

June 3, 2024

via email: runderwood@lowell.k12.ma.us

Rick Underwood Director of Operations & Maintenance Lowell Public Schools 155 Merrimack Street, 4th Floor Lowell, Massachusetts 01852

RE: AHERA 3-Year Reinspection Edith Nourse Rogers School (former) – STEM Academy 43 Highland Street Lowell, Massachusetts EFI Project No. 014.07795

Dear Mr. Underwood:

EFI Global Inc. (EFI) is pleased to present this AHERA 3-Year Reinspection Report prepared for the Edith Nourse Rogers School (former) – Stem Academy, located at 43 Highland Street in Lowell, Massachusetts (Site). The reinspection site visit was conducted on April 16, 2024, and the corresponding report was completed in accordance with the United States Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) regulations (40 CFR 763) and Massachusetts Department of Labor Standards "Requirements for Schools Subject to AHERA" regulations (454 CMR 28.13).

EFI relied upon previous 3-Year Inspection and Management Plan Update report from 2014 prepared by Cardo ATC, and 2017 and 2020 reinspection's prepared by EFI Global Inc. The original AHERA Management Plan and other subsequent records were not made available at the school or at the administrative office for review. EFI relied upon the 2020 table of identified ACM for this reinspection. The school's Management Plan and records should be located and kept on file at the school and the administrative offices.

EFI is pleased to provide environmental consulting services to Lowell Public Schools. This report should be kept on file with the school's AHERA records. If you have any questions regarding the contents of this report, or are in need of additional information, please contact either of the undersigned at (800) 659-1202. Thank you for the opportunity to serve your environmental needs.

Sincerely, EFI Global, Inc.

Derrick Calvario Project Manager MA Asbestos Inspector # AI 900703

Mechael MCarter

Michael McCarter Senior Project Manager MA Asbestos Management Planner #AP 035661

AHERA 3-YEAR REINSPECTION

FOR:

EDITH NOURSE ROGERS SCHOOL (former) – STEM ACADEMY 43 HIGHLAND STREET LOWELL, MASSACHUSETTS

PREPARED BY:



155 WEST STREET, SUITE 6 WILMINGTON, MASSACHUSETTS 01887

EFI PROJECT NUMBER 014.07795

June 3, 2024

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Attachment A – AHERA Summary Table of ACMs and Recommended Response Actions

Attachment B – Site Plans and 2024 Reinspection Bulk Sample Locations

Attachment C –2024 Reinspection Asbestos Bulk Sample Laboratory Report

Attachment D – Licenses and Training Certificates of Asbestos Inspector and Management Planner

INTRODUCTION

EFI Global, Inc. (EFI) was retained by Lowell Public Schools to perform a 3-Year AHERA Reinspection in accordance with United States Environmental Protection (USEPA) Asbestos Hazard Emergency Response Act (AHERA) asbestos regulations (40 CFR 763) and Massachusetts Department of Labor Standards "Requirements for Schools Subject to AHERA" regulations (454 CMR 28.13). These regulations, commonly known as the "Asbestos in Schools Rule," require under 40 CFR 763.80 and 454 CMR 28.13(2)(b)(1) that local education agencies (LEAs) must conduct a reinspection at least once every three years of all friable and nonfriable known or assumed asbestos-containing materials (ACMs). The reinspection includes all previously known and assumed ACMs, as well as any additional suspect ACM not previously included, as required by 40 CFR 763.80 and 454 CMR 28.13 in each school building leased, owned, or otherwise used as a school building. A school building is defined in 454 CMR 28.02 as including each of the following:

- Any structure suitable for use as a classroom, including a school facility such as a library, school eating facility, or facility used in the preparation of food
- Any gymnasium or other facility which is specially designed for athletic or recreational activities for an academic course in physical education
- Any other facility used for the instruction or housing of students or for the administration of educational or research programs
- Any maintenance, storage, or utility facility, including any hallway, essential to the operation of any facility described as a school building above
- Any portico or covered exterior hallway or walkway
- Any exterior portion of a mechanical system used to condition interior space.

EFI conducted a 3-year AHERA re-inspection at the Edith Nourse Rogers School (former) – STEM Academy, which involved determining the condition and hazard potential of previously known and assumed ACMs, and additional confirmed and assumed ACMs observed during the 2024 reinspection. The 3-year re-inspection was conducted on April 16, 2024, by Derrick Calvario and Emma Cypherd, both EPA accredited, and Massachusetts Department of Labor Standards (MADLS) licensed Asbestos Inspectors, (license number AI-900703) and (license number AI-901189) respectively. EFI relied upon the 2020 3-year reinspection table of identified and assumed ACMs for this reinspection. The original AHERA Management Plan and subsequent records were not made available at the school or at the administrative office for review. The recommended response actions were prepared by MADLS-licensed Asbestos Management Planner Michael McCarter (AP-033118).

A summary of known and assumed ACM within the Edith Nourse Rogers School (former) - STEM Academy is presented in the AHERA Summary Table in **Attachment A**. Site Plans showing buildings and locations referenced in this report are presented in **Attachment B**.

The Designated Person for the Lowell Public Schools is Rick Underwood. Rick's contact information is:

Rick Underwood Director of Operations & Maintenance Lowell Public Schools 155 Merrimack Street, 4th Floor Lowell, Massachusetts 01852 978-674-4328 runderwood@lowell.k12.ma.us

AHERA 3-YEAR REINSPECTION

A. AHERA Records Review

As part of this 3-year reinspection, EFI reviewed available AHERA records for the school, in accordance with the AHERA regulation and 454 CMR 28.13(5)(f). A summary of records reviewed is provided in the table below.

Review of AHERA Documentation Edith Nourse Rogers School							
	43 Highland Street, Lowell, Massachusetts						
Document/Record	Present?	Comment					
Asbestos Management Plan (on hand at school and available for review)	No	No records available at the school or administrative office for review. The Cardo ATC 2014 3-Year Reinspection and Updated Management Plan is posted on the school's web site. EFI also relied upon in-house records from the 2017 and 2020 reinspection's.					
Designated Person Training Records (for Rick Underwood)	No	No records available at the school or administrative office for review. Designated Person should receive formal designated person training or review the Designated Person Self Study Guide (available at <u>https://www.epa.gov/sites/default/files/2015-01/documents/dp_study_guide_0.pdf</u>).					
Custodial Personnel 2-hour Awareness	No	No records available at the school or					
Training Records		administrative office for review.					
Annual Parental Notification Records	No	No records available at the school or administrative office for review. Annual notification letters should be sent or posted on the school's web site and copies kept on file with the AHERA records.					
Abatement/Response Action Records (includes abatement, special cleaning activities & small scale short duration (SSSD) activities and associated monitoring reports and work plans)	No	No records available at the school or administrative office for review.					
Designated Person True and Correct Statement	No	No records available at the school or administrative office for review.					
6-month Surveillance Inspection Records	No	No records available at the school or administrative office for review.					
Previous 3-Year Reinspection Records	No	No records available at the school or administrative office for review.					
Asbestos Labels present (required in routine maintenance areas)	No	No labeling observed. Labels should be placed immediately adjacent to ACM present in routine maintenance areas (i.e., boiler rooms, utility closets, etc.)					

