Six-Month AHERA Asbestos Periodic Surveillance

For Compliance With:
United States Environmental Protection Agency (EPA)
Asbestos Hazard Emergency Response Act (AHERA)
(Title 40 CFR Part 763, Subpart E)

Bourne Public Schools

Bourne, Massachusetts

February 6, 2014

Fuss & O'Neill EnviroScience, LLC
50 Redfield Street, Suite 100
Boston, MA 02122

Project No. 20121141.A7E

FUSS & O'NEILL
EnviroScience, LLC

February 6, 2014

Mr. Edward Donoghue
Director of Business Services
Bourne Public Schools
36 Sandwich Road
Bourne, MA 02532

RE: **6 Month AHERA Asbestos Periodic Surveillance**
Bourne Public Schools
Bourne, Massachusetts
Fuss & O'Neill EnviroScience, LLC No. 20121141.A7E

Dear Mr. Donoghue:

Enclosed please find two copies of the report generated for the six-month asbestos periodic surveillance performed on November 21, 2013. Individual field reports are completed for each school and are attached to the report.

The report text and field sheets should be added to the permanent Asbestos Management Plan recordkeeping file at each school. A copy of the entire report should also be kept in your office.

Should you have any questions regarding these reports, please do not hesitate to contact Dustin Diedricksen at 617-282-4675 extension 4703.

Sincerely,

Dustin A. Diedricksen
Project Manager

DD/ftc

Attachments

Enclosure

FUSS & O'NEILL
EnviroScience, LLC

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Six-Month AHERA Periodic Surveillance
Bourne Public Schools

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Attachment FUSS & O'NEILL ENVIROSCIENCE CERTIFICATION AND ACCREDITATION

FUSS & O'NEILL
EnviroScience, LLC

1. Introduction

Fuss & O'Neill EnviroScience, LLC (EnviroScience) was retained by the Town of Bourne (the "Client") to conduct six-month periodic surveillances of previously identified asbestos-containing building materials (ACBM) at the following school buildings:

1. Peebles Elementary School
2. The Maintenance & Storage Building (Located at Peebles)
3. Bourne High School
4. Otis Memorial Elementary School
5. The Administration Building

This periodic surveillance was conducted in accordance with the requirements of the United States Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) regulation (Title 40 CFR Part 763, Subpart E). Mr. Coletti's Massachusetts Asbestos Inspector Certification and Accreditation are included as an attachment to this surveillance report.

On November 21, 2013, Mr. John Coletti of EnviroScience performed the periodic surveillance. This surveillance was based on available information in the existing Asbestos Management Plan (AMP) for this building provided to EnviroScience by the Client.

2. Scope of Work

Periodic surveillance involves the visual reassessment of previously-identified ACBM or assumed ACBM in the AMP. The date of the periodic surveillance, as well as the location of each area, was noted along with any changes of the ACBM condition. The results of this surveillance are listed in the periodic surveillance forms included in this report.

3. Discussion

During this surveillance, no significant changes in condition were observed to the majority of the ACBM identified in the AMP were observed with the exception of the following new damage observed:

Bourne High School:

- 9" x 9" Floor Tile located in Classroom 25A, Classroom 20B, Classroom 25C, and the Business Office.

Otis Memorial Elementary School:

- 9" x 9" Floor Tile located in the foyer outside of the boiler room.

EnviroScience also observed that several ACBM had either been completely abated or repaired since the last 6-month periodic surveillance. Refer to the attached periodic surveillance forms for a list of ACBM locations and observed conditions.

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. None of these types of suspect ACBM have been previously identified at the schools. However, the suspect asbestos-containing asphaltic roofing materials (built-up roofing, base flashing, sealants, waterproofing, etc.) were noted on the building exterior. In accordance with EPA National Emission Standards for Hazardous Air Pollutants (NESHAP), prior to disturbance, samples of these suspect ACBM must be collected and analyzed for asbestos content.

4. Conclusion

The majority of the previously identified ACBM were observed to be in similar condition to the most recent 6-month periodic surveillance with the exception of 9" x 9" floor tiles located at the Peebles Elementary School, the High School and Otis Memorial Elementary School. These materials should be either repaired or replaced; the remaining ACBM should continue to be managed in the Asbestos Operations & Maintenance Plan.

