

March 22, 2024

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

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

**RE: AHERA 3-Year Reinspection
Bartlett School
79 Wannalancit Street
Lowell, Massachusetts
EFI Project No. 014.07795**

Dear Rick:

EFI Global Inc. (EFI) is pleased to present this AHERA 3-Year Reinspection Report prepared for the Bartlett School located at 79 Wannalancit Street, Lowell, Massachusetts (Site). The reinspection site visit was conducted on February 23, 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 for review. EFI relied upon the 2020 table of identified ACM along with visual assessment and bulk sampling of new materials 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



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

AHERA 3-YEAR REINSPECTION

FOR:

**BARTLETT SCHOOL
79 WANNALANCIT STREET
LOWELL, MASSACHUSETTS**

PREPARED BY:



**155 WEST STREET, SUITE 6
WILMINGTON, MASSACHUSETTS 01887**

EFI PROJECT NUMBER 014.07795

March 22, 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 Re-inspection 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) and any not previously identified suspect ACM, regardless of whether or not these areas were included in the original inspection and management plan, in each school building that they lease, own, or otherwise use 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 Bartlett School, which involved determining the condition and hazard potential of previously identified ACMs and newly identified ACMs. The 3-year re-inspection was conducted on February 20, 2024, by Derrick Calvario and Emma Cypherd, both EPA accredited, and Massachusetts Department of Labor Standards (MADLS) licensed Asbestos Inspectors, (license number AI-001825) and (license number AI-001825) respectively. EFI relied upon the 2020 table of identified ACM along with visual assessment and bulk sampling of new materials for this reinspection. The original AHERA Management Plan and subsequent records were not made available at the school for review. The original AHERA Management Plan and subsequent records were not made available at the school for review. The recommended response actions were prepared by MADLS-licensed Asbestos Management Planner Michael McCarter (AP-035661).

A summary of known and assumed ACM within the Bartlett School 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 Bartlett School 79 Wannalancit 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 offices for review. The Cardo ATC 2014 3-Year Reinspection and Updated Management Plan is posted on the schools web site. EFI also relied upon in-house records from the 2017 and 2020 reinspections.
Designated Person (John Sostilio) Training Records	No	No records available at the school or administrative offices for review. Designated Person should receive formal designated person training or review the Designated Person Self Study Guide (available at https://www.epa.gov/sites/default/files/2015-01/documents/dp_study_guide_0.pdf).
Custodial Personnel 2-hour Awareness Training Records	No	No records available at the school or administrative offices for review.
Annual Parental Notification Records	No	No records available at the school or administrative offices for review. Annual notification letters should be sent, 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 offices for review.
Designated Person True and Correct Statement	No	No records available at the school or administrative offices for review.
6-month Surveillance Inspection Records	No	No records available at the school or administrative offices for review.
Previous 3-Year Reinspection Records	Yes	No records available at the school or administrative offices for review.
Asbestos Labels present (required in routine maintenance areas)	No	No labels 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:

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

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

Miscellaneous Materials: 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. Damaged Surfacing ACM: 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. Significantly Damaged ACM: 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. Good Condition ACM: ACM with no visible damage or deterioration in less than one percent of the material and/or coverings.
 - d. ACM with potential for damage: 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 Bartlett School are located in **Attachment A**. The following are general recommendations for response actions associated with managing ACMs at the school.

1. 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 School to use licensed asbestos contractors for all response action work.
2. AHERA regulations state 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 abatement 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 six-month periodic surveillance.
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 Bartlett School 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



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

F. Asbestos Bulk Sampling

Asbestos bulk sampling of suspect ACM was performed in areas not previously included in the AHERA program by USEPA-accredited and MADLS licensed Asbestos Inspector Derrick Calvario and Emma Cypherd. A total of 43 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 were reported by EMSL as containing no detectable concentration of asbestos:

Material Description	Location(s) Sampled
2' x 2' Crows Feet Ceiling Tile	Room 3, Teachers Work Room
Pinhole Ceiling Tile	Boys Locker Room, Library
Rough Texture Ceiling Tile	1 st Floor Hallway, Cafeteria
Cove Base	Near Door 7, Room Page (2 nd Floor)
Tan Cove Base Mastic	Near Door 7, Room Page (2 nd Floor)
1' x 1' Gray w/ Black and White Spec. Floor Tile	Room 24, PDD Room
1' x 1' Light Blue w/ Blue Spec. Floor Tile	Room 10, Room 7
1' x 1' Dark Blue w/ Blue Spec. Accent Floor Tile	Room 10, Room 40
1' x 1' White w/ Blue Spec. Floor Tile	1 st Floor Hallway, Cafeteria, Basement Hallway, Room 1, Bathroom near Room 6
1' x 1' Red Accent Floor Tile	1 st Floor Hallway near Room 19/17, Hallway Front Entrance
1' x 1' Black Accent Floor Tile	1 st Floor Hallway near Room 19/17, Hallway Front Entrance
Yellow Carpet Mastic	Room next to Library
Yellow Tile Mastic	Cafeteria, 2 nd Floor Library

