.

Contractors include electricians, plumbing and heating, HVAC, flooring, and Information Technology. For example, before an IT vendor installs wiring above a suspended ceiling, the school's Asbestos Management Plan should be referenced to determine if the ceiling tiles contain asbestos, and determine if there is spray-on insulation or textured plaster above the ceiling which contain asbestos. Dust control work practices, and worker asbestos training, must be used if asbestos-containing materials will be disturbed. At the completion of work, the area may require O&M cleaning with wet methods or HEPA vacuums.

NOTICE TO CONTRACTORS

This notice must be signed by all contractors and vendors conducting work in the schools. The original copy will be maintained in the school office. Each contractor must sign into the school Visitor's Log and complete a copy of this Notice.

	All contractors who perform work in theXX School September 2013 Presence of Asbestos-Containing-Materials in the XX School								
RE:									
Your w	work in the	School may disturb Asbestos-Containing Materials.							
A diag	ram of known a	Containing Materials: d presumed asbestos-containing materials is attached to this notice. materials in your school)							
	Ceiling tiles Floor tiles – all Boiler insulatio Pipe elbow insu Spray-on textur	lation							
Distur	• If you s	Containing Materials and Presumed Asbestos-Containing Materials spect a material may contain asbestos, contact the district Designated (name) at 617-###-#### before disturbing it.							
	 Personn 	el must be trained and authorized to disturb asbestos-containing materia							
	school o does no	el must follow Operations and Maintenance procedures to ensure that ecupants are not exposed to asbestos dust, and ensure that asbestos dust contaminate building areas. A licensed Asbestos Contractor is required ore than 3 square feet or 3 linear feet is disturbed.							
		sbestos-containing materials located in non-public mechanical areas. The demonstrate that the material does not contain asbestos.							
been n	otified of the pre	eturn this document to the school receptionist as agreement that you have sence of asbestos-containing materials, and your acceptance that you wi stos-containing materials.							
Printed	l name:	Signature:							
Compa	anv:	Date:							