

Six-Month AHERA Periodic Surveillance

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

Sandwich Public Schools
Sandwich, Massachusetts

March 2018



FUSS & O'NEILL
EnviroScience, LLC

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



FUSS & O'NEILL
EnviroScience, LLC

March 28, 2018

Mr. Jon Nelson
Facilities and Grounds
Sandwich Public Schools
33 Water Street
Sandwich, MA 02563

RE: **Six-Month AHERA Periodic Surveillance**
Surveillance Date: March 2018
Sandwich Public School District
Fuss & O'Neill EnviroScience No. 20160762.A8E

Dear Mr. Nelson:

Enclosed is the Six-Month AHERA Periodic Surveillance report prepared by Fuss & O'Neill EnviroScience, LLC (EnviroScience) for the following Sandwich Public Schools buildings located in Sandwich, Massachusetts:

1. Administration Building (formerly the Henry T. Wing School)
2. Sandwich High School

This report is an important document that must be included in the existing Asbestos Management Plans (AMPs) on file for the above-mentioned schools. In addition, a copy of this report should be maintained at a central location where the AMPs are stored.

If you should have any questions regarding this report, please do not hesitate to contact me at (617) 282-4675, ext. 4703. Thank you for this opportunity to have served your environmental needs.

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Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Sincerely,

Dustin A. Diedricksen
Senior Project Manager

DD/so
Attachments

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1. Introduction

Fuss & O'Neill EnviroScience, LLC (EnviroScience) was retained by Sandwich Public Schools (the "Client") to conduct a six-month periodic surveillance of previously-identified asbestos-containing building materials (ACBM) at the following schools:

1. Administration Building (formerly the Henry T. Wing School)
2. Sandwich High School

This periodic surveillance was conducted in accordance with the requirements of the United States Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) (Title 40 CFR, Part 763, Subpart E).

On March 19, 2018, Mr. Neal McMorrow of EnviroScience performed the periodic surveillance. This surveillance was based on available information in the existing Asbestos Management Plan (AMP) for each building provided to EnviroScience by the Client.

2. Scope of Work

Periodic surveillance involves the visual re-assessment of any ACBM or assumed ACBM in the AMP for the Sandwich Public Schools system. The date of the periodic surveillance, as well as the location of each area, was noted along with any changes in the ACBM condition. The results of this surveillance are listed in the periodic surveillance forms included in this report.

3. Discussion

During this surveillance, minor changes in condition to the ACBM (identified in the AMP) were observed. Additionally, a newly identified black sink undercoating was observed at the time of this periodic surveillance; this material type is an assumed ACBM. Specific ACBM locations and conditions are listed in the attached Six-Month AHERA Periodic Surveillance Forms.

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

4. Conclusion

Minor changes in previously-identified ACBM were observed compared with the most recent six-month AHERA periodic surveillance.

If renovation or demolition activities are scheduled that will impact identified or assumed ACBM, the ACBM must be removed by a Commonwealth of Massachusetts-licensed Asbestos Abatement Contractor prior to disturbance. Assumed ACBM should be sampled and analyzed to determine asbestos content prior to disturbance. This is a requirement of the Commonwealth of Massachusetts Department of Labor Standards (MADLS) and the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP).

Report prepared by Environmental Technician, Neal McMorrow.

Reviewed by:



Dustin A. Diedricksen
Senior Project Manager

Six-Month AHERA Periodic Surveillance

Administration Building (formerly the Henry T. Wing School)



Six-Month AHERA Periodic Surveillance Form

Local Education Agency (LEA): Sandwich Public Schools
 Facility Address: Administration Building, 33 Water Street
 Date of Surveillance: March 19, 2018

1927 Building						
Asbestos-Containing Building Material (ACBM)	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Pre-Formed Block-Type Pipe Insulation	Pipe Tunnels	D	D	No	>10%	
Pre-Formed Block-Type Pipe Insulation	Classrooms 1 - 3	G	G	No		
Pre-Formed Block-Type Pipe Insulation	Above Fixed Ceilings & within Wall Chases	IA	IA	No		
Mudded Pipe-Fitting Insulation	Pipe Tunnels	D	D	No	>10%	
Mudded Pipe-Fitting Insulation	Classrooms 1 - 3	G	G	No		
Mudded Pipe-Fitting Insulation	Above Fixed Ceilings & within Wall Chases	IA	IA	No		
Corrugated Paper-Type Pipe Insulation	Pipe Tunnels	D	D	No	>10%	
Corrugated Paper-Type Pipe Insulation	Above Fixed Ceilings & within Wall Chases	IA	IA	No		
9" x 9" Black Floor Tile	Beneath Built-Up Floor in Classrooms 1 - 3 & 6	IA	IA	No		
Cloth Vibration Isolator	Boiler Room (Room 7) & Gymnasium	G	G	No		