Material Description	Location(s) Sampled
Black Tile Mastic	Hallway near Room 11, PDD Room
Ceramic Tile Grout	Girls Locker Room, Health Room
Vinyl Flooring	Waiting Area, Storage off Waiting Area
Tan Epoxy Flooring	Kitchen
Gypsum Board	Cafeteria
Joint Compound	Cafeteria, Room 1, Hallway/Front Entrance, Health Room, Hallway near Elevator, Teachers work Room, Room 41
Green/Black Window Caulking	Interior near Room 17, Interior near Room 211
Black/Green Door Caulking	Exterior Front Entrance, Exterior Side Entrance

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 assessment must be maintained in place in accordance with the Operations and Maintenance Plan. Estimated costs associated with managing ACMs at the school are summarized below.

Cost Estimate of AHERA Considerations Bartlett School 79 Wannalancit 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
No cost associated with the recommended response actions for notification of ACM plaster wall and ceiling materials	-

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 Bartlett School 79 Wannalancit Street, Lowell, Massachusetts	
Event	Completion Date
Notify occupants of ACM wall and ceiling plater as noted in the Summary Table of Identified and Assumed ACMs.	By April 30, 2024 and annually thereafter
6 Month Surveillance Inspection	August 22, 2024
Annual Parental Notification Letter	September 1, 2024
6 Month Surveillance Inspection	February 22, 2025
6 Month Surveillance Inspection	August 22, 2025
Annual Parental Notification Letter	September 1, 2025
6 Month Surveillance Inspection	February 22, 2026
6 Month Surveillance Inspection	August 22, 2026
Annual Parental Notification Letter	September 1, 2026
3 Year Reinspection	February 22, 2027

ATTACHMENT A

AHERA SUMMARY TABLE

AHERA 3 Year Re-Inspection Summary Table
 Bartlett Community Partnership School
 Summary Table of Identified and Assumed Asbestos-Containing Building Materials
 79 Wannalancit Street, Lowell, MA
 Dates of Inspection: 2/23/2024

Item	Material Description	Location	Approximate Quantity	Friability (F/NF)	Sample Results	Assessment Category	Condition	Response Actions/ Notes	Recommended Completion Date
1	Pipe Insulation	Basement – Boiler Room	15 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.	
2	Bumpy Plaster Wall/Ceiling	Basement – Room 3 (Classroom)	200 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
3	Bumpy Plaster Wall/Ceiling	Basement – Room 7 (Classroom)	96 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
4	Bumpy Plaster Walls	1 st Floor -Hallway Outside Room 16 (Classroom)	200 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
5	Bumpy Plaster Walls	1 st Floor – Hallway Outside Room 20 (Classroom)	50 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
6	Bumpy Plaster Walls	1 st Floor – Hallway Outside Room 23 (Classroom)	300 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
7	Bumpy Plaster Walls	1 st Floor – Room 23 (Classroom)	96 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
8	Bumpy Plaster Walls	1 st Floor – Room 23A (Office)	50 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter

AHERA 3 Year Re-Inspection Summary Table
 Bartlett Community Partnership School
 Summary Table of Identified and Assumed Asbestos-Containing Building Materials
 79 Wannalancit Street, Lowell, MA
 Dates of Inspection: 2/23/2024

Item	Material Description	Location	Approximate Quantity	Friability (F/NF)	Sample Results	Assessment Category	Condition	Response Actions/ Notes	Recommended Completion Date
9	Bumpy Plaster Walls	1 st Floor – Room 24 (Classroom)	100 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
10	Bumpy Plaster Walls	1 st Floor – Room 25 (Classroom)	96 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
11	Bumpy Plaster Walls	Main Office Level – Front Office	25 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
12	Bumpy Plaster Walls	Main Office Level – Nurse’s Office	25 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
13	Bumpy Plaster Walls	Main Office Level – Assistant Principal’s Office	25 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
14	Bumpy Plaster Walls	Main Office Level – Hallway at Assistant Principal’s Office	475 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
15	Bumpy Plaster Walls	Main Office Level – Guidance Suite	475 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter

AHERA 3 Year Re-Inspection Summary Table
 Bartlett Community Partnership School
 Summary Table of Identified and Assumed Asbestos-Containing Building Materials
 79 Wannalancit Street, Lowell, MA
 Dates of Inspection: 2/23/2024

Item	Material Description	Location	Approximate Quantity	Friability (F/NF)	Sample Results	Assessment Category	Condition	Response Actions/ Notes	Recommended Completion Date
16	Bumpy Plaster Walls	Main Office Level – Hallway at Room 36 (Classroom)	475 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
17	Bumpy Plaster Walls	Main Office Level – Room 30 (Classroom)	50 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
18	Bumpy Plaster Walls	Main Office Level – Room 31 (Classroom)	50 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
19	Bumpy Plaster Walls	Main Office Level – Room 32 (Classroom)	75 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
20	Bumpy Plaster Walls	Main Office Level – Room 36 (Classroom)	75 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
21	Bumpy Plaster Walls	Main Office Level – Room 37 (Classroom)	75 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
22	Bumpy Plaster Wall/Ceiling	2 nd Floor – Library	200 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter

AHERA 3 Year Re-Inspection Summary Table
 Bartlett Community Partnership School
 Summary Table of Identified and Assumed Asbestos-Containing Building Materials
 79 Wannalancit Street, Lowell, MA
 Dates of Inspection: 2/23/2024

Item	Material Description	Location	Approximate Quantity	Friability (F/NF)	Sample Results	Assessment Category	Condition	Response Actions/ Notes	Recommended Completion Date
23	Bumpy Plaster Wall/Ceiling	2 nd Floor – Library Office	200 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
24	Bumpy Plaster Walls	2 nd Floor – Hallway at Room 45 (Classroom)	500 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
25	Bumpy Plaster Walls	2 nd Floor – Hallway at Room 47 (Classroom)	300 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
26	Bumpy Plaster Walls	2 nd Floor –Room 40 (Classroom)	100 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
27	Bumpy Plaster Walls	2 nd Floor –Room 41 (Classroom)	100 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
28	Bumpy Plaster Walls	2 nd Floor –Room 42 (Classroom)	100 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
29	Bumpy Plaster Walls	2 nd Floor –Room 43 (Classroom)	100 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter

AHERA 3 Year Re-Inspection Summary Table
Bartlett Community Partnership School
Summary Table of Identified and Assumed Asbestos-Containing Building Materials
79 Wannalancit Street, Lowell, MA
Dates of Inspection: 2/23/2024

Item	Material Description	Location	Approximate Quantity	Friability (F/NF)	Sample Results	Assessment Category	Condition	Response Actions/ Notes	Recommended Completion Date
30	Bumpy Plaster Walls	2 nd Floor –Room 44 (Classroom)	100 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
31	Bumpy Plaster Walls	2 nd Floor –Room 45 (Classroom)	100 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
32	Bumpy Plaster Walls	2 nd Floor –Room 47 (Classroom)	75 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter
33	Bumpy Plaster Walls	2 nd Floor –Room 48 (Classroom)	75 SF	NF	Positive per Management Plan records, (note that gypsum Board and joint compound behind the bumpy plaster is non-ACM)	6	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&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 April 30, 2024, and annually thereafter

SF = Square Feet

Assumed ACM = This material was not identified 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, 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 LOCATION PLANS