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

FUSS & O'NEILL
EnviroScience, LLC

Periodic Surveillance Report

Peebles Elementary School

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Peebles Elementary School
Address: 70 Trowbridge Rd, Bourne, MA

Date(s) of Original Inspection:
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Pipe & Fitting Insulations	Classroom 25, Near Sink	Good	Good	No	N/A	
Pipe & Fitting Insulations	Custodial Closet, Near Classroom 19	Good	Good	No	N/A	Repaired (Summer 2012). Abatement Activities Documented.
Pipe & Fitting Insulations	Classroom 16 Closet	Good	Good	No	N/A	Repaired (Summer 2012). Abatement Activities Documented.
Pipe & Fitting Insulations	Storage Room, Near Classroom 17	Good	Good	No	N/A	
Pipe & Fitting Insulations	Classroom 24, Behind Sink	Good	Good	No	N/A	
Pipe & Fitting Insulations	Parent's Resource Library Next to Classroom 9	Good	Good	No	N/A	Repaired (Summer 2012). Abatement Activities Have Been Documented.
Pipe & Fitting Insulations	Basement Restroom Pipe Chase (Limited Access)	Good	N/A	N/A	N/A	Asbestos Abatement Contractor HEPA-Vacuumed and Wet Wiped Accessible Areas of Pipe Chase. Area to Remain Locked, and Storage of Custodial Supplies Prohibited.
Pipe & Fitting Insulations	Basement Restroom Pipe Chase, Annex (Limited Access)	Good	N/A	N/A	N/A	Repaired (Summer 2012). Abatement Activities Documented.

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School: Peebles Elementary School **Date(s) of Original Inspection:**
Address: 70 Trowbridge Rd, Bourne, MA **Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011**

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Pipe & Fitting Insulations	Storage Room Across from Classroom 13 (Former Music Room)	Good	Good	No	N/A	Repaired (Summer 2012). Abatement Activities Documented.
Pipe & Fitting Insulations	Copy Room (Formerly Room 1A)	Good	Good	No	N/A	
Pipe & Fitting Insulations	Concealed Chases, Above Fixed Ceilings, and Within Mechanical Systems	N/A	N/A	N/A	N/A	Concealed Note: Accessible Pipe Insulation Entirely Removed (19 LF) From HVAC Units At Stage By Licensed Asbestos Abatement Contractor (Summer 2012). Abatement Activities Documented.
Ceiling Plaster Skim Coat	Basement Main Hallway	Good	Good	No	N/A	Repaired (Summer 2012). Abatement Activities Documented.
Ceiling Plaster Skim Coat	Storage Room Across From Classroom 13 (Former Music Room)	Good	Good	No	N/A	Newly Painted and Made Intact. Surfaces HEPA-Vacuumed and Wet Cleaned by a Licensed Asbestos Abatement Contractor (February 2013). Abatement Activities Documented.

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Date(s) of Original Inspection:
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Ceiling Plaster Skim Coat	Boy's Bathroom Across From Classroom 7	Non-ACM	Non-ACM	N/A	N/A	Determined As Non-ACM From (August 2012) Supplemental Sampling
Ceiling Plaster Skim Coat	Girl's Bathroom across from Classroom 7	Non-ACM	Non-ACM	N/A	N/A	Determined As Non-ACM From (August 2012) Supplemental Sampling
Ceiling Plaster Skim Coat	Cafeteria	Good	Good	No	N/A	Repaired In Summer 2012; Abatement Documented
Ceiling Plaster Skim Coat	Teachers' Lounge	Non-ACM	Non-ACM	N/A	N/A	Determined As Non-ACM From (August 2012) Supplemental Sampling
Ceiling Plaster Skim Coat	Music Room, Near Gym	Non-ACM	Non-ACM	N/A	N/A	Determined As Non-ACM From (August 2012) Supplemental Sampling
Ceiling Plaster Skim Coat	Special Education Office	Non-ACM	Non-ACM	N/A	N/A	Determined As Non-ACM From (August 2012) Supplemental Sampling
Ceiling Plaster Skim Coat	Classrooms 1 - 8	N/A	N/A	N/A	N/A	Plaster Ceiling Not Observed Above Acoustical Ceiling Tile; Assume Concealed ACM