Sandwich Elementary School Addition						
Asbestos-Containing Building Material (ACBM)	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Breaching Insulation	New Boiler Room	G	G	No		
Mudded Pipe-Fitting Insulation Associated with Fiberglass Pipe Insulation	A, B, C, & D Wing Ceiling Plenums/Pipe Chases & Locker Room Pipe Closets	G	G	No		
Mudded Pipe-Fitting Insulation Associated with Fiberglass Pipe Insulation	C104 & C202 Pipe Chases	D	D	No	5 E.A	
Pre-Formed Block-Type Pipe Insulation	New Boiler Room	G	G	No		
Pink Sink Undercoating	C106, C107, & D125	G	G	No		
Pink Sink Undercoating	C108	N/A	G	N/A		Additional material identified (to be included in the next three-year AHERA re-inspection)
Black Sink Undercoating	Room next to C107	N/A	G	N/A		Newly identified material (to be included in the next three-year AHERA re-inspection)
Fiber-Reinforced Cement Panels Associated with Fume Hood	C208	G	G	No		No visible suspect dust or debris observed
Fiber-Reinforced Cement Panel	Partition Walls in Administrative Offices, Boys' & Girls' Locker Rooms, & C-Wing Stairs above Windows	G	G	No		



Asbestos-Containing Building Material (ACBM)	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
9" x 9" Tan with Brown & White Streaks Floor Tile	Classrooms C107, Room next to C107, C108, C202, C207 – C209, C206 Workroom, C208 Storage, & C209 Storage	G	G	No		
9" x 9" Tan with Brown & White Streaks Floor Tile	Nurse's Office	N/A	G	N/A		Additional material identified (to be included in the next three-year AHERA re-inspection)
9" x 9" Tan with Brown & White Streaks Floor Tile	C106	G	D	Yes	10 SF	Water-damaged & loose floor tiles observed
9" x 9" Tan with Brown & White Streaks Floor Tile	C-Wing Stairwell	G	D	Yes	10 SF	Loose floor tiles observed
9" x 9" Tan with Brown & White Streaks Floor Tile	Chair Storage	D	D	No	200 SF	
12" x 12" Tan with Streak Floor Tile	Maintenance Break Room & Computer Room	G	G	No		
Tan Duct-Seam Sealant	B-Wing, 2 nd Floor, Mechanical Room	G	G	No		
Red Duct-Seam Sealant	B-Wing, 2 nd Floor, Mechanical Room	G	G	No		

Conditions: D = Damaged; G = Good; IA = Inaccessible; N/A = Not Applicable; SF = Square Feet

Surveillance conducted by: Neal McMorrow (print name)  (signature)

I, the LEA's Designated Person, have read and understood the findings noted above: _____ Date: _____

Six-Month AHERA Periodic Surveillance

Sandwich High School



Six-Month AHERA Periodic Surveillance Form

Local Education Agency (LEA): Sandwich Public Schools
 Facility Address: Sandwich High School, 365 Quaker Meeting House Road
 Date of Surveillance: March 19, 2018

Asbestos-Containing Building Material (ACBM)	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Black Mastic on Structural Steel Columns	1976 Building, Exterior Walls (within masonry & beneath cork)	G	G	No		
Expansion-Joint Caulking	1976 Building Expansion Joints	G	G	No		
Tan Vinyl Sheet Flooring	Classrooms C320-C324, C336, & C337; Band Practice Rooms P1, P2, & P3; Music Storage Room; & Chorus Room	G	G	No		
Brown Vinyl Sheet Flooring	Auditorium Projector Room & Vault	G	G	No		
Gray Fiber-Reinforced Cement Fume Hood Panel	Classrooms C321 & C336; Prep Rooms C321/C322, C323/C324, & C336/C337	G	G	No		No visible suspect dust or debris was observed
Pink Sink Undercoating	Room D154	G	G	No		
Red Duct Sealant	Classrooms C321 & C336; Prep Rooms C321/C322, C323/C324, & C336/C337	G	G	No		
White Generator Breaching Insulation	3 rd Floor Mechanical Space	G	G	No		No damaged, friable TSI was observed

Asbestos-Containing Building Material (ACBM)	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Gray Fiber-Reinforced Table (Corrugated Panel Bottom)	Classroom C323 Greenhouse	G	G	No		No visible suspect dust or debris was observed
Gray Fiber-Reinforced Table (Side Board)	Classroom C323 Greenhouse	G	G	No		No visible suspect dust or debris was observed
Brown Sill-to-Wall Caulking	Classroom C323 Greenhouse	G	G	No		Weathered, non-friable
Gray Screw-Head Sealant	Classroom C323 Greenhouse	G	G	No		Weathered, non-friable

Conditions: D = Damaged; G = Good; IA = Inaccessible; N/A = Not Applicable; SF = Square Feet

Surveillance conducted by: Neal McMorrow (print name)  (signature)

I, the LEA's Designated Person, have read and understood the findings noted above: _____ Date: _____

Appendix A

Fuss & O'Neill EnviroScience Inspector State Certification & EPA Accreditation



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

William D. McKinney
Director

Asbestos Inspector

NEAL MC MORROW

Eff. Date 06/05/17

Exp. Date 06/05/18

AI900744

Member of C.O.N.E.S.

BOSI BOS-NEW

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This is to certify that

Neal P McMorrow

*has completed the requisite training, and has passed an examination for
reaccreditation as:*

Asbestos Inspector Refresher

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

Course Location

Institute for Environmental Education
16 Upton Drive Wilmington, MA 01887

February 20, 2018

Course Dates

18-1190-106-401104

Certificate Number

February 20, 2018

Examination Date

February 20, 2019

Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone: 978.658.5272
www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION