

**Asbestos Hazard Emergency Response Act  
Three-Year Reinspection  
For Hill and Plain Elementary School**

**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  
The EPA Asbestos Hazard Emergency Response Act  
(AHERA, 40 CFR Part 763)**

**New Milford Public Schools  
New Milford, Connecticut**

**October 2008**



**Fuss & O'Neill EnviroScience, LLC  
56 Quarry Road  
Trumbull, Connecticut 06611**



**FUSS & O'NEILL**  
EnviroScience, LLC

*Disciplines to Deliver*

October 3, 2008

Mr. John Calhoun  
Facilities Manager  
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, Connecticut  
Fuss & O'Neill EnviroScience Project No. 20071230.A1E**

Dear Mr. Calhoun:

Enclosed is the report of the three-year AHERA asbestos re-inspection and management plan update conducted by Fuss & O'Neill EnviroScience, LLC (EnviroScience) at Hill and Plain Elementary School located at 60 Old Town Road in 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 maintained.

Attached please find the Three Year Re-inspection Form. This form requires your signature and must be forwarded to the Connecticut Department of Public Health. Retain a copy of the signed form in your Management Plan. Additionally, you will need to sign the bottom of each Re-Inspection Form 2 (Appendix D). Please remember to provide annual refresher training for custodial staff. If any new custodians are hired, they must be trained in Asbestos Awareness within sixty days of hire. Also, please continue to send out annual notifications to parents, teachers, school staff, etc.

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.

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Connecticut  
Massachusetts  
New York  
Rhode Island  
North Carolina  
South Carolina

Sincerely,

**Matthew Myers**  
Senior Project Manager

KM/ll  
Enclosure

**Neal B. Freuden**  
President

**ASBESTOS HAZARD EMERGENCY RESPONSE ACT  
THREE-YEAR REINSPECTION AND MANAGEMENT PLAN UPDATE  
FOR HILL AND PLAIN ELEMENTARY SCHOOL**

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## 1.0 INTRODUCTION

This three-year re-inspection of Hill and Plain Elementary School in New Milford, Connecticut was conducted in accordance with the State of Connecticut Department of Public Health Regulation regarding Asbestos Materials in Schools (19a-331-1 through 19a-333-13) and the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR 763.85 (b). Kevin McCarthy of Fuss & O'Neill EnviroScience, LLC (EnviroScience) performed the re-inspection on March 31, 2008. Mr. McCarthy is an accredited Asbestos Consultant - Inspector in the State of Connecticut (License No. 000586). 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 been rendered friable.
3. Identification and assessment of any homogeneous area that contained new 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 formation, 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 ceiling plenum space, with water pipes and air ducts located near the true ceiling deck. 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 Re-inspection Summary

The on-site portion of the re-inspection was documented on forms modeled after examples provided by the United States Environmental Protection Agency (EPA) and reviewed with 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 (ACM) that were previously unidentified (see Appendix C). It also lists the ACM in areas newly required 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 ACM (see Appendix D). This form also provides response action information including a tentative schedule for completing any required response actions.

Using the USEPA protocol and criteria, the following materials have been **determined to be ABCM** and were present in Hill and Plain Elementary School at the time of this three-year re-inspection. Please refer to the above mentioned Re-inspection Forms for specific locations.

MATERIAL	LOCATION	REFERENCE	ASBESTOS CONTENT
Pipe and/or pipe fitting insulation*	Throughout building – tunnels, above ceilings in corridor, classrooms, cafeteria, storage areas, main office, and within pipe chases	EnviroScience Consultants reinspection 1993	3% Chrysotile
Interior boiler roping, gaskets, firebrick materials, etc.	Boiler room – within boilers one (1) and two (2)	EnviroScience Consultants reinspection 2005	Assumed
Plaster ceiling	Boiler room	EnviroScience Consultants reinspection 2005	Assumed
Vibration isolation cloth	Gymnasium (four locations)	Fuss & O'Neill EnviroScience reinspection 2008	Assumed
Sink undercoating – grey and black colored	Throughout building – office near OT/PT, kindergarten rooms 1, 2, and 3, classrooms 1-22, teacher's room, and main office storage room	EnviroScience Consultants reinspection 1999	Assumed
Glue daubs associated with blackboards/tackboards	Throughout building – corridors, classrooms, offices, library, main office, principal's office, teacher's room, storage rooms, and cafeteria	EnviroScience Consultants reinspection 1999	Assumed



MATERIAL	LOCATION	REFERENCE	ASBESTOS CONTENT
Sheetrock™ and associated joint/taping compound	Throughout building – corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	EnviroScience Consultants reinspection 2005	Assumed
Ductwork joint sealant and/or paper	Throughout building – corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	EnviroScience Consultants reinspection 2005	Assumed
Black window sills	Throughout building – classrooms, offices, storage rooms, toilet rooms, library, principal's office, teacher's room, kitchen, and cafeteria	EnviroScience Consultants reinspection 2005	Assumed
Cove base and/or associated adhesives	Throughout building – corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	EnviroScience Consultants reinspection 2005	Assumed
Transite™ paneling	Exterior overhangs – classrooms 21-26, classrooms 16-20, teacher's room – 10, classrooms 9-10, kindergarten 1 – kindergarten 3, classrooms 4 - custodian room	Fuss & O'Neill EnviroScience reinspection 2008	Assumed
12"x12" floor tile and/or associated mastic***	Throughout building – with the exception of classrooms 23 and 24	EnviroScience Consultants reinspection 1993	Assumed
9"x9" floor tile and/or associated mastic**	Throughout building - closets in kindergarten 1, 2, 3, classrooms 4, 5, (under 12x12 floor tile) 6, 7, 8, electrical closet near classroom 7, main office storage, main office (under carpet), assistant principal's office (under carpet), principal's office (under carpet), guidance room (under carpet), paraprofessional office (under carpet), psychology office (under carpet), storage room near paraprofessional office (under carpet) classrooms 15, 16, 17, 18, 19, storage room near classroom 19, classroom 21	EnviroScience Consultants reinspection 1993	2% Chrysotile

**NOTE:** \*ACBM Pipe and/or pipe fitting insulation may exist in inaccessible areas (within walls and chases, above fixed ceilings, etc.). Pipe and/or pipe fitting insulation in tunnels is a known ACBM (614BM23), thus all pipe and/or pipe fitting insulation throughout building is assumed to be an ACBM.

\*\*9"x9" floor tile was determined to be ACBM (614BM16) and associated black mastic is assumed (samples were never analyzed).

\*\*\*12"x12" floor tile and associated black mastic was determined to be none detected for asbestos (614BM10-15), however material is assumed be ACBM on previous Reinspection reports.

Using the USEPA protocol and criteria the following materials have been determined to be **non-ACBM**:

MATERIAL	LOCATION	REFERENCE
12"x12" floor tile and/or associated mastic*	Classrooms 23 and 24	EnviroScience Consultants reinspection 1993
Boiler Insulation	Boiler room – boiler one (1) and two (2)	EnviroScience reinspection 2008

**NOTE** \*12"x12" floor tile and associated black mastic was determined to be none detected for asbestos (614BM10-15) in classroom 23 and 24. Additional samples should be collected and analyzed throughout building to determine asbestos content of the additional 12"x12" floor tile and/or associated mastic.

The information obtained during this re-inspection was transmitted to Mr. Matthew Myers, an accredited Management Planner, so that response actions relative to the condition of the ACBM could be designed. Mr. Myers is a licensed Asbestos Management Planner in the State of Connecticut (License No. 000041).