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Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Ceiling Plaster Skim Coat	Classroom 9	Good	Good	No	N/A	Repaired In Summer 2012; Abatement Documented Included Full Cleaning of Entire Classroom By Licensed Asbestos Abatement Contractor
Ceiling Plaster Skim Coat	Classroom 10	Good	Good	No	N/A	Repaired In Summer 2012; Abatement Documented Included Full Cleaning of Entire Classroom By Licensed Asbestos Abatement Contractor
Ceiling Plaster Skim Coat	Classroom 11	Good	Good	No	N/A	
Ceiling Plaster Skim Coat	Classroom 12	Good	Good	No	N/A	
Ceiling Plaster Skim Coat	Classroom 13	Good	Good	No	N/A	Repaired In Summer 2012; Abatement Documented Included Full Cleaning of Entire Classroom By Licensed Asbestos Abatement Contractor

PERIODIC SURVEILLANCE FORM – List of ACBM

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Address: 70 Trowbridge Rd, Bourne, MA **Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011**

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Ceiling Plaster Skim Coat	Hallway off Main Lobby and Basement Hallway (Closets, Offices, etc.)	Good	Good	No	N/A	Note Any Additional Areas of Damaged ACM Plaster. Plaster in Annex Building Determined As Non-ACM From (Summer 2012) Supplemental Sampling.
9" x 9" Floor Tile	Stairway (Gym to Cafeteria) & Landings/Hallways	Good	Good	No	N/A	Repaired (February 2013). Abatement Activities Documented.
9" x 9" Floor Tile	Stairway at Annex Hallway	Good	Good	No	N/A	Repaired (February 2013). Abatement Activities Documented.
9" x 9" Floor Tile	Ground Floor Annex Hallway	6 SF Damaged	Good	Yes	N/A	Repaired (Summer 2013) Abatement Activities Documented.
9" x 9" Floor Tile	Basement Main Hallway from Classroom 13 to Cafeteria	5 SF Damaged	Good	Yes	N/A	Repaired (February 2013). Abatement Activities Have Been Documented.

PERIODIC SURVEILLANCE FORM – List of ACBM

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Address: 70 Trowbridge Rd, Bourne, MA **Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011**

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
9" x 9" Floor Tile	Main Hallway from Main Office to Sp. Ed. Office & Lobby/Vestibule	Good	Good	No	N/A	~640 SF of Floor Tile Removed by Licensed Asbestos Abatement Contractor at Hallway Area Nearer to Special Ed Office (Summer 2012). ~6 SF of Floor Tile Removed at Threshold Area Outside Gym (Summer 2012). ~30 SF of Lifting/Loose Floor Tile Removed (Fall 2012). ~17 SF of Floor Tile Removed (February 2013). Abatement Activities Documented.
9" x 9" Floor Tile	Stair Landing at Door across from Classroom 4	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 5	14 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 7	Good	Good	No	N/A	~16 SF of Lifting/Loose 9" x 9" Floor Tile Removed By Licensed Asbestos Abatement Contractor (Fall 2012). Abatement Documented.

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Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
9" x 9" Floor Tile	Special Ed Office (Formerly Books & Supplies Closet at End of 1st Floor Main Hall)	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 13	4 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Classroom 14	1 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Classroom 15	4 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Classroom 16	4 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Classroom 17	6 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Classroom 18	11 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Classroom 19	9 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Classroom 20	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 21	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 22	2 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Classroom 23	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 24	8 SF Damaged	Good	Yes	N/A	Material Repaired

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Peebles Elementary School
Address: 70 Trowbridge Rd, Bourne, MA