B. ACM Application Types

ACMs are divided into the following application types:

<u>Thermal system insulation (TSI)</u>: Insulation applied to mechanical, heating, and cooling systems such as pipes, boilers, flue breechings, ducts, tanks and fittings.

<u>Surfacing Materials</u>: Material that is spray-applied or trowel-applied to walls, ceilings or structural components (i.e. plasters, acoustical finishes and fireproofing).

<u>Miscellaneous Materials</u>: All other asbestos materials, including but not limited to floor tiles and mastic, ceiling tiles, vinyl cove base and mastic, gypsum board and joint compound, and asbestos-cement board, etc.

C. ACM Assessment Criteria

The assessment is divided into two categories - the physical assessment and the hazard potential assessment.

Physical Assessment

The physical assessment is divided into the following seven categories and describes the material condition at the time of the inspection:

Physical Condition #1 - Damaged or significantly damaged thermal system ACM.
Physical Condition #2 - Damaged friable surfacing ACM.
Physical Condition #3 - Significantly damaged friable surfacing ACM.
Physical Condition #4 - Damaged or significantly damaged miscellaneous ACM.
Physical Condition #5 - ACM with potential for damage.
Physical Condition #6 - ACM with potential for significant damage.
Physical Condition #7 - Any remaining friable ACM or friable suspected ACM.

Hazard Assessment

The hazard assessment is a combination of the physical assessment combined with the potential for disturbance (i.e., physical contact, vibration air movement) as follows:

Hazard Rank #1 – Good condition/Low potential for disturbance Hazard Rank #2 – Good condition/ Moderate potential for disturbance Hazard Rank #3 – Good condition/ High potential for disturbance Hazard Rank #4 – Damaged condition/Low potential for disturbance Hazard Rank #5 – Damaged condition/Moderate potential for disturbance Hazard Rank #6 – Damaged condition/High potential for disturbance Hazard Rank #7 – Significantly damaged condition The following is the Assessment Criteria used during the inspection:

- 1. Homogeneous Areas (An area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in size, color and texture and was applied at approximately the same time) were quantified by location and assessed by condition. Materials are listed as friable or non-friable. Note: friable materials are materials that can be crushed and pulverized to dust by hand pressure. A general condition description for suspect materials used in this inspection is as follows:
 - a. <u>Damaged Surfacing ACM</u>: That material which has deterioration, delamination, water damage, lacks cohesion, is blistered, crumbling, gouged, marred heavily, abraded, or in any way has lost its structural integrity over more than 1% but less than 10 % of the total surface area if the damage is evenly distributed or less than 25%, if the damage is localized in one area of the homogeneous area.
 - b. <u>Significantly Damaged ACM</u>: That material which has deterioration, delamination, water damage, lacks cohesion, is blistered, crumbling, gouged, marred heavily, abraded, or in any way has lost its structural integrity over at least 10% of the surface area if the damage is evenly distributed or at least 25% if the damaged is localized.
 - c. <u>Good Condition ACM</u>: ACM with no visible damage or deterioration in less than one percent of the material and/or coverings.
 - d. <u>ACM with potential for damage</u>: Pertains to circumstances in which:
 - i. Friable ACM is in an area regularly used by building occupants, including maintenance workers, currently in intact (good) condition.
 - ii. There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated or delaminated due to factors such as changes in building use, changes in O&M practices, changes in occupancy or recurrent damage.

Note: All ACM in good condition is still considered to have a potential for damage, and in certain instances, has the potential for significant damage.

- e. ACM with potential for significant damage: Pertains to circumstances in which:
 - i. Friable ACM is in an area regularly used by building occupants, including maintenance personnel.
 - ii. Indications show that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in O&M practices, changes in occupancy or re-occurring damage.
 - iii. The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or under certain circumstances, vibration or air erosion.

D. Response Actions – General Recommendations

Specific response actions for each known and assumed ACM located at the Edith Nourse Rogers School (former) – STEM Academy are located in **Attachment A**. The following are general recommendations for response actions associated with managing ACMs at the school.

- Damaged materials in the school should be repaired, if feasible, or removed in order to maintain compliance with the AHERA regulations. Damaged ACMs of any quantity listed in the report should be repaired or removed by a Massachusetts licensed asbestos abatement contractor following all applicable regulations, in accordance with a work plan design, and final clearance air testing performed in accordance with the AHERA regulations. It is the policy of the Lowell Public Schools to use licensed asbestos contractors for all response action work.
- 2. The AHERA regulation states that the response actions chosen for other than small scale/short duration repairs (less than 3 square or linear feet), must be designed and conducted by persons accredited to design and conduct response actions. MADLS Regulation 454 CMR 28.00 requires the services of licensed Project Designers who meet the requirements set forth in 454 CMR 28.00, as well as Massachusetts licensed Asbestos Contractors.
- 3. Damaged ACMs that involve small scale/short duration repairs can only be conducted by 16-hour asbestos-trained personnel or by a licensed Asbestos Contractor. EFI understands that small scale/ short duration projects will not be performed by in house personnel, and that all work will be conducted by an outside licensed Asbestos Contractor.
- 4. Each known and assumed ACM should be monitored for any changes in condition during the sixmonth periodic surveillance, or more frequently.
- 5. If known or suspect ACMs are to be impacted by planned renovation or demolition activities, the ACM must be removed by a Massachusetts licensed Asbestos Contractor. Note that AHERA inspections do not meet the EPA NESHAP and Commonwealth of Massachusetts Department of Environmental Protection (MADEP) requirements for a comprehensive pre-renovation or demolition survey. Prior to any planned renovation or demolition project, all renovation/demolition areas must be thoroughly surveyed to meet the requirements of EPA NESHAP and MADEP 310 CMR 7.15(4) Survey Requirements. LEA Designated Persons should make sure that pre-renovation/demolition surveys are performed in each instance that ACM may be disturbed.

E. AHERA Licensing & Training Documentation

The AHERA 3-year Reinspection report for the Edith Nourse Rogers School (former) – STEM Academy was performed by the following individuals who have received appropriate training and who are MADLS licensed personnel:

Derrick Calvario Project Manager MA Asbestos Inspector # AI 900703

Muchael MCarta

Michael McCarter Senior Project Manager MA Asbestos Management Planner #AP 035661

F. Asbestos Bulk Sampling

Asbestos bulk sampling of suspect ACM was performed for various suspect ACMs not previously identified as ACM in portions of the building included in the AHERA program. The bulk sampling was performed by USEPA-accredited, and MADLS licensed Asbestos Inspector Derrick Calvario and Emma Cypherd. A total of 99 bulk samples of suspect ACMs were collected and transported under chain of custody protocol to EMSL Analytical, Inc., of Woburn, Massachusetts, a Massachusetts-licensed laboratory. EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis, which is administered by the National Institute of Standards and Testing (NIST).