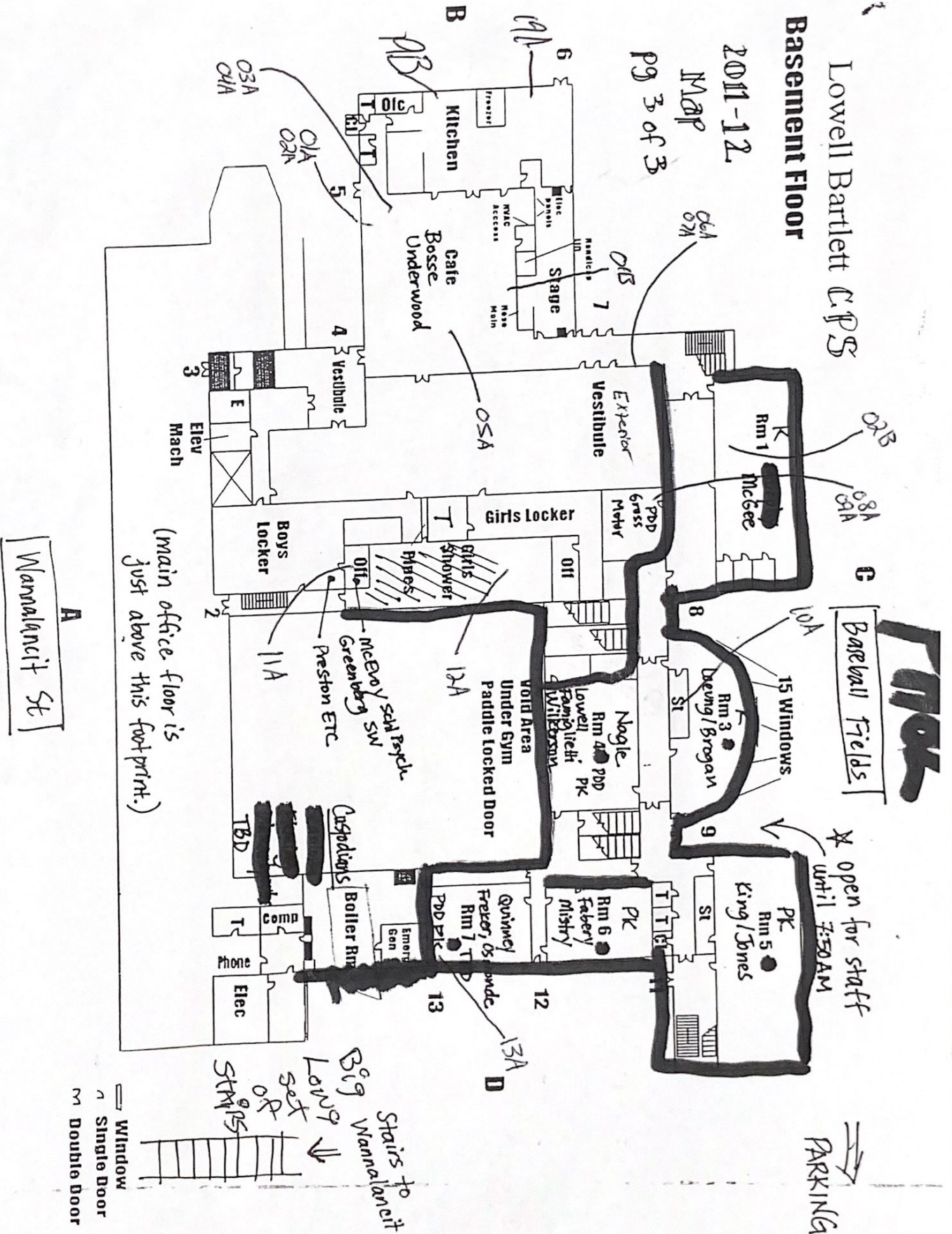
Lowell Bartlett CPS

Basement Floor

2011-12

MAP

Pg 3 of 3



Lowell Bartlett CHS

2011-12

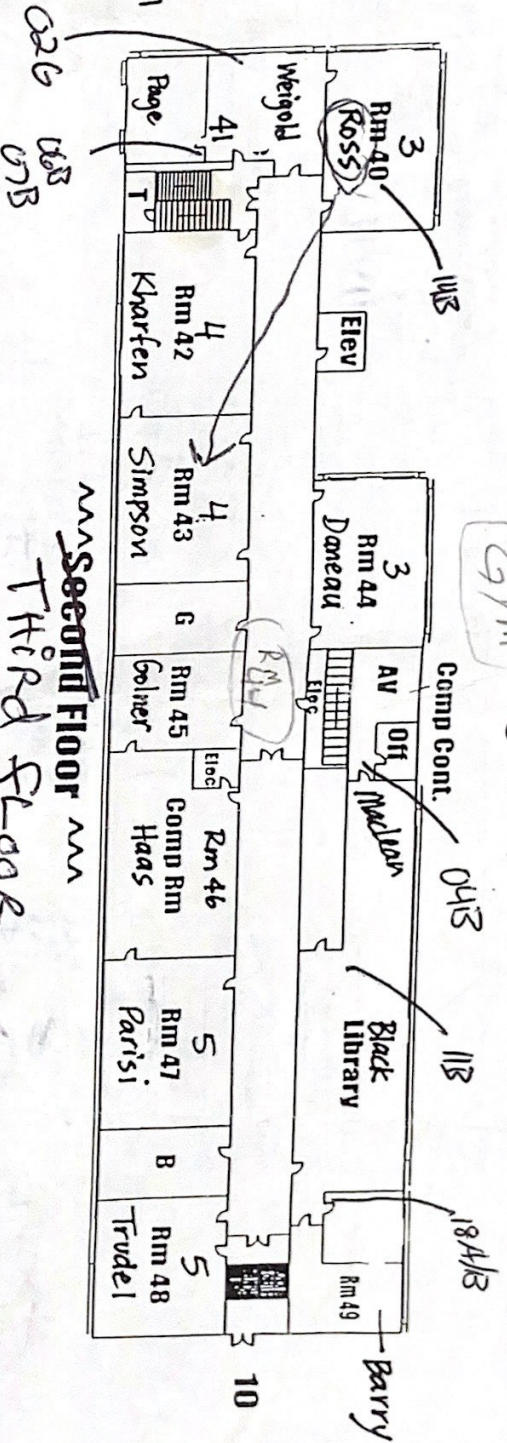
MAP

Pg. 1 of 3

DS of 8/25/2011

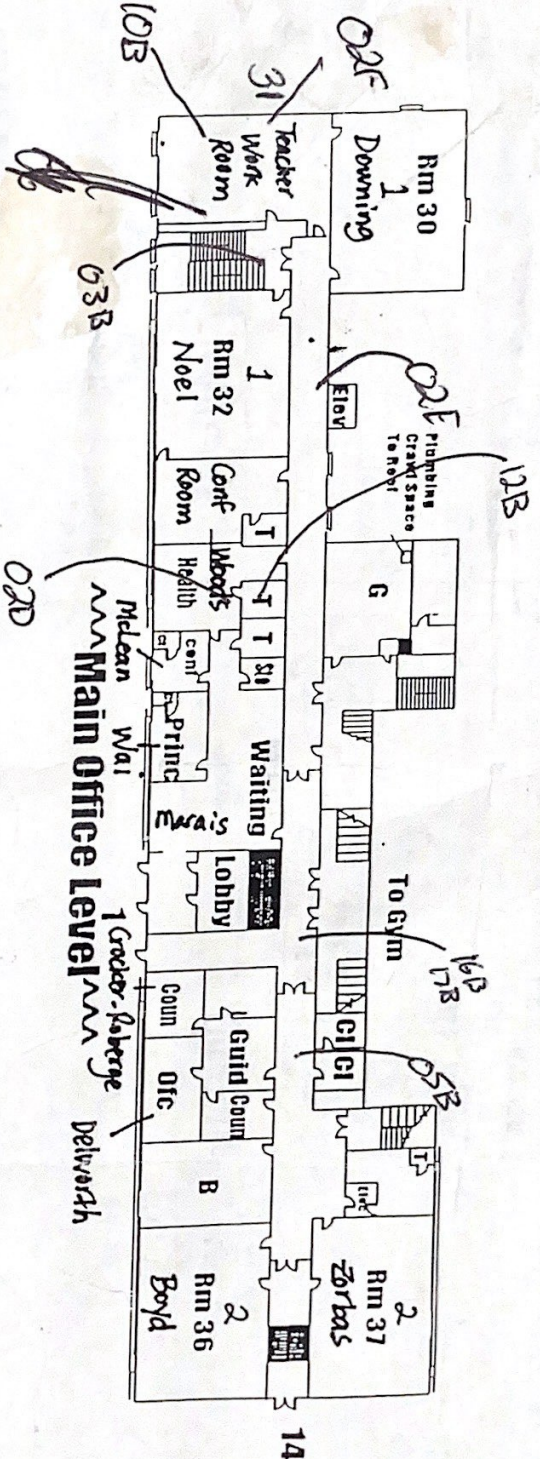
2nd
GYM

G



B

D



A

Window
Single Door
Double Door

Lowell Bartlett CPS

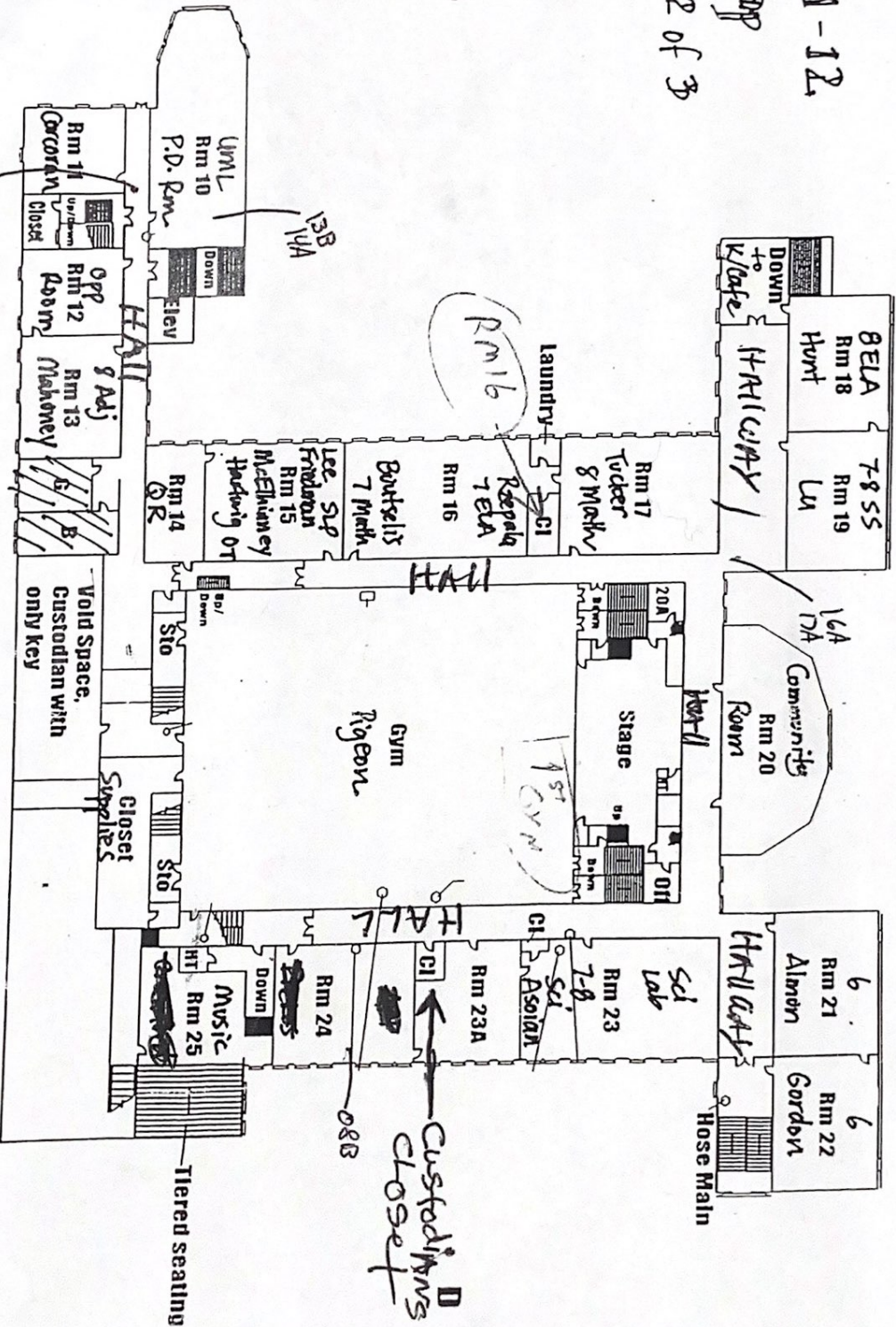
"Loop Floor"

First Floor

2011-12

Map

Pg. 2 of 3



ATTACHMENT C

2024 REINSPECTION ASBESTOS BULK SAMPLE REPORTS



EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

<http://www.EMSL.com> / bostonlab@emsl.com

EMSL Order: 132401074

Customer ID: EAFI66

Customer PO:

Project ID:

Attention: Derrick Calvario

EFI Global, Inc.

155 West Street

Suite 6

Wilmington, MA 01887

Phone: (978) 688-3736

Fax: (978) 688-5494

Received Date: 02/23/2024 11:50 AM

Analysis Date: 02/26/2024

Collected Date: 02/23/2024

Project: 014.07795 - Bartlett School; 79 Wannalancit Street; Lowell, MA

