SIX-MONTH AHERA ASBESTOS PERIODIC SURVEILLANCE

May 2013

Bourne Public Schools

Bourne, Massachusetts

September 4, 2013

FUSS & O'NEILL
EnviroScience, LLC

50 Redfield Street, Suite 100
Boston, MA 02122

For Compliance with
United States Environmental Protection Agency (USEPA)
Asbestos Hazard Emergency Response Act (AHERA)
(40 CFR Part 763)

Project No. 20121141.A2E

FUSS & O'NEILL
EnviroScience, LLC

September 4, 2013

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

RE: **6 Month Periodic AHERA Inspection**
Bourne Public Schools
Fuss & O'Neill EnviroScience, LLC No. 20121141.A2E

Dear Mr. Donoghue:

Enclosed are two copies of the report generated for the six-month periodic asbestos surveillance performed on May 2, 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 file on hand at each school to document updates and revisions to the management plans. A copy of the entire report should be kept in your office as well.

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

Sincerely,

Dustin A. Diedricksen
Project Manager

Robert L. May, Jr.
President

RLM/ftc

Attachment

50 Redfield Stree
Suite 100
Boston, MA
02122
t 617.282.4675
f 617.282.8253

www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

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FUSS & O'NEILL

Bourne Public Schools
Periodic Surveillance Report

On May 2, 2013, Fuss & O'Neill EnviroScience, LLC (EnviroScience) representative, Jonathan Hand, a licensed Asbestos Inspector in the Commonwealth of Massachusetts (Refer to *Appendix A* for Asbestos Inspector license), performed periodic surveillance for the Bourne Public Schools as described in the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR Part 763 regulations. The reports were reviewed by licensed Asbestos Management Planner, Dustin A. Diedricsken; refer to *Appendix A* for a copy of certifications and licenses. The surveillance assessments were conducted in order to update the conditions of known, and assumed, asbestos-containing building materials (ACBM), and to identify areas where corrective response actions may be required. A Three-Year Asbestos Re-Inspection and Management Plan Update were completed by EnviroScience for each school in December 2011.

Periodic surveillance involves the visual reassessment of any ACBM or assumed ACBM listed in the Asbestos Management Plan (AMP) for each school. The date of the periodic surveillance, as well as the location of each, was noted along with the change in condition of the ACBM, if any. Completed inspection forms are included in this report.

Changes in ACBM assessment are listed in the included forms. "Changes" included conditions and/or locations of ACBM that were not assessed in the last inspection. ACBM that were previously identified as damaged, and remain in a damaged condition, are also listed.

The following buildings were inspected on indicated date:

Building	Square Feet	Date Of Inspection
Peebles Elementary School	68,300	May 2, 2013
Maintenance & Storage Buildings at Peebles	1,200/2,030	May 2, 2013
Bourne High School	1,200/2,030	May 2, 2013
Otis Memorial Elementary School	35,160	May 2, 2013
Administration Building	3,830	May 2, 2013

EnviroScience recommends that the ACBM listed in each form as "damaged" or "significantly damaged" be removed or repaired by an Asbestos Abatement Contractor (licensed by the Commonwealth of Massachusetts) in order to avoid further damage and potential exposure of building occupants to airborne asbestos fibers.

If ACBM will be repaired or removed, work order forms should be completed by the School System. These work order forms are located in the AMP for each school. In preparation for a possible site visit by the Commonwealth of Massachusetts, please maintain a permanent file on hand at every school documenting all updates and revisions.

Abatement of ACBM by removal or repair must be performed under a project design prepared by a Commonwealth of Massachusetts licensed Asbestos Project Designer. Also, upon completion of the work, a Commonwealth of Massachusetts licensed Asbestos Project Monitor must perform a visual inspection and final air-clearance monitoring.

This report for periodic surveillance has been prepared to document current conditions of ACBM, or presumed ACBM, on behalf of the local Education Agency (LEA) Bourne Public Schools in accordance with AHERA regulation 40 CFR Part 763.