Samples were analyzed with a standard 3-day turnaround time using polarized light microscopy (PLM) in accordance with United States Environmental Protection Agency (USEPA) Method 600/R-93/116. The PLM/DS analytical method is modeled after 40 CFR Part 763, Subpart F, Attachment A: "Interim Method for the Determination of Asbestos in Bulk Insulation Samples." MADEP asbestos regulations define an ACM as any material containing greater than or equal to one percent asbestos. The findings of this report are based upon observations of accessible materials and the analysis of representative bulk samples collected. **Attachment B** contains site plans indicating locations of samples collected and analyzed as part of this reinspection. A copy of the asbestos laboratory reports is presented in **Attachment C**.

Bulk samples representing individual homogenous areas of suspect ACM, (materials that are determined to be uniform in color and texture and installed in the same construction period) were collected in a randomly distributed manner, in accordance with the EPA sampling protocol outlined in 40 CFR 763.

The following suspect ACMs sampled by EFI during the 2024 reinspection were reported by EMSL as containing <u>no detectable concentration of asbestos:</u>

Material Description	Location(s) Sampled
12x12 Green with Green Speckled Floor Tile	Room 62, Room 118
Black Mastic Associated with 12x12 Green Speckled Floor Tile	Room 62, Room 118
12x12 Blue with Blue Speckled Floor Tile	Room 62
12x12 White with Speckled Floor Tile	Room 123
Yellow Mastic Associated with 12x12 White Speckled Floor Tile	Room 123
12x12 White Floor Tile with Streak	Room 103
Yellow Mastic Associated with 12x12 White Streak Floor Tile	Room 103
Blue/Green Floor Tile Under Carpet	Room 132, Room 131, 1 st Floor Nurse
Black Mastic Associated with Blue/Green Floor Tile	Room 132, Room 131, 1 st Floor Nurse
Yellow Mastic Associated with Blue/Green Floor Tile	Room 132, Room 131, 1 st Floor Nurse
12x12 Grey with Grey Speckled Floor Tile	Room 117, 1 st Floor Nurse

Summary of Non-ACMs per 2024 3-Year Reinspection

Material Description	Location(s) Sampled				
Yellow Mastic Associated with 12x12 Grey Speckled Floor Tile	Room 117, 1 st Floor Nurse				
Yellow Carpet Mastic	Room 131, Room 132				
Crow's Feet Ceiling Tile	Room 62, Room 136				
Crow's Feet Ceiling Tile with Center Line	1 st Floor Main Offices, Room 236				
Pinhole Ceiling Tile	Room 115, Room 118				
Rough Textured Ceiling Tiles	Lower-Level Hallway Side D, 2 nd Floor Hallway Near Stairwell 1				
Smooth Pinhole Ceiling Tile	Lower-Level Kitchen				
Ceramic Tile Grout	Lower-Level Hallway Side D, Lower-Level Kitchen Storage				
Ceramic Tile Tan Adhesive	Lower-Level Hallway Side D				
Ceramic Tile Thinset	Lower-Level Kitchen Storage				
Green Window Caulking	Room 60, Room 115				
Black Window Caulking	Lower-Level Hallway Near Elevator, Room 234				
White Caulking	Hallway Near Room 143 and 144, Room 115, 1 st Floor Old Boys Locker Room, Room 233, Room 226				
Tan Caulking	Room 123, Room 124				
Green Exterior Caulking	Windows, Door 2				
Grey/White Exterior Caulking	Door 1				
Cove Base	Lower-Level Hallway Near Custodian Office,1 st Floor Main Office Hallway				
Tan Mastic Associated with Cove Base	Lower-Level Hallway Near Custodian Office,1 st Floor Main Office Hallway				
Epoxy Flooring	Lower-Level Kitchen				
Black Sink Undercoat	Room 53, Room 142				
Grey Duct Seam Sealant	Room 115				
Red Fire Stopper	Room 207				
Gypsum Board	Room 136, 1 st Floor Assistant Principals Office				
Joint Compound	Room 136, Room 135, Room 60, Room 122, Room 123, Room 236, Room 237				
Plaster Skim Coat	Room 101, Room 230, Girls Bathroom Near Room 207, Hallway Near Room 61, Hallway Near Door 23				
Plaster Base Coat	Room 101, Room 230, Girls Bathroom Near Room 207, Hallway Near Room 61, Hallway Near Door 23				

G. ACM Hazard Assessment & Recommended Response Actions

Accessible locations were inspected and assessed to determine the presence and condition of ACM. A Summary Table of known and assumed ACMs present at the school, the physical and hazard assessments and the recommended response action for each ACM, is presented in **Attachment A.** It should be noted that EFI did not conduct destructive evaluations of the school building to identify suspect ACM. Per USEPA NESHAP and MADEP asbestos regulations, a thorough "path of construction" survey should be conducted prior to any renovation or repair activities that may impact suspect ACM, regardless of the date of installation.

H. Cost Estimate and Schedule for Recommended Response Actions

The confirmed and assumed ACMs outlined in the summary table in **Attachment A** that were in good condition at the time of the reinspection must be maintained in place in accordance with the Operations and Maintenance Plan. Estimated costs associated with managing known and assumed ACMs at the school are summarized below.

Cost Estimate of AHERA Considerations Edith Nourse Rogers School (former) - STEM Academy 43 Highland Street, Lowell, Massachusetts	
Training Costs	
Item	Approximate Cost
2-hour asbestos awareness training (New Hires, within 60 days of hire)	\$500/person
Designated Person Training	\$250
Maintenance Costs	
Item	Approximate Cost
Asbestos labeling (Place/maintain labels adjacent to ACM in routine maintenance areas)	\$500
6-month surveillance inspections (Per schedule below)	\$500/event
3-year re-inspection (Per schedule below)	\$2,000
Response Action Costs	
Item	Approximate Cost
Immediately and annually notify occupants regarding ACM materials noted in the Summary Table if Identified and Assumed ACMs.	\$500

A proposed schedule of events between this 3-Year reinspection and the 2027 3-Year reinspection is provided for your use:

Schedule of AHERA-Related Actions Edith Nourse Rogers School (former) - STEM Academy 43 Highland Street, Lowell, Massachusetts						
Event	Completion Date					
Immediately and annually notify occupants regarding ACM gypsum board/joint compound and bumpy plaster as recommended in the Summary Table of Identified and Assumed ACMs.	By June 28, 2024 and annually thereafter.					
Annual Parental Notification Letter	September 1, 2024					
6 Month Surveillance Inspection	October 16, 2024					
6 Month Surveillance Inspection	April 16, 2025					
Annual Parental Notification Letter	September 1, 2025					
6 Month Surveillance Inspection	October 16, 2025					
6 Month Surveillance Inspection	April 16, 2026					

