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
Peebles Elementary School
EnviroScience Project No. 94-595.10

rcvd
10/26/94

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

Stephen W. Connelly
Vice President

WP51\94-595E:PC9

252 Hartford Avenue, Newington, Connecticut 06111
203-666-7167 FAX 203-665-1548

Offices in:
NEWINGTON, CT • BOSTON, MA

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE-YEAR REINSPECTION
FOR
PEEBLES ELEMENTARY SCHOOL

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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1.0 INTRODUCTION:

This three-year reinspection of the Peebles Elementary School located 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 28, 1994, by Robert D. Mercier. Mr. Mercier is a representative of EnviroScience Consultants, Inc. (EnviroScience) and is an accredited AHERA inspector (I02525). 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.

Additional ACBM that was previously not identified but now has been identified and incorporated into the management plan is listed below. These materials were also assessed and given response actions and priority rankings.

1. Ten (10) linear feet of pipe insulation in the storage room next to Classroom 9.

2. Twenty (20) linear feet of pipe insulation in the Music Room.

3. One (1) square foot of roof drain insulation in Classroom 1A.

4. Four hundred (400) square feet of composite window sills throughout the 1950 section.

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). 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 the ACBM. This form also provides response action information including a tentative schedule for completing any required response actions.

A portion of ACBM that had been identified during earlier inspections has been removed and replaced prior to this reinspection being performed. This ACBM consisted of all thermal system insulation in the boiler room, crawlspaces, and kitchen/cafeteria. This removal project was performed during the Summer of 1993.

During the course of this three-year reinspection, a total of eight (8) areas were assessed differently than the original inspection. Each of these areas were assessed identifying more damaged than earlier inspections, due to deterioration in the condition of the ACBM. The deteriorated areas were as follows:

1. Classroom 16 Closet - Mudded insulation on two (2) friable damaged fittings.

2. Storage Room by Classroom 17 - Mudded insulation two (2) damaged, friable fittings.

3. Unit Ventilator on right side of Gym - Two (2) significantly damaged mudded insulation on pipe fittings.

4. Unit Ventilator on left side of Gym - One (1) damaged friable mudded insulation on pipe fitting.

5. Classroom 12 - One (1) square foot of delaminating, potentially friable ceiling plaster.

6. Ground Floor Hall to Annex - Twenty (20) square feet of damaged and potentially friable floor tile.

7. Stairwell in 1950 Section - Thirty (30) square feet of cracked or broken and potentially friable floor tile.

8. Classroom 1, 4, 6, 9, 10, 12 - Significantly damaged vinyl window sills (cabinet tops).

In addition, materials that were considered damaged or significantly damaged in the original inspection with no change in assessment during the three-year reinspection are given below.

1. Custodial Room by Classroom 10 - Eight (8) damaged and friable mudded insulation on pipe fittings.

2. First Floor Storage Room - Four (4) damaged and friable mudded insulation on pipe fittings.

3. Basement Bathroom Pipe Chase - Three (3) damaged and friable mudded insulation on pipe fittings.

In the above areas, the damaged materials are recommended for repair or removal. The priority of abatement can be found on Reinspection Form 2 in Appendix B.

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
Custodian Room by Classroom 19	Repair or remove 8 damaged mudded fittings	$500.00	$225.00	$750.00
Classroom 16 Closet	Repair or remove 2 damaged mudded fittings	$400.00	$200.00	$600.00
Storage Room by Classroom 17	Repair or remove 2 damaged mudded fittings	$400.00	$200.00	$600.00
First Floor Storage	Repair or remove 4 damaged mudded fittings	$400.00	$200.00	$600.00

Location	Response Action	Estimated Contractor Cost	Estimated Consultant Fees	Total
Basement Bathroom Pipe Chase	Repair or remove 3 damaged mudded fittings	$400.00	$200.00	$600.00
Stage	Repair or remove 3 damaged mudded fittings	$400.00	$200.00	$600.00
Classroom 12	Repair 1 sq. ft. of damaged ceiling plaster	$200.00	$100.00	$300.00
Ground floor to hall to Annex	Remove 20 sq. ft. of 9x9 floor tile and mastic	$500.00	$225.00	$725.00
1950 Section Stairwell	Remove 30 sq. ft. of 9x9 floor tile and mastic	$500.00	$225.00	$750.00
Classrooms 1, 4, 6, 9, 10, 12	Remove 162 sq. ft. of vinyl window sills	$1,000.00	$300.00	$1,300.00

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.

