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

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

April 10, 1998

BUSINESS FILE

Mr. Robert Watmough
Director of Business Services
Bourne Public Schools
36 Sandwich Road
Bourne, Massachusetts 02532

RE: **Maintenance and Storage Buildings at Pebbles Elementary School, Bourne, MA**
Three Year AHERA Reinspection
EnviroScience Project No. 98-151.10

Dear Mr. Watmough:

Enclosed is the inspection report for the three-year AHERA asbestos reinspection conducted by EnviroScience Consultants, Inc. at the Maintenance and Storage Buildings. This report must be kept on file at the school and at the office of the Superintendent of Schools.

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

Sincerely,

James L. Scott, C.I.H.
Manager, Industrial Hygiene

DE:nb

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795 North Mountain Road, Newington, Connecticut 06111
Phone (860) 953-2700 Fax (860) 953-3203

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ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE-YEAR ASBESTOS REINSPECTION
FOR
MAINTENANCE AND STORAGE BUILDINGS
BOURNE, MASSACHUSETTS

PERFORMED BY

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

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

David B. Eppler
Inspector (#AI 51043)

6-2-97 to 6-1-98
Dates of Accreditation

Massachusetts
State of Accreditation

James L. Scott, C.I.H.
Management Planner (#AP71263)

8-5-97 thru 8-4-98
Dates of Accreditation

Massachusetts
State of Accreditation

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1.0 INTRODUCTION

This three-year asbestos reinspection of the Maintenance and Storage Buildings on the grounds of Pebbles Elementary School, Bourne, Massachusetts was conducted in accordance with the Asbestos Hazardous Emergency Response Act (AHERA) 40 CFR 763.85(b). This reinspection was performed on February 12, 1998, by David Eppler. Mr. Eppler is a representative of EnviroScience Consultants, Inc. (EnviroScience) and is an accredited AHERA Inspector (Massachusetts License No. AI51043). During the reinspection, the following required tasks were performed.

1. A visual reinspection and reassessment of friable materials known or assumed to be asbestos-containing building materials (ACBM).

2. A visual reinspection and reassessment of non-friable materials previously considered to be ACBM to determine the current condition of the material.

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

2.0 BUILDING AND MECHANICAL SYSTEMS DESCRIPTION

The Maintenance Building is a one level wood frame structure which include three bays with overhead doors, a boiler room, and restroom. The Storage Building a two level structure of three truck bays on the lower level and storage space on the upper level. The total gross area of the Maintenance Building is approximately 1,200 square feet and that of the Storage Building is 2,030 square feet.

One heater in each building provides forced hot air through ductwork.

3.0 REINSPECTION REPORT

3.1 Reinspection Summary

The information obtained during this reinspection was transmitted to an AHERA-accredited management planner so that response actions relative to the condition of the ACBM could be designed. James Scott is the accredited Management Planner (Massachusetts License No. AP71263) for this project.

The on-site portion of the reinspection was documented on two forms provided by the United States Environmental Protection Agency (EPA). The first form, Reinspection Form 1, (see Appendix A), abstracts inspection data gathered during the initial AHERA inspection. 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 reinspection.

The second EPA form used was Reinspection Form 2 (see Appendix B). This form provides information and justification regarding any reassessment of ACBM. This form also provides response action information including a tentative schedule for completing any required response actions.

3.2 Previous Response Actions

No abatement activities were documented within the last three years.

3.3 Previously Unidentified Suspect ACBM or Known ACBM

Sheetrock/joint compound of approximately 6,000 square feet exists in the upper level storage area of the Storage Building. The material is suspect ACBM and therefore will be incorporated into the management plan. A material ID number, along with assessments, response actions, and priority rankings will also be included.

This information can be found on Reinspection form 2 in Appendix B. No samples were collected of this material.

3.4 Sampling

No samples were collected during this reinspection of the Maintenance and Storage Buildings. Materials that are assumed to be ACBM must continue to be considered ACBM until the actual asbestos content of the material is determined.

4.0 MANAGEMENT PLAN UPDATE

All locations of ACBM remaining in the school, assessments of these materials and recommended response actions are located on Reinspection Form 2 in Appendix B. It should be noted that only materials with response actions of 1 through 5 are recommended for removal or repair. The remaining materials in the building should be addressed with the Operations and Maintenance Program which includes periodic surveillance inspections.

4.1 Recommended Response Actions

1. Isolate area and restrict access. Remove as soon as possible.
2. Continue O&M. Repair or remove as soon as possible, or reduce potential for disturbance.

3-5. Repair or remove, continue O&M. Number indicates priority if all repairs cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

4.2 Damaged ACBM or Damaged Assumed ACBM

All damaged ACBM or damaged assumed ACBM within the Maintenance and Storage Buildings is listed below. Locations, conditions, and management planner response actions are also given.

1. Storage Building, first floor storage area, restroom - 125 SF significantly damaged 9" x 9" VAT. Response Action 3.

5.0 EPA CERTIFICATION REQUIREMENTS

The EPA AHERA certificates and the licenses for the individuals (David Eppler and James Scott) involved in performing the reinspection and updating the management plan are provided in Appendix E.