Annual Parental Notification Letter	September 1, 2026		
6 Month Surveillance Inspection	October 16, 2026		
3 Year Reinspection	April 16, 2027		

ATTACHMENT A

AHERA SUMMARY TABLE

AHERA 3 Year Re-Inspection Summary Table Edith Nourse Rogers School (former) – STEM Academy Summary Table of Identified and Assumed Asbestos-Containing Building Materials 43 Highland Street, Lowell, MA Dates of Inspection: 4/16/2024

ltem	Material Description	Location	Approximate Quantity	Friability (F/NF)	Sample Results	Assessment Category	Condition	Response Actions/ Notes	Recommended Completion Date
1	Gypsum Board Ceilings (Material added per 2020 reinspection)	Stage	1,080 SF	NF	Positive per Management Plan records	5	Good	Immediately and annually thereafter notify occupants that the joint compound and gypsum board are ACM and shouldn't be disturb the by hanging items or storing materials against the ACM. Manage in place in accordance with the Asbestos O&M Program. Routine inspections of ACM for physical damages due to occupancy or other factors can be performed more frequently, such as every three months.	Notify by June 28, 2024, and annually thereafter.
2	Joint Compound Ceilings (Material added per 2020 reinspection)	Stage	1,080 SF	NF	Positive per Management Plan records	5	Good	Immediately and annually thereafter notify occupants that the joint compound and gypsum board are ACM and shouldn't be disturb the by hanging items or storing materials against the ACM. Manage in place in accordance with the Asbestos O&M Program. Routine inspections of ACM for physical damages due to occupancy or other factors can be performed more frequently, such as every three months.	Notify by June 28, 2024, and annually thereafter.
3	Gypsum Board Ceilings (Material added per 2020 reinspection)	Stage Storage	120 SF	NF	Positive per Management Plan records	5	Good	Immediately and annually thereafter notify occupants that the joint compound and gypsum board are ACM and shouldn't be disturb the by hanging items or storing materials against the ACM. Manage in place in accordance with the Asbestos O&M Program. Routine inspections of ACM for physical damages due to occupancy or other factors can be performed more frequently, such as every three months.	Notify by June 28, 2024, and annually thereafter.
4	Joint Compound Ceilings (Material added per 2020 reinspection)	Stage Storage	120 SF	NF	Positive per Management Plan records	5	Good	Immediately and annually thereafter notify occupants that the joint compound and gypsum board are ACM and shouldn't be disturb the by hanging items or storing materials against the ACM. Manage in place in accordance with the Asbestos O&M Program. Routine inspections of ACM for physical damages due to occupancy or other factors can be performed more frequently, such as every three months.	Notify by June 28, 2024, and annually thereafter.
5	Bumpy Plaster Ceiling	Cafetorium	3,420 SF	NF	Positive per Management Plan records	5	Good	Immediately and annually thereafter notify occupants that the plaster is ACM and should not be disturbed by hanging items or storing materials against plaster. Manage in place in accordance with the Asbestos O& Routine inspections of ACM for physical damages due to occupancy or other factors can be performed more frequently, such as every three months.	Notify by June 28, 2024, and annually thereafter.

AHERA 3 Year Re-Inspection Summary Table Edith Nourse Rogers School (former) – STEM Academy Summary Table of Identified and Assumed Asbestos-Containing Building Materials 43 Highland Street, Lowell, MA Dates of Inspection: 4/16/2024

Item	Material Description	Location	Approximate Quantity	Friability	Sample Results	Assessment	Condition	Response Actions/	Recommended Completion
				(F/NF)		Category		Notes	Date
6	Pipe Fitting Insulation	Closet 115 (Interior Closet with Air Handler Unit)	4 Elbows	NF	Positive per Management Plan records	6	Good	Manage in place in accordance with the Asbestos O&M Program. Do not store ladders, supplies or other equipment near the pipe fitting insulation.	
7	Pipe Fitting Insulation	Room 108 (Former Gym Shower)	4 Elbows	NF	Positive per Management Plan records	6	Good	Manage in place in accordance with the Asbestos O&M Program. Do not store ladders, supplies or other equipment near the pipe fitting insulation.	
8	Pipe Fitting Insulation	Outside Room 108	2 Elbows	NF	Assumed ACM	6	Good	Manage in place in accordance with the Asbestos O&M Program. Do not store ladders, supplies or other equipment near the pipe fitting insulation. Collect bulk samples to determine asbestos content prior to any disturbance.	
9	Pipe Insulation	Generator Room	20 LF	NF	Positive per Management Plan records	6	Good	Manage in place in accordance with the Asbestos O&M Program. Do not store ladders, supplies or other equipment near the pipe fitting insulation.	
10	Old White/Grey Caulking (Material added per 2024 reinspection)	Exterior Doors and Entrances	17 Doors	NF	3% Chrysotile Asbestos	5	Good	Manage in place in accordance with the Asbestos O&M Program.	

SF = Square Feet

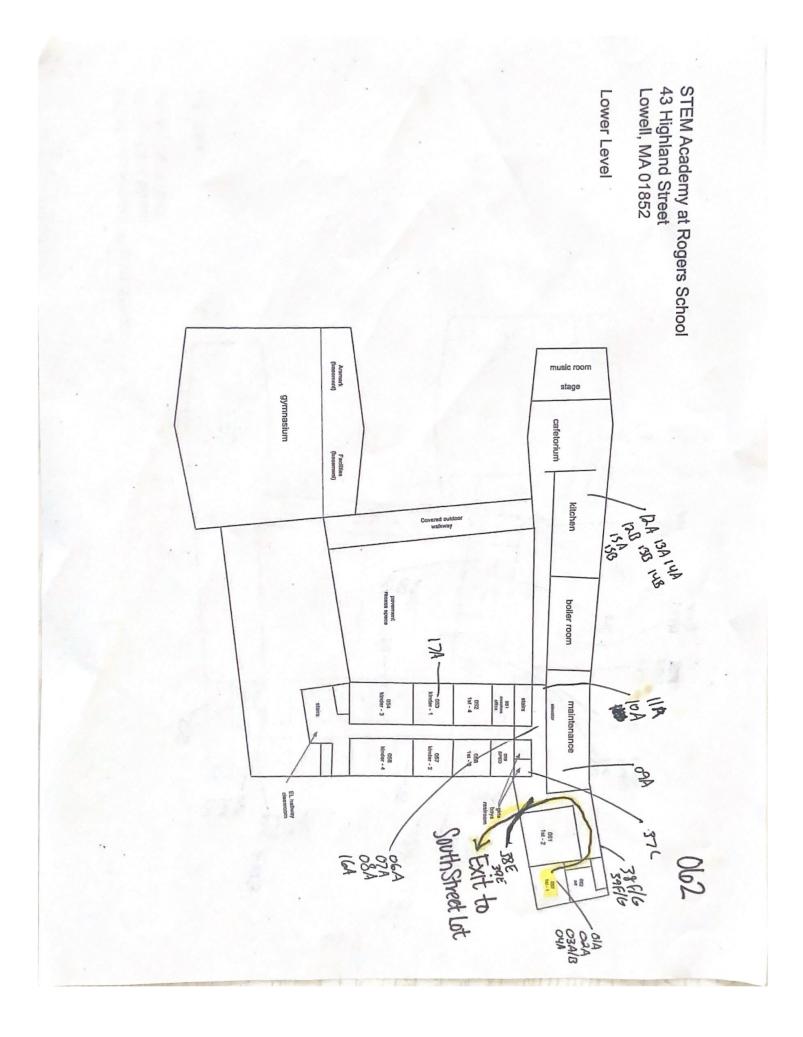
Assumed ACM = This material was identified as an assumed ACM in the Management Plan records and was not sampled during the 2024 Re-inspection. Prior to any planned disturbance by maintenance, renovation, or demolition activities, EFI recommends bulk sampling and analysis to determine asbestos content.

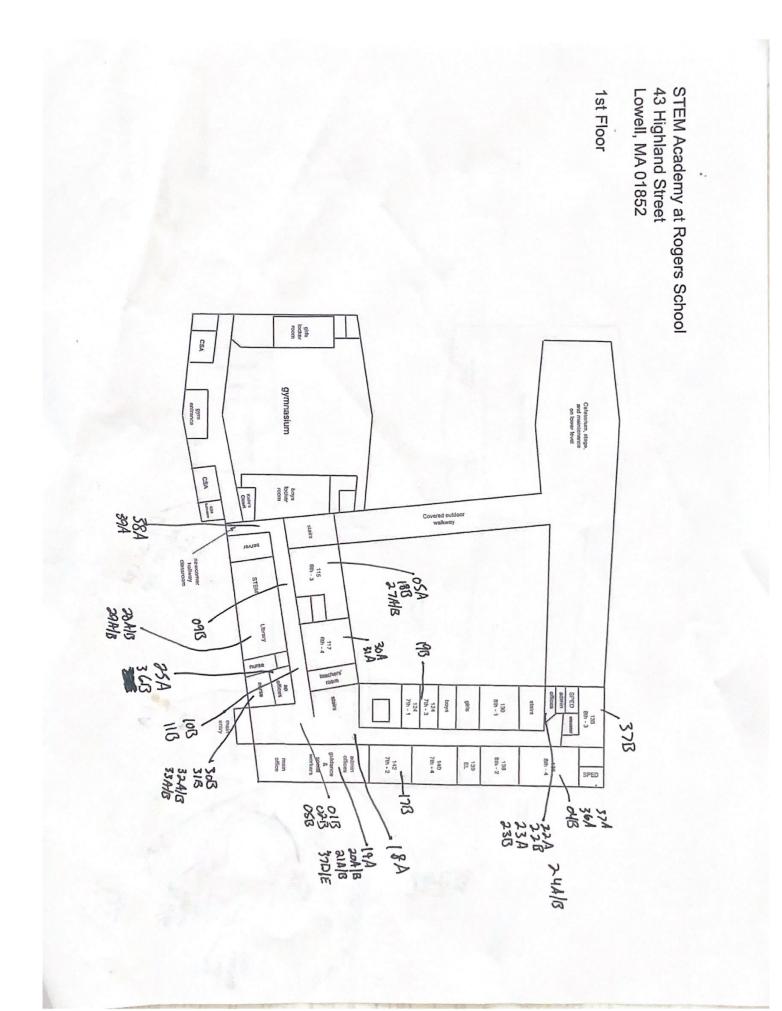
For all recommended response actions other than administrative actions, the work should be conducted by a Massachusetts licensed Asbestos Contractor and a work plan for the specific repair or removal activity should be prepared by a Massachusetts licensed Asbestos Designer.

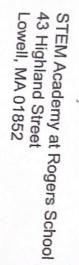
Physical Assessment Category
1 – Damaged or Significantly Damaged Thermal System ACM
2 – Damaged Friable Surfacing ACM
3 – Significantly Damaged Surfacing ACM
4 – Damaged or Significantly Damaged Friable Miscellaneous ACM
5 – ACM with Potential for Damage
6 – ACM with Potential for Significant Damage
7 – Any Remaining friable ACM or friable suspect ACM

ATTACHMENT B

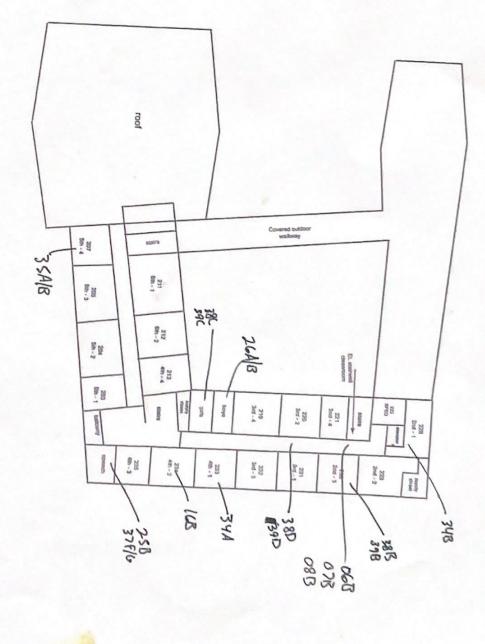
SITE PLANS AND 2024 REINSPECTION ASBESTOS BULK SAMPLE LOCATIONS





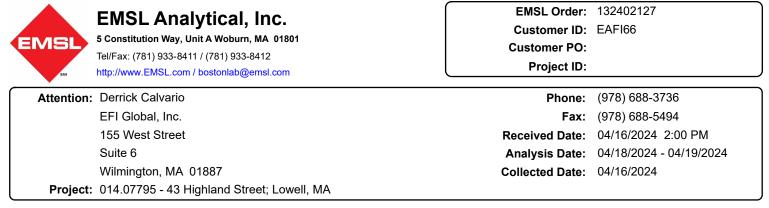


2nd Floor



ATTACHMENT C

2024 REINSPECTION ASBESTOS BULK SAMPLE LABORATORY REPORT



Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbes	stos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре	
D1A 132402127-0001	Room #62 - Lower Level - 12x12 Green w. Green Spec Floor Tile	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
01B 132402127-0002	Room #118 - 1st Floor - 12x12 Green w. Green Spec Floor Tile	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
D2A 132402127-0003	Room #62 - Lower Level - Assoc. Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
)2B 132402127-0004	Room #118 - 1st Floor - Assoc. Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
D3A 132402127-0005	Room #62 - Lower Level - 12x12 Blue w. Blue Spec Floor Tile	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
D3B 132402127-0006	Room #62 - Lower Level - 12x12 Blue w. Blue Spec Floor Tile	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
D4A 132402127-0007	Room #62 - Lower Level - Crows Feet Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected	
04B 132402127-0008	1st Floor - Room #136 - Crows Feet Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected	
05A 132402127-0009	1st Floor - Janitor Closet Room #115 - Pin Hole Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected	
05B 132402127-0010	1st Floor - Room 118 - Pin Hole Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected	
06A 132402127-0011	Lower Level - Hallway Side D - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
D6B	2nd Floor - Hallway Side D - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
07A 132402127-0013	Lower Level - Hallway Side D - Ceramic Tile Adhesive (Tan)	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
07B 132402127-0013	2nd Floor - Hallway Side D - Ceramic Tile Adhesive (Tan)	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
08A 132402127-0015	Lower Level - Hallway Side D - Rough Textured Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected	