Inspectors:

Jonathan Hand	_____	5/3/13
AI-041945	Signature:	Date

Reviewed by Management Planner:

Dustin A. Diedricksen	_____	5/3/13
AP-900425	Signature:	Date:

Designated Person:	_____	_____
Edward Donoghue	Signature:	Date:

Periodic Surveillance Report

Peebles Elementary School

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Pipe Insulation & Associated Fittings	Classroom 25 – Near Sink	Good	Good	N		Repaired (Summer 2012). Abatement activities have been documented.
Pipe Insulation & Associated Fittings	Custodial Closet near Classroom 19	Good	Good	N		Repaired (Summer 2012). Abatement activities have been documented.
Pipe Insulation & Associated Fittings	Classroom 16 Closet	Good	Good	N		Repaired (Summer 2012). Abatement activities have been documented.
Pipe Insulation & Associated Fittings	Storage Room near Classroom 17	Good	Good	N		
Pipe Insulation & Associated Fittings	Classroom 24 – Behind Sink	Good	Good	N		
Pipe Insulation & Associated Fittings	Parent's Resource Library next to Classroom 9	Good	Good	N		Repaired (Summer 2012). Abatement activities have been documented.
Pipe Insulation & Associated Fittings	Basement Restroom Pipe Chase (Limited Access)	Good	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 is prohibited.
Pipe Insulation & Associated Fittings	Basement Restroom Pipe Chase – Annex (Limited Access)	Good	N/A	N/A		Repaired (Summer 2012). Abatement activities have been documented.
Pipe Insulation & Associated Fittings	Storage Room Across from Classroom 13 (Former Music Room)	Good	Good	N		Repaired (Summer 2012). Abatement activities have been documented.

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Periodic Inspection Date: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Pipe Insulation & Associated Fittings	Copy Room (Formerly Room 1A)	Good	Good	N		
Pipe Insulation & Associated Fittings	Concealed Chases, above Fixed Ceilings, and within Mechanical Systems	N/A	N/A	N/A		Concealed Note: accessible pipe insulation removed entirely (19 LF) from HVAC units at stage by licensed Asbestos Abatement Contractor (Summer 2012). Abatement activities have been documented.
Ceiling Plaster (Skim Coat)	Basement Main Hallway	Good	Good	N		Repaired (Summer 2012). Abatement activities have been documented.
Ceiling Plaster (Skim Coat)	Storage Room across from Classroom 13 (Former Music Room)	75 SF Damaged	Good	Y		Ceiling is newly painted and made intact. Surfaces were HEPA vacuumed and wet wiped by licensed Asbestos Abatement Contractor (February 2013). Abatement activities have been documented.
Ceiling Plaster (Skim Coat)	Boy's bathroom across from Classroom 7	Non-ACM	Non-ACM	N		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		Determined as non-ACM from (August 2012) supplemental sampling

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

Periodic Inspection Date: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Ceiling Plaster (Skim Coat)	Cafeteria	Good	Good	N		Repaired in Summer 2012; abatement documented
Ceiling Plaster (Skim Coat)	Teachers' Lounge	Non-ACM	Non-ACM	N		Determined as non-ACM from (August 2012) supplemental sampling
Ceiling Plaster (Skim Coat)	Music Room near Gym	Non-ACM	Non-ACM	N		Determined as non-ACM from (August 2012) supplemental sampling
Ceiling Plaster (Skim Coat)	Sp. Ed. Office	Non-ACM	Non-ACM	N		Determined as non-ACM from (August 2012) supplemental sampling
Ceiling Plaster (Skim Coat)	Classrooms 1 - 8	N/A	N/A	N/A		Plaster ceiling not observed above acoustical ceiling tile; assume concealed ACM
Ceiling Plaster (Skim Coat)	Classroom 9	Good	Good	N		Repaired in Summer 2012; abatement documented Note: included full cleaning of entire classroom by licensed Asbestos Abatement Contractor
Ceiling Plaster (Skim Coat)	Classroom 10	Good	Good	N		Repaired in Summer 2012; abatement documented Note: included full cleaning of entire classroom by licensed Asbestos Abatement Contractor
Ceiling Plaster (Skim Coat)	Classroom 11	Good	Good	N		

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

Periodic Inspection Date: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Ceiling Plaster (Skim Coat)	Classroom 12	Good	Good	N		
Ceiling Plaster (Skim Coat)	Classroom 13	Good	Good	N		Repaired in Summer 2012; abatement documented Note: included full cleaning of entire classroom by licensed Asbestos Abatement Contractor
Ceiling Plaster (Skim Coat)	Hallway off Main Lobby and Basement Hallway (e.g. Hallways, Closets, Offices, etc.)	Good	Good	N		Note any additional areas of damaged ACM plaster. Note: all plaster in Annex Building determined as non-ACM from (Summer 2012) supplemental sampling.
9x9 Floor Tile	Stairway (Gym to Cafeteria) & Landings/Hallways	252 SF Damaged	Good	Y		Repaired (February 2013). Abatement activities have been documented.
9x9 Floor Tile	Stairway at Annex Hallway	6 SF Damaged	Good	Y		Repaired (February 2013). Abatement activities have been documented.
9x9 Floor Tile	Ground Floor Annex Hallway	Good	6 SF Damaged	Y	6 SF Damaged at Double Doors to Cafeteria Hallway	Repaired (Fall 2012) Abatement activities have been documented. Repair/Removed Damaged Floor Tile

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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

Periodic Inspection Date: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9x9 Floor Tile	Basement Main Hallway from Classroom 13 to Cafeteria	40 SF Damaged	5 SF Damaged	Y	5 SF Damaged Outside Boiler Room	2 SF @ Stairway Doors 8 SF @ Cafeteria Threshold 6 SF @ Storage Threshold 8 SF @ Doors o/s CR 13, 3 SF @ Double Doors 4 SF @ Girls Bath. o/s CR 10 9 SF @ Girls Bath. o/s CR 13 Repaired (February 2013). Abatement activities have been documented. Repair/Replace Damaged Floor Tile
9x9 Floor Tile	Main Hallway from Main Office to Sp. Ed. Office & Lobby/Vestibule	17 SF Damaged	Good	Y		Note: 640 SF of 9x9 floor tile removed by licensed Asbestos Abatement Contractor at hallway area nearer to Sp. Ed. Office (Summer 2012). 6 SF of 9x9 floor tile removed at threshold area outside Gymnasium (Summer 2012). 30 SF of lifting/loose 9x9 floor tile removed (Fall 2012). 17 SF of 9x9 floor tile removed (February 2013). Abatement activities have been documented.
9x9 Floor Tile	Stair Landing at Door across from Classroom 4	Good	Good	N		

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

Periodic Inspection Date: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9x9 Floor Tile	Classroom 5	14 SF Damaged	14 SF Damaged	N	14 SF	Remove damaged floor tile 10 SF @ Sink 4 SF @ Door Note: 20 SF of lifting/loose 9x9 floor tile removed by licensed Asbestos Abatement Contractor (Fall 2012). Abatement activities have been documented.
9x9 Floor Tile	Classroom 7	Good	Good	N		Note: 16 SF of lifting/loose 9x9 floor tile removed by licensed Asbestos Abatement Contractor (Fall 2012). Abatement activities have been documented.
9x9 Floor Tile	Sp. Ed Office (Formerly Books & Supplies Closet at End of 1st Floor Main Hall)	Good	Good	N		
9x9 Floor Tile	Classroom 13	4 SF Damaged	4 SF Damaged	N	4 SF	Remove damaged floor tile 1 SF @ Coat Closet 3 SF @ Bathroom b/w Classroom 12 and 13
9x9 Floor Tile	Classroom 14	1 SF Damaged	1 SF Damaged	N	1 SF	Remove damaged floor tile

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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

Periodic Inspection Date: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9x9 Floor Tile	Classroom 15	4 SF Damaged	4 SF Damaged	N	4 SF	Remove damaged floor tile 2 SF @ Closet 2 SF @ Center
9x9 Floor Tile	Classroom 16	4 SF Damaged	4 SF Damaged	N	4 SF	Remove damaged floor tile 4 SF @ Closet
9x9 Floor Tile	Classroom 17	6 SF Damaged	6 SF Damaged	N	6 SF	Remove damaged floor tile 5 SF @ Radiator 1 SF @ Closet
9x9 Floor Tile	Classroom 18	11 SF Damaged	11 SF Damaged	N	11 SF	Remove damaged floor tile 8 SF @ Radiator 3 SF @ Door to Classroom 17
9x9 Floor Tile	Classroom 19	9 SF Damaged	9 SF Damaged	N	9 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 20	Good	Good	N		
9x9 Floor Tile	Classroom 21	Good	Good	N		
9x9 Floor Tile	Classroom 22	2 SF Damaged	2 SF Damaged	N	2 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 23	Good	Good	N		
9x9 Floor Tile	Classroom 24	8 SF Damaged	8 SF Damaged	N	8 SF	Remove damaged floor tile 2 SF @ Door 6 SF @ Radiator

