EnviroScience Consultants inc.
Environmental Engineering ❖ Industrial Hygiene ❖ Laboratory Services

Office Locations:
Newington, CT
Fairfield, CT
Boston, MA

July 11, 2001

Mr. Robert Watmough
Director of Business Services
Bourne Public Schools
36 Sandwich Road
Bourne, MA02532

RE: 3-Year AHERA Asbestos Re-inspection and Management Plan Update
Otis Memorial Elementary School, Bourne, MA
EnviroScience Project No. 01-317.10

Dear Mr. Watmough:

Enclosed is the report of the three-year AHERA asbestos re-inspection and management plan update conducted by EnviroScience Consultants, Inc. (EnviroScience) at Otis Memorial Elementary School. This report is an important document that must be kept on file at the school as well as at a central location where all the Management Plans are preserved.

If you have any questions regarding this report, please do not hesitate to contact us. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Robert L. May, Jr.
Manager, Hazardous Materials

RLM:ec

Enclosure

Y:\WORD\Projects\01\01-317.10h.doc

795 North Mountain Road, Newington, Connecticut 06111
Phone (860) 953-2700 Fax (860) 953-2299
E-Mail: enviro.science@envirosci.com
Web Site: www.envirosci.com

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ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE-YEAR ASBESTOS RE-INSPECTION AND MANAGEMENT PLAN UPDATE
FOR

OTIS MEMORIAL ELEMENTARY SCHOOL
BOURNE, MASSACHUSETTS

PERFORMED BY

ENVIROSCIENCE CONSULTANTS, INC.
795 NORTH MOUNTAIN ROAD
NEWINGTON, CONNECTICUT 06111

For Compliance with
EPA Asbestos Hazard Emergency Response Act
(40 CFR Part 763)

July 11, 2001

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1.0 INTRODUCTION

This three-year asbestos re-inspection of Otis Memorial Elementary School was conducted in accordance with the requirements of the following regulations:

(i) United States Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) regulation (40 CFR Part 763, Section 763.85 (b)).

Mr. Scott Valerian of EnviroScience Consultants, Inc. (EnviroScience) performed the re-inspection on April 27, 2001. Mr. Valerian is an accredited Asbestos Inspector in the Commonwealth of Massachusetts (License No. AI41225). During the re-inspection, the following required tasks were performed:

1. A visual re-inspection and reassessment of all friable known or assumed asbestos-containing building materials (ACBM).

2. A visual re-inspection of ACBM that was previously considered non-friable to determine if the present condition of the material has made it friable.

3. Identification and assessment of any homogeneous area that contained new friable ACBM.

2.0 BUILDING AND MECHANICAL SYSTEM DESCRIPTION

Otis Memorial Elementary School is a one-level concrete and masonry structure that was constructed in 1962. Building areas include two wings of classrooms, offices, kitchen, multi-purpose room, and boiler room with associated crawlspaces. The total gross area of this facility is approximately 35,160 square feet.

Two hot water boilers provide perimeter radiant heating utilizing fin-tube radiators.

3.0 RE-INSPECTION REPORT

3.1 Review of Existing Records

An important part of this AHERA re-inspection involved checking documentation that were required to be present at the building being inspected as well as at the central location where all management plans are preserved.

Please see Appendix A for details of our findings.

3.2 Re-inspection Summary

The on-site portion of the re-inspection was documented on forms modeled after examples provided by the United States Environmental Protection Agency (USEPA). The first form, Re-

inspection Form 1A, abstracts inspection data gathered during the initial AHERA inspection (see Appendix B). This form is useful to reference response actions (if any) which have been performed since the last inspection. It additionally provides the inspector a "quick glance" reference when performing the re-inspection.

The second EPA form, **Re-inspection Form 1B,** is used to list all known or assumed asbestos-containing materials (ACM) that were previously unidentified (see Appendix C). It also lists the ACBM in areas newly acquired by the school for student use either permanently or temporarily.

The third EPA form, **Re-inspection Form 2**, was used to provide information and justification regarding reassessment of the ACBM (see Appendix D). This form also provides response action recommendations including a tentative schedule for completing response actions that recommended removal or repair.

Using the USEPA protocol and criteria, the following materials existing at the time of this re-inspection have been determined and/or assumed to be **ACBM**. Please refer to the above mentioned Re-inspection Forms for specific locations of the materials identified on these forms.

Homogeneous Material	Reference	Location(s)
Boiler insulation	A1	Boiler room
Boiler breeching insulation	A1	Boiler room
Hot water tank insulation	A1	Boiler room
Mud pack fitting insulation	A2	Boiler room
Mud pack fitting insulation	A3	Pipe tunnels
Mud pack fitting insulation	A7	Nurses' office
Mud pack fitting insulation	A8	Kitchen uni-vents
Mud pack fitting insulation	A9	Supply room
9"x9" VAT-various colors	B1	Throughout school
Wall plaster	Assumed	Throughout school
Vibration isolation cloth	Assumed	Boiler room, emergency boiler room generator
Fire door	Assumed	Entrances to boiler room and emergency generator room

3.3 Newly Identified or Re-sampled ACBM Materials

The following newly identified materials were determined and/or assumed to be **ACBM**:

Homogeneous Material	Sample No.	Location(s)
Vibration isolation cloth	Assumed	Emergency boiler room generator
Fire door	Assumed	Entrances to boiler room and emergency generator room

The following areas could not be inspected because of inaccessibility:

Location	Area(s)	Possible ACM
Throughout the building	Behind walls and ceilings	Pipe insulation/mudded insulation on pipe fittings

Any suspect material encountered during renovation/demolition that is not specifically identified in this report, as a non-ACM, should be assumed to contain asbestos unless sample results prove otherwise.