APPENDIX A

REINSPECTION FORM 1

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

School Peebles Elementary School Building 1950 with 1966 Wing Date(s) of Original AHERA Inspection 8-12-88

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	Boiler Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	1	Boiler Room	Removed 1993
A2	Boiler Breeching Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	1	" "	Removed " 1993
A1	Hot Water Tank Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	1	" "	~~Mop of boiler~~ removed 1993
A2	Pipe and Fitting Insulation 328 LF	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	5	" "	~~Mop of boiler~~ removed 1993
A3	Pipe and Fitting Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	1	Crawlspace	Removed summer 1993
A4	Pipe and Fitting Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	5	Cafe/Kitchen	~~mop of boiler~~ removed 1993

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.

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

School Peebles Elementary School Building 1950 with 1960 wing Date(s) of Original AHERA Inspection 8-12-88

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						
A5	Mud Pack Fitting Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	5	Rear Custodial Room, C/R 15, 19 (part) 16 Storage room, behind sinks in classrooms	
A6	Pipe and Fitting Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	1	Storage Room closet 46 LF Custodians Closet 603 LF old sec. or	
A6	Pipe and Fitting Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	5	Above ceiling in Hall 203 LF	
A7	Air Cell Pipe Insulation	(TSI) Surf. Misc.	Assumed (Yes) No	(F) NF X	5	Stage Area 100 LF	
B1	Ceiling Plaster	TSI Surf. (Misc.)	Assumed (Yes) No	F (NF) X	X	1950 Basement Cafeteria + Hallway 6200 SF	
B2	Wall plaster	TSI Surf. (Misc.)	Assumed Yes (No)	F (NF) X	X	1950 main Floor classrooms	

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.

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

School Peebles Elementary School Building 1950 with 1960 wing Date(s) of Original AHERA Inspection 8-12-88

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						
C1	9x9 VAT	TSI Surf. (Misc.)	Assumed (Yes) No	F (NF) X	X	C/R 1, 2, 3, 5, 7, 13, Hallway, Storage Room, office Area, Rear Room, School Annex	Damaged in C/R 2, 3, 7, and Rear Room and Stairs to 2nd Floor Annex
C2	Vibration Isolators	TSI Surf. (Misc.)	(Assumed) Yes No	(F) NF X	5	Custodians Room - Annex ✓ Storage loft - Annex, Stage, Attic - old building	
C3	Vinyl windows.ll ✓	TSI Surf. (Misc.)	Assumed (Yes) No	(F) NF X	1	old building Classrooms ✓	Damaged in C/R 6, 7, 12
C4	Transite Panelling ✓	TSI Surf. (Misc.)	(Assumed) Yes No	F (NF) X	5	Annex loFt along edge ✓	
		TSI Surf. Misc.	Assumed Yes No	F NF X			
		TSI Surf. Misc.	Assumed Yes No	F NF X			

Information abstracted by _____ Date _____

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 Peebles Elementary School Building 1960 Annex Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Thermal System Insulation ID Number A5

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
C/R 25 Behind and to the Left of Sink	2 elbows	(F) NF	5	elbows are intact access is difficult and damage potential low	(Yes) No	7		
Custodial Room by C/R 19	13 Fittings	(F) NF	1	8 Fittings damaged or significantly damaged with potential for more damage	Yes (No)	4		
C/R 16 in closet	4 Fittings	(F) NF	1	2 Fittings damaged with potential for more damage	(Yes) No	3		

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

Date of management planner review: _____

Inspector name Robert Mercier

Inspector signature Robert D. Mercier

Accreditation #/State 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 Peebles Elementary Building 1960 Annex Date(s) of Reinspection 9-28

Homogeneous Sampling Area: Material Description Thermal System Insulation ID Number A5

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
Second Floor Bathroom Pipe chase - access in Room C/R 16 (previously listed in C/R 19)	16 Fittings	(F) NF	5	Fittings are in good condition although ~~are~~ not covered with wrap - low disturbance	Yes (No)	7		
Storage Room by C/R 17	15 Fittings	(F) NF	1	2 Fittings damaged with potential for more damage - supplies stored against Fittings	(Yes) No	3		
C/R 24 behind sink	2 Fittings	(F) NF	5	No Damage Access by students restricted	Yes (No)	7		

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

Date of management planner review: _____

Inspector name Robert A. Mercier

Inspector signature Robert A. Mercier

Accreditation #/State 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 Peebles Elementary School Building 1950 - original building Date(s) of Reinspection 9-29-94

Homogeneous Sampling Area: Material Description Thermal System Insulation ID Number AC

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 Room between Bathrooms	45LF	(F) NF	1	4 damaged fittings at entrance. ma	Yes (No)	4		
Above Basement classroom ceilings	~~est~~ 200LF	(F) NF	5	could not assess all ACBM in this area - low access little potential for damage	Yes (No)	7		
		F NF			Yes No			

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

Date of management planner review:

Inspector name Robert Mercier

Inspector signature Robert D Mercier

Accreditation #/State 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 Peebles Elementary School Building 1950 Section Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Thermal System Insulation ID Number ACe

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
Storage Room next to C/R 9	10 LF	(F) NF	5	Location not previously ~~assessed~~ - no damage noted	(Yes) NEW No	7		
Basement Custodial Room - Bathroom Pipe chase	95 LF	(F) NF	1	3 damaged Fittings with debris - Exposed and damaged air cell insulation - low access	Yes (No)	5		
Music Room	20 LF	(F) NF	5	Location not previously noted - material in good condition but with 3 exposed ends	(Yes) NEW No	6		

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

Date of management planner review: _____

Inspector name Robert Mercier

Inspector signature Robert D. Mercier

Accreditation #/State 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 Peebles Elementary Building 1950 Section Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Thermal System Insulation ID Number A7

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
Stage - Right side by window	8LF	(F) NF	1	Two significantly damaged elbows with potential for further damage	(Yes) No	2		
Stage - Left side at unit ventilator	8LF	(F) NF	1	1 damaged elbow and 1 exposed end	(Yes) No	2		
		F NF			Yes No			

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

Date of management planner review:

Inspector name Robert Mercier

Inspector signature Robert J. Mercier

Accreditation #/State 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 Peebles Elementary School Building 1950 Section Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Ceiling Plaster 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
Basement of 1950 Section - ceilings in Hall and classrooms	6200SF	F (NF)	5	No damage noted except delamination of 1SF in C/R 12	Yes (No)	Repair damage in C/R12 continue O+M 8		
		F NF			Yes No			
		F NF			Yes No			

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

Date of management planner review: _____

Inspector name Robert Mercier

Inspector signature Robert D Mercier

Accreditation #/State 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 Peebles Elementary School Building 1950 Section Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description 9x9 Vinyl Floor Tile ID Number C1

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
Basement Level and First Floor Halls, C/R 13, 5, 7, Storage Rooms, Lobby, Cafeteria, Music Room, Faculty Room, Office Area, Reading	~~12,425~~ SF	F / (NF)	X	Tile is in Good condition except in localized areas where it is worn in high traffic areas. - Tile is damaged in Ground Floor Hall to	(Yes) / No	Repair damaged Tile in Hall to Annex and in Stairwell - Continue O+M 8		
Room, Halls to Annex		F / NF		Annex (205F) And in 1950 Stair well - ~~305~~ (305F).	Yes / No			
		F / NF			Yes / No			

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

Date of management planner review: _____

Inspector name Robert Mercier

Inspector signature Robert D Mercier

Accreditation #/State 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 Peables Elementary School Building 1960 Annex Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description 9x9 Vinyl Floor Tile ID Number C1

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
Throughout Annex excluding Bathrooms and Halls From 1950 Section	9942SF	F (NF)	X	Floor Tile is in good condition with ~~tot~~ moderate wear on stairs	Yes (No)	8		
		F NF			Yes No			
		F NF			Yes No			

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

Date of management planner review: _____

Inspector name Robert Mercier

Inspector signature Robert D. Mercier

Accreditation #/State 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 Peebles Elementary School Building 1950 and 1966 sections Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Vibration Isolators ID Number C2

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
Custodial Room by C/R 19 Annex Loft, Stage, Attic in 1950 Section	100 SF	(F) NF	5	material in good condition with little potential for disturbance	Yes (No)	8		
		F NF			Yes No			
		F NF			Yes No			

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

Date of management planner review: _____

Inspector name Robert Mercier

Inspector signature Robert D. Mercier

Accreditation #/State 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 Peebles Elementary School Building 1950 Section Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Vinyl windowsills (part of radiator unit) ID Number C3

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
Along radiators in all classrooms in 1950 original building	360SF (approx 27SF per Room)	F / (NF)	4	Windowsills cut, ripped, or blistered in Rooms 1,4,6,9,10,12 - Significant damage.	(Yes) / No	3 - Remove damaged sills when Funds are available		
		F / NF			Yes / No			
		F / NF			Yes / No			

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

Date of management planner review: _____

Inspector name Robert Mercer

Inspector signature Robert D. Mercer

Accreditation #/State 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 Peebles Elementary Building 1960 Annex Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Transite Panelling ID Number C4

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
Annex Loft	205 SF	F / (NF)	5	No damage low potential for damage	Yes / (No)	8		
		F / NF			Yes / No			
		F / NF			Yes / No			

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

Date of management planner review: _____

Inspector name Robert Mercier

Inspector signature Robert D. Mercier

Accreditation #/State 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 Peebles Elementary School Building 1950 Section Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Composite Window Sills ID Number New item

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
Throughout 1950 Section	400 SF ~~LF~~ ~~S.F.~~	F / (NF)	X	Material is in Good condition and non Friable Not previously identified	(Yes) NEW / No	8		
		F / NF			Yes / No			
		F / NF			Yes / No			

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

Date of management planner review: _____

Inspector name Robert Mercier

Inspector signature Robert D Mercier

Accreditation #/State 0525/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 Peebles Elementary School Building 1950 Section Date(s) of Reinspection 9-28-94

Homogeneous Sampling Area: Material Description Thermal System Insulation ID Number NEW

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
Classroom 1A - OFF Lobby	1SF	(F) NF	5	Roof Drain insulation not previously noted good condition	(Yes) NEW No	6		
		F NF			Yes No			
		F NF			Yes No			

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

Date of management planner review:

Inspector name Robert Mercier

Inspector signature Robert D. Mercier

Accreditation #/State 02525 / MA

Expiration date 9-14-95

Management planner name Stephen Connelly

Management planner signature Stephen M 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:

APPENDIX C

SUMMARY AND ASBESTOS COST ESTIMATES

PEEBLES ELEMENTARY SCHOOL

ALL ACBM		ABATEMENT COST(S) FOR ALL ACBM	DAMAGED ACBM		ABATEMENT COST(S) FOR DAMAGED ACBM
TYPE AND AMOUNT	LOCATION		TYPE AND AMOUNT	LOCATION	
Mudded Fittings (2 EA)	Classroom 25 Behind Sink	$ 250.00	N/A	----	----
Mudded Fittings (13 EA)	Custodial Room by Classroom 19	$ 650.00	8 Damaged Fittings	Custodial Rm by Classroom 19	$500.00
Mudded Fittings (4 EA)	Classroom 16 Closet	$ 200.00	2 Damaged Fittings	Classroom 16 Closet	$400.00
Mudded Fittings (16 EA)	Second Floor Bathroom Pipe Chase	$ 800.00	N/A	----	----
Mudded Fittings (15 EA)	Storage Room by Classroom 17	$ 750.00	2 Damaged Fittings	Storage Room by Classroom 17	$400.00
Mudded Fittings (2 EA)	Classroom 24 Behind Sink	$ 200.00	N/A	----	----
Mudded Fittings (45 LF)	First Floor Storage	$2,250.00	4 Damaged Fittings	First Floor Storage Room	$400.00
Pipe Insulation and Mudded Fittings (200 LF)	Above Basement Ceiling	$3,000.00	N/A	----	----
Pipe Insulation (10 LF	Storage Room by Classroom 19	$ 300.00	N/A	----	----
Pipe Insulation and Mudded Fittings (95 LF)	Basement Bathroom Pipe Chase	$1,600.00	3 Damaged Fittings and Debris	Basement Bathroom	$400.00

Pipe Insulation and Mudded Fittings (20 LF)	Music Room	$ 500.00	N/A	----	----
Pipe Insulation and Mudded Fittings (16 LF)	Stage	$ 500.00	3 Damaged Fittings	Stage	$400.00
Mudded Fitting (1 EA)	Classroom 1A	$ 100.00	N/A	----	----
Ceiling Plaster (6200 SF)	Basement of 1950 Section	$62,000.00	Ceiling Plaster (1 SF)	Classroom 12	$200.00
9 x 9 Floor Tile and Mastic (22,500 SF)	Throughout Building	$78,750.00	9x9 Floor tile and Mastic (20 SF)	Ground Floor Hall to Annex	$500.00
			9x9 Floor Tile and Mastic (30 SF)	1950 Stairwell	$500.00
Vibration Window Sills (360 SF)	1950 Section Classrooms	$3,600.00	Vinyl Window Sills (162 SF)	Classrooms 1,4,6,9,10,12	$1,000.00
Transite Panneling (205 SF)	Annex Loft	$1,200.00	N/A	----	----
Composite Window Sills (400 SF)	Throughout 1950 Section	$4,000.00	N/A	----	----
Engineering and Project Administration Cost Estimates:		$24,000.00	----	----	$2,075.00
TOTAL Cost Estimates:		$184,650.00	----	----	$6,775.00

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