### 3.2 Newly Identified or Re-sampled ACBM Materials

The material listed below was identified during this three year reinspection and is assumed ACBM:

MATERIAL	LOCATION	ASBESTOS CONTENT
Vibration isolation cloth	Gymnasium (four locations)	Assumed
Transite™ paneling	Exterior overhangs – classrooms 21-26, classrooms 16-20, teacher's room – 10, classrooms 9-10, kindergarten 1 – kindergarten 3, classrooms 4-custodian room	Assumed

The material listed below was sampled and determined to be None Detected for asbestos content:

MATERIAL	LOCATION
Boiler breeching insulation	Boiler room – boilers one (1) and two (2)

Destructive, localized demolition measures to access potential ACBM were not employed by EnviroScience as part of this inspection. Should suspect ACBM be encountered during renovation or maintenance activities, they should be considered to be ACBM until laboratory results prove otherwise. The following suspect materials may be located in the school in inaccessible areas or were not sampled due to the destructive nature of testing;

- Blackboards, tack boards, bulletin boards, mirrors, water fountains, and associated mastics



- Thermal system insulation (TSI) in walls/chases, boilers, above fixed ceilings, boilers etc.
- Ceramic tile grout/mastic
- Sectional wall glues
- Fire doors
- Counter adhesive(s)
- Flooring materials/adhesives under fixed building components (i.e. cabinets, sheetrock walls, etc.)
- Wiring insulation at stage lighting
- Kilns in Art Room

### **THROUGHOUT ORIGINAL BUILDING:**

The following material was identified during this three year reinspection and need to be sampled for asbestos content or MSD sheets need to be obtained and inserted in Appendix K identifying that no asbestos is present in the materials; otherwise the materials must be assumed to be ACM and implemented into the management plan for Hill and Plain Elementary School:

- Ceiling tiles – various 2'x2' and 2'x4' types
- Carpet adhesives
- Red and/or brown fire caulking compounds

The following materials were assumed to be ACM on previous three re-inspections and implemented into the management plan for Hill and Plain Elementary School. The materials should be sampled to determine asbestos content due to the fact that the following materials may not actually be ACM:

- Plaster ceiling in boiler room
- Sink undercoating – various colors
- Sheetrock™ and/or associated joint/taping compound
- Ductwork joint sealant and/or paper
- Black window sills
- Cove base and/or associated adhesives
- Carpet adhesives

### **THROUGHOUT LATE 1980's BUILDING ADDITION AREA:**

Suspect asbestos containing materials were observed during this three year re-inspection throughout the late 1980's building addition of the school. MSD sheets must be obtained and insert into Appendix K displaying that asbestos is not present in the materials or the material must be sampled to determine asbestos content, otherwise the materials need to be placed on the management plan for Hill and Plain Elementary School:

- 12"x12" floor tile – various colors and associated yellow mastic
- Grey leveling compound
- Cove base – various colors and cove base adhesives – white colored





- Carpet adhesives
- Ceiling tiles – various styles and sizes
- Sheetrock and associated taping compound
- Newer window sills
- Sink undercoating
- Any additional visible, accessible suspect materials located in the new construction area

**DISCLAIMER:**

**ADDITIONAL INFORMATION:**

- Newer and older building materials that typically do not contain asbestos were found within the building. Newer ceiling tiles, sheetrock and joint compound, countertops, adhesives, ceramic grout, textured paint, carpet adhesive and gymnasium wall adhesive were found. The Owner must obtain MSD sheets for building materials installed recently or analyze building materials for asbestos content or assume they contain asbestos.
- Pipe and/or pipe fitting insulation may exist in areas inaccessible during this inspection (i.e., within walls, pipe chases, above fixed ceilings).
- ACM floor tile and associated mastics may exist below non-moveable objects such as cabinets, platforms, sheetrock walls, lockers, etc.
- ACM transite paneling may exist behind sheetrock walls and ceilings throughout the school building
- Black water proofing material attached to interior of the exterior block is a possible ACM and must be sampled if material is to be disturbed.
- Exterior building materials not covered under AHERA, such as caulking and glazing compounds, roofing materials and materials behind exterior walls and panels should be sampled prior to performing activities that would disturb them.
- Other materials not previously sampled (blackboard/tack board mastics, blackboard, mirror, peg board, wood paneling, sectional wall paneling, and bulletin board adhesive, ceramic tile grout in bathrooms, walk-in cooler adhesives, etc.) should be considered ACM unless laboratory results prove otherwise.