The information obtained during this re-inspection was transmitted to Mr. James Scott, an accredited Management Planner, so that response actions relative to the condition of the ACBM could be designed. Mr. Scott is a licensed Asbestos Management Planner in the Commonwealth of Massachusetts (License No. AP71623).

3.4 Physical Assessment of ACBMs

During inspection, suspect ACBM were separated into three USEPA categories. These categories are thermal system insulation (TSI), surfacing ACBM, and miscellaneous ACBM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded insulation on pipe-fittings. Surfacing ACBM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACBM not listed in TSI or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles.

Finally, all ACBM were quantified in linear and/or square footage depending on the nature of the material.

All ACBM identified during the inspection and still remaining in the school were reassessed using the AHERA guidelines for assessment of ACBM. The assessment categories are listed as follows:

1 = Damaged or significantly damaged TSI ACBM
2 = Damaged friable surfacing ACBM
3 = Significantly damaged friable surfacing ACBM
4 = Damaged or significantly damaged friable miscellaneous ACBM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = Any remaining friable ACBM or friable suspected ACBM

Material locations, assessments, and recommended response actions are listed in the Re-inspection forms.

4.0 MANAGEMENT PLAN UPDATE

4.1 Recommended Response Actions

Based on the inspection report, physical walk-through inspection and existing condition of the ACBM, following response actions are recommended:

1. Removal

   Refer to Re-inspection Form 2 (Appendix D).

2. Repair

   Refer to Re-inspection Form 2 (Appendix D).

3. Enclosure

   Not Applicable

4. Encapsulation

   Not Applicable

5. Operations and Maintenance (O & M)

ACBM with assessments of 1 through 6 may be recommended for removal or repair. All remaining ACBM in the school shall be placed in an Operations and Maintenance (O & M) Program. The condition of such materials will be monitored until all the ACBM have been removed from the building. A successful O & M Program include the following elements:

a) Cleaning: All areas of the school where friable ACBM or friable suspected ACBM assumed to be ACM are present shall be cleaned at least once after the completion of the initial inspection. Additional cleaning may be necessary if the Management Planner make a written recommendation indicating methods and frequency of such cleaning.

b) O & M Activities: The LEA shall ensure that the procedures described below are followed to protect building occupants for any O & M activities that may disturb known or assumed ACM:

   1. Restrict entry into the area either by physically isolating or by scheduling.
   2. Post warning signs to prevent entry by unauthorized persons.
   3. Shut off or temporarily modify the air-handling system.
   4. Use proper work practices and engineering controls such as wet methods, protective clothing, HEPA-vacuums, mini enclosures/ glove bags etc. to inhibit spread of fibers.
   5. Place all asbestos debris and other contaminated materials in a sealed, leak-tight container for eventual disposal.

c) Minor Fiber Release Episodes: The LEA shall ensure that the procedures described below are followed in the event of a minor fiber release episode (i.e., disturbance of 3 linear/square feet or less of friable ACM):

   1. Saturate the debris using wet method.

2. Place the debris in a sealed leak-tight container and clean the area.
3. Repair the area of damaged ACBM with materials such as asbestos-free spackling, plaster or insulation or seal with an encapsulant.

d) Major Fiber Release Episode: The LEA shall ensure that the procedures described below are followed in the event of a major fiber release episode (i.e., disturbance of more than 3 linear/square feet of friable ACBM):

1. Restrict entry into the area and post warning signs.
2. Shut off or temporarily modify the air handling system to prevent spread of fibers to other areas of the school.
3. **The response for any major fiber release episode must be designed by persons accredited to design response actions and conducted by persons accredited to conduct response actions.**
4. The LEA shall notify the Massachusetts Department of Labor and Workforce Development of any major fiber release episode within twenty-four hours of its occurrence and, if necessary, provide written notification as required by applicable federal and/or state regulations.

4.2 Periodic Surveillance

At least once every six (6) months after a management plan is in place, the LEA shall conduct periodic surveillance in the school that contains ACBM or assumed to contain ACM. The person conducting periodic surveillance shall visually inspect all areas in the school that have been identified in the management plan as having ACBM, record the date of surveillance, his/her name, and any changes in the condition of the materials and submit the record to the LEA Designated Person for inclusion in the management plan.

Please see Appendix E for Periodic Surveillance Form that may be used for conducting periodic surveillance.

4.3 Preventive Measures

The LEA shall institute appropriate preventive measures to eliminate the reasonable likelihood that the ACBM will become damaged, deteriorated or delaminated.

Please see Appendix F for preventive measures designed for various types of ACM that may exist in the school.

5.0 EPA CERTIFICATION REQUIREMENTS

The certificates and the licenses for the individuals (Scott Valerian and James Scott) involved in performing the re-inspection and updating the management plan are provided in Appendix G.

APPENDIX A

CHECKLIST FOR EXISTING RECORDS

CHECKLIST FOR EXISTING RECORDS

Local Education Agency (LEA): Bourne Public Schools
36 Sandwich Road, Bourne, MA

School Building: Otis Memorial Elementary School

The following documentation is required to be present in both the LEA's Office as well as in a centralized location in the administrative office of the school. The information included in this checklist shall be verified to be present and complete as part of three year re-inspection.

	DOCUMENTATION	LOCATION	
		School	LEA Office
1.	Original AHERA Inspection/Management Plan	Not seen	Yes
2.	Three year Re-inspection (First)	Not seen	Yes
3.	Three year Re-inspection (Second)	Not seen	No
4.	Three year Re-inspection (Third)	Not seen	Yes
5.	Notifications to Parents/Guardians and Teachers (yearly since last re-inspection)	Not seen	Yes
6.	Designated Person Identified and Proper Training (person must be named and have appropriate training)	Not seen	No
7.	Designated Person Periodic Surveillance (every six months since last re-inspection)	Not seen	No
8.	Record of Awareness Training for Maintenance Staff	Not seen	No
9.	Outside Vendor Awareness Notification	Not seen	No
10.	Warning Signs and Labels (required posting in Boiler room and mechanical spaces only)	Not seen	No
11.	Record of Response Actions (includes any abatement done since last re-inspection)	Not seen	Yes

Inspector: Scott Valerian Date: May 12, 2001

APPENDIX B

RE-INSPECTION FORM 1A

School Lewis Memorial Elementary Building 1962 Date(s) of Original AHERA Inspection 9/88
Reinspection 2/12/98

Homogeneous sampling areas		Material Category	Friability	Condition category (1-7)	Recorded locations	Response actions taken/ renovations/other comments
Sample number	Material description					
A1	Boiler Insulation	(TSI) Surf. Misc.	(F) NF	1	Boilers #1 & 2	380 SF (Damage - Boiler 1 tubes)
A1	Boiler Breeching Insulation	(TSI) Surf. Misc.	(F) NF	5	Boiler Room	363 SF (Encapsulated '93)
A1	Hot water tank insulation	(TSI) Surf. Misc.	(F) NF	5	Boiler Room	100 SF
A2	Mud pack fitting insulation	(TSI) Surf. Misc.	(F) NF	5	Boiler Room	48 fittings Assumed
A3	Mud pack fitting insulation	(TSI) Surf. Misc.	(F) NF	5	Pipe Tunnels	300 fittings Assumed
A7	Mud pack fitting insulation	(TSI) Surf. Misc.	(F) NF	1	Nurse's office under sink	5 fittings Assumed

Information abstracted by Scott Valerian Date 4.23.01

Friability: F = friable, NF = nonfriable

AHERA assessment category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly damaged friable miscellaneous ACBM, 5 = ACBM with potential for damage, 6 = ACBM with potential for significant damage, 7 = Any remaining friable ACBM or friable suspected ACBM

School OTIS MEMORIAL ELEMENTARY Building 1962 Date(s) of Original AHERA Inspection 9/88

REINSPECTION 2/12/98

Homogeneous sampling areas		Material Category	Friability	Condition category (1-7)	Recorded locations	Response actions taken/ renovations/other comments
Sample number	Material description					
A8	MUD PACK FITTING INSULATION	(TSI) Surf. Misc.	(F) NF	5	KITCHEN UNI-VENTS	7 FITTINGS ASSUMED
A9	MUD PACK FITTING INSULATION	(TSI) Surf. Misc.	(F) NF	1	SUPPLY ROOM NEAR C/R 5 & 11	4 FITTINGS ASSUMED
B1	9"x9" FLOOR TILE AND MASTIC	TSI Surf. (Misc.)	F (NF)	5	THROUGHOUT SCHOOL	32,000 SF (SIGNIFICANT DAMAGE)
—	PLASTER	TSI (Surf.) Misc.	(F) NF	5	THROUGHOUT SCHOOL	NO QUANTITY
—	PLASTER	TSI (Surf.) Misc.	(F) NF	3	MAIN GIRLS RESTROOM	15 SF (SIG. DAMAGE)
—	VIBRATION ISOLATION CLOTH	TSI Surf. (Misc.)	(F) NF	5	@ BREECHING, BOILERS #1 & 2	2 x 4 SF

Information abstracted by SCOTT VALERIANI Date 4-23-01

Friability: F = friable, NF = nonfriable

AHERA assessment category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly damaged friable miscellaneous ACBM, 5 = ACBM with potential for damage, 6 = ACBM with potential for significant damage, 7 = Any remaining friable ACBM or friable suspected ACBM

Reinspection Form 1 (A) - List of ACM Asbestos-Containing Materials

School Otis Memorial Elementary Building 1962 Date(s) of Original AHERA Inspection 9/88

Reinspection 2/12/98

Homogeneous sampling areas		Material Category	Friability	Condition category (1-7)	Recorded locations	Response actions taken/ renovations/other comments
Sample number	Material description					
—	Vibration isolation cloth	TSI Surf. (Misc.)	(F) NF	5	on exhaust stack, emergency boiler room generator	4 sf
		TSI Surf. Misc.	F NF			
		TSI Surf. Misc.	F NF			
		TSI Surf. Misc.	F NF			
		TSI Surf. Misc.	F NF			
		TSI Surf. Misc.	F NF			

Information abstracted by Scott Valerian Date 4.23.01

Friability: F = friable, NF = nonfriable

AHERA assessment category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly damaged friable miscellaneous ACBM, 5 = ACBM with potential for damage, 6 = ACBM with potential for significant damage, 7 = Any remaining friable ACBM or friable suspected ACBM