Date(s) of Original Inspection:
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
9" x 9" Floor Tile	Classroom 25	4 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Cafeteria	90 SF Damaged	N/A	Yes	N/A	Material Removed
9" x 9" Floor Tile	Art Room	8 SF Damaged	N/A	Yes	N/A	Material Removed
9" x 9" Floor Tile	Annex Building Common Area (Former Library)	5 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Annex Building Stairway (Former Library)	5 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Annex Building Rear Stairway and Landings	20 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Main Office	Good	Good	No	N/A	Material Repaired
9" x 9" Floor Tile	Nurse's Office & Secretary's Office	1 SF Damaged	Good	No	N/A	Material Repaired
9" x 9" Floor Tile	Special Equipment Room	Good	Good	No	N/A	
9" x 9" Floor Tile	Teachers' Room	8 SF Damaged	Good	Yes	N/A	Material Repaired
9" x 9" Floor Tile	Attic	N/A	N/A	N/A	N/A	Restricted Access
Window Glazing Compound Associated with Interior Windows at Classrooms	Hallway Off Main Lobby and Basement Hallway	Good	Good	No	N/A	Not Included in August 2009 Sampling of Suspect ACBM; Assume Positive Until Sample Results Determine Otherwise

PERIODIC SURVEILLANCE FORM – List of ACBM

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Date(s) of Original Inspection:
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos-Containing Building Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
HVAC Cloth Vibration Isolators	Attic	N/A	N/A	N/A	N/A	Restricted Access
HVAC Cloth Vibration Isolators	Annex Loft	N/A	N/A	N/A	N/A	Restricted Access
HVAC Cloth Vibration Isolators	Stage	Good	Good	No	N/A	
HVAC Cloth Vibration Isolators	Custodian's Closet, Next to Class 16	Good	Good	No	N/A	
Transite Paneling	Annex Loft	N/A	N/A	N/A	N/A	Restricted Access
Transite Paneling	Boiler Room Electrical Panel	Good	Good	No	N/A	

Surveillance conducted by: John Coletti

(signature)

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

Date: _____

FUSS & O'NEILL
EnviroScience, LLC

Periodic Surveillance Report

Maintenance & Storage Building Located at Peebles Elementary School

PERIODIC SURVEILLANCE FORM – List of ACBM

School Building: Maintenance & Storage Buildings (at Peebles Elementary School)
Address: 70 Trowbridge Rd, Bourne, MA

Date(s) of Original Inspection: 1994

Date(s) of Subsequent Re-Inspections: 1998, 2001, 2004

Periodic Inspection Date: November 21, 2013

Conducted By: John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Transite Ceiling Paneling	2-Story Storage Building: Left Side Garage Bay	Good	Good	No		Small Break at Corner of Transite Panel (No Visible Debris) Building Now Inaccessible to Students
9" x 9" Floor Tile	1-Story Storage Building Restroom	Good	Good	No		Three Tiles Missing By Toilet. Remainder in Good Condition
Drywall & Joint Compound	2-Story Storage Building Center & Right Garage Bays, First Floor Walls & Ceilings	Good	Good	No		Recommend Asbestos Bulk Sampling

Surveillance conducted by: John Coletti

(signature)

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

Date: _____

FUSS & O'NEILL

Periodic Surveillance Report

Bourne High School

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Bourne High School
Address: 75 Waterhouse Road, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013

Conducted By: John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Pipe Fitting Insulation	Pipe Tunnel	N/A	Good	No	N/A	
Pipe Fitting Insulation	Gymnasium	Good	Good	No	N/A	3 Fitting Insulations Removed Summer 2012; Abatement Documented
Pipe Fitting Insulation	Boys Locker Room behind Cubicle	Good	Good	No	N/A	1 Fitting Insulation removed in Summer 2012; abatement documented
Pipe Fitting Insulation	Janitor's Chemical Storage Room (next to Graphic Arts Room in Basement)	Good	Good	No	N/A	1 Fitting Insulation Removed Summer 2012; abatement documented
Pipe Fitting Insulation	First Floor Men's Bathroom near West Exit (across from Cafeteria)	Good	Good	No	N/A	
Pipe Fitting Insulation	A Wing Classrooms above Ceilings	N/A	N/A	N/A	N/A	Concealed
Pipe Fitting Insulation	B Wing Classrooms above Ceilings	N/A	N/A	N/A	N/A	Concealed
Pipe Fitting Insulation	Janitor's Office in Basement	Good	Good	No	N/A	