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9x9 Floor Tile	Classroom 25	4 SF Damaged	4 SF Damaged	N	4 SF	Remove damaged floor tile 1 SF @ Closet 3 SF @ Door
9x9 Floor Tile	Cafeteria	֍ SF Damaged	90 SF Damaged	N	90 SF	Remove damaged floor tile at expansion joints
9x9 Floor Tile	Art Room	8 SF Damaged	8 SF Damaged	N	8 SF	Remove damaged floor tile 8 SF Cracking
9x9 Floor Tile	Annex Building Common Area (Former Library)	N/A	5 SF Damaged	Y	5 SF	Remove damaged floor tile
9x9 Floor Tile	Annex Building Stairway (Former Library)	5 SF Damaged	5 SF Damaged	N	5 SF	Remove damaged floor tile
9x9 Floor Tile	Annex Building Rear Stairway and Landings	N/A	20 SF Damaged	Y	20 SF	Remove damaged floor tile
9x9 Floor Tile	Main Office	4 SF Damaged	4 SF Damaged	N	4 SF	Remove damaged floor tile 4 SF @ Reception Area
9x9 Floor Tile	Nurse's Office & Secretary's Office	1 SF Damaged	1 SF Damaged	N	1 SF	Remove damaged floor tile 1 SF @ Radiator in Nurse's Office
9x9 Floor Tile	Special Equipment Room	N/A	Good	N		
9x9 Floor Tile	Teachers' Room	8 SF Damaged	8 SF Damaged	N	8 SF	Recommend removal of floor tile at hallway area (80 SF)
9x9 Floor Tile	Attic	Good	N/A	N/A		Restricted Access

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

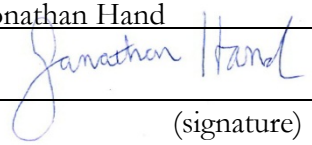
School: Peebles Elementary School
Address: 70 Trowbridge Rd, Bourne, MA

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

Periodic Inspection Date: May 2, 2013 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Window Glazing Compound Associated with Interior Windows at Classrooms	Hallway off Main Lobby and Basement Hallway	Good	Good	N		Not included in August 2009 sampling of suspect ACBM; assume positive until sample results prove otherwise Recommend asbestos bulk sampling
Caulking at Plaster Soffit and Metal Duct	Cafeteria (Over Serving Line)	Good	Removed	Y		Removed (February 2013). Abatement activities have been documented. Remove From Management Plan
Vibration Isolators	Attic	Good	N/A	N/A		Restricted Access
Vibration Isolators	Annex Loft	Good	N/A	N/A		Restricted Access
Vibration Isolators	Stage	Good	Good	N		
Vibration Isolators	Custodian's Closet next to Class 16	Good	Good	N		
Transite Paneling	Annex Loft	Good	N/A	N/A		Restricted Access
Transite Paneling	Boiler Room Electrical Panel	Good	Good	N		

Surveillance conducted by: Jonathan Hand



(signature)

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

Date: _____

Periodic Surveillance Report

Maintenance & Storage Buildings at Peebles

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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

Date(s) of Original Inspection: 1994

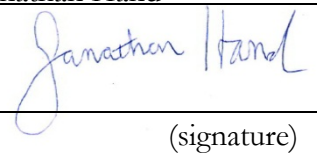
Date(s) of Subsequent Re-Inspections: 1998, 2001, 2004

Periodic Inspection Date: May 2, 2013

Conducted By: Jonathan Hand

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	N		Small break at corner of Transite panel with no visible debris Note: building made inaccessible to students
9x9 Vinyl Floor Tile	1-Story Storage Building: Restroom	Good	Good	N		
Drywall & Joint Compound	2-Story Storage Building: Center & Right Garage Bays, First Floor Walls & Ceiling	Good	Good	N		Not included in August 2009 sampling of suspect ACBM; assume positive until sample results prove otherwise Recommend asbestos bulk sampling

Surveillance conducted by: Jonathan Hand



(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 Asbestos-Containing Materials

