

Six-Month AHERA Periodic Surveillance

For Compliance With:
United States Environmental Protection Agency (EPA)
Asbestos Hazard Emergency Response Act (AHERA)
(Title 40 CFR, Part 763, Subpart E) & Commonwealth of Massachusetts
Department of Labor Standards 454 CMR 28.00

Bourne Public Schools
Bourne, Massachusetts

December 2022



FUSS & O'NEILL

Fuss & O'Neill, Inc.
108 Myrtle Street, Suite 502
Quincy, MA 02171



March 10, 2023

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

RE: **Six-Month AHERA Periodic Surveillance**
Surveillance Date: December 7, 2022
Bourne Public Schools
Fuss & O'Neill, Inc. Reference No. 20121141.C90

Dear Mr. Geist:

Enclosed is the AHERA Six-Month Periodic Surveillance report prepared by Fuss & O'Neill, Inc. (Fuss & O'Neill) for Bourne Public Schools (the "Client") for the following schools:

1. Bourne High School
2. Maintenance & Storage Buildings

This report is an important document that must be included in the existing Asbestos Management Plan (AMP) for each school. In addition, a copy of each 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.

Sincerely,

Dustin A. Diedricksen
Associate/Department Manager

DD/rs

Attachments

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02171
† 617.282.4675
800.286.2469
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www.fando.com

California
Connecticut
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Massachusetts
New Hampshire
Rhode Island
Vermont

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Attachments

End of Report

SIX-MONTH PERIODIC SURVEILLANCE FORM – BOURNE HIGH SCHOOL

SIX-MONTH PERIODIC SURVEILLANCE FORM – MAINTENANCE & STORAGE
BUILDINGS

FUSS & O'NEILL ASBESTOS INSPECTOR STATE CERTIFICATION & EPA
ACCREDITATION

ASBESTOS LABORATORY ANALYTICAL REPORT & CHAIN-OF-CUSTODY FORM

1. Introduction

Fuss & O'Neill was retained by Bourne Public Schools (the "Client") to conduct a six-month periodic surveillance (the "Surveillance") of previously identified asbestos-containing materials (ACM) at the following schools:

1. Bourne High School
2. Maintenance & Storage Buildings at Bourne Intermediate School

This 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) and the Commonwealth of Massachusetts Department of Labor Standards (MADLS) regulations (454 CMR 28.00).

On December 7, 2022, Mr. Tylar Pelletier of Fuss & O'Neill performed the Surveillance. This Surveillance was based on available information from the current Asbestos Management Plan (AMP) for each school.

2. Scope of Work

A six-month periodic surveillance involves the visual reassessment of any ACM or assumed ACM as identified in the AMPs prepared for Bourne Public Schools. The date of the Surveillance, as well as the location of each area, was noted along with any changes of the ACM 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 were observed to the existing ACM identified in the AMPs. Specific ACM locations and conditions are listed in the attached periodic surveillance forms for each school.

AHERA regulations pertain to interior identified or assumed asbestos-containing building materials (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. MADLS regulations require reassessment of conditions for all known or assumed ACM; this includes friable and non-friable ACM.

In accordance with EPA National Emission Standards for Hazardous Air Pollutants (NESHAP), Commonwealth of Massachusetts Department of Environmental Protection (MassDEP) (310 CMR 7.15(4)), and MADLS regulations, prior to disturbance, samples of the suspect ACBM/ACM must be collected and analyzed for asbestos content.

4. Conclusion

Minor changes to the remaining ACBM were observed compared with the most recent AMPs.

If renovation or demolition activities are scheduled that will impact identified ACM, the ACM must be removed by a MADLS-licensed Asbestos Contractor prior to disturbance. This is a requirement of the Commonwealth of Massachusetts Department of Labor Standards (MADLS) as well as EPA NESHAP.

Report prepared by Environmental Technician, Tylar Pelletier.

Reviewed by:



Dustin A. Diedricksen
Associate | Department Manager

Six-Month Periodic Surveillance Form

Bourne High School

Six-Month Periodic Surveillance Form

Local Education Agency (LEA): Bourne Public Schools

Facility Name: Bourne High School, 75 Waterhouse Road, Bourne, MA 02352

Date of Surveillance: December 7, 2022

ACBM Six-Month Surveillance Report

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	A-Wing Pipe Tunnels	G	D	Yes	1 EA	Damaged at A-Wing (above ductwork)
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	B-Wing Pipe Tunnels	G	G	No	N/A	
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	C-Wing Pipe Tunnels	G	D	Yes	2 EA	Damaged at C-Wing (near pumps 7 & 8)

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Graphic Arts Room (near AHU in back)	G	G	No	N/A	2 EA @ Graphic Arts AHU
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Chemical Storage in Graphic Arts Room	G	G	No	N/A	8 EA @ Chemical Storage
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Art Room (at AHU above Kiln & in Closet by Classroom Door)	G	G	No	N/A	2 EA @ Art Room Kiln/AHU
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Basement Electrical Vault	G	G	No	N/A	2 EA @ Electrical Vault
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Basement Storage Room across from Art Room	G	G	No	N/A	4 EA @ Art Room Closet

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Materials Storage Room across from Basement Exit	G	G	No	N/A	4 EA @ Materials Storage
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Basement Janitor's Closet (with slop sink)	G	G	No	N/A	3 EA @ Janitor's Closet
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Room 17C	D	D	No	1 EA	1 of 10 Fittings Damaged
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Kitchen Storage (near AHU)	G	G	No	N/A	4 EA @ Kitchen Storage
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Gymnasium	G	G	No	N/A	5 EA @ Gymnasium

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Duct Vault across from Gymnasium	G	G	No	N/A	3 EA @ Duct Vault
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Men's Bathroom Closet across from Cafeteria	G	G	No	N/A	8 EA @ Men's Bathroom
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Girl's Locker Room Storage Closet	G	G	No	N/A	5 EA @ Girl's Storage
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Janitor's Closet in Boy's Bathroom across from Classroom 14C	G	G	No	N/A	2 EA
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Concealed above Splined Ceilings in A-Wing	IA	IA	N/A	N/A	
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Concealed above Splined Ceilings in B-Wing	IA	IA	N/A	N/A	
White Mudded Pipe-Fitting Insulation (associated with fiberglass pipe insulation)	Concealed above Splined Ceilings in C-Wing	IA	IA	N/A	N/A	

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Roof Drain Mudded-Fitting Insulation	2 nd Floor Custodian's Closet (across from elevator)	D	D	No	1 LF	Repair damaged fitting
Roof Drain Mudded-Fitting Insulation	Faculty Lunch Room	IA	D	No	1 EA	Above ceiling
Gray Fiber-Reinforced Cement Exhaust Duct	Classrooms 22C & 24C	G	G	No	N/A	
Gray Fiber-Reinforced Cement Exhaust Duct	Concealed within Laboratory Benches in Classrooms 22C & 24C	G	G	No	N/A	
Gray Fiber-Reinforced Cement Fume Hood	Storage Room between Classrooms 22A & 24A	G	G	No	N/A	
Gray Fiber-Reinforced Cement Panel	Duct Vault across from Gymnasium	G	G	No	N/A	
Gray Fiber-Reinforced Cement Panel	Above Splined Ceilings at Fire Doors in Hallways	G	G	No	N/A	

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

Surveillance conducted by:

Tylar Pelletier
(print name)

Tylar Pelletier
(signature)

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

Date: _____

Six-Month Periodic Surveillance Form

Maintenance & Storage Buildings

Six-Month Periodic Surveillance Form

Local Education Agency (LEA): Bourne Public Schools

Facility Name: Maintenance & Storage Buildings at Bourne Intermediate School, 70 Trowbridge Road, Bourne, MA 20532

Date of Surveillance: December 7, 2022

ACBM Six-Month Surveillance Report

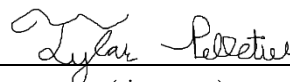
Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
9" x 9" Tan Floor Tile	Maintenance Building Restroom	N/A	N/A	N/A	N/A	Floor tile may be present underneath cabinet
Gray Fiber-Reinforced Cement Ceiling Panels	Storage Building - Left Garage Bay	G	G	No	N/A	
Gray Drywall	Storage Building - Center & Right Garage Bays & 1st Floor Walls & Ceilings	G	G	No	N/A	
White Joint Compound	Storage Building - Right Garage Bay	G	G	No	N/A	
12" x 12" Beige Floor Tile	Storage Building 2 nd Floor Bathroom	G	G	No	N/A	
Yellow/Black Mastic Associated with 12" x 12" Floor Tile	Storage Building 2 nd Floor Bathroom	G	G	No	N/A	

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

Surveillance conducted by:

Tylar Pelletier

(print name)



(signature)

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

Date: _____

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

Pelletier, T
AI 900995

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

Michael Flanagan
Director

Asbestos Inspector

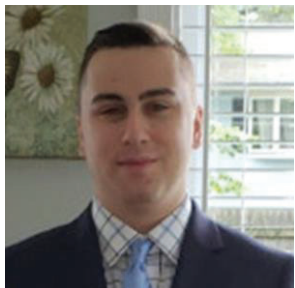
TYLAR J PELLETIER

Eff. Date 10/20/22
Exp. Date 10/20/23
AI900995

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

23





This is to certify that

Tylar J Pelletier

933 McKinstry Avenue, Chicopee, MA 01020



*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

February 22, 2022

Course Dates

22-4293-106-402724

Certificate Number

February 22, 2022

Examination Date

February 22, 2023

Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION

Asbestos Laboratory Analytical Report & Chain-of-Custody Form



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: 132208269

Customer ID: ENVI54

Customer PO: 20121141.D60

Project ID:

Attention: Dustin Diedricksen
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Phone: (617) 778-3750

Fax:

Received Date: 12/13/2022 9:45 AM

Analysis Date: 12/15/2022

Collected Date: 12/07/2022

Project: 20121141.D60 / Bourne Public Schools - Bourne High School; Bourne, MA

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01A-TJD-120722 <small>132208269-0001</small>	D Wing - Aquaphorium - Black Floor Tile Mastic	Black Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
01B-TJD-120722 <small>132208269-0002</small>	D Wing - Aquaphorium - Black Floor Tile Mastic	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

Analyst(s)

Ava Kopellas (2)

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: 12/16/2022 13:22:33

Phone (617) 282-4675 Fax (617) 481-5885

Sheet 1 of 1

[illegible]

Turnaround Time 72 HR

Email Results to: LabResults@fando.com and Udiedr.chen@fando.com
Do Not Mail Hard Copy Report

Shipped To: ☒ EMSL ☐ Other _____

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

REC'D SM DEC 13 2022

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