**3.3 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 ABCM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ABCM 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.

#### **4.0 MANAGEMENT PLAN UPDATE**

##### **4.1 Recommended Response Actions**

###### **1. Removal**

The pipe fitting insulation in kindergarten room 1 (above ceiling tiles near the closet) is recommended to be removed.

###### **2. Repair**

None

###### **3. Enclosure**

None

###### **4. Encapsulation**

None

#### **5.0 OPERATIONS AND MAINTENANCE**

All remaining ACBM in the school shall be placed in an Operations and Maintenance Program. The condition of such materials will be monitored until all the ACBM have been removed from the building. The program will include periodic surveillance inspections to maintain the effectiveness of the program. Please see Appendix G for Preventive Maintenance Procedures for different ACM.

It should be noted that only locations with assessments of 1 or 2 are recommended for removal or repair. The remaining materials in this building should be addressed with continued operations and maintenance surveillance.



## 6.0 EPA CERTIFICATION REQUIREMENTS

The certificates and the licenses for the individuals (Kevin McCarthy and Matthew Myers) involved in performing the re-inspection and updating the management plan are provided in Appendix H.

Report prepared by Environmental Analyst II Kevin McCarthy.

Report reviewed by:

Matthew Myers  
Senior Project Manager

Neal B. Freuden  
President



**APPENDIX A**  
**CHECKLIST FOR EXISTING RECORDS**



### CHECKLIST FOR EXISTING RECORDS

Local Education Agency (LEA): New Milford Public Schools  
386 Danbury Road  
New Milford, Connecticut

School Building: Hill and Plain Elementary School

The following documentation is required to be present in both the LEAS' 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	No	Yes
2.	Three year Re-inspection (First and all subsequent three-year re-inspections)	No	Yes
3.	Notifications to Parents/Guardians and Teachers (yearly since last re-inspection)	No	Yes
4.	Designated Person Identified and Proper Training (person must be named and have appropriate training)	No	Yes
5.	Designated Person Periodic Surveillance (every six months since last re-inspection)	No	Yes
6.	Record of Awareness Training for Maintenance Staff	No	Yes
7.	Outside Vendor Awareness Notification	No	Yes
8.	Warning Signs and Labels (required posting in Boiler room and mechanical spaces only)	No	N/A
9.	Record of Response Actions (includes any abatement done since last re-inspection)	No	Yes

Comments: Copies of all information pertaining to Hill and Plain Elementary School located in LEA office should be placed at the school. OSHA Warning Signs need to be posted at the entrance to pipe tunnels in the boiler room.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector: Kevin McCarthy

Date: March 31, 2008



**APPENDIX B**  
**RE-INSPECTION FORM 1A**

Re-inspection Form 1 (A) - List of ACBM Asbestos-Containing Materials

School: Hill and Plain Elementary School

Date(s) of Original Inspection: 1986

Address: 60 Old Town Road, New Milford, CT

Sample Number	Homogeneous Material		Material Category	Friability	Assessment Category (1-7)	Recorded locations	Response actions taken/renovations/other comments
	Asbestos Content	Material Description					
0614BM23	3% Chrysotile	Pipe and/or pipe fitting insulation	TSI	F	1	Kindergarten 1	Material is damaged
0614BM23	3% Chrysotile	Pipe and/or pipe fitting insulation	TSI	F	5	Throughout building - tunnels, above ceilings in corridor, classrooms, cafeteria, storage areas, main office, and within pipe chases	Maintained under O & M
Assumed	Assumed	Interior boiler roping, gaskets, firebrick materials, etc.	TSI	F	5	Boiler room - within boilers one (1) and two (2)	Maintained under O & M
Assumed	Assumed	Plaster ceiling	Surf	F	5	Boiler room	Maintained under O & M
Assumed	Assumed	Sink undercoating - grey and black colored	Misc.	NF	5	Throughout building - office near OT/PT, kindergarten rooms 1, 2, and 3, classrooms 1-22, teacher's room, and main office storage room	Maintained under O & M

Information abstracted by: Kevin McCarthy

Date: March 31, 2008

Material Category: TSI = Thermal System Insulation, Surf. = Surfacing, Misc. = Miscellaneous

Friability: F = friable, NF = non-friable

ASBESTOS 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

Re-inspection Form 1 (A) - List of ACBM Asbestos-Containing Materials

School: Hill and Plain Elementary School

Date(s) of Original Inspection: 1986

Address: 60 Old Town Road, New Milford, CT

Sample Number	Homogeneous Material		Material Category	Friability	Assessment Category (1-7)	Recorded locations	Response actions taken/renovations/other comments
	Asbestos Content	Material Description					
Assumed	Assumed	Glue daubs associated with blackboards/tackboards	Misc.	NF	5	Throughout building - corridors, classrooms, offices, library, main office, principal's office, teacher's room, storage rooms, and cafeteria	Maintained under O & M
Assumed	Assumed	Sheetrock™ and/or associated joint/taping compound	Misc.	F	5	Throughout building - corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	Maintained under O & M
Assumed	Assumed	Ductwork joint sealant and/or paper	Misc.	NF	5	Throughout building - corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	Maintained under O & M

Information abstracted by: Kevin McCarthy

Date: March 31, 2008

Material Category: TSI = Thermal System Insulation, Surf. = Surfacing, Misc. = Miscellaneous

Friability: F = friable, NF = non-friable

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



Re-inspection Form 1 (A) – List of ACBM Asbestos-Containing Materials

School: Hill and Plain Elementary School Date(s) of Original Inspection: 1986

Address 60 Old Town Road, New Milford, CT

Sample Number	Homogeneous Material		Material Category	Friability	Assessment Category (1-7)	Recorded locations	Response actions taken/renovations/other comments
	Asbestos Content	Material Description					
Assumed	Assumed	Black window sills	Misc.	NF	5	Throughout building – classrooms, offices, storage rooms, toilet rooms, library, principal's office, teacher's room, kitchen, and cafeteria	Maintained under O & M
Assumed	Assumed	Cove base and/or associated adhesives	Misc.	NF	5	Throughout building – corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	Maintained under O & M
Assumed	Assumed	12" x 12" floor tile and/or associated mastic	Misc.	NF	5	Throughout building – with the exception of classrooms 23 and 24	Maintained under O & M

Information abstracted by: Kevin McCarthy Date: March 31, 2008

Material Category: TSI = Thermal System Insulation, Surf. = Surfacing, Misc. = Miscellaneous

Friability: F = friable, NF = non-friable

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

Re-inspection Form 1 (A) – List of ACBM Asbestos-Containing Materials

School: Hill and Plain Elementary School

Date(s) of Original Inspection: 1986

Address: 60 Old Town Road, New Milford, CT

Sample Number	Homogeneous Material		Material Category	Friability	Assessment Category (1-7)	Recorded locations	Response actions taken/renovations/other comments
	Asbestos Content	Material Description					
614BM16	2%Chrysotile	9"x9" floor tile and/or associated mastic	Misc.	NF	5	Throughout building - closets in kindergarten 1, 2, 3, classrooms 4, 5, (under 12x12 floor tile) 6, 7, 8, electrical closet near classroom 7, main office storage, main office (under carpet), assistant principal's office (under carpet), principal's office (under carpet), guidance room (under carpet), paraprofessional office (under carpet), psychology office (under carpet), storage room near paraprofessional office (under carpet) classrooms 15, 16, 17, 18, 19, storage room near classroom 19, classroom 21	Maintained under O & M

Information abstracted by: Kevin McCarthy

Date: March 31, 2008

Material Category: TSI = Thermal System Insulation, Surf. = Surfacing, Misc. = Miscellaneous