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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbes		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
)8B 132402127-0016	2nd Floor - Hallway near Stair #1 - Rough Textured Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
)9A	Lower Level - Room #60 - Green Window	Green Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0017)9B	Caulk 1st Floor - Hallway	Homogeneous Green		100% Non-fibrous (Other)	None Detected
	near 115 - Green	Non-Fibrous			
132402127-0018	Window Caulk	Homogeneous			
10A	Lower Level - Hallway near Custodian Office - Cove Base	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0019	-	Homogeneous			
10B	1st Floor - Main Office Hallway - Cove Base	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0020		Homogeneous			
11A	Lower Level - Hallway near Custodian Office	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0021	- Tan Mastic	Homogeneous		100% Non-fibrous (Other)	None Detector
11B 132402127-0022	1st Floor - Main Office Hallway - Tan Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
	Lower Level - Kitchen	Homogeneous Gray		100% Non-fibrous (Other)	None Detected
12A 132402127-0023	Storage - Thinset assoc. w. Gray	Gray Non-Fibrous Homogeneous			NOTE Delected
	Ceramic Tile				
12B	Lower Level - Kitchen Storage - Thinset	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0024	assoc. w. Gray Ceramic Tile	Homogeneous			
3A	Lower Level - Kitchen Storage - Grout	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0025	assoc. w. Gray Ceramic Tile	Homogeneous			
13B	Lower Level - Kitchen Storage - Grout	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0026	assoc. w. Gray Ceramic Tile	Homogeneous			
14A	Lower Level - Kitchen - Epoxy Flooring	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0027		Homogeneous			
14B	Lower Level - Kitchen - Epoxy Flooring	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0028		Homogeneous			
15A	Lower Level - Kitchen - Smooth Pinhole CT	Gray/White Fibrous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
132402127-0029		Homogeneous			
5B	Lower Level - Kitchen - Smooth Pinhole CT	Gray/White Fibrous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
132402127-0030		Homogeneous			
16A	Lower Level - Hallway near Elevator - Black	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0031	Window Caulk (Interior Brown Windows)	Homogeneous			
16B	2nd Floor - Room	Black		100% Non-fibrous (Other)	None Detected
132402127-0032	#234 - Black Window Caulk (Interior Brown Windows)	Non-Fibrous Homogeneous			

Initial report from: 04/19/2024 12:39:43



Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Comula		A	Non-Asbe		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
17A	Lower Level - Room #53 - Black Sink	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0033	Undercoat	Homogeneous			
I7B	1st Floor - Room #142 - Black Sink	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0034	Undercoat	Homogeneous			
8A	1st Floor - Hallway near Room 143/144 -	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0035	White Caulk on Ceramic Tile Wall	Homogeneous			
8B	1st Floor - Janitors Closet #115 - White	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0036	Caulk on Doorway	Homogeneous			
19A	1st Floor - Room #123 - Tan Caulk on	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0037	Exposed Brick Wall	Homogeneous			
19B	1st Floor - Room #124 - Tan Caulk on	Tan Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0038	Exposed Brick Wall	Homogeneous			
20A	1st Floor - Room #123 - 12x12 White	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0039	w. Spec Floor Tile	Homogeneous			
20B	1st Floor - Room #123 - 12x12 White	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0040	w. Spec Floor Tile	Homogeneous			
21A	1st Floor - Room #123 - 12x12 White	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0041	w. Spec Floor Tile assoc. Yellow Mastic	Homogeneous			
21B	1st Floor - Room #123 - 12x12 White	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0042	w. Spec Floor Tile assoc. Yellow Mastic	Homogeneous			
22A	1st Floor - Room	Yellow		100% Non-fibrous (Other)	None Detected
100107-0010	#131 - Yellow Carpet	Non-Fibrous			
132402127-0043	Mastic	Homogeneous			New Direct
22B	1st Floor - Room #132 - Yellow Carpet	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0044	Mastic	Homogeneous			
23A	1st Floor - Room	Green		100% Non-fibrous (Other)	None Detected
	#131 - Blue/Green	Non-Fibrous		· · ·	
132402127-0045	Floor Tile under Carpet	Homogeneous			
23B	1st Floor - Room #132 - Blue/Green	Green Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0046	Floor Tile under Carpet	Homogeneous			
24A	1st Floor - Room	Black		100% Non-fibrous (Other)	None Detected
132402127-0047	#131 - Assoc. Black Mastic	Non-Fibrous Homogeneous			
				100% Non \$5 (04)	None Data da
24B	1st Floor - Room #132 - Assoc. Black	Black Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0048	Mastic	Homogeneous			
25A	1st Floor - Main Office - Crows Feet Ceiling	Gray/White Fibrous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected
132402127-0049	Tile w. Center Line	Homogeneous			



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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbes	Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре	
25B 132402127-0050	2nd Floor - Room #236 - Crows Feet Ceiling Tile w. Center Line	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected	
26A	1st Floor - Old Boys Locker Room - White	White Non-Fibrous		100% Non-fibrous (Other)	None Detected	
132402127-0051	Caulk (Black Paper)	Homogeneous				
26B 132402127-0052	1st Floor - Old Boys Locker Room - White Caulk (Black Paper)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
27A	1st Floor - Room #115 - Gray Duct	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected	
132402127-0053	Seam Sealant	Homogeneous				
27B 132402127-0054	1st Floor - Room #115 - Gray Duct Seam Sealant	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
28A 132402127-0055	1st Floor - Room #103/Library - 12x12 White Floor Tile w.	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
	Streak	-				
28B 132402127-0056	1st Floor - Room #103/Library - 12x12 White Floor Tile w.	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
	Streak	3				
29A	1st Floor - Room #103/Library - Assoc.	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected	
132402127-0057	Yellow Mastic	Homogeneous			News Detected	
29B 132402127-0058	1st Floor - Room #103/Library - Assoc. Yellow Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
30A	1st Floor - Room	Gray		100% Non-fibrous (Other)	None Detected	
132402127-0059	#117 Left Rear Right Office - 12x12 Gray Floor Tile w. Gray Spec	Non-Fibrous Homogeneous				
30B	1st Floor - Nurse - 12x12 Gray Floor Tile	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected	
132402127-0060 31A	w. Gray Spec 1st Floor - Room	Homogeneous Yellow		100% Non-fibrous (Other)	None Detected	
132402127-0061	#117 Left Rear Right Office - Assoc. Yellow Mastic	Non-Fibrous Homogeneous			None Deletieu	
31B	1st Floor - Nurse - Assoc. Yellow Mastic	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected	
132402127-0062		Homogeneous				
32A	1st Floor - Nurse - Blue/Green Tile under	Green Non-Fibrous		100% Non-fibrous (Other)	None Detected	
132402127-0063	12x12 Gray w. Spec Tile	Homogeneous				
32B	1st Floor - Nurse - Blue/Green Tile under	Green Non-Fibrous		100% Non-fibrous (Other)	None Detected	
132402127-0064	12x12 Gray w. Spec Tile	Homogeneous				
33A	1st Floor - Nurse - Assoc. Yellow Mastic	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected	
132402127-0065		Homogeneous				



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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

	_		Non-Asbe		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
33B 132402127-0066	1st Floor - Nurse - Assoc. Yellow Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34A	2nd Floor - Room #233 - White Window	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0067 34B	Caulk 2nd Floor - Room #226 - White Window	Homogeneous White Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0068 85A	Caulk 2nd Floor - Utility near	Homogeneous Red		100% Non-fibrous (Other)	None Detected
32402127-0069	Room 207 - Red Caulk/Fire Stop	Non-Fibrous Homogeneous			
5B	2nd Floor - Utility near Room 207 - Red	Red Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0070	Caulk/Fire Stop	Homogeneous			
36A 132402127-0071	1st Floor - Room 136 - Gypsum Board	White Non-Fibrous Homogeneous	2% Cellulose 2% Glass	96% Non-fibrous (Other)	None Detected
36B	1st Floor - Assistant Principals Office -	Brown/Gray Fibrous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
132402127-0072	Gypsum Board	Homogeneous			
37A	1st Floor - Room 136 - Joint Compound	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0073		Homogeneous			
37B 32402127-0074	1st Floor - Room 135 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37C	Ground Floor - Room 060 - Joint Compound	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0075		Homogeneous			
37D	Ground Floor - Room 122 - Joint Compound	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0076		Homogeneous			
37E 32402127-0077	1st Floor - Room 123 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37F	2nd Floor - Room 236 - Joint Compound	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0078	ľ	Homogeneous			
37G	2nd Floor - Room 237 - Joint Compound	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0079		Homogeneous			
38A 32402127-0080	1st Floor - Room 101 - Plaster Skim Coat - Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32402727-0080 38B	2nd Floor - Room 230 - Plaster Skim Coat -	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0081	Wall	Homogeneous			
38C	2nd Floor - Girls BR near 207 - Plaster	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0082	Skim Coat - Wall	Homogeneous			
38D	2nd Floor - Hallway near 231 - Plaster	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0083	Skim Coat - Wall	Homogeneous			N. 5
38E 132402127-0084	Lower Level - Hallway near Room 61 - Plaster Skim Coat - Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 04/19/2024 12:39:43



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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-A</u> % Fibrous	<u>sbestos</u> % Non-Fibrous	<u>Asbestos</u> % Type
38F 132402127-0085	Lower Level - Hallway near Door #23 - Plaster Skim Coat -	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38G 132402127-0086	Wall Lower Level - Hallway near Door #23 - Plaster Skim Coat - Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39A	1st Floor - Room 101 - Plaster Base Coat -	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
132402127-0087 39B 132402127-0088	Wall 2nd Floor - Room 203 - Plaster Base Coat - Wall	Homogeneous Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39C 132402127-0089	2nd Floor - Girls BR near 207 - Plaster Base Coat - Wall	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39D 132402127-0090	2nd Floor - Hallway near 231 - Plaster Base Coat - Wall	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39E 132402127-0091	Lower Level - Hallway near Room 61 - Plaster Base Coat - Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39F 132402127-0092	Lower Level - Hallway near Door #23 - Plaster Base Coat - Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39G 32402127-0093	Lower Level - Hallway near Door #23 - Plaster Base Coat - Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10A 132402127-0094	Exterior - Door #2 - Green Exterior Caulk	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10B 32402127-0095	Exterior - Windows - Green Exterior Caulk	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11A 32402127-0096	Exterior - Door #1 - Gray/White Exterior Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1B	Exterior - Door #1 - Gray/White Exterior	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
32402127-0097 I2A 32402127-0098	Caulk Exterior - Door #17 - Old White/Gray Exterior Caulk	Homogeneous Gray/Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
42B 132402127-0099	Exterior Cadix Exterior - Door - Old White/Gray Exterior Caulk	liningginoous			Positive Stop (Not Analyzed)



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Analyst(s)

John McCarthy (98)

P

Steve Grise, Laboratory Manager or Other Approved Signatory

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

Initial report from: 04/19/2024 12:39:43





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BULK SAMPLE CHAIN OF CUSTODY FORM

Report to (Inspector Name):			Bill To:	Accounts Payable	
Company:	EFI Global, Inc.		Address:	Same	
Address	155 West Street		City, State, Zip:	Same	
Address:	Suite 6		Telephone:	800-659-1202	
City, State, Zip:	Wilmington, MA 01887		Email:	US-EFIGlobal-BostonEnv	viroPC@efiglobal.com
Inspector Cell:	781-875-5012	_			
		Proje	ct Information		
Project No./ Description:	014.07795	- 43	Highland St	lavell, MA	
Email Report to:	Demich. Calvaria Cefiglobal. Com				
Alternate:					
	R	equested	d Turnaround Ti	me:	
C RUSH (6hr)	☐ 1 day (24hr)		□ 2 day (48hr)	⊠_3 day (72hr)	🗆 5 day
		Media a	nd Methodolog	y	
Гуре of Analysis:	pen			Check for Positive Stop:	Ŕ
Notes:	Analyze all plaster and joint compound samples		nd samples	Date Collected:	4/16/24

Sample ID	Type of Material	Location
OIA	12x 12 grown w/ green spec flows the	Rm #62 - lower level
OB	11 //	Rn. # 118 - K+-Inar
02A	associated black mustic	Rn#62 - lower level
023	1, 1/	RmH 118 - tomatice 1st their
03A	12912 blue w/ blue spec floor time	Rm#62 - Jowes level
03B	11 //	\\ <i>\</i> (
044	Crows feet Ceiling tile	Pm#62 - lover revel
0413	11 //	197 floor 136
05A	Pin hole Ceiling til	1 St flow - Janitar Closet Run # 115
OSB	1 11	1St flow - Rm/18
Total Number of	Samples Submitted:9	
blers Name:	Denich Calvasio Sample	ers Signature
Relinquished By	(Client):	Date: 4/16/24Time:
Received By (La	b):APR 16 2024	Date: Time:

