



August 11, 2000

BUSINESS FILE

Mr. John Calhoun
Facilities Manager
Environmental Services
New Milford Public Schools
386 Danbury Road
New Milford, CT 06776

**RE: Three Year AHERA Asbestos Re-inspection
and Management Plan Update
Schaghticoke Middle School
23 Hipp Road, New Milford, Connecticut
EnviroScience Project No. 99-390.10**

Dear Mr. Calhoun:

Enclosed is the report of the three-year AHERA asbestos re-inspection and management plan update conducted by EnviroScience Consultants, Inc. (EnviroScience) at Schaghticoke Middle School at 23 Hipp Road, New Milford, Connecticut. This report is an important document that must be kept on file at the school as well as at a central location where 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,

James L. Scott
Manager, Hazardous Materials

JLS:ec

Enclosure

Y:\WORD\Projects\99\99-390.10d.doc



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

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

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

PERFORMED BY

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

For Compliance with
State of Connecticut, Department of Public Health
Regulation Regarding Asbestos-Containing Material in Schools
(19a - 333-1 through 19a - 333-13)

And
EPA Asbestos Hazard Emergency Response Act
(40 CFR Part 763)

TABLE OF CONTENTS

SECTION	PAGE
1.0 INTRODUCTION	1
2.0 BUILDING & MECHANICAL SYSTEM DESCRIPTION.....	1
3.0 RE-INSPECTION REPORT	1
3.1 Review of Records.....	1
3.2 Re-inspection Summary.....	2
3.3 Newly Identified or Re-sampled ACBM.....	3
3.4 Physical Assessment of ACBM.....	3
3.5 Change of Condition.....	4
4.0 MANAGEMENT PLAN UPDATE	4
4.1 Recommended Response Actions.....	4
4.2 Periodic Surveillance	5
4.3 Preventive Measures	5
5.0 EPA CERTIFICATION REQUIREMENTS	5

APPENDICES

APPENDIX A:	CHECKLIST FOR EXISTING RECORDS
APPENDIX B:	RE-INSPECTION FORM 1A
APPENDIX C:	RE-INSPECTION FORM 1B
APPENDIX D:	RE-INSPECTION FORM 2
APPENDIX E:	PERIODIC SURVEILLANCE FORM
APPENDIX F:	PREVENTIVE MEASURES
APPENDIX G:	AHERA CERTIFICATES

1.0 INTRODUCTION

This three-year re-inspection of Schaghticoke Middle School at 23 Hipp Road, New Milford, Connecticut was conducted in accordance with the requirements of the following regulations:

- (i) State of Connecticut Department of Public Health (CTDPH) Asbestos-Containing Materials in Schools regulation (19a-331-1 through 19a-333-13, Section 3 (b)).
- (ii) United States Environmental Protection Agency (USEPA) Asbestos Hazard Emergency Response Act (AHERA) regulation (40 CFR Part 763, Section 763.85 (b)).

Mr. Patrick Sharkany of EnviroScience Consultants, Inc. (EnviroScience) performed the re-inspection on October 20, 1999. Mr. Sharkany is an accredited Asbestos Inspector in the State of Connecticut (License No. 000372). During the re-inspection, the following required tasks were performed:

1. A visual re-inspection and reassessment of all known or assumed friable asbestos-containing building materials (ACBM).
2. A visual re-inspection of ACBM that was previously considered non-friable to determine if the material has been rendered friable.
3. Identification and assessment of any homogeneous areas that contains newly friable ACBM.

2.0 BUILDING AND MECHANICAL SYSTEM DESCRIPTION

Schaghticoke Middle School was built in 1972. The building is constructed on a slab foundation with brick outer walls and a corrugated steel frame. The inner walls are constructed of cinder block. A suspended ceiling exists in most of the building, resulting in a ceiling plenum, within which water pipes and air ducts are located near the true ceiling. Ventilation is provided by an air handling system which draws air into return ducts and supplies air by means of air handling units located in the roof, forcing air into each room by means of supply ducts.

All areas of the school are serviced by a central boiler room. Heat is provided by two oil burning boilers, which convey heat through steam pipes that traverse the building through the pipe tunnels.

3.0 RE-INSPECTION REPORT

3.1 Review of Records (Checklist)

An important part of this AHERA Re-inspection involved checking documentation that were required to be present at the school 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 USEPA and reviewed with Ms. Lesley Giovanelli of the State of Connecticut Department of Public Health.

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 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 recommendation including a tentative schedule for completing response actions that recommended removal or repair.

Using the USEPA protocol and criteria, the following materials have been **determined to be ACBM** and were present in the the Schaghticoke Middle School at the time of this three year re-inspection:

HOMOGENEOUS MATERIAL	REFERENCE	LOCATION(S)
Mudded pipe fittings	Assumed ACBM	Hall by mechanical room, above ceiling
Mudded pipe fittings	Mystic air '97, 6-15-BM-22,24	Air handlers 15 and 16, chiller pumps
Mudded pipe fittings	Assumed ACBM	Air handlers 11 and 12 (across from room 207)
12"x12" Tan floor tile (original tile) and associated mastic	Mystic air '97, 6-15-BM-16-18	Throughout the school

Using the USEPA protocol and criteria the following suspect materials were tested to be negative for asbestos and have been determined to be **Non-ABM**:

MATERIAL	REFERENCE	LOCATION
Roof drains and associated mudded fittings	1986 AMP	Gymnasium ceiling and multi-purpose room ceiling
Ceiling plaster	1990 EnviroScience	First and second floors

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 State of Connecticut (License No. 000038).

3.3 Newly Identified or Re-sampled ACBM

The inspector revealed several items not mentioned on previous inspections, which may be ACBM. These items do not appear to have ever been sampled. Due to cost constraints and the destructive nature of some of the testing required, no samples of these materials were taken. These materials should be tested by a qualified individual on an 'as needed' basis before they are disturbed for renovation/demolition/modification. The following materials should be considered ACBM until analysis proves otherwise:

MATERIAL	LOCATION(S)
Vapor barriers	Below wood floors in gymnasium and multi-purpose room
Mudded fittings	Throughout the school, particularly within walls and pipe chases
Sheetrock and associated joint compound	Throughout the school
Ceramic tile adhesives	Wherever ceramic tile is located in the school.
Wall bases and associated mastic	Throughout the school

AHERA only covers interior ACBM. Therefore, exterior ACBM were not sampled. However, the following suspect ACBM were noted exterior to the building: windows, walls, door caulking and roofing.

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.

3.4 Physical Assessment of ACBMs

During inspection, suspect ACBM was 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 is quantified in linear and square footage, depending on the nature of the material.

All ACBM identified during the original inspection and still remaining in the school were reassessed using the State of Connecticut Department of Public Health and 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.

3.5 Change of Condition

The following items have experienced a change of condition since the last AHERA inspection:

MATERIAL	QUANTITY	LOCATION	COMMENTS
Original 12"x12" tan floor tile	+/-150 SF	Both main entrances to building by main office	Material is exposed in a high traffic area. Perimeter tiles are lifting and have spot damage. Potential for significant damage exists.

4.0 MANAGEMENT PLAN UPDATE

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

4.1 Recommended Response Actions

1. Removal

Remove +/-150 SF of floor tile at both main entrances at main office.

2. Repair

Not Applicable

3. Enclosure

Not Applicable

4. Encapsulation

Not Applicable

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 ACBM. 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 F 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 G for preventive measures designed for various types of ACBM that may exist in the school.

5.0 EPA CERTIFICATION REQUIREMENTS

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

Y:\WORD\Projects\99\99-390.10d.doc

APPENDIX A
CHECKLIST FOR EXISTING RECORDS

CHECKLIST FOR EXISTING RECORDS

Local Education Agency (LEA): Lillis Administration Building
50 East Street, New Milford, Connecticut

School Building: Schaghticoke Middle 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	Yes	Yes
2.	Three year Re-inspection (First)	Yes	Yes
3.	Three year Re-inspection (Second)	Yes	Yes
4.	Notifications to Parents/Guardians and Teachers (yearly since last re-inspection)	No	No
5.	Designated Person Identified and Proper Training (person must be named and have appropriate training)	No	No
6.	Designated Person Periodic Surveillance (every six months since last re-inspection)	No	No
7.	Record of Awareness Training for Maintenance Staff	No	No
8.	Outside Vendor Awareness Notification	No	No
9.	Warning Signs and Labels (required posting in Boiler room and mechanical spaces only)	No	No
10.	Record of Response Actions (includes any abatement done since last re-inspection)	No	No

Comments: _____

Inspector: Patrick Sharkany

Date: 10/20/99

APPENDIX B
REINSPECTION FORM 1A

School: Schaghticoke Middle School

Building _____

Date(s) of Original AHERA Inspection 1990

Homogeneous sampling areas		Material Category	Friability	Condition Category (1-7)	Recorded Locations	Response actions taken/ renovations/other comments
Sample Number	Material Description					
✓	Mudded fitting	TSI	F	5	Air handlers 13 and 14, across from room 201	No suspect ACBM fittings seen
✓	Mudded fittings	TSI	F	5	Air handlers 11 and 12, across from room 207	Material is in good condition
✓	Mystic '97 6-15-BM-22, 24	TSI	F	5	Air handlers 15 and 16, chiller pumps	Material is in good condition
✓	Mystic '97 6-15-BM-16 to 18	Misc.	NF	5	Throughout the building, some covered by new 12"x12" floor tile	Potential for significant damage, exposed in entrances and tiles are beginning to lift
✓	Mystic '97 6-15-BM-19 to 21	Misc.	NF	5	Throughout the building	No 9"x9" floor tiles were observed during this re-inspection
✓	Boiler flue and breeching	TSI	F	---	-----	Material abated 7/30/97
✓	Mudded fittings	TSI	F	5	Hallway and base of ramp to cafeteria, above ceiling	No suspect ACBM observed
✓	Mudded fittings	TSI	F	5	Hallway by mechanical room, above ceiling	Material is in good condition
✓	Fire doors	Misc.	F	5	Throughout the building	Assumed ACBM - sample before disturbing
✓	Sheetrock and associated joint compound	Misc.	F	5	Throughout the building	Assumed ACBM - sample before disturbing
✓	Roofing material on parapet	Misc.	NF	5	Above music room	Material abated 7/23-7/26/99
✓	Exterior transite soffits	Misc.	NF	5	Building exterior	Material abated 7/23-7/26/99

Information abstracted by Patrick Sharkany

Date 10-20-99

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
REINSPECTION FORM 1B

School: Schaghticoke Middle School

Building _____

Date(s) of Re-Inspection October 20, 1990

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						
✓	Cove base and associated mastic	Misc.	Unknown	NF	5	Throughout the building	Assumed
✓	Vapor barrier below gym floor	Misc.	Unknown	F	5	Gym	Assumed
✓	Roof drains and associated mudded fittings		----		----	Gym and multi-purpose room - ceilings	Negative per '86 AMP
✓	Mudded fittings	TSI	Unknown	F	5	Possibly in walls and pipe chases	Assumed
✓	Ceramic tile adhesive	Misc.	Unknown	NF	5	Possibly wherever ceramic tiles are present	Assumed

Information abstracted by Patrick Sharkany

Date 10-20-99

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
REINSPECTION FORM 2

School Schaghticoke Middle School

Building _____

Date(s) of Reinspection OCT 20, 1999

Homogeneous Sampling Area: Material Description Mudded pipe fittings

ID Number _____

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability F NF	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
Air handler (3+14) (Across From) Room 201	—	F NF	—	No SUSPECT ACBM observed in this area	Not Applicable	NA	NA
Air handler 11+12 (Across From) Rm 207	4	(F) NF	5	material is in good cond.	maintain in O+M program	2000	2002
Air handler - 15+16 Chiller pumps	4	(F) NF	5	material is in good condition	maintain in O+M program	2000	2002
Were additional samples of this ACBM collected? Yes <input type="radio"/> No <input checked="" type="radio"/>					Date of Management Planner review <u>12/29/99</u>		
Inspectors name <u>Patrick A. Sharkany</u>					Management Planner name <u>James I. Scott</u>		
Inspector signature <u>Pat Sharkany</u>					Management Planner signature <u>James I. Scott</u>		
Accreditation #/State <u>000372/Connecticut</u>					Accreditation #/State <u>AP71263/Connecticut</u>		
Expiration date <u>March 31, 2000</u>					Expiration date <u>July 19, 2000</u>		
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 Schoaticole Middle School Building _____

