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

October 18, 1994

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

RE: Bourne Public Schools
Three-Year AHERA Reinspection
School Maintenance Building
EnviroScience Project No. 94-595.10

Dear Mr. Watmough:

Enclosed is the final inspection report for the three-year AHERA reinspection conducted by EnviroScience Consultants, Inc. This report must be kept on file at each school inspected and at the Superintendent of School's office.

If you have any questions regarding this information, please do not hesitate to contact us.

Sincerely,

Stephen W. Connelly
Vice President

WP51\94-595H:PC9

252 Hartford Avenue, Newington, Connecticut 06111
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Offices in:
NEWINGTON, CT • BOSTON, MA

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE-YEAR REINSPECTION
FOR
SCHOOL MAINTENANCE BUILDING

PERFORMED BY

ENVIROSCIENCE CONSULTANTS, INC.
252 HARTFORD AVENUE
NEWINGTON, CONNECTICUT 06111

Robert D. Mercier
Inspector (I02525)

September 19, 1994
Date of Accreditation

Massachusetts
State of Accreditation

Stephen W. Connelly
Management Planner (MP01326)

August 23, 1994
Date of Accreditation

Massachusetts
State of Accreditation

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APPENDICES

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Appendix B: Reinspection Form 2
Appendix C: Summary and Asbestos Cost Estimates
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1.0 INTRODUCTION:

This three-year reinspection of the School Maintenance building located at Peebles Elementary School in Bourne, Massachusetts, was conducted in accordance with the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR 763.85 (b). This reinspection was performed on September 19, 1994, by Robert D. Mercier. Mr. Mercier is a representative of EnviroScience Consultants, Inc. (EnviroScience) and is an accredited AHERA inspector (IO2525). During the reinspection, the following required tasks were performed.

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

2. A visual reinspection of ACBM that was previously considered non-friable ACBM to determine if the condition of the material had become friable.

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

No additional ACBM was identified during this reinspection. Therefore, no additional samples of suspect asbestos containing building materials were collected.

2.0 REINSPECTION

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. Stephen W. Connelly is the accredited Management Planner (MP01326) for this project.

The on-site portion of the reinspection was documented on two forms provided by the United States Environmental Protection Agency (EPA). This 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 the ACBM. This form also provides response action information including a tentative schedule for completing any required response actions.

During the course of this three-year reinspection, no areas were assessed differently than the original inspection. However, floor tile in the maintenance storage building remained in a significantly damaged condition and abatement is recommended.

3.0 ABATEMENT COST ESTIMATES

The estimated cost associated with the repair or removal of ACBM noted as being damaged or significantly damaged is given in the following table.

Location	Response Action	Estimated Contractor Cost	Estimated Consultant Fees	Total
Storage Building	Remove 125 sq. ft. significant-ly damaged floor tile	$800.00	$300.00	$1,100.00

It should be noted that only locations with assessments of 1 through 5 are recommended for repair or removal. The remaining materials in this building should be addressed with continued operations and maintenance surveillance. For informational purposes a summary ACBM in this school and cost estimates for abating all of these materials are provided in Appendix C of this report (Summary and Asbestos Abatement Cost Estimates).

4.0 RANGE OF RECOMMENDED RESPONSE ACTIONS

An overview of the range of recommended response actions used by the Management Planner in accordance with AHERA protocol is as follows:

1. Isolate area and restrict access. Remove as soon as possible, or reduce potential for disturbance.

2. Continue O & M. Repair or remove as soon as possible, or reduce potential for disturbance.

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

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

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

5.0 EPA CERTIFICATION REQUIREMENTS

The EPA AHERA certificates for the individual (Robert D. Mercier) involved in performing the reinspection and updating the management plan (Stephen W. Connelly) are provided in Appendix D.

WP51\94-595H:PC9

APPENDIX A

REINSPECTION FORM 1

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

School Bourne Administration Buildings Building 1935-1940 Date(s) of Original AHERA Inspection 9-23-88

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						
A1	Pipe Insulation Debris on Pipes	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	1	Boiler Room (Administration Bldg)	Abated No Records Found
A2	Chimney/Breech cement	(TSI) Surf. Misc.	(Assumed) Yes No	F (NF) X	5	Boiler Room (Administration Bldg)	
B1	Transite panelling 190 SF	TSI Surf. (Misc.)	(Assumed) Yes No	F (NF) X	5	Roof of Storage Building (Right Bay)	
B2	9x9 VAT	TSI Surf. (Misc.)	Assumed (Yes) No	F (NF) X	X	Bathroom of maintance Building	
B2	9x9 VAT	TSI Surf. (Misc.)	Assumed (Yes) No	F NF (X)	X damaged	Storage Building	
		TSI Surf. Misc.	Assumed Yes No	F NF X			

Information abstracted by Robert Mercier Date 9-27-94

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

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

School Maintenance Building Building Located at Peebles Elementary Date(s) of Reinspection 9-29-94

Homogeneous Sampling Area: Material Description B2 9x9 Vinyl Floor Tile 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 sF	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: October 17, 1994

Inspector name Robert Mercier

Inspector signature Robert D. Mercier

Accreditation #/State I 02525 / MA

Expiration date 9-19-95

Management planner name Stephen Connelly

Management planner signature Stephen W Connelly

Accreditation #/State MP 01326 / MA

Expiration date 8-23-95

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 Storage Building Building Located at Peebles Elementary Date(s) of Reinspection 9-29-94

Homogeneous Sampling Area: Material Description Transite ID Number B 1

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	F (NF)	X	Transite is undamaged and used as a ceiling	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: October 17, 1994

Inspector name Robert Mercier

Inspector signature Robert D Mercier

Accreditation #/State I 07525

Expiration date 9-19-95

Management planner name Stephen Connelly

Management planner signature Stephen W Connelly

Accreditation #/State MP 0132e / MA

Expiration date 8-23-95

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 Storage Building Building Located on Peebles School Grounds Date(s) of Reinspection 9-29-94

Homogeneous Sampling Area: Material Description 9x9 Vinyl Floor Tile 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	125 SF	F / (NF)	X damaged	Tile is in very poor condition with high potential for further damage. Tile is completely broken up	Yes / (No)	2		
~~Left Side Garage Bay~~	~~192 SF~~	F / (~~NF~~)	X		Yes / No			
		F / NF			Yes / No			

Were additional samples of this ACBM collected? Yes No

Date of management planner review: October 17, 1994

Inspector name Robert Mercier

Inspector signature Robert D Mercier

Accreditation #/State I 02525 / MA

Expiration date 9-19-95

Management planner name Stephen W Connelly

Management planner signature Stephen W Connelly

Accreditation #/State MP 01376 / MA

Expiration date 8-23-95

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

APPENDIX C

SUMMARY AND ASBESTOS COST ESTIMATES

Bourne Schools Maintenance Buildings

ALL ACBM		ABATEMENT COST(S) FOR ALL ACBM	DAMAGED ACBM		ABATEMENT COST(S) FOR DAMAGED ACBM
TYPE AND AMOUNT	LOCATION		TYPE AND AMOUNT	LOCATION	
9 x 9 Floor Tile (35 SF)	Maintenance Building Bathroom	$ 500.00	N/A	----	----
Transite Paneling (192 SF)	Storage Building	$1,900.00	N/A	----	----
9 x 9 Floor Tile (125 SF)	Storage Building	$ 800.00	9 x 9 Floor Tile (125 SF)	Storage Bldg.	$800.00
Engineering and Project Administration Cost Estimates:		$500.00	----	----	$300.00
TOTAL Cost Estimates:		$3,700.00	----	----	$1,100.00

APPENDIX D

AHERA CERTIFICATES



Commonwealth of Massachusetts
Department of Labor and Industries
This is to certify that

Stephen W. Connelly
048-40-5134

has been certified as an:

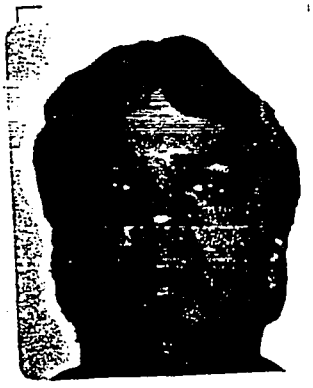
ASBESTOS ABATEMENT PROJECT MANAGEMENT PLANNER

Effective Date: 8-23-94

Expiration Date: 8-23-95 SPR

Stephen W Connelly
Signature of Asbestos Abatement Project Management Planner

MP01326
Certification Number



Commonwealth of Massachusetts
Department of Labor and Industries
This is to certify that

Mercier, Robert
043-74-7816

has been certified as an:

ASBESTOS INSPECTOR

Effective Date: 9/19/94

Expiration Date: 9/19/95

Robert Mercier
Signature of Asbestos Inspector

I 02525
Certification Number BOS N