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	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
01A <small>132401074-0001</small>	Cafeteria (Basement) - Gypsum Board	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
01B <small>132401074-0002</small>	Cafeteria (Basement) - Gypsum Board	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
02A <small>132401074-0003</small>	Cafeteria (Basement) - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B <small>132401074-0004</small>	Room 1 BR (Basement) - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02C <small>132401074-0005</small>	Hallway/Front Entrance (Main Office Level) - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02D <small>132401074-0006</small>	Health Room (Main Office Level) - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02E <small>132401074-0007</small>	Hallway near Elevator (Main Office Level) - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02F <small>132401074-0008</small>	Teachers Work Room (Main Office Level) - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02G <small>132401074-0009</small>	Room 41 (2nd Floor) - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03A <small>132401074-0010</small>	Cafeteria (Basement) - 12x12 White w. Black Spec	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03B <small>132401074-0011</small>	Staircase near Room 32 (Main Office Level) - 12x12 White w. Black Spec	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04A <small>132401074-0012</small>	Cafeteria (Basement) - Yellow Mastic (Tile Mastic)	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04B <small>132401074-0013</small>	Library/Threshold (2nd Floor) - Yellow Mastic (Tile Mastic)	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05A <small>132401074-0014</small>	Cafeteria (Basement) - Ceiling Tile "Rough"	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected
05B <small>132401074-0015</small>	Hallway (Main Office Level) - Ceiling Tile "Rough"	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected

Initial report from: 02/27/2024 15:41:56



EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

<http://www.EMSL.com / bostonlab@emsl.com>

EMSL Order: 132401074

Customer ID: EAFI66

Customer PO:

Project ID:

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	% Fibrous	Non-Asbestos	Asbestos
				% Non-Fibrous	% Type
06A 132401074-0016	Near Door 7 (Basement) - Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06B 132401074-0017	Room Page (2nd Floor) - Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07A 132401074-0018	Near Door 7 (Basement) - Cove Base Tan Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07B 132401074-0019	Room Page (2nd Floor) - Cove Base Tan Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08A 132401074-0020	PDD Room (Basement) - 12x12 Gray w. Black & White Spec	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08B 132401074-0021	Room 24 (1st Floor) - 12x12 Gray w. Black & White Spec	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09A 132401074-0022	PDD Room (Basement) - Black Tile Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09B 132401074-0023	Hallway near Room 11 (1st Floor) - Black Tile Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10A 132401074-0024	Room 3 BR (Basement) - Ceiling Tile "Crows Feet"	Gray/White Fibrous Homogeneous	45% Cellulose 40% Min. Wool	15% Non-fibrous (Other)	None Detected
10B 132401074-0025	Teachers Work Room (Main Office Level) - Ceiling Tile "Crows Feet"	Gray/White Fibrous Homogeneous	45% Cellulose 40% Min. Wool	15% Non-fibrous (Other)	None Detected
11A 132401074-0026	Boys Locker Room Office (Basement) - Ceiling Tile "Pinhole"	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected
11B 132401074-0027	Library (2nd Floor) - Ceiling Tile "Pinhole"	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (Other)	None Detected
12A 132401074-0028	Girls Locker Room (Basement) - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12B 132401074-0029	Health Room (Main Office Level) - Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13A 132401074-0030	Room 7 (Basement) - 12x12 Light Blue w. Blue Spec	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13B 132401074-0031	Room 10 (1st Floor) - 12x12 Light Blue w. Blue Spec	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14A 132401074-0032	Room 10 (1st Floor) - 12x12 Dark Blue Accent Tile w. Blue Spec	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14B 132401074-0033	Room 40 (2nd Floor) - 12x12 Dark Blue Accent Tile w. Blue Spec	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/27/2024 15:41:56



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Tel/Fax: (781) 933-8411 / (781) 933-8412

<http://www.EMSL.com> / bostonlab@emsl.com

EMSL Order: 132401074

Customer ID: EAFI66

Customer PO:

Project ID:

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	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16A 132401074-0034	Hallway near Room 19/17 (1st Floor) - 12x12 Red Accent Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16B 132401074-0035	Hallway Front Entrance (Main Office Level) - 12x12 Red Accent Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17A 132401074-0036	Hallway near Room 19/17 (1st Floor) - 12x12 Black Accent Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17B 132401074-0037	Hallway Front Entrance (Main Office Level) - 12x12 Black Accent Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18A 132401074-0038	Room next to Library (2nd Floor) - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18B 132401074-0039	Room next to Library (2nd Floor) - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19A 132401074-0040	Kitchen (Basement) - Epoxy Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19B 132401074-0041	Kitchen (Basement) - Epoxy Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20A 132401074-0042	Interior Windows (Green) near Room 211 - Black Window Caulk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20B 132401074-0043	Interior Windows (Green) near Room 17 - Black Window Caulk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21A 132401074-0044	Front Entrance Exterior - Black/Green Door Caulk	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21B 132401074-0045	Side Entrance Exterior - Black/Green Door Caulk	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

<http://www.EMSL.com> / bostonlab@emsl.com

EMSL Order: 132401074

Customer ID: EAFI66

Customer PO:

Project ID:

Analyst(s)

John McCarthy (45)