APPENDIX C

RE-INSPECTION FORM 1B

Reinspection Form I (B) - New Suspect Asbestos-Containing materials previously unidentified

School Otis Memorial Elementary Building 1962 Date(s) of RE-Inspection 4.27.01

Homogeneous sampling areas		Material Category	Quantity (SF/LF)	Friability	Assessment category (1-7)	Recorded locations of material for each assessment category	Asbestos Content (%)
Sample number	Material description						
	Vibration Isolation Cloth	TSI Surf. (Misc.)	2 SF	(F) NF	5	Emergency Boiler Room Generator Air Intake	
	Fire Doors - Metal Encased	TSI Surf. (Misc.)	2 Doors	F (NF)	5	Entrances to Boiler Rm. & Emergency Generator Rm.	
		TSI Surf. Misc.		F NF			
		TSI Surf. Misc.		F NF			
		TSI Surf. Misc.		F NF			
		TSI Surf. Misc.		F NF			

Inspected by Scott Valerian Date 4.27.01

Friability: F = friable, NF = nonfriable

AHERA assessment category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly damaged friable miscellaneous ACBM, 5 = ACBM with potential for damage, 6 = ACBM with potential for significant damage, 7 = Any remaining friable ACBM or friable suspected ACBM

APPENDIX D

RE-INSPECTION FORM 2

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description Boiler Insulation ID Number A1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
Boiler #1	None Detected	F / NF	—	Boiler replaced '99	N/A	—	—
Boiler #2	190 SF	(F) / NF	5	Insulation in good condition	O+M	→	4-04
		F / NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623 / MA

Expiration date July 19, 2001

I, the LEA's Designated Person, have read and understood the recommendations made above: Date:

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description Boiler Breeching Insulation ID Number A1

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
Boiler Room	363 SF	(F) NF	1	Jacket loose on one end - ~4sf damage
		F NF		
		F NF		

Were additional samples of this ACBM collected? Yes (No)

Inspectors name Steve Valcourt

Inspector signature [signature]

Accreditation # State AI 41225 / MA

Expiration date 7.12.01

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule	
	Begin	Complete
Repair	6-01	12-02

Date of Management Planner review: June 19, 2001

Management Planner name James Scott

Management Planner signature [signature]

Accreditation #/State AP 71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description Hot Water Tank Insulation ID Number A1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
Boiler Room	1005f	(F) NF	5	Good Condition	O+M	→	4-04
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valerian

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School OTIS MEMORIAL ELEMENTARY Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description MUD PACK FITTING INSULATION ID Number AZ

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
BOILER ROOM	30 FITTINGS	(F) NF	5	GOOD CONDITION (SOME FITTINGS REMOVED W/ BOILER REPLACEMENT)
BOILER ROOM - BEHIND BOILER #1 - HOT WATER LINE @ SEAM CRK	1 FITTING	(F) NF	1	FITTING IS BADLY DAMAGED
		F NF		

Were additional samples of this ACBM collected? Yes (No)

Inspectors name SCOTT VALERIANI

Inspector signature [signature]

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule: Begin	Schedule: Complete
O+M	→	4-04
REMOVE	6-01	12-02

Date of Management Planner review: June 19, 2001

Management Planner name JAMES SCOTT

Management Planner signature [signature]

Accreditation #/State AP71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description Mud Pack Fittings Insulation ID Number A3

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
Pipe Tunnels	~300 Fittings	(F) NF	5	Good condition, low potential for disturbance
		F NF		
		F NF		

Were additional samples of this ACBM collected? Yes (No)

Inspectors name Scott Valeriani

Inspector signature [signature]

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule Begin	Schedule Complete
O+M	→	4-04

Date of Management Planner review: June 19, 2001

Management Planner name James Scott

Management Planner signature [signature]

Accreditation #/State AP 71623 /MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School OTIS MEMORIAL ELEMENTARY Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description MUD PACK FITTING INSULATION ID Number A7

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
NURSES OFFICE UNDER SINK	4 FITTINGS	(F) NF	5	GOOD CONDITION, HIGH DAMAGE POTENTIAL
		F NF		
		F NF		

Were additional samples of this ACBM collected? Yes (No)

Inspectors name SCOTT VALERIANI

Inspector signature [signature]

Accreditation #/State AI 41225 / MA

Expiration date 7.12.01

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule	
	Begin	Complete
O+M	→	4-04

Date of Management Planner review: June 19, 2001

Management Planner name JAMES SCOTT

Management Planner signature [signature]

Accreditation #/State AP71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description Mud Pack Fitting Insulation ID Number AB

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
Kitchen Unit Vents	7 Fittings	(F) NF	5	Good Condition, low damage potential	O+M	→	4-04
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature James Scott

Accreditation #/State MP 71623/MA

Expiration date July 19, 2001

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

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description Mud Pack Fitting Insulation ID Number A9

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
Supply Room near c/r 5 & 11	1 Fitting	(F) NF	1	1 fitting left (4 i.d.'d in '98 inspection) covered completely in duct tape	O+M	→	4-04
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valerian

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623 / MA

Expiration date July 19, 2001

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

School OTIS MEMORIAL ELEMENTARY Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD w/ DARK BROWN SPECKLED & DARK PINK SPECKLED ID Number B1

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
HALLWAY BTWN. NURSE'S OFFICE & FACILITIES OUTSIDE ROOMS 9 & 4 (C/R)	820 SF	F (NF)	5	OVERALL GOOD COND. 5 MISSING, 20 SF REPLACED W/ WHITE 12"x12"
C/R 1	750 SF	F (NF)	5	OVERALL GOOD CONDITION
		F NF		

Were additional samples of this ACBM collected? Yes (No)

Inspectors name Scott Valeriano

Inspector signature

Accreditation #/State AI 41225 / MA

Expiration date 7-12-01

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule: Begin	Schedule: Complete
O+M	→	4-04
O+M	→	4-04

Date of Management Planner review: June 19, 2001

Management Planner name JAMES Scott

Management Planner signature

Accreditation #/State AP 71413 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9" x 9" VAT - CHECKERBOARD W/ TAN SPECKLED & GREEN SPECKLED ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
HALLWAY OUTSIDE C/R 10 & 11 FROM FIREDOORS TO BUILDING EXIT	320 SF	F (NF)	5	OVERALL POOR CONDITION MANY MISSING CORNERS 1/6 OF LIFTED & CRACKED SIG. DAM. @ EXIT DOOR	Remove lifted & cracked, and that damaged @ exit door.	6-01	12-02
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AI 41225 / MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9" x 9" VAT - CHECKERBOARD STRIATED GREEN w/ WHT & STRIATED BLUE w/ WHT ID Number B1

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
C/R 2	750 SF	F (NF)	5	SOME ISOLATED DAMAGE (BROKEN/MISSING CORNERS) 16 SF REPLACED w/ 9" x 9" TAN/BROWN
		F NF		
		F NF		

Were additional samples of this ACBM collected? Yes (No)

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AI 41225 / MA

Expiration date 7-12-01

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule: Begin	Schedule: Complete
O+M	→	4-04

Date of Management Planner review: June 19, 2001

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD PINK & GREY ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
C/A 3	750 SF	F (NF)	5	OVERALL GOOD CONDITION THOUGH WORN	O+M	→	4-04
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AT-01225/MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623/MA

Expiration date July 19, 2001

I, the LEA's Designated Person, have read and understood the recommendations made above: Date:

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD GREEN SPECKLED; BROWN SPECKLED ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule: Begin	Schedule: Complete
C/R 4	750 SF	F (NF)	5	OVERALL GOOD CONDITION	O+M	→	4-04
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valerian

Inspector signature

Accreditation #/State AT 41225/MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - BLUE STRIATED w/ WHITE ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
C/R 5	900 SF	F (NF)	5	ISOLATED DAMAGE IN FRONT OF EXIT DOOR (~6 SF DAMAGED OR MISS.)	Remove	6-01	~~4-04~~ 12-02
C/R 6	750 SF	F (NF)	5	SCATTERED DAMAGE - TILES LOOSE & MISSING 10 SF REPLACED w/ 12"x12" WHITE VINYL TILE	Remove loose tiles (est: 10)	6-01	~~4-04~~ 12-02
PRINCIPAL'S OFFICE	140 SF	F (NF)	5	GOOD CONDITION	O+M	→	4-04

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Vaneriani

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State MP 71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9" x 9" VAT - SPECKLED PINK & BROWN ID Number B1

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
C/R 11	750 SF	F (NF)	5	OVERALL GOOD CONDITION - 2 DAMAGED TILES @ EXIT DOOR
C/R 13	750 SF	F (NF)	5	GOOD CONDITION - 40 SF REPLACED W/ WHITE 12" x 12" VINYL TILE
C/R 17	750 SF	F (NF)	5	OVERALL GOOD CONDITION - 3 ISOLATED CRACKING TILES NEAR WINDOWS

Were additional samples of this ACBM collected? Yes (No)

Inspectors name Scott Valerian

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7.12.01

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule: Begin	Schedule: Complete
O+M	→	4-04
O+M	→	4-04
O+M	→	4-04

Date of Management Planner review June 19, 2001

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9" x 9" VAT - SPECKLED LIGHT & DARK GREY ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
C/R 10	750 SF	F (NF)	5	OVERALL DAMAGED - 1/2 ROOM TILES LIFTING AND CUPPING - 6 TILES MISSING UNDER TEACHER'S DESK	Remove lifting + cupping tiles O+M - balance	6-01	12-02
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriano

Inspector signature

Accreditation #/State AT 41225 / MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State MP 71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD BROWN & GREEN SPECKLED ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
C/R 9	750 SF	F (NF)	5	OVERALL GOOD CONDITION THOUGH WORN	O+M	→	4-04
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AI #1225/MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - PINK SPECKLED ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
C/R 8	750 SF	F (NF)	5	60 SF LIFTING/CUPPING ALL INTACT 16 SF REPLACED w/12"x12" WHITE VINYL TYLE	Remove 60SF lifting/cupping	6-01	12-02
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valerian

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - Checkerboard Dk. & Lt. Green ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule: Begin	Schedule: Complete
C/R 7	750 SF	F / (NF)	5	8 MISSING TILES 16 TILES IN 4 AREAS W/ MISSING CORNERS	O+M	→	~~O+M~~ 4-04
		F / NF					
		F / NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valerian

Inspector signature [signature]

Accreditation #/State AI 41225/MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature [signature]

Accreditation #/State AP 71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - Brown/Green/White Speckled ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule Begin	Schedule Complete
Nurse's Office	250 SF	F (NF)	5	Good condition overall	O+M	→	4-04
Main Office (outside Principal's)	200 SF	F (NF)	5	Good condition overall	O+M	→	4-04
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valerian

Inspector signature

Accreditation #/State AE 41225/MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP71623/MA

Expiration date July 19, 2001

I, the LEA's Designated Person, have read and understood the recommendations made above: Date:

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School OTIS MEMORIAL ELEMENTARY Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - TAN & BROWN CHECKED ID Number B1

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
HALLWAY FROM C/R 15 TO DOORS OUTSIDE RESTROOMS	1600 SF	F (NF)	5	20% OF TOTAL AREA HAS CUPPING & MISSING CORNERS – 2 MISSING TILES – 75 SF REPLACED w/ 12"x12" WHITE VINYL TILE
TEACHERS ROOM & ADJ. SUPPLY ROOM	600 SF	F (NF)	5	GOOD CONDITION OVERALL
		F NF		

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule: Begin	Schedule: Complete
Remove cupping (est: 160 SF) bal: O+M	6-01	12-02
O+M	→	4-04

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name SCOTT VALERIANI

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name JAMES SCOTT

Management Planner signature

Accreditation #/State MP 71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2 Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD w/ OLIVE & BLUE SPECKLED & TAN & BROWN SPECKLED ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule Begin	Schedule Complete
C/R 12, 18	1500 SF	F (NF)	5	GOOD CONDITION OVERALL	O+M	→	4-04
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature

Accreditation #/State MP 71623/MA

Expiration date July 19, 2001

I, the LEA's Designated Person, have read and understood the recommendations made above: Date:

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD GREY & BROWN SPECKLED / MUSTARD & GREEN SPECKLED ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule Begin	Schedule Complete
C/R 14 (LIBRARY)	750 SF	F (NF)	5	4 CORNERS MISSING IN ONE SPOT - 20 SF REPLACED 12"x12" BROWN	O+M	→	4-04
C/R 16	750 SF	F (NF)	5	7 MISSING TILES IN ONE AREA, 4 MISSING CORNERS IN ONE AREA	O+M	→	4-04
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2 Reinspection of ACBM: Findings and Management Planner Recommendations

School OTIS MEMORIAL ELEMENTARY Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD DK. GREEN STRIATED W/ AQUA & LT. GREEN STRIATED W/ BROWN ID Number B1

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule: Begin	Schedule: Complete
C/R 15	750 SF	F (NF)	5	8 DAMAGED/MISSING CORNERS, 60SF REPLACED W/ GREEN 12"x12" VINYL TILE	O+M	→	4-04
		F NF					
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name SCOTT VALERIAN

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7.12.01

Management Planner name JAMES SCOTT

Management Planner signature

Accreditation #/State AP71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - Speckled Pink w/ Aqua ID Number B1

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
C/R 19	750 SF	F (NF)	5	CLOSET AREA 20 SF MISSING, 10 SF MISSING NEAR WINDOWS
		F NF		
		F NF		

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule	
	Begin	Complete
O+M	-7	4-04

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Vaccaro

Inspector signature

Accreditation #/State AF 41225 / MA

Expiration date 7.12.01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623 / MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD TAN w/ BROWN SPECKLES/ BROWN w/ WHT & GREEN SPECKLED ID Number B1

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
FOYER & HALLWAY OUTSIDE TEACHER'S ROOM	1300 SF	F (NF)	5	GOOD CONDITION OVERALL - 175SF @ ENTRANCE REPLACED w/ 12"x12" WHITE VINYL TILE
		F NF		
		F NF		

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule: Begin	Schedule: Complete
O&M	-7	4-04

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review June 19, 2001

Inspectors name Scott Vaughan

Inspector signature [signature]

Accreditation #/State AF 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature [signature]

Accreditation #/State MP71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description 9"x9" VAT - CHECKERBOARD GREY STRIATED w/ AQUA & TAN STRIATED w/ AQUA ID Number B1

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
CAFETERIA/GYM	3500 SF	F (NF)	5	9 MISSING TILES IN 4 AREAS - MANY MISSING CORNERS - 100 SF REPLACED w/ 12"x12" WHITE VINYL TILE
		F NF		
		F NF		

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule: Begin	Schedule: Complete
O+M	→	4-04

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Vaughan

Inspector signature [signature]

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature [signature]

Accreditation #/State AO71623/MA

Expiration date July 19, 2001

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

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School OTIS MEMORIAL ELEMENTARY Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description WALL PLASTER ID Number

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule: Begin	Schedule: Complete
MAIN GIRLS RESTROOM	15 SF	F (NF)	5	PREVIOUSLY IDENTIFIED DAMAGE REPAIRED BY MAINTENANCE - SEPT. '00	O+M	→	4-04
THROUGHOUT SCHOOL	NO QUANTITY	F (NF)	5	GOOD OVERALL CONDITION	O+M	→	4-04
		F NF					

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review June 19, 2001

Inspectors name Scott Valcriani

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623/MA

Expiration date July 19, 2001

I, the LEA's Designated Person, have read and understood the recommendations made above: Date:

School Otis Memorial Elementary Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description Vibration Isolation Cloth ID Number

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures	Schedule: Begin	Schedule: Complete
Boiler #2 Breeching	4 SF	(F) NF	5	Good Condition	O+M	→	4-04
Emergency Boiler Room Generator Air Intake	2 SF	(F) NF	5	Good Condition	O+M	→	4-04
Emergency Boiler Room Generator Exhaust Stack	None Observed	F NF	—	None on exhaust - on air intake	N/A	—	—

Were additional samples of this ACBM collected? Yes (No)

Date of Management Planner review: June 19, 2001

Inspectors name Scott Valeriani

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7-12-01

Management Planner name James Scott

Management Planner signature

Accreditation #/State AP 71623/MA

Expiration date July 19, 2001

I, the LEA's Designated Person, have read and understood the recommendations made above: Date:

Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School OTIS MEMORIAL ELEMENTARY Building 1962 Date(s) of Reinspection 4.27.01

Homogeneous Sampling Area: Material Description FIREDOOR - METAL ENCASED ID Number

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment
ENTRANCES TO BOILER RM & EMER. GENERATOR RM.	2 DOORS	F (NF)	5	GOOD CONDITION - METAL CASING INTACT
		F NF		
		F NF		

Were additional samples of this ACBM collected? Yes (No)

Inspectors name SCOTT VALERIANI

Inspector signature

Accreditation #/State AI 41225/MA

Expiration date 7.12.01

MANAGEMENT PLANNER RECOMMENDATIONS

Preventive measures	Schedule: Begin	Schedule: Complete
O+M	→	4-04

Date of Management Planner review: June 19, 2001

Management Planner name JAMES Scott

Management Planner signature

Accreditation #/State AP 71623 / MA

Expiration date July 19, 2001

I, the LEA's Designated Person, have read and understood the recommendations made above: Date:

APPENDIX E

PERIODIC SURVEILLANCE FORM

PERIODIC SURVEILLANCE FORM

Local Education Agency (LEA): Bourne Public Schools, 36 Sandwich Road, Bourne, MA

Facility Address: _____

_____

Date of Surveillance: _____

ACBM DAMAGE REPORT

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments

Conditions: G = Good
D = Damaged
SD = Significant damage

Surveillance conducted by: _____

_____
(signature)

EnviroScience Consultants Inc.

APPENDIX F

PREVENTIVE MEASURES

PREVENTIVE MEASURES
FOR VARIOUS ASBESTOS-CONTAINING MATERIALS

A. SURFACING MATERIALS

"Surfacing Materials" means materials in a school building that are sprayed-on, troweled-on, or otherwise applied to surfaces. These include sprayed-on fireproofing materials on structural members, ceiling and wall plasters, or other materials applied to surfaces for acoustical, fireproofing, or other purposes.

Surfacing Materials are generally considered friable and can release asbestos fibers if damaged by impact, air erosion, vibration, and/or water intrusion. The following procedures, when properly implemented, will reduce the potential for fiber release:

1. Sprayed-on fire-proofing

   a) Identify the materials and post warning signs on the laid-in or glued-in ceiling tile. If the decking is not covered, place the sign on the wall.
   b) Maintain the materials in intact state and undamaged condition. During winter, pigeons, squirrels and other rodents tend to roost in boiler/machine rooms and dislodge sprayed-on fireproofing on the decking. Prevent such possibilities.
   c) Prevent water leakage. If the material is significantly damaged, removal is the best option. For minor damage, enclosure is a temporary solution. Encapsulation of damaged sprayed-on fireproofing material is not recommended.
   d) Train the custodial people who are responsible for care and maintenance of surfacing materials. Please note that the repair/removal can only be performed by a licensed abatement contractor.

2. Ceiling and wall plaster

   a) Identify the materials and post warning signs.
   b) Maintain the materials in intact state and undamaged condition. Avoid storing/stacking on/near the materials to reduce contact damage.
   c) Prevent water leakage. If the material is significantly damaged, removal is the best option. For minor damage, repair or enclosure is a temporary solution.
   d) Train the custodial people who are responsible for care and maintenance of surfacing materials.

B. THERMAL SYSTEM INSULATION (TSI)

"Thermal System Insulation (TSI)" means insulating materials applied to pipes, pipe fittings, boilers, breechings, tanks, ducts, or other components to prevent process heat loss or gain, water condensation, or for other purposes (e.g., fire door insulation core).

TSI are generally considered friable asbestos-containing materials. This means they can be easily damaged, increasing the potential for fiber release. The following procedures, when properly implemented, will reduce the potential for fiber release:

1. Boiler and breeching insulation

   a) Identify the locations and label the boiler. Warning signs should be posted outside the boiler room.
   b) Reduce the likelihood of fiber release by ensuring that the insulation is not damaged. Avoid storing/stacking on/near the boiler to reduce contact damage.
   c) Maintain the insulation in intact state and undamaged condition. Repair damaged areas as soon as possible to prevent further deterioration. If repair is not feasible due to extensive damage/deterioration, remove the material.
   d) Train the custodial people who are responsible for care and maintenance of TSI. Please note that the repair/removal can only be performed by a licensed abatement contractor.

2. Pipe, pipe-fittings, tank and duct insulation

   a) Identify the locations and label the materials. Warning signs should be posted outside of rooms that have TSI materials.
   b) Reduce the likelihood of fiber release by ensuring that the materials are not damaged. Avoid storing/stacking near the materials to reduce contact damage.
   c) Maintain all TSI materials in intact state and undamaged condition. Inspect the protective jackets for damage. Repair damaged areas as soon as possible to prevent further deterioration. If repair is not feasible due to extensive damage/deterioration, remove the material.
   d) Train the custodial people who are responsible for care and maintenance of TSI. Please note that the repair/removal can only be performed by a licensed abatement contractor.

3. Fire door

   a) Identify the locations and label the materials.
   b) Since there may be a number of different types of fire doors throughout a building, fire door cores must be considered to have asbestos-containing interior insulation unless sample result prove otherwise. Prior to performing any maintenance on any door (lock change, drilling, etc.), the door should be surveyed by qualified personnel to rule out the existence of an asbestos core.
   c) Train the custodial people who are responsible for care and maintenance of TSI. Please note that the repair/removal can only be performed by a licensed abatement contractor.

C. MISCELLANEOUS MATERIALS

"Miscellaneous Materials" are all other asbestos-containing materials in a school building that do not fall under the categories of Surfacing Materials or TSI. These include floor tiles, floor tile and carpet mastic, gypsum wallboard and joint compound, ceiling tiles, glue daubs, transite panels, laboratory counter tops, wallbase and associated glue, window caulking and glazing compounds etc. The following maintenance procedures are recommended for these materials:

1. Vinyl Asbestos Floor Tiles (VAT)

Vinyl Asbestos Floor Tiles (VAT) are considered non-friable, however routine maintenance procedures such as spray-buffing, burnishing, wet scrubbing, and stripping can generate asbestos fibers. Following procedures, when properly implemented, will reduce the potential of fiber release:

a) Do not sand, grind or abrade the tiles. Stripping of VAT should be done as infrequently as possible. When stripping becomes necessary, follow the appropriate work practices. Never perform dry stripping.
b) During spray-buffing or burnishing the floor, operate the machine at the lowest workable speed and use the least abrasive pad. Use a wet mop for routine cleaning whenever possible.
c) Routinely check whether chair and desk glides are in good condition and replace when necessary. Worn glides can gouge the floor and cause fiber release.
d) Place carpets/floor mats in all entrances to reduce abrasion of floor tiles by sand and pebbles. During winter, have parking lots and walkways swept to the extent possible to avoid the tracking of salt and ice-melting compounds into the school by the students.
e) Train the custodial people who are responsible for care and maintenance of VAT. Please note that the repair/removal can only be performed by a licensed abatement contractor.

2. Gypsum wallboard and joint compound assembly

a) Since there may exist a number of different homogeneous assemblies in a building, all sheetrock/joint compound must be assumed to be ACBM unless sample result prove otherwise. If any specific areas are going to be disturbed, the material in that area should be sampled.
b) Reduce the likelihood of fiber release by avoiding cutting or drilling holes through the sheetrock panels.

3. Ceiling Tile and Glue Daubs

a) Reduce the likelihood of fiber release by limiting access to the area above the ceiling tiles. Maintain the ceiling tiles in undamaged condition. Replace any damaged or water-stained tile.
b) If the ceiling tiles are negative for asbestos, sample and analyze the glue daubs to ascertain whether these are asbestos-containing before the tiles are replaced.

4. Transite Panels, Laboratory Counter Tops, Window Caulking and Glazing Compounds

a) Reduce the likelihood of fiber release.
b) Maintain transite panels, lab tabletops and window caulking and glazing compounds in undamaged condition.

5. Carpet Glue, Blackboard/ Tack Board Glue, Sink Undercoating, Floor Tile Mastic, Baseboard and Mastic

a) Reduce the likelihood of fiber release by leaving base cove and carpets in place.
b) Maintain carpets and base cove in good condition. Sample and analyze the glue and the mastic to ascertain whether these are asbestos-containing if the renovation activities are going to impact the carpet and the baseboard.

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APPENDIX G

AHERA CERTIFICATES

Commonwealth of Massachusetts

Division of Occupational Safety

Robert J. Prezioso, Deputy Director

Asbestos Inspector

JAMES L. SCOTT

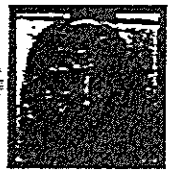
Eff. Date 07/19/2000

Exp. Date 07/18/2001

AI 70687

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

SP 000687



SP-R

Commonwealth of Massachusetts

Division of Occupational Safety

Robert J. Prezioso, Deputy Director

Asbestos Management Planner

JAMES L. SCOTT

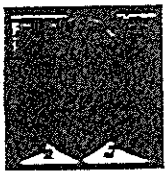
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AP 71263

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

SP 001263



SP-R

State of Connecticut

Board of Trustees, Community-Technical Colleges

Capital Community-Technical College

401 Flatbush Avenue, Hartford, CT 06106 -- (860) 987-4814

This is to certify that

James Scott

153 North Washington Street, Belchertown MA 01007

SS# 389-90-6236

has successfully completed the

8 Hr. Asbestos Management Planner Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

Ray T. Frenden

Principal Instructor

Patricia Lindsey

Training Manager

October 11, 2000

Date of Course

AMP-R-11/11-4

Certificate Number

October 11, 2000: A

Examination Date & Grade

October 11, 2001

Expiration Date

Commonwealth of Massachusetts

Division of Occupational Safety

Robert J. Prezioso, Deputy Director

Asbestos Inspector

R. SCOTT VALERIAN

Eff. Date 07/13/2000

Exp. Date 07/12/2001

AI 41225

Member of C O N E S

NB 001225



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