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Periodic Inspection Date: November 21, 2013

Conducted By: John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Pipe Fitting Insulation	Basement Storage Room across from Art Room	Good	Good	No	N/A	1 Fitting Insulation Removed Summer 2012; abatement documented
Pipe Fitting Insulation	Basement Art Room (Room 9) by Kiln & Closet	Good	Good	No	N/A	3 Fitting Insulations Removed Summer 2012; Abatement Documented
Pipe Fitting Insulation	Alarm Vault across from Elevator	Good	Good	No	N/A	
Pipe Fitting Insulation	Office Materials Storage Room Near Elevator in Basement	Good	Good	No	N/A	
Pipe Fitting Insulation	Duct Vault/Storage across from Gymnasium	Good	Good	No	N/A	2 Fitting Insulations Removed Summer 2012
Pipe Fitting Insulation	B-wing Janitor's Closet near Boy's Bathroom	Good	Good	No	N/A	
Pipe Fitting Insulation	Girls Locker Room	Good	Good	No	N/A	
Pipe Fitting Insulation	Girls Storage Closet next to Locker Room	Good	Good	No	N/A	1 Fitting Insulation Removed Summer 2012; Abatement Documented
Pipe Fitting Insulation	Janitor's Closet on 2nd Floor across from Elevator	Good	Good	No	N/A	

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Periodic Inspection Date: November 21, 2013

Conducted By: John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
Pipe Fitting Insulation	Storage Room on 2nd Floor across from Elevator	Good	Good	No	N/A	4 Fitting Insulations Removed Summer 2012; Abatement Documented
Pipe Fitting Insulation	Janitor's Closet on 1st floor across from Elevator	Good	Good	No	N/A	Potential for Significant Damage (Accessibility); Recommend Enclosure of 6 Fitting Insulations
Pipe Fitting Insulation	C Wing Classrooms above Ceilings	N/A	N/A	N/A	N/A	Concealed
Pipe Fitting Insulation	Janitor's Closet with Slop Sink (Basement Near Janitor's Office)	Good	Good	No	N/A	1 Fitting Insulation Removed & 5 Fitting Insulations Repaired Summer 2012; Abatement Documented
Pipe Fitting Insulation	Concealed Chases and Above Fixed Ceilings	N/A	N/A	N/A	N/A	Concealed
9" x 9" Floor Tile	Throughout, except noted below	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 10A	Good	N/A	Yes	N/A	Material Completely Abated Summer 2013
9" x 9" Floor Tile	Classroom 12A	Good	N/A	Yes	N/A	Material Completely Abated Summer 2013
9" x 9" Floor Tile	Classroom 17A	25 SF Damaged	N/A	Yes	N/A	Material Completely Abated Summer 2013
9" x 9" Floor Tile	Classroom 19A	3 SF Missing 2 SF Damaged	N/A	Yes	N/A	Material Completely Abated Summer 2013

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Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
9" x 9" Floor Tile	Classroom 20A	2 SF Damaged	2 SF Damaged	No	2 SF	Remove Damaged Floor Tile
9" x 9" Floor Tile	Classroom 24A	1 SF Damaged	1 SF Damaged	No	1 SF	Remove Damaged Floor Tile
9" x 9" Floor Tile	Classroom 25A	6 SF Missing	8 SF Missing	Yes	8 SF	Remove Damaged Floor Tile
9" x 9" Floor Tile	Classroom 10B	Good	N/A	Yes	N/A	Material Completely Abated Summer 2013
9" x 9" Floor Tile	Classroom 11B	Good	N/A	Yes	N/A	Material Completely Abated Summer 2013
9" x 9" Floor Tile	Classroom 12B	Good	N/A	Yes	N/A	Material Completely Abated Summer 2013
9" x 9" Floor Tile	Classroom 13B	Good	N/A	Yes	N/A	Material Completely Abated Summer 2013
9" x 9" Floor Tile	Classroom 14B	2 SF Damaged	N/A	Yes	N/A	Material Completely Abated Summer 2013
9" x 9" Floor Tile	Classroom 20B	Good	D/G	Yes	7 SF	7 SF Missing/Damaged Tiles. Remainder in Good Condition
9" x 9" Floor Tile	Classroom 21B	2 SF Missing 5 SF Damaged	2 SF Missing 5 SF Damaged	No	7 SF	Replace Missing Floor Tile Remove Damaged Floor Tile
9" x 9" Floor Tile	Classroom 22B	10 SF Lifting	10 SF Lifting	No	10 SF	Remove Lifting Floor Tile
9" x 9" Floor Tile	Classroom 23B	7 SF Damaged	7 SF Damaged	No	7 SF	Remove Damaged Floor Tile
9" x 9" Floor Tile	Classroom 26B	6 SF Missing 4 SF Damaged	6 SF Missing 4 SF Damaged	No	10 SF	Replace Missing Floor Tile; Remove Damaged Floor Tiles