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(S) efi global 132402127

Sample ID	Type of Material	Location
	104	i ford ~
06A	Cesaric tite grout	Haliwal Side D
06B		2nd flow - Hallwall SideD
074	the Ceramic tile adhesive (tan)	lower level - hoow of Side D
073		2nd floor - Hummon/ Side D
08A	Rough texture Celling tike	10 wer level - hanway Side D
08B	11 //	2n2 fl - hallway New Stair +1
09A	Green window Caulk	lower level - Rm #60
09B	11 11	2012 1 - Const 23 15+ floor - halkney new
10A	Grow Car base	lower level - Hallway near Custo bien office
103		1st floor - Main office harnway
114	Tan Mastic	lower level - Hallway near Custodian office
11/3	N. //	1St floor - Main office hallway
12A	Thinset assoc u/ Brey Granictile	Love level - Kitchen Storage
- 12B	11 N	N · · · ·
13A	Growt assoc. W/Gray Gramia Tile	
IBB	<i>i</i> .	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
IUA	Epoxy Flooring	Lower Level - Kitchen
IUB		it //
ISA	Smooth Pinhole CT	Voner Level - Kitcher
ISB	л л	(* 4
16A	Black window Caulk (Interior brown wind	as Laver level - hollway elevator
16B	1 1	
17A	Bluck Sink under Coat	Inver level - Em#53
17B		15 - hallwed ist Shor Rom # 149
18/1	White Canthe on Ceramic Hill Wall	15+ flow - howevery Rm# 143/144
183	1 () on door way we	15t flour - Janitus Coult of 115
194	Tan Caulk on exposite brick wall	14 flow - Rm# 123
193	11 1/	15+ flast - Rm# 124
0 20A	12×12 white w/spec floor the	157 flow - RM # 123
ZOB	1' \$200 <i>(1</i>	
<u> </u>	EMSL-BOSTON APR 16 2024	
	Page of	
	Page 2 Of 4	



Sample ID	Type of Material	Location
ZIA	associated yellow mastic	1St floor - Rm # 123
ZB	11 (1	tt //
224	Xellow Caspet mastic	15+ floor - Rm # 131
22B	ίι <i>μ</i>	- Rm # 132
23A	Blue Green flow the under Copet	- Rm# 131
23B	11 1/	- Rm# 132
241	associated black mastic	- Rm# 131
2413	l' //	V - Rm# 132
25A	Crows feet Ceilingtie w/ Center line	1st flow- Main office
25B	u //	2nd floor - Rm# 236
26A	white Caulk (black PAN)	1St \$1005- by's locar from
26B	m 17	11
27A	grey duct Sam Seilant	19- flow - Rm#115
27B	n //	nd())
28A	12x12 while flow tice w/ strack	1st floer - Rout los/library
283	K (/	- Pm# /
29A	associatie Yellow mestic	- Rm#
29B	() (/	- Prot V
30A	12×12 grey flow the W/ grey spec	1st floor - Rm # 1178 left ros Dibtor
Зов	ц <i>()</i>	- Bout NURSE
3/A	associate Yellow mestic	- Rom# 117BIESt rear risht o
3/13		- forth Murse
32A	Hue /green tick under 124012 grey w/spec the	
32B	I(//	1 - 1
	associated pellaw mestic	~
3313	ii le	
34/4	White Winter Caulk	2na floor - Rnith 233
34B	11 //	2nd floor - Rn# 226
35A	Red Caulh Fire stop	and floor - utility near 207
35B	1: 000 11	(c //

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Sample ID	Type of Material	Location
364	GYPSUM BOATZ -	2d Floor - Room 136
36B	n le -	1st floor - assistant Principals office
37A	Joint ComPaule-	2st Floor - Room 136
37B	ų <i>l</i> , -	11 - Room 135
376	n // -	Ground Floor - Room 060
370	1, 1/ ~	11 - Room 122
3DE	1) II ~	1St floor = Room 123
37F	· // ~	2nd Floor - Room 236
376	1· // _	11 - Room 237
38A	Plaster Stein Coat-Wall	1st Floor - Room 101
38B	11 // -	2nd floor - Room 230
38C	11 // ~]	- girls BR near 202
38D	11 1 - 1	- Harrway mear 231
38E	11 11 - Wall	laveslevel - Hallwey near Room 61
38 F	11 /1 ~	- Hallway near boar #23
386	1. 11 - 1	1 - 11 11
39A	Plasta Base Coat - Wall	201 Floor - Roon 101
3913	11 - 1	2nd floor - Room 2300
390	h // L	- girls BR new 207
390	h 11 - L	- Hallway rear 231
39E	11 /1 - Wall	Laver level - Hallwayneer Room 61
39F	Ŋ // ∽)	- Hallwayner door #23
396	i' 11	V //
Yat	Green ockner Caulk	Extensor - down #2
YOB	ii <i>11</i>	Externer - windows
411	white extention Caulu	Diferer - door #1
41B	u it	- deal #1
42A	white/gray exterior Cawk	- dav(#17
YEB	ц	- davr
	SYY)	

Page 4 Of 4

ATTACHMENT D

LICENSES AND TRAINING CERTIFICATES OF ASBESTOS INSPECTOR & MANAGEMENT PLANNER





This is to certify that

Derrick W. Calvario

39 Valleywood Road, Hopkinton, MA 01748 MA DLS Asbestos Inspector License# AI900703



has completed requisite training by Video Conference, and has passed an examination for reaccreditation as:

Asbestos Inspector Refresher pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Zoom Video Conference Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

August 3, 2023

Course Dates

23-4811-106-265405

Certificate Number

August 03, 2023

Examination Date

August 03, 2024

Expiration Date

athan 8

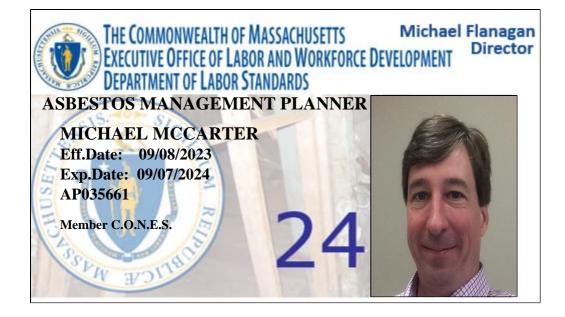
Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION





This is to certify that

Michael L. McCarter

7 Millstone Road, Windham, NH 03087 MA DLS Asbestos Management Planner License# AP035661



has completed the requisite training by Video Conference, and has passed an examination for reaccreditation

Asbestos Management Planner Refresher pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Zoom Video Conference Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

March 21, 2024

Course Dates

24-5264-136-219102

Certificate Number

March 21, 2024

Examination Date

March 21, 2025

Expiration Date

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Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION