



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
Hill and Plain Elementary School
60 Old Town Road, New Milford, CT
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 the Hill and Plain Elementary School at 60 Old Town 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\99-390.10b.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 REINSPECTION AND
MANAGEMENT PLAN UPDATE
FOR
HILL AND PLAIN ELEMENTARY 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)

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1.0 INTRODUCTION

This three-year asbestos re-inspection of the Hill and Plain Elementary School at 60 Old Town 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 19, 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 friable known or assumed asbestos-containing building materials (ACBM).
2. A visual re-inspection of ACBM that was previously considered non-friable to determine if the present condition of the material has made it friable.
3. Identification and assessment of any homogeneous areas that contains newly friable ACBM.

2.0 BUILDING AND MECHANICAL SYSTEM DESCRIPTION

The Hill and Plain Elementary School was built in 1967, with a new addition constructed in 1986. The school is primarily an educational facility (grades K-6) with extra curricular events periodically conducted in the gymnasium and music areas.

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, with water pipes and air ducts 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. The pipe tunnels begin at the boiler room and are located below grade, throughout the perimeter of the building, branching up to the baseboard radiators located in each of the rooms.

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, **Reinspection 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.

No samples were taken during this re-inspection.

Using the USEPA protocol and criteria, the following materials existing in Simpson Waverly School at the time of this three year re-inspection have been determined and/or assumed to be **ACBM**.

Please refer to the above mentioned Re-inspection Forms for specific locations of the following materials:

Homogeneous Material	Reference	Location(s)
Mudded fittings	06-14-BM23/24/25 Mystic '97	1962 Building tunnels, 1986 addition tunnels with the exception of west wing
Mudded fittings	Assumed	Cafeteria tunnels, kindergarten tunnels
9"x9" Floor tile and associated mastic	06-14-BM 16/18/20 Mystic '97	Throughout building under carpet and/or 12"x12" floor tile

Homogeneous Material	Reference	Location(s)
12"x12" Brown and gray floor tile	06-14-BM 10/12/14 Mystic '97	Room 23 and 24 (over 9"x9" floor tile)
Mastic associated with 12"x 12 brown and gray floor tile	Assumed ACBM	Rooms 23 and 24 (over 9"x9" floor tile)
Mudded fittings	Assumed ACBM	Above ceiling at room 6-9, 15, 16, 18 and girl's room by room 21
Mudded fittings	Assumed ACBM	Above ceiling at rooms 1, 2, 4, 17 and 19, fittings are under fiberglass insulation
Insulating cement	Assumed ACBM	Kitchen HVAC unit

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
12"x12" Floor tile and associated mastic	1994 EnviroScience	1986 Wing
Mudded pipe fittings	1994 EnviroScience	Main office, asst. principal's office and adjacent closet and hallway

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, or modification.

The following materials should be considered to be ACBM until analysis proves otherwise:

Homogeneous Material	Location(s)
Sink mastics	Throughout the building
Glue daubs	Behind blackboard and mirrors throughout the building
Pipe insulation and associated mudded fittings	Within pipe chases and walls throughout the building
Carpet mastic	Throughout the building

AHERA only covers interior ACBM. Therefore, exterior ACBM were not sampled. However, the following suspect ACBM were noted exterior to the building: windows, doors, and wall caulks, transite window panels 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 were separated into three USEPA categories. These categories are thermal system insulation (TSI), surfacing ACBM, and miscellaneous ACBM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded insulation on pipe fittings. Surfacing ACBM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACBM not listed in TSI or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles.

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

All ACBM identified during the inspection and still remaining in the school were reassessed using the 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.

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

Mudded fitting insulation: 1962 building and 1986 addition, ± 20 each.

- 2. Repair
Not applicable
- 3. Enclosure
Not applicable
- 4. Encapsulation
Not applicable

5. Operations and Maintenance (O & M)

It should be noted that only locations with assessments of 1 or 2 are recommended for removal or repair. All remaining ACBM in the school shall be placed in an Operations and Maintenance (O & M) Program. The condition of such materials will be monitored until all the ACBM have been removed from the building. A successful O & M Program include the following elements:

- a) Cleaning: All areas of the school where friable ACBM or friable suspected ACBM assumed to be ACBM are present shall be cleaned at least once after the completion of the initial inspection. Additional cleaning may be necessary if the Management Planner make a written recommendation indicating methods and frequency of such cleaning.
- b) O & M Activities: The LEA shall ensure that the procedures described below are followed to protect building occupants for any O & M activities that may disturb known or assumed ACBM:
 - (1) Restrict entry into the area either by physically isolating or by scheduling.
 - (2) Post warning signs to prevent entry by unauthorized persons.
 - (3) Shut off or temporarily modify the air-handling system.
 - (4) Use proper work practices and engineering controls such as wet methods, protective clothing, HEPA-vacuums, mini enclosures/ glove bags etc. to inhibit spread of fibers.
 - (5) Place all asbestos debris and other contaminated materials in a sealed, leak-tight container for eventual disposal.
- c) Minor Fiber Release Episodes: The LEA shall ensure that the procedures described below are followed in the event of a minor fiber release episode (i.e., disturbance of 3 linear/ square feet or less of friable ACBM):
 - (1) Saturate the debris using wet method.
 - (2) Place the debris in a sealed leak-tight container and clean the area.
 - (3) Repair the area of damaged ACBM with materials such as asbestos-free spackling, plaster or insulation or seal with an encapsulant.

- d) Major Fiber Release Episode: The LEA shall ensure that the procedures described below are followed in the event of a major fiber release episode (i.e., disturbance of more than 3 linear/square feet of friable ACBM):
- (1) Restrict entry into the area and post warning signs.
 - (2) Shut off or temporarily modify the air handling system to prevent spread of fibers to other areas of the school.
 - (3) **The response for any major fiber release episode must be designed by persons accredited to design response actions and conducted by persons accredited to conduct response actions.**
 - (4) The LEA shall notify the CTDPH of any major fiber release episode within twenty-four hours of its occurrence and, if necessary, provide written notification as required by applicable federal and/or state regulations.

4.2 Periodic Surveillance

At least once every six (6) months after a management plan is in place, the LEA shall conduct periodic surveillance in the school that contains ACBM or assumed to contain 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.

CHECKLIST FOR EXISTING RECORDS

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

School Building: Hill and Plain Elementary School

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

DOCUMENTATION		LOCATION	
		School	LEA Office
1.	Original AHERA Inspection/Management Plan	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	Yes

Comments: _____

Inspector: Patrick Sharkany

Date: 10/19/99

School: Hill and Plain Elementary School Building Date(s) of Original AHERA Inspection October 1990

Homogeneous sampling areas		Material Category	Friability	Condition Category (1-7)	Recorded Locations	Response actions taken/ renovations/other comments
Sample Number	Description					
06-14-BM23-25	Mudded pipe fittings	TSI	F	5	1962 Building, 1986 addition: with exception of west wing	Fittings observed are in good condition
Assumed	Mudded pipe fittings	TSI	F	5	Cafeteria tunnels, kindergarten tunnels	Fittings observed are in good condition
06-14-BM16/18/20	9"x9" Floor tile and associated mastic	Misc.	NF	5	Various areas throughout school; storage room was sampled	Covered by carpet and/or 12"x12" floor tile
06-14-BM10/12/14	12"x12" Floor tile brown and gray	Misc.	NF	5	Rooms 23 and 24 (over 9"x9" floor tile)	Material is in good condition
Assumed	Mastic associated with brown and gray floor tile	Misc.	NF	5	Rooms 23 and 24 (over 9"x9" floor tile)	Assumed ACBM, which is covered by 12"x12" floor tile
	12"x12" Floor tile and associated mastic				1986 Wing	Non-ACBM, remove from O&M EnviroScience '94
Assumed	Mudded pipe fittings	TSI	F	5	Rooms 15, 16, 18, girl's room by room 21 (all above ceiling)	Fittings observed are in good condition
Assumed	Mudded pipe fittings	TSI	F	5	Rooms 17 and 19 (under fiberglass)	Fittings observed are in good condition
Assumed	Insulating cement	Surf.	F	5	Kitchen HVAC unit	Inspector could not locate material
Assumed	Mudded pipe fittings	TSI	F	5	Above ceilings, under fiberglass wrap at rooms 1, 2 and 4	Fittings observed are in good condition

Information abstracted by Patrick Sharkany Date 10-21-99

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

School: Hill and Plain Elementary School Building Date(s) of Original AHERA Inspection October 1990

Homogeneous sampling areas Sample Number	Material Description	Material Category	Friability	Condition Category (1-7)	Recorded Locations	Response actions taken/ renovations/other comments
Assumed	Mudded pipe fittings				Main office, asst. principal's office and adjacent closet corridor	Non-ACBM, remove from O&M EnviroScience '94
Assumed	Sheetrock and associated joint compound	Misc.	NF	5	Throughout school	None observed damaged - sample before disturbing
Assumed	Fire doors	Misc.	F	5	Throughout school	Friable but enclosed, no damaged doors observed - sample before disposal/maintenance

Information abstracted by Patrick Sharkany Date 10-21-99

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

School: Hill and Plain Elementary School Building _____ Date(s) of Re-Inspection October 1990

Sample Number	Homogeneous sampling areas		Material Category	Quantity (SF/LF)	Friability	Assessment Category (1-7)	Recorded locations of material for each assessment category	Asbestos Content (%)
	Assumed	Material Description						
Assumed	Sink mastic	Misc.	Unknown	NF	5	Throughout school	Assumed	
Assumed	Glue daubs	Misc.	Unknown	NF	5	Potentially throughout school behind blackboards and/or mirrors	Assumed	
Assumed	Pipe insulation	TSI	Unknown	F	5	Potentially within walls and/or pipe chases	Assumed	
Assumed	Mudded pipe fittings	TSI	Unknown	F	5	Potentially within walls and/or pipe chases	Assumed	
Assumed	Carpet mastic	TSI	Unknown	F	5	Throughout school where carpet exists	Assumed	

Information abstracted by Patrick Sharkany Date 10-21-99

Friability: F = friable, NF = nonfriable

ASHERA 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

Date(s) of Reinspection: 10-21-99

School: Hill + Plain Elem. Building

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
Rms 1, 2, + 4 Above ceiling (under fiberglass wrap)	8	F NF	5	material is wrapped then covered w/ fiberglass	Remove old pipe	2000	2002
Above ceilings @ Rms 6 + 9 and Kindergarten Hall	25	F NF	5	good overall cond. material is wrapped and in good cond.	Remove old pipe	2000	2002
Main office Asst Princ office + Corridor		F NF		NON-ACM (194 Environmental)	Remove old pipe	2000	2002

Were additional samples of this ACBM collected? Yes No

Date of Management Planner review: 6 Apr 00

Inspector's name: PATRICK SHARKANY

Inspector's signature: *Patrick Sharkany*

Accreditation #/State: 00372 / CT

Expiration date: 03-31-00

Management Planner name: JAMES L. SCOTT

Management Planner signature: *James L. Scott*

Accreditation #/State: AP71263 / CT

Expiration date: 07-19-00

I, the I.E.A.'s Designated Person, have read and understood the recommendations made above.

Date

Date(s) of Reinspection: 10-21-99

School: Hill + Plain Elem. Building: Muddled Fittings

ID Number

Homogeneous Sampling Area: Material Description

REINSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by assessment category	Quantity	Fitability	Assessment category (1-7)	Preventive measures	Schedule
1962 Bldg + 1986 Addition Tunnels	±/- 150	1 NF	5	Abatement required but not found. ACM remains. Fittings are in good cond (wrapped)	2000 2002
As above but there are some damaged fittings. Tapes wrapping water damage.	±/- 20	1 NF	1	Remove and replace	2000 2001
Above ceiling - Rms 15, 16, 18 Girls Rm by RM 21	±/- 30	1 NF	5	Remove and replace ACM: Fittings observed are wrapped & in good cond.	2000 2002

Were additional samples of this ACBM collected? Yes No

Inspector's name: PATRICK SHACKANY
 Inspector signature: *Patrick Shackany*
 Accreditation #/State: 00372/CT
 Expiration date: 03-31-00

Date of Management Planner review: 6 Apr 00
 Management Planner name: JAMES L. SCOTT
 Management Planner signature: *James L. Scott*
 Accreditation #/State: AP 71263/CT
 Expiration date: 07-19-00

I, the I EA's Designated Person, have read and understood the recommendations made above

Date(s) of Reinspection: 10-21-99

School: Hill + Plain Elem. Building: Mrs. Add Higgins

IF Number

Homogeneous Sampling Area: Material Description

REINSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS			
Location(s) of ACBM by assessment category	Quantity	Triability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	
						Complete	
Above ceilings @ Rm 17 + 19 (under fiberglass)	+/- 20	(1) NF	5	Assured A/C M: Fittings are assumed wrapped - in good cond.		10/21/99	10/22
		F					
		NF					
		F					
		NF					

Were additional samples of this ACBM collected? Yes No

Inspectors name: PATRICK SHACKANY

Inspector signature: *Patrick Shackany*

Accreditation #/State: 00372 / CT

Expiration date: 03-31-00

Date of Management Planner review: 6/19/00

Management Planner name: JAMES L. SCOTT

Management Planner signature: *James L. Scott*

Accreditation #/State: AP 71263 / CT

Expiration date: 07-19-00

I, the IEA's Designated Person, have read and understood the recommendations made above. Date

Date(s) of Reinspection: 10-21-99

School: Hill + Plain Elem. Building: 9 x 9 Floortile

ID Number

Homogeneous Sampling Area: Material Description

REINSPECTION FINDINGS FOR ACRBM				MANAGEMENT PLANNER RECOMMENDATIONS			
Location(s) of ACRBM by assessment category	Quantity	Triability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	Complete
Throughout School	Approx. 200 sq ft	F	5	Tile is covered by 12"x12" floortile or sample NONE OBSERVED EXPOSED	Maintain on Otan Program	2000	2002
		F					
		NF					
		F					
		NF					

Were additional samples of this ACRBM collected? Yes No

Inspectors name: PATRICK SHACKANY
 Inspector signature: *Patrick Shackany*
 Accreditation #/State: 00372 / CT
 Expiration date: 03-31-00

Date of Management Planner review: 6 Apr - 00
 Management Planner name: JAMES L. SCOTT
 Management Planner signature: *James L. Scott*
 Accreditation #/State: AP 71263 / CT
 Expiration date: 07-19-00

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

Date(s) of Reinspection ID Number

Homogeneous Sampling Area: Material Description MASTIC ASSOC w/ 9x9 Fiberglass

REINSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Assessment	Preventive measures
Throughout SCHOOL L	pop. 300 +/- SF	F NF	5	Assumed ACBM material covered by minimum 1 layer of floor tile No EXPOSED MASTIC seen	Maintain on OPM Program
		F NF			
		F NF			

Were additional samples of this ACBM collected? Yes No

Inspectors name PATRICK SHARKANY
Inspector signature *Patrick Sharkany*
Accreditation #/State 00372 / CT
Expiration date 03-31-00

Date of Management Planner review: 6 Apr 00
Management Planner name JAMES L. SCOTT
Management Planner signature *James L. Scott*
Accreditation #/State AP 71263 / CT
Expiration date 07-19-00

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

Date(s) of Reinspection: 10-21-99

School: Hill + Plain Elem. Building: 12x12 Floor file

IF# Number

Homogeneous Sampling Area: Material Description

REINSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS			
Location(s) of ACBM by assessment category	Quantity	Triability	Assessment category (1-7)	Assessment	Preventive measures	Schedule	
						Begin	
						Complete	
Room 23 + 24 (color brown r) gray)	1/2 4000 SF	I NF	5	material is exposed but in good cond.	maintain on O+M Program	2000	2002
1986 WEST WING	QTY UNKNOWN	I NF	—	NON-ACM EnviroScience '94 Remove from O+M	Remove from O+M Program	2000	2000
Kindergarten wing CORE DORE	800 SF	I NF	—	material abated Jan '93 Remove from O+M	Remove from O+M Program	2000	2000

Were additional samples of this ACBM collected? Yes No

Inspectors name: PATRICK SHARKANY
 Inspector signature: *Patrick Sharkany*
 Accreditation #/State: 00372 / CT
 Expiration date: 03-31-00

Date of Management Planner review: 6/27/01
 Management Planner name: JAMES L. SCOTT
 Management Planner signature: *James L. Scott*
 Accreditation #/State: AP 71263 / CT
 Expiration date: 07-19-00

I, the IEA's Designated Person, have read and understood the recommendations made above.

10-21-99

Date(s) of Reinspection

Building

School Hill + Plain Elem.

Homogeneous Sampling Area: Material Description Mastic Assoc w/ 12x12 floor tile # Number

REINSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by assessment category	Quantity	Triability	Assessment category (1-7)	Preventive measures	Schedule
					Begin Complete
Rooms 23 + 24	+/- 4000 SF	F (NF)	5	Maintain on STM Program	2000 2002
		F NF			
		F NF			
Were additional samples of this ACBM collected? Yes No				Date of Management Planner review: 6/24/00	
Inspectors name: PATRICK SHACKANY				Management Planner name: JAMES L. SCOTT	
Inspector signature: <i>Patrick Shackany</i>				Management Planner signature: <i>James L. Scott</i>	
Accreditation #/State: 00372 / CT				Accreditation #/State: AP 71263 / CT	
Expiration date: 03 - 31 - 00				Expiration date: 07-19-00	
I, the I.E.A.'s Designated Person, have read and understood the recommendations made above.				Date	

Date(s) of Reinspection: 10-21-99

School: Hill + Plain Elem. Building: Trowelled on cement

IB Number:

Homogeneous Sampling Area: Material Description: Trowelled on cement

REINSPECTION FINDINGS FOR ACBM			MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7)	Schedule	
				Begin	Complete
Kitchen HVAC unit	75 SF	F	5	2000	2000
		NF			
		F			
		NF			
		F			
		NF			

Assessment: Inspector + CUSTODIAN could not locate

Preventive measures: Remove from atm Program

Were additional samples of this ACBM collected? Yes No

Inspectors name: PATRICK SHARKANY

Inspector signature: *Patrick Sharkany*

Accreditation #/State: 00372 / CT

Expiration date: 03-31-00

Date of Management Planner review: 6 Sep - 00

Management Planner name: JAMES L. SCOTT

Management Planner signature: *James L. Scott*

Accreditation #/State: AP 71263 / CT

Expiration date: 07-19-00

I, the I.E.A.'s Designated Person, have read and understood the recommendations made above.

Date:

PERIODIC SURVEILLANCE FORM

Local Education Agency (LEA): New Milford Public Schools, 47 Bridge Street

Facility Address: Hill and Plain Elementary School
60 Old Town Road, New Milford, CT

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	Above ceilings in rooms 1, 2, 4, 6-9, 15-19, kindergarten hall, tunnels in 62 and 86 sections, and girls room by room 21	G				
9x9 Floor tile	Throughout the building	G				
Mastic associated with 9x9 floor tile	Throughout the building	G				
12x12 Floor tile	Rooms 23 and 24	G				
Mastic associated with 12x12 floor tile	Rooms 23 and 24	G				

Conditions: G = Good

D = Damaged

SD = Significant damage

Surveillance conducted by: _____

 (Signature)

**PREVENTIVE MEASURES
FOR VARIOUS ASBESTOS-CONTAINING MATERIALS**

A. SURFACING MATERIALS

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

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

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

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

B. THERMAL SYSTEM INSULATION (TSI)

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

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

1. Boiler and breeching insulation

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

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

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

3. Fire door

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

C. MISCELLANEOUS MATERIALS

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

1. Vinyl Asbestos Floor Tiles (VAT)

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

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

2. Gypsum wallboard and joint compound assembly

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

3. Ceiling Tile and Glue Daubs

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

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

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

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

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

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.

000372

CURRENT THROUGH

03/31/01

VALIDATION NO.

00-312726

SIGNATURE

COMMISSIONER, DEPT. OF PUBLIC HEALTH

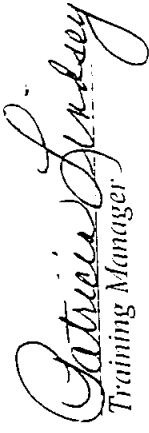
State of Connecticut
Board of Trustees, Community-Technical Colleges
Capital Community-Technical College
401 Flatbush Avenue, Hartford, CT 06106 -- (860) 987-4814

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
DEPARTMENT OF PUBLIC HEALTH
PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
PERMITS THE INDIVIDUAL NAMED BELOW TO BE LICENSED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT - INSP/MGMT PLANNER
LICENSE NO. 000038
CURRENT THROUGH 08/31/00
VALIDATION NO. 003846

JAMES L. SCOTT
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JAMES L. SCOTT
ANDY

DEPARTMENT OF PUBLIC HEALTH

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

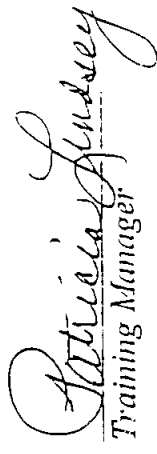
153 North Washington St., Belchertown, MA 01007
has successfully completed the

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


Training Manager

LPPDR-11/99-2
Certificate Number

Nov. 10, 2000
Expiration Date