6.0 DESIGNATED PERSON ASSURANCE COMPLIANCE

This section is included to ensure compliance with the requirements of AHERA 40 CFR Part 763.93 regarding response action and training. Please see Appendix F of this report for the form to be used for this purpose.

7.0 MANAGEMENT PLAN REQUIREMENTS

The following tasks are required under AHERA. All documentation from the performance of these tasks shall be incorporated into the management plan as required by AHERA.

1. The local education agency shall notify in writing parent, teacher, and employee organizations of the availability of the management plan for inspection. The notification shall be sent at least once each school year.

2. Provide two-hour asbestos awareness training to all new and current custodial employees whom have not received such training.

3. Perform periodic surveillance on all ACBM in each school building at least once every six months. The person performing the surveillance shall be assigned by the designated person.

4. Perform a reinspection of each school at least once every three years. The reinspection shall be performed by an accredited inspector who reinspects all ACBM and updates the management plan.

5. Perform repair or removal activities in a timely fashion on ACBM that has become friable from damage.

6. Document all abatement activities which includes repair, enclosure, and removal operations.

7. Ensure that short-term workers (e.g. utility workers, exterminators etc.) who may come in contact with ACBM are provided information on location of all ACBM.

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APPENDIX A

REINSPECTION FORM 1

Reinspection Form 1. Original AHERA Inspection Information Abstracted from the Management Plan Page ___ of ___

School Maintenance Building/Storage Building Building Located at Peebles Elementary Date(s) of Original AHERA Inspection 9/88 Reinspection 9/94

Homogeneous sampling areas		Material category	Asbestos content	Friability	AHERA assessment category (1-7, X, None)	Recorded locations of material for each assessment category	Response actions taken/ renovations/other comments
ID number	Material description						
B1	Transite Panels	TSI Surf. (Misc.)	(Assumed) Yes No	F (NF) X	X	Garage Bay, left side (storage building)	Good condition '94 used as ceiling material
B2	9x9 VAT and mastic	TSI Surf. (Misc.)	Assumed (Yes) No	F (NF) X	X	First Floor Storage Area (Storage building)	material significantly damaged 1994
B2	9x9 VAT and mastic	TSI Surf. (Misc.)	Assumed (Yes) No	F (NF) X	X	maintenance building bathroom	
		TSI Surf. Misc.	Assumed Yes No	F NF X			
		TSI Surf. Misc.	Assumed Yes No	F NF X			
		TSI Surf. Misc.	Assumed Yes No	F NF X			

Information abstracted by Robert Mercier Date 2-12-98

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

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, X = not applicable (material is non-ACBM or nonfriable surfacing or miscellaneous material), None = No assessment category provided in original inspection.

APPENDIX B

REINSPECTION FORM 2

School Maintenance Building Building Located Rear of Peebles Elem. Date(s) of Reinspection 2/12/98

Homogeneous Sampling Area: Material Description 9" x 9" VAT & Mastic ID Number B2

REINSPECTION FINDINGS FOR ACBM						MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7, X)	Justification of assessment category	Change in assessment	Preventive measures, response actions, and initial/additional cleanings	Schedule: Begin	Schedule: Complete
Bathroom	35 S.F.	F / (NF)	X	Tile is in good condition	Yes / (No)	7		
		F / NF			Yes / No			
		F / NF			Yes / No			

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

Date of management planner review: 9 Apr 98

Inspector name David Eppler

Inspector signature David Eppler

Accreditation #/State AI 31043 / MA

Expiration date 6/01/98

Management planner name Jim Scott

Management planner signature Jim Scott

Accreditation #/State AP 70688 / MA

Expiration date 8/04/98

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

School Storage Building Building Located next to Peebles Elem. Date(s) of Reinspection 2/12/98

Homogeneous Sampling Area: Material Description Transite Ceiling Paneling ID Number B1

REINSPECTION FINDINGS FOR ACBM						MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7, X)	Justification of assessment category	Change in assessment	Preventive measures, response actions, and initial/additional cleanings	Schedule: Begin	Schedule: Complete
Left Side Garage Bay	192 S.F.	F / (NF)	X	Paneling is undamaged w/ low potential for damage	Yes / (No)	7		
		F / NF			Yes / No			
		F / NF			Yes / No			

Were additional samples of this ACBM collected? (Yes) No sampled in '94

Date of management planner review: 9 Apr 98

Inspector name David Eppler

Inspector signature David Eppler

Accreditation #/State AI 51043 / MA

Expiration date 6/01/98

Management planner name Jim Scott

Management planner signature Jim Scott

Accreditation #/State AP 70688 / MA

Expiration date 8/4/98

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

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

Page ___ of ___

School Storage Building Building ___ Date(s) of Reinspection 2/12/98

Homogeneous Sampling Area: Material Description 9"x9" Floor tile and mastic ID Number B2