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

Initial report from: 02/27/2024 15:41:56



132401074

BOSTON NORTH

155 West Street | Suite 6 | Wilmington, MA 01887 | PHONE 978.688.3736 | FAX 978.688.5494 | FREE 800.659.1202

BULK SAMPLE CHAIN OF CUSTODY FORM

Report to (Inspector Name):	Derrick Calvario	Bill To:	Accounts Payable
Company:	EFI Global, Inc.	Address:	Same
Address:	155 West Street Suite 6	City, State, Zip:	Same
City, State, Zip:	Wilmington, MA 01887	Telephone:	800-659-1202
Inspector Cell:	781-825-5012	Email:	US-EFIGlobal-BostonEnviroPC@efiglobal.com
Project Information			
Project No./ Description:	014,07795 - Barrett School - 79 Wannalancit St. Lowell, MA		
Email Report to:	Derrick.Calvario@efiglobal.com		
Alternate:			
Requested Turnaround Time:			
<input type="checkbox"/> RUSH (6hr)	<input type="checkbox"/> 1 day (24hr)	<input type="checkbox"/> 2 day (48hr)	<input checked="" type="checkbox"/> 3 day (72hr)
<input type="checkbox"/> 5 day			
Media and Methodology			
Type of Analysis:	PLM		Check for Positive Stop: <input checked="" type="checkbox"/>
Notes:	Analyze all plaster and joint compound samples		Date Collected: 2/23/24

Sample ID	Type of Material	Location
01A	gypsum board	Cafeteria (Basement)
01B	" "	" "
02A	Joint Compound	Cafeteria (Basement)
02B	" "	Rm 1 BR (Basement)
02C	" "	Hallway/entrance (main office level)
02D	" "	Health Rm (main office level)
02E	" "	Hallway near elevator (main office level)
02F	" "	Teachers work Rm (main office level)
02G	" "	Rm 41 (2nd floor)

Total Number of Samples Submitted: 45

Samplers Name: Derrick Calvario Samplers Signature:

Relinquished By (Client): Date: 2/23/24 Time: —

Received By (Lab): Date: — Time: —

Sample ID	Type of Material	Location
03A	12x12 white w/ black spec	Cafeteria (Basement)
03B	" "	Staircase near rm 32 (main office level)
04A	Yellow mastic (h/c mastic)	Cafeteria (Basement)
04B	" "	Library / threshold (2nd floor)
05A	Ceiling tile "rough"	Cafeteria (Basement)
05B	" "	Hallway (main office level)
06A	Cove base	near door 7 (Basement)
06B	" "	Rm Page (2nd floor)
07A	Cove base tan mastic	near door 7 (Basement)
07B	" "	Rm Page (2nd floor)
08A	12x12 gray w/ black and white spec	PDD Rm (Basement)
08B	" "	Rm 24 (1st floor)
09A	associated black tile mastic	PDDRm (Basement)
09B	" "	Hallway near rm 11 (1st floor)
10A	Ceiling tile "Crows feet"	Rm 3 BR (Basement)
10B	" "	teachers work Rm (main office level)
11A	Ceiling tile "Pinhole"	Boys locker room office (Basement)
11B	" "	Library (2nd floor)
12A	Ceramic tile grout	girls locker room (Basement)
12B	" "	Health Rm (main office level)
13A	12x12 light blue w/ blue spec	Rm 7 (Basement)
13B	" "	Rm 10 (1st floor)
14A	12x12 dark blue accent tile w/ blue spec	Rm 10 (1st floor)
14B	" "	Rm 40 (2nd floor)
15A	12x12 light blue accent tile w/ blue spec	Hallway near rm 10 (1st floor)
15B	" "	" "
16A	12x12 red accent tile	Hallway near rm 19/17 (1st floor)
16B	" "	Hallway front entrance (main office level)
17A	12x12 black accent tile	Hallway near rm 19/17 (1st floor)
17B	" "	Hallway front entrance (main office level)

 REC'D
 EMS/BOSTON

FEB 23 2024

REC'D _____
FEB 23 2024
EMS-BOSTON

ATTACHMENT D

LICENSES AND TRAINING CERTIFICATES OF ASBESTOS INSPECTOR & MANAGEMENT PLANNER



THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Michael Flanagan
Director

ASBESTOS INSPECTOR

DERRICK W. CALVARIO

Eff.Date: 11/03/2023

Exp.Date: 11/02/2024

AI900703

Member C.O.N.E.S.

WB - NEW

24





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

Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION



THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Michael Flanagan
Director

ASBESTOS MANAGEMENT PLANNER

MICHAEL MCCARTER

Eff.Date: 09/08/2023

Exp.Date: 09/07/2024

AP035661

Member C.O.N.E.S.



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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

April 21, 2023

Course Dates

23-4930-136-219102

Certificate Number

April 21, 2023

Examination Date

April 21, 2024

Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

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