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Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
9" x 9" Floor Tile	Classroom 10C	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 10C Storage	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 11C	18 SF Damaged	18 SF Damaged	No	18 SF	Remove Damaged Floor Tiles
9" x 9" Floor Tile	Classroom 12C	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 13C	50 SF Lifting	50 SF Lifting	No	50 SF	Remove Damaged Floor Tiles
9" x 9" Floor Tile	Classroom 14C	15 SF Damaged	15 SF Damaged	No	15 SF	Remove Damaged Floor Tiles
9" x 9" Floor Tile	Classroom 15C	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 15C	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 20C	3 SF Damaged	3 SF Damaged	No	3 SF	Remove Damaged Floor Tile
9" x 9" Floor Tile	Classroom 22C	2 SF Missing 1 SF Damaged	2 SF Missing 1 SF Damaged	No	3 SF	Replace Missing Floor Tiles; Remove Damaged Floor Tile
9" x 9" Floor Tile	Classroom 24C	16 SF Damaged	16 SF Damaged	No	16 SF	Remove Damaged Floor Tile
9" x 9" Floor Tile	Classroom 25C	Good	1 SF Damaged	Yes	1 SF	1 SF of Damage, Remainder in Good Condition
9" x 9" Floor Tile	Custodian's Office	3 SF Damaged	3 SF Damaged	No	3 SF	Remove Damaged Floor Tile

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Bourne High School
Address: 75 Waterhouse Road, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Estimated Damaged Quantity	Comments
9" x 9" Floor Tile	Special Education (former Home Economics Classroom)	Good	Good	No	N/A	175 SF of Loose Tile Removed (Summer 2012) As Part of Emergency Abatement; Abatement Documented
9" x 9" Floor Tile	Business Office	Good	D/G	Yes	6 SF	Material Damaged at Wall; Remainder in Good Condition
Transite Exhaust Ducts	Classrooms 22C & 24C	Good	Good	No	N/A	
Roof Drain Pipe Fitting Insulation	Girl's Locker Room, Gym Office, Biology Lab, 2nd Floor Custodian's Room, Music Room, Custodial Closet, Faculty Lunch Room	Good	Good	No	N/A	

Surveillance conducted by: John Coletti

(signature)

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

Date: _____

FUSS & O'NEILL

Periodic Surveillance Report

Otis Memorial Elementary School

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Otis Memorial Elementary School
Address: 5500 Curtis Boulevard, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013

Conducted By: John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Boiler Insulation	Boiler Room	Good	Good	No	N/A	Repaired February 2013; Abatement Activities Documented
Boiler Breeching	Boiler Room	Good	Good	No	N/A	Repaired February 2013; Abatement Activities Documented
Hot Water Tank Insulation	Boiler Room	Good	Good	No	N/A	Repaired February 2013; Abatement Activities Documented
Pipe Fitting Insulation	Boiler Room	Good	Good	No	N/A	Repaired February 2013; Abatement Activities Documented
Pipe Fitting Insulation	Boiler Room (Behind Boiler #1)	Good	Good	No	N/A	Repaired February 2013; Abatement Activities Documented
Pipe Fitting Insulation	Pipe Tunnel	N/A	N/A	N/A	N/A	Concealed
Pipe Fitting Insulation	Nurse's Office Beneath Sink	Good	Good	No	N/A	
Pipe Fitting Insulation	Kitchen (Unit Ventilators)	Good	Good	No	N/A	Removed ACBM Associated With One Unit Ventilator February 2013; Abatement Activities Documented