REINSPECTION FINDINGS FOR ACBM						MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7, X)	Justification of assessment category	Change in assessment	Preventive measures, response actions, and initial/additional cleanings	Schedule: Begin	Schedule: Complete
First Floor Storage Area and Restroom	125SF	F / (NF)	X	Significantly damaged	Yes / (No)	3 Remove		
		F / NF			Yes / No			
		F / NF			Yes / No			

Were additional samples of this ACBM collected? Yes No

Date of management planner review: 9 Apr 98

Inspector name David Eppler

Inspector signature David Eppler

Accreditation #/State AI 51043 / MA

Expiration date 6/01/98

Management planner name James Scott

Management planner signature [signature]

Accreditation #/State AP 70688

Expiration date 8/04/98

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

School Storage Building Building Located next to Peebles Elem Date(s) of Reinspection 2/12/98

Homogeneous Sampling Area: Material Description Sheetrock & Joint Compound ID Number B-3 (newly identified)

REINSPECTION FINDINGS FOR ACBM						MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7, X)	Justification of assessment category	Change in assessment	Preventive measures, response actions, and initial/additional cleanings	Schedule: Begin	Schedule: Complete
Center & Right Garage Bays, 1st Floor walls & Ceilings	6000 S.F.	(F) / NF	5	overall good condition; equipment strg, has high damage potential	Yes / (No)	6		
		F / NF			Yes / No			
		F / NF			Yes / No			

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

Date of management planner review: 9 Apr 98

Inspector name David Eepler

Inspector signature David Eepler

Accreditation #/State AI 51043 / MA

Expiration date 6/01/98

Management planner name Jim Scott

Management planner signature Jim Scott

Accreditation #/State AP 70688 / MA

Expiration date 8/04/98

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

APPENDIX C

AHERA CERTIFICATES

INSTITUTE FOR
ENVIRONMENTAL EDUCATION, INC.

86 Cummings Park, Woburn, MA 01801
(781)935-7370

IEE IEE

This is to certify that

David Eppler

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

Asbestos Inspector Refresher

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

January 8, 1998
Course Dates

January 08, 1998
Examination Date

January 08, 1999
Expiration Date

9803781063732
Certificate Number

President/Director of Training

State of Connecticut

Board of Trustees, Community-Technical Colleges

Capital Community-Technical College

401 Flatbush Avenue, Hartford, CT -6106 -- (860) 987-4814

This is to certify that

JAMES L. SCOTT

SS# 019-34-3740

153 North Washington St., Belchertown, MA 01007

has successfully completed the

8 Hour Asbestos Inspector/Management Planner Refresher

Asbestos Accreditation under TSCA Title II

40 CRF Part 763

Ashis Roychowdhury

Principal Instructor

Patricia Lindsey

Training Manager

October 1, 1997

Date of Course

AIMP/R-10/97-3

Certificate Number

October 1, 1997: A-

Examination Date & Grade

October 1, 1998

Expiration Date

CERTIFICATE OF ACHIEVEMENT

This certifies that

James L. Scott

has successfully completed the

Asbestos Site Inspector/Management Planner Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

ATC Environmental, Inc.
39 Spruce Street
East Longmeadow, MA 01028
(413) 525-1198

Principal Instructor

October 25, 1996
Date of Course

October 25, 1997
Expiration Date

Regional Manager

MPAR-1162
Certificate Number

October 25, 1996
Examination Date

Commonwealth of Massachusetts

Dept. of Labor & Workforce Development

Division of Occupational Safety

Asbestos Inspector

JAMES L. SCOTT

Eff. Date 08/05/97

Exp. Date 08/04/98

AI 70667

Number [illegible]

SP 000667



SP-a

Commonwealth of Massachusetts

Dept. of Labor & Workforce Development

Division of Occupational Safety

Asbestos Management Planner

JAMES L. SCOTT

Eff. Date 08/05/97

Exp. Date 08/04/98

AP 71253

Number [illegible]

SP 001253



SP-a

Commonwealth of Massachusetts

Dept. of Labor and Workforce Development

Division of Occupational Safety

Asbestos Inspector

DAVID B. EPPLER

Eff. Date 06/02/97

Exp. Date 06/01/98

AI 51043

BOSTON RENEWAL

APPENDIX D

ASSURANCE OF LEA COMPLIANCE

ASSURANCE OF LEA COMPLIANCE

40 CFR PART 763.93

In accordance with 40 CFR 763.93 (e)(7), the Local Education Agency (LEA) has used only persons accredited by an EPA-approved course under section 206[c] of Title II of AHERA to conduct inspections and prepare Management Plans. Furthermore, the Local Education Agency will use only persons accredited by an EPA-Management Plans. Furthermore, the Local Education Agency will use only persons accredited by an EPA approved course under Section 206[c] of Title II of AHERA to design to carry out response actions, except for Operations and Maintenance, in the Abatement of Asbestos Hazards.

The general Location Education Agency (LEA responsibilities under 763.84 have been met or will be met.)

Local Education Agency Bourne Public Schools

LEA Designated Person _____

_____
Signature

_____
Date