Date(s) of Reinspection 10-20-99

Homogeneous Sampling Area: Material Description Muddled Fittings

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	Complete
Gymnasium Ceiling	3LF of fittings	<u>F</u> NF	7	Tested Negative 86 AMP	Not Applicable Remove from O&M Program	NA 2000	NA 2000
Multipurpose Room/Stage	10LF of fittings	<u>F</u> NF	7	Tested Negative 186 AMP	Not Applicable Remove from O&M Program	NA 2000	NA 2000
		F NF					
Were additional samples of this ACBM collected? Yes <u>No</u>					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Pat Shaekany</u>					Management Planner name <u>James L Scott</u>		
Inspector signature <u>Pat Shaekany</u>					Management Planner signature <u>James L Scott</u>		
Accreditation #/State <u>000372/CT</u>					Accreditation #/State <u>AP71263/CT</u>		
Expiration date <u>3/31/00</u>					Expiration date <u>July 17, 2000</u>		
I, the LEA's Designated Person, have read and understood the recommendations made above: _____					Date: _____		

School Schaghticoke Middle School

Building _____

Date(s) of Reinspection OCT 20, 1999

Homogeneous Sampling Area: Material Description mudded fittings

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	Complete
Base of Ramp to Cafeteria Hall above ceiling	—	F NF	—	NO SUSPECT ACBM observed this area	Not Applicable	NA	NA
Hall by mech. Room above ceiling	3	(F) NF	5	material is in good condition	Maintain in O&M Program	2000	2002
		F NF					
Were additional samples of this ACBM collected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Patrick A. Sharkany</u>					Management Planner name <u>James L. Scott</u>		
Inspector signature <u>Pat Sharkany</u>					Management Planner signature <u>James L. Scott</u>		
Accreditation #/State <u>000372/Connecticut</u>					Accreditation #/State <u>AP71263/Connecticut</u>		
Expiration date <u>March 31, 2000</u>					Expiration date <u>July 19, 2000</u>		
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 Schaugicole Middle School Building _____

Date(s) of Reinspection 10-20-99

Homogeneous Sampling Area: Material Description ROOF DRAINS

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	Complete
Gymnasium Ceiling	2 drains	<u>F</u> NF	7	Tested Negative	Not Applicable Remove from O+M Program	ALA 2000	NA 2000
Multipurpose Rm/ Stage Drain (above stage) - non-suspect ACBM	4 drains	<u>F</u> NF	7	Tested Negative	Not Applicable Remove from O+M Program	ALA 2000	NA 2000
		F NF					
Were additional samples of this ACBM collected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Pat Shaekany</u>					Management Planner name <u>James L. Scott</u>		
Inspector signature <u>Pat Shaekany</u>					Management Planner signature <u>James L. Scott</u>		
Accreditation //State <u>000372/CT</u>					Accreditation //State <u>AP 91263/CT</u>		
Expiration date <u>3/31/00</u>					Expiration date <u>July 19, 2000</u>		
I, the LEA's Designated Person, have read and understood the recommendations made above: _____					Date: _____		

School Schaghticoke Middle School Building _____ Date(s) of Reinspection OCT 20, 1999

Homogeneous Sampling Area: Material Description 9x9 Floor tile 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	Complete
<i>Originally listed as throughout school</i>		F NF		<i>No 9x9 tile observed during inspection Inspector lifted carpet in Rms 101, 110 + 143 NONE OBSERVED</i>	<i>Not Applicable Removes from OSHA program</i>	<i>AA 2000</i>	<i>NA 2000</i>
		F NF					
		F NF					
Were additional samples of this ACBM collected? Yes <input type="radio"/> No <input checked="" type="radio"/>					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Patrick A. Sharkany</u>					Management Planner name <u>James L. Scott</u>		
Inspector signature <u><i>Pat Sharkany</i></u>					Management Planner signature <u><i>James L. Scott</i></u>		
Accreditation #/State <u>000372/Connecticut</u>					Accreditation #/State <u>AP71263/Connecticut</u>		
Expiration date <u>March 31, 2000</u>					Expiration date <u>July 19, 2000</u>		
I, the LEA's Designated Person, have read and understood the recommendations made above: _____						Date: _____	

School Schaghticoke Middle School Building _____ Date(s) of Reinspection OCT 20, 1999

Homogeneous Sampling Area: Material Description 12x12 TAN Floor Tile 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	Complete
MAIN ENTRANCES BY OFFICE (NEXT TO RMS 100 + 101)	~150 SF	F <u>NF</u>	6	Tiles are lifting around perimeter Spot repairs have occurred Potential for Sig. Damage	Remove	July '00	July '00 Aug.
MUSIC AREA - Rooms 90, 92, 112, 114 Tutor Room Rm 114	~2500 SF	F <u>NF</u>	5	Material is exposed but in good cond. Continue O&M	Maintain in O&M program	2000	2002
Rooms 107 109 99(NURSE)	~1600 SF	F <u>NF</u>	5	Material is exposed but in good condition	Maintain in O&M program	2000	2002
Were additional samples of this ACBM collected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Patrick A. Sharkany</u>					Management Planner name <u>James L. Scott</u>		
Inspector signature <u>[Signature]</u>					Management Planner signature <u>[Signature]</u>		
Accreditation #/State <u>000372/Connecticut</u>					Accreditation #/State <u>AP71263/Connecticut</u>		
Expiration date <u>March 31, 2000</u>					Expiration date <u>July 19, 2000</u>		
I, the LEA's Designated Person, have read and understood the recommendations made above: _____					Date: _____		

School Schaghticoke Middle School Building _____ Date(s) of Reinspection OCT 20, 1999

Homogeneous Sampling Area: Material Description 12x12 TAN floor tile 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	Complete
Rms 123/125/127	~1850 SF	F <u>NF</u>	5	material is exposed but in good cond.	maintain in o+m program	2000	2002
Remainder of school not listed as exposed	~38,000 SF	F <u>NF</u>	5	material is covered by NON-ACM 12x12 tile	maintain in o+m program	2000	2002
		F NF					
Were additional samples of this ACBM collected? Yes <input type="radio"/> No <input checked="" type="radio"/>					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Patrick A. Sharkany</u>					Management Planner name <u>James L. Scott</u>		
Inspector signature <u><i>Patrick Sharkany</i></u>					Management Planner signature <u><i>James L. Scott</i></u>		
Accreditation #/State <u>000372/Connecticut</u>					Accreditation #/State <u>AP71263/Connecticut</u>		
Expiration date <u>March 31, 2000</u>					Expiration date <u>July 19, 2000</u>		
I, the LEA's Designated Person, have read and understood the recommendations made above: _____						Date: _____	

School Schaghticoke Middle School Building _____ Date(s) of Reinspection OCT 20, 1999

Homogeneous Sampling Area: Material Description Mastic Assoc w/ ACM 12x12 TAN Floor tile 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	Complete
Throughout School	Approx 44,000 SF	F <u>NF</u>	5	NOT TESTED Assumed ACBM covered by minimum 1 layer of floor tile	Maintain in O+M program	2000	2002
		F NF					
		F NF					
Were additional samples of this ACBM collected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Patrick A. Sharkany</u>					Management Planner name <u>James L. Scott</u>		
Inspector signature <u>Pat Sharkany</u>					Management Planner signature <u>James L. Scott</u>		
Accreditation #/State <u>000372/Connecticut</u>					Accreditation #/State <u>AP71263/Connecticut</u>		
Expiration date <u>March 31, 2000</u>					Expiration date <u>July 19, 2000</u>		
I, the LEA's Designated Person, have read and understood the recommendations made above: _____						Date: _____	

School Schaghticoke Middle School Building _____ Date(s) of Reinspection OCT 20, 1999