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: May 2, 2013

Conducted By: Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Mudded Insulation on Pipe Fittings	Throughout Pipe Tunnel	N/A	N/A	N/A		Concealed
Mudded Insulation on Pipe Fittings	Gymnasium	Good	Good	N		Mudded insulation removed from 3 fittings in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	Boys Locker Room behind Cubicle	Good	Good	N		Mudded insulation removed from 1 fitting in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	Janitor's Chemical Storage Room (next to Graphic Arts Room in Basement)	Good	Good	N		Mudded insulation removed from 1 fitting in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	First Floor Men's Bathroom near West Exit (across from Cafeteria)	Good	Good	N		
Mudded Insulation on Pipe Fittings	A Wing Classrooms above Ceilings	N/A	N/A	N/A		Concealed
Mudded Insulation on Pipe Fittings	B Wing Classrooms above Ceilings	N/A	N/A	N/A		Concealed
Mudded Insulation on Pipe Fittings	Janitor's Office in Basement	Good	Good	N		
Mudded Insulation on Pipe Fittings	Basement Storage Room across from Art Room	Good	Good	N		Mudded insulation removed from 1 fitting in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	Basement Art Room (Room 9) by Kiln & Closet	Good	Good	N		Mudded insulation removed from 3 fittings in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	Alarm Vault across from Elevator	Good	Good	N		

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School: Bourne High School
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Periodic Inspection Date: May 2, 2013

Conducted By: Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Mudded Insulation on Pipe Fittings	Office Materials Storage Room Near Elevator in Basement	Good	Good	N		
Mudded Insulation on Pipe Fittings	Duct Vault/Storage across from Gymnasium	Good	Good	N		Mudded insulation removed from 2 fittings in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	B-wing Janitor's Closet near Boys' Bathroom	Good	Good	N		
Mudded Insulation on Pipe Fittings	Girls Locker Room	Good	Good	N		
Mudded Insulation on Pipe Fittings	Girls Storage Closet next to Locker Room	Good	Good	N		Mudded insulation removed from 1 fitting in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	Janitor's Closet on 2nd Floor across from Elevator	Good	Good	N		
Mudded Insulation on Pipe Fittings	Storage Room on 2nd Floor across from Elevator	Good	Good	N		Mudded insulation removed from 4 fitting in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	Janitor's Closet on 1st floor across from Elevator	Good	Good	N		Potential for significant damage (i.e. kicking hazard); recommend removal of 6 mudded fittings
Mudded Insulation on Pipe Fittings	C Wing Classrooms above Ceilings	N/A	N/A	N/A		Concealed

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Periodic Inspection Date: May 2, 2013

Conducted By: Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Mudded Insulation on Pipe Fittings	Photography Darkroom	Good	All Fittings and Insulation Abated	Y		Mudded insulation removed from 6 fittings in Summer 2012; abatement documented. Remove from Management Plan
Mudded Insulation on Pipe Fittings	Janitor's Closet with Slop Sink (Basement Near Janitor's Office)	Good	Good	N		Mudded insulation removed from 1 fitting, and 5 fittings repaired, in Summer 2012; abatement documented
Mudded Insulation on Pipe Fittings	Concealed Chases and above fixed Ceilings	N/A	N/A	N/A		Concealed
9x9 Floor Tile	Throughout	Good	Good	N		
9x9 Floor Tile	Classroom 17A	25 SF Damaged	Good	N		130 SF of floor tile removed in February 2013; abatement documented
9x9 Floor Tile	Classroom 19A	3 SF Missing 2 SF Damaged	3 SF Missing 2 SF Damaged	N	5 SF	Remove damaged floor tile; replace missing floor tile
9x9 Floor Tile	Classroom 20A	2 SF Damaged	2 SF Damaged	N	2 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 24A	1 SF Damaged	1 SF Damaged	N	1 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 25A	6 SF Missing	6 SF Missing	N	6 SF	Replace missing floor tile
9x9 Floor Tile	Classroom 12B	Good	5 SF Damaged	Y	5 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 14B	2 SF Damaged	25 SF Damaged	Y	25 SF	Remove damaged floor tile

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Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9x9 Floor Tile	Classroom 21B	2 SF Missing	2 SF Missing 5 SF Damaged	Y	7 SF	Replace missing floor tile Remove Damaged Floor Tile
9x9 Floor Tile	Classroom 22B	10 SF Lifting	10 SF Lifting	N	10 SF	Remove lifting floor tile
9x9 Floor Tile	Classroom 23B	3 SF Damaged	7 SF Damaged	Y	7 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 26B	6 SF Missing	6 SF Missing 4 SF Damaged	Y	10 SF	Replace missing floor tile Remove Damaged Floor Tile
9x9 Floor Tile	Classroom 11C	10 SF Damaged	18 SF Damaged	Y	18 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 13C	2 SF Damaged	50 SF Lifting	Y	50 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 14C	4 SF Damaged	15 SF Damaged	Y	15 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 20C	3 SF Damaged	20 SF Damaged	Y	20 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 22C	2 SF Missing	2 SF Missing 1 SF Damaged	Y	3 SF	Replace missing floor tile Remove Damaged Floor Tile
9x9 Floor Tile	Classroom 24C	4 SF Damaged	16 SF Damaged	Y	16 SF	Remove damaged floor tile
9x9 Floor Tile	Janitor's Office	3 SF Damaged	3 SF Damaged	N	3 SF	Remove damaged floor tile
9x9 Floor Tile	Special Education (former Home Economics Classroom)	Good	Good	N		175 SF of loose tile removed (Summer 2012) as part of emergency abatement; abatement documented
Transite Exhaust Ducts	Classrooms 22C & 24C	Good	Good	N		

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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: May 2, 2013

Conducted By: Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Roof Drain Mudded Insulation on Fittings	Girls Locker Room, Gym Office, Biology Lab, 2nd Floor Janitor's Room, Music Room, Custodial Closet, Faculty Lunch Room	Good	Good	N		Recommend application of additional wet wrap to prevent potential damage

Surveillance conducted by: Jonathan Hand

Jonathan Hand

(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 Asbestos-Containing Materials

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: October 25, 2012

Conducted By: Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Boiler Insulation	Boiler Room	6 SF Damaged	Good	Y		Repaired (February 2013). Abatement activities have been documented.
Boiler Breeching	Boiler Room	1 SF Damaged	Good	Y		Repaired (February 2013). Abatement activities have been documented.
Hot Water Tank Insulation	Boiler Room	1 SF Damaged	Good	Y		Repaired (February 2013). Abatement activities have been documented.
Mudded Insulation on Pipe Fittings	Boiler Room	2 EA Damaged	Good	Y		Repaired (February 2013). Abatement activities have been documented.
Mudded Insulation on Pipe Fittings	Boiler Room (behind Boiler #1)	1 EA Damaged	Good	Y		Repaired (February 2013). Abatement activities have been documented.
Mudded Insulation on Pipe Fittings	Pipe Tunnel	N/A	N/A	N/A		Concealed
Mudded Insulation on Pipe Fittings	Nurse's Office underneath Sink	Good	Good	N		
Mudded Insulation on Pipe Fittings	Kitchen (Unit Ventilators)	1 EA Damaged	Good	Y		Removed ACM associated with one unit ventilator (February 2013). Abatement activities have been documented.
Mudded Insulation on Pipe Fittings	Supply Room near Classrooms 5 and 11	Good	Good	N		
Mudded Insulation on Pipe Fittings	Supply Room Near Custodial Office	Good	Good	N		

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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: October 25, 2012

Conducted By: Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9x9 Floor Tile	At Double Doors in Hallway Outside Clinic	10 SF Damaged	10 SF Damaged	N	10 SF	Repair damaged floor tile
9x9 Floor Tile	Classroom 1	Good	Good	N		
9x9 Floor Tile	Classroom 2	Good	Good	N		
9x9 Floor Tile	Classroom 3	2 SF Damaged	2 SF Damaged	N	2 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 4	2 SF Missing	2 SF Missing	N		Replace missing floor tile
9x9 Floor Tile	Classroom 5	Good	Good	N		
9x9 Floor Tile	Classroom 6	2 SF Damaged	5 SF Lifting/Cracking	Y	5 SF	Remove damaged floor tile 5 SF Lifting @ Desk
9x9 Floor Tile	Classroom 7	5 SF Damaged	5 SF Damaged	N	5 SF	Repair damaged floor tile 5 SF in Classroom 7 1 SF in Foyer between Classrooms 6 & 7
9x9 Floor Tile	Classroom 8	1 SF Damaged	5 SF Damaged	Y	5 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 9	Good	Good	N		
9x9 Floor Tile	Classroom 10	Good	Good	N		
9x9 Floor Tile	Classroom 11	Good	Good	N		
9x9 Floor Tile	Classroom 12	3 SF Damaged	5 SF Damaged	Y	5 SF	Remove damaged floor tile

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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: October 25, 2012

Conducted By: Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9x9 Floor Tile	Classroom 13	11 SF Damaged	11 SF Damaged	N	11 SF	Remove damaged floor tile 16 SF in Classroom 13 10 SF in Foyer between Classroom 12 & 13
9x9 Floor Tile	Classroom 14 (Former Library)	12 SF Damaged	100 SF Lifting	Y	100 SF	Remove lifting/damaged floor tile
9x9 Floor Tile	Classroom 15	10 SF Damaged	5 SF Damaged	N	5 SF	Remove damaged floor tile; quantity readjusted
9x9 Floor Tile	Classroom 16	6 SF Damaged	6 SF Damaged	N	6 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 17	20 SF Damaged	56 SF Damaged	Y	56 SF	Remove damaged floor tile
9x9 Floor Tile	Classroom 18	Good	Good	N		
9x9 Floor Tile	Classroom 19	3 SF Damaged	5 SF Damaged	Y	5 SF	Remove damaged floor tile
9x9 Floor Tile	Principal's Office	Good	Good	N		
9x9 Floor Tile	Nurse's Office	Good	Good	N		
9x9 Floor Tile	Main Office (outside Principal's Office)	Good	Good	N		
9x9 Floor Tile	Hallway from Classroom 15 to Doors outside of Restrooms	10 SF Damaged	10 SF Damaged	N	10 SF	Remove damaged floor tile

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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: October 25, 2012

Conducted By: Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
9x9 Floor Tile	Hall outside of Classrooms 10-11 from Fire Doors to Exit	10 SF Damaged	12 SF Damaged	Y	12 SF	Remove damaged floor tile 6 SF @ Double Doors 6 SF @ Exterior Doors
9x9 Floor Tile	Teacher's room and supply room	Good	Good	N		
9x9 Floor Tile	Foyer and Hallway outside of Teacher's room	Good	Good	N		
9x9 Floor Tile	Foyer outside Boiler Room	Good	Good	N		
9x9 Floor Tile	Cafeteria/Gym	Covered	Covered	N		Covered
9x9 Floor Tile	Hallway at Gym Wing	10 SF Damaged	15 SF Damaged	Y	15 SF	Remove damaged floor tile
Vibration Isolator Cloth	Boiler #2 Breeching & Emergency Generator	Non-ACM	Non-ACM	Y		Determined as non-ACM from (August 2009) supplemental sampling. Remove from AHERA Management Plan.
Wall & Ceiling Plaster	Throughout School	Non-ACM	Non-ACM	Y		Determined as non-ACM from (August 2009) supplemental sampling. Remove from AHERA Management Plan.
Fire Doors Metal Encased	Boiler Room & Emergency Generator Room	Good	Good	N		Not included in August 2009 sampling of suspect ACBM; assume positive until sample results prove otherwise Recommend asbestos bulk sampling

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

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: October 25, 2012

Conducted By: Jonathan Hand

Surveillance conducted by: Jonathan Hand

Jonathan Hand

(Signature)

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

Date: _____

FUSS & O'NEILL

Periodic Surveillance Report

Administration Building

PERIODIC SURVEILLANCE FORM – List of ACBM Asbestos-Containing Materials

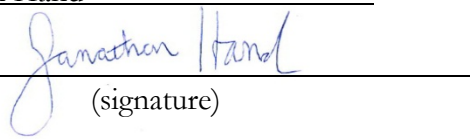
School: Administration Building
Address: 36 Sandwich Road, Bourne, MA

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

Periodic Inspection Date: 5/2/13 **Conducted By:** Jonathan Hand

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
None	N/A	N/A	Supplemental sampling conducted on 10/25/12 confirmed all surfacing materials as non-ACM	No	N/A	All sampled materials determined as non-ACM

Surveillance conducted by: Jonathan Hand



(signature)

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

Date: _____

Appendix A

Fuss & O'Neill EnviroScience Licenses

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

JONATHAN L. HAND

Eff. Date 03/15/13

Exp. Date 03/15/14

AI041945

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

WBR

14



WB-RENEW