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Otis Memorial Elementary School
Address: 5500 Curtis Boulevard, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013

Conducted By: John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Pipe Fitting Insulation	Supply Room Near Classrooms 5 and 11	Good	Good	No	N/A	
Pipe Fitting Insulation	Supply Room Near Custodial Office	Good	Good	No	N/A	
9" x 9" Floor Tile	At Double Doors in Hallway Outside Clinic	10 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 1	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 2	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 3	2 SF Damaged	Good	Yes	2 SF	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 4	2 SF Missing	Good	Yes	2 SF	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 5	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 6	5 SF Lifting/Cracking	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 7	5 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 8	5 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 9	Good	Good	No	N/A	

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Otis Memorial Elementary School
Address: 5500 Curtis Boulevard, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9" x 9" Floor Tile	Classroom 10	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 11	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 12	5 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 13	11 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 14 (Former Library)	100 SF Lifting	Good	Yes	N/A	Only 25 SF of Damaged Material Identified and Repaired Summer 2013
9" x 9" Floor Tile	Classroom 15	5 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 16	6 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 17	56 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Classroom 18	Good	Good	No	N/A	
9" x 9" Floor Tile	Classroom 19	5 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Principal's Office	Good	Good	No	N/A	
9" x 9" Floor Tile	Nurse's Office	Good	Good	No	N/A	
9" x 9" Floor Tile	Main Office (Outside Principal's Office)	Good	Good	No	N/A	

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Otis Memorial Elementary School
Address: 5500 Curtis Boulevard, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9" x 9" Floor Tile	Hallway from Classroom 15 to Doors Outside Restrooms	10 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Hall Outside of Classrooms 10-11 From Fire Doors to Exit	10 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013
9" x 9" Floor Tile	Teacher's Room and Supply Room	Good	Good	No	N/A	
9" x 9" Floor Tile	Foyer and Hallway Outside of Teacher's Room	Good	Good	No	N/A	
9" x 9" Floor Tile	Foyer Outside Boiler Room	Good	D/G	Yes	18 SF	Missing/Damaged Tiles Exposing Mastic by Exit Doorway. Replace Missing/Damaged Floor Tiles
9" x 9" Floor Tile	Cafeteria/Gym	Covered	Covered	No	N/A	Covered
9" x 9" Floor Tile	Hallway at Gym Wing	15 SF Damaged	Good	Yes	N/A	Material Repaired Summer 2013

PERIODIC SURVEILLANCE FORM – List of ACBM

School: Otis Memorial Elementary School
Address: 5500 Curtis Boulevard, Bourne, MA

Date(s) of Original Inspection: 1988
Date(s) of Subsequent Re-Inspections: 1994, 1998, 2001, 2004, 2007, 2011

Periodic Inspection Date: November 21, 2013 **Conducted By:** John Coletti

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Metal-Encased Fire Doors	Boiler Room & Emergency Generator Room	Good	Good	No	N/A	Not Included in August 2009 Suspect ACBM Sampling; Assumed ACBM Until Sample Results Determine Otherwise Recommend Asbestos Bulk Sampling

Surveillance conducted by: John Coletti



(Signature)

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

Date: _____

FUSS & O'NEILL
EnviroScience, LLC

Attachment

Commonwealth of Massachusetts

Department of Labor Standards

Heather E. Rowe, Director

Asbestos Management Planner

DUSTIN A. DIEDRICKSEN

Eff. Date 04/25/13

Exp. Date 04/25/14

AP900425

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

NBN

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NB-NEW

Commonwealth of Massachusetts

Department of Labor Standards

Heather E. Rowe, Director

Asbestos Inspector

JOHN A. COLETTI

Eff. Date 10/15/13

Exp. Date 10/14/14

AI072277

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

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SP-REN

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

John Coletti

xxx-xx-6275

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

September 4, 2013
Date of Course

AI-R-09/13-3
Certificate Number

September 4, 2013; A
Examination Date & Grade

September 4, 2014
Expiration Date