Homogeneous Sampling Area: Material Description Exterior Transite Soffits 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	Complete
Bldg Exterior	—	F NF	—	material removed July 23-26, 1996	Not Applicable Remove from O+M Program	2000	2000
		F NF					
		F NF					
Were additional samples of this ACBM collected? Yes <input checked="" type="radio"/> No					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Patrick A. Sharkany</u>					Management Planner name <u>James L. Scott</u>		
Inspector signature <u><i>Patrick A. Sharkany</i></u>					Management Planner signature <u><i>James L. Scott</i></u>		
Accreditation #/State <u>000372/Connecticut</u>					Accreditation #/State <u>AP71263/Connecticut</u>		
Expiration date <u>March 31, 2000</u>					Expiration date <u>July 19, 2000</u>		
I, the LEA's Designated Person, have read and understood the recommendations made above: _____					Date: _____		

School Schaghticoke Middle School Building _____ Date(s) of Reinspection OCT 20, 1999

Homogeneous Sampling Area: Material Description Roofing palapet 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	Complete
Above music Room	—	F NF	—	material abated July 23-26 1996	Not Applicable Remove from O&M Program	2000	2000
		F NF					
		F NF					
Were additional samples of this ACBM collected? Yes <input checked="" type="radio"/> No					Date of Management Planner review: <u>12/29/99</u>		
Inspectors name <u>Patrick A. Sharkany</u>					Management Planner name <u>James L. Scott</u>		
Inspector signature <u><i>Pat Sharkany</i></u>					Management Planner signature <u><i>James L. Scott</i></u>		
Accreditation #/State <u>000372/Connecticut</u>					Accreditation #/State <u>AP71263/Connecticut</u>		
Expiration date <u>March 31, 2000</u>					Expiration date <u>July 19, 2000</u>		
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): New Milford Public Schools, 47 Bridge Street

Facility Address: Schaghticoke Middle School
23 Hipp Road, New Milford, Connecticut

Date of Surveillance: _____

ACBM DAMAGE REPORT

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Mudded fitting insulation	Air handlers 11 and 12 at room 207					
Mudded fitting insulation	Air handlers 15 and 16 at chiller pumps					
Mudded fitting insulation	Above ceiling at hall by media room					
12"x12" Floor tile and associated mastic	Main entrances by office, rooms 90, 92, 99, 107, 109, 112, 114, 123, 125, and 127					

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

Surveillance conducted by: _____

 (Signature)

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 a number of different homogeneous assemblies may exist in a building, all sheetrock/joint compounds must be assumed to be ACM unless sample results 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

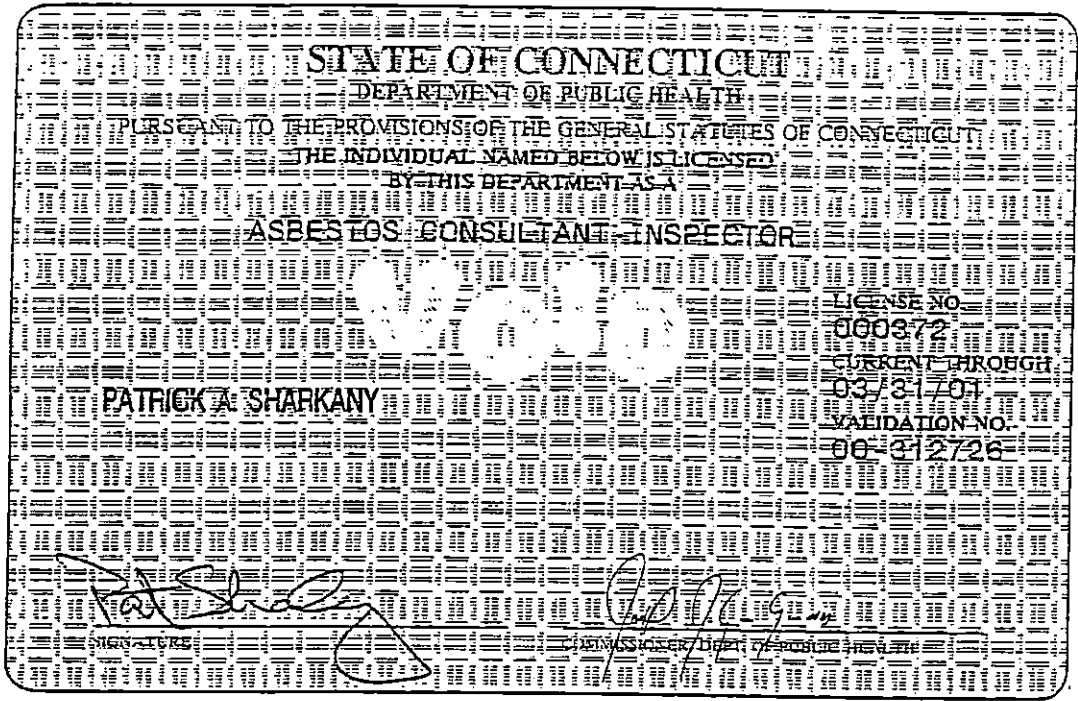
- a) Reduce the likelihood of fiber release.
- b) Maintain transite panels, lab tabletops and window caulking and glazing compounds in undamaged condition.

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.

Y:\WORD\Projects\99\99-390.10d.doc

APPENDIX G
AHERA CERTIFICATES



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS LICENSED

BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT/INSPECTOR

PATRICK A. SHARKANY

LICENSE NO.

000872

CURRENT THROUGH

03/31/2011

VALIDATION NO.

00-012726

Patrick A. Sharkany

[Signature]

SMALLER

SMALLER

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

Patrick Sharkany
13 Griffith Lane, Ridgefield, CT 06877
SS# 015-62-2515

has successfully completed the
8 Hr. Asbestos Inspector Refresher Course
Asbestos Accreditation under TSCA Title II
40 CFR Part 763

James L. Scott, CIH

Principal Instructor

Jan. 11, 2000

Date of Course

Jan. 11, 2000: B

Examination Date & Grade

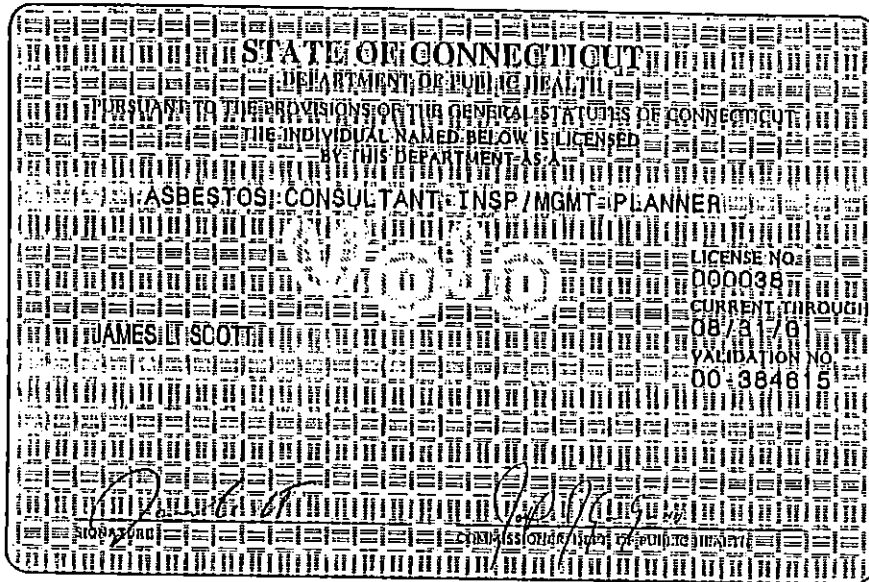
Patricia Lindsey
Training Manager

AIR-1/11-5

Certificate Number

Jan. 11, 2001

Expiration Date



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, SS# 019-34-3740
153 North Washington St., Belchertown, MA 01007
has successfully completed the

8 Hour Lead Planner Project Designer Refresher
(Approved per Sec. 20-477, CT General Statutes.)

Robert L. May, Jr.

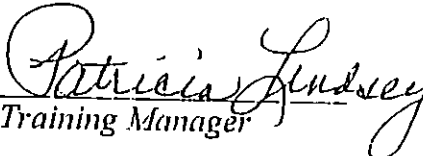
Instructor

Nov. 9-10, 1999

Date of Course

Nov. 10, 1999: A-

Examination Date & Grade


Patricia Lindsey

Training Manager

LPPDR-11/99-2

Certificate Number

Nov. 10, 2000

Expiration Date