Friability: F = friable, NF = non-friable

ASBESTOS 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**  
**RE-INSPECTION FORM 1B**

Re-inspection Form 1 (B) – List of Suspect Asbestos-Containing Materials (ACM) previously unidentified

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

Date of Original Ahera Inspection 1986  
Date(s) of Re-inspection March 31, 2008

Sample number	Homogeneous Material		Asbestos Content (%)	Material Category	Quantity (SF/LF)	Friability	Assessment Category (1-7)	Recorded locations of material for each assessment category
	Material description							
Assumed	Vibration isolation cloth		Assumed	Misc.	4 pieces	F	5	Gymnasium – four locations
Assumed	Transite™ paneling		Assumed	Misc.	3,000 SF	NF	5	Exterior overhangs – classrooms 21-26, classrooms 16-20, teacher's room – 10, classrooms 9-10, kindergarten 1 – kindergarten 3, classrooms 4-custodian room

Information abstracted by: Kevin McCarthy

Date: March 31, 2008

Material Category: TSI = Thermal System Insulation, Surf. = Surfacing, Misc. = Miscellaneous

Friability: F = friable, NF = non-friable

AHERA assessment category:

1 = Damaged or significantly damaged TSI ACM; 2 = Damaged friable surfacing ACM; 3 = Significantly damaged friable surfacing ACM; 4 = Damaged or significantly damaged friable miscellaneous ACM; 5 = ACM with potential for damage; 6 = ACM with potential for significant damage; 7 = Any remaining friable ACM or friable suspected ACM



**APPENDIX D**  
**RE-INSPECTION FORM 2**

Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School  
 Date(s) of Re-Inspection March 31, 2008  
 Homogeneous Material: TSI: Pipe and/or Pipe Fitting Insulation  
 Sample ID Number: 0614BM23

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Kindergarten 1	F	3 SF	1	Remove/ repair damaged fitting	Summer 2008
Throughout building – tunnels, above ceilings in corridor, classrooms, cafeteria, storage areas, main office, and within pipe chases	F	600 SF	5	Operations & Maintenance  Operation & Maintenance  Material is assumed to exist within walls, pipe chases, and above fixed ceilings	Continue  Continue
Were additional samples of this ACBM collected? No					
Inspector's name: <u>Kevin McCarthy</u>					
Inspector signature: <u><i>Kevin McCarthy</i></u>					
Accreditation #/State: <u>000586/CT</u>					
Expiration date: <u>5/31/2009</u>					
Date of Management Planner review: <u>4/16/08</u>					
Management Planner name: <u>Matthew Myers</u>					
Management Planner signature: <u><i>Matthew Myers</i></u>					
Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>4/30/2009</u>					

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

Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008

Homogeneous Material: TSI: Interior Boiler Roping, Gaskets, Firebrick Materials, Etc Sample ID Number: Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Physical Description	Recommended Response Action(s)	Date Action Completed
Boiler room - boiler one (1) and two (2)	F	Unknown	5	Intact friable thermal system insulation with a potential for contact, heat and water damage.	Operations & Maintenance  Material does not appear to be damaged from outside the boilers  Sample material(s) for asbestos content during boiler cleaning	Continue
Were additional samples of this ACBM collected? No						
Inspector's name: <u>Kevin McCarthy</u>						
Inspector signature: <u>[Signature]</u>						
Accreditation #/State: <u>000586/CT</u>						
Expiration date: <u>5/31/2009</u>						
I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____						
Date of Management Planner review: <u>4/16/08</u>						
Management Planner name: <u>Matthew Myers</u>						
Management Planner signature: <u>[Signature]</u>						
Accreditation #/State: <u>000041/CT</u>						
Expiration date: <u>4/30/2009</u>						

Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008  
 Homogeneous Material: Surfacing: Plaster Ceiling Sample ID Number: Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Boiler room	F	2,000 SF	5	Operations & Maintenance	Continue
Were additional samples of this ACBM collected? <u>No</u>					
Inspector's name: <u>Kevin McCarthy</u>					
Inspector signature: <u>[Signature]</u>					
Accreditation #/State: <u>000586/CT</u>					
Expiration date: <u>5/31/2009</u>					
Date of Management Planner review: <u>4/16/08</u>					
Management Planner name: <u>Matthew Myers</u>					
Management Planner signature: <u>[Signature]</u>					
Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>4/30/2009</u>					
I, the LEA's Designated Person, have read and understood the recommendations made above: _____					
Date: _____					



Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008  
 Homogeneous Material: Miscellaneous: Vibration Isolation Cloth Sample ID Number: Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Gymnasium (four locations)	F	4 Pieces	5	Operations & Maintenance	Continue
Physical Description					
Intact friable miscellaneous material with a potential for contact and vibration damage					
Were additional samples of this ACBM collected? <u>No</u>					
Inspector's name: <u>Kevin McCarthy</u>					
Inspector signature: <u>[Signature]</u>					
Accreditation #/State: <u>000586/CT</u>					
Expiration date: <u>5/31/2009</u>					
Date of Management Planner review: <u>4/16/08</u>					
Management Planner name: <u>Matthew Myers</u>					
Management Planner signature: <u>[Signature]</u>					
Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>4/30/09</u>					
I, the LEA's Designated Person, have read and understood the recommendations made above: Date: _____					


Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations


School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008  
 Homogeneous Material: Miscellaneous: Sink Undercoating - Grey and Black Colored Sample ID Number Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Physical Description	Recommended Response Action(s)	Date Action Completed
Throughout building - office near OT/PT, kindergarten rooms 1, 2, and 3, classrooms 1-22, teacher's room, and main office storage room	NF	400 SF	5	Intact non-friable miscellaneous material with a potential for contact damage	Operations & Maintenance	Continue

Were additional samples of this ACBM collected? No

Date of Management Planner review: 4/16/08

Inspector's name: Kevin McCarthy  
 Inspector signature:   
 Accreditation #/State: 000586/CT  
 Expiration date: 5/31/2009

Management Planner name: Matthew Myers  
 Management Planner signature:   
 Accreditation #/State: 000041/CT  
 Expiration date: 4/30/09

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

Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008  
 Homogeneous Material: Miscellaneous - Glue Daubs Associated with Blackboards/Tackboards Sample ID Number: Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Throughout building - corridors, classrooms, offices, library, main office, principal's office, teacher's room, storage rooms, and cafeteria	NF	5,500 SF	5	Operations & Maintenance Material is assumed to be located behind blackboards and tackboards	Continue
Were additional samples of this ACBM collected? <u>No</u>					
Inspector's name: <u>Kevin McCarthy</u>					
Inspector signature: <u>[Signature]</u>					
Accreditation #/State: <u>000586/CT</u>					
Expiration date: <u>5/31/2009</u>					
Date of Management Planner review: <u>4/16/08</u>					
Management Planner name: <u>Matthew Myers</u>					
Management Planner signature: <u>[Signature]</u>					
Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>4/30/09</u>					
I, the LEA's Designated Person, have read and understood the recommendations made above: Date: _____					



Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008

Homogeneous Material: Miscellaneous - Sheetrock™ and Associated Joint/Taping Compound Sample ID Number Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS		
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Physical Description	Recommended Response Action(s)	Date Action Completed
Throughout building - corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	F	25,000 SF	5	Intact friable miscellaneous material with a potential for contact and water damage	Operations & Maintenance	Continue

Were additional samples of this ACBM collected? No

Date of Management Planner review: 4/16/08

Inspector's name: Kevin McCarthy  
 Inspector signature: [Signature]  
 Accreditation # / State: 000586/CT  
 Expiration date: 5/31/2009



Management Planner name: Matthew Myers  
 Management Planner signature: [Signature]  
 Accreditation # / State: 000041/CT  
 Expiration date: 4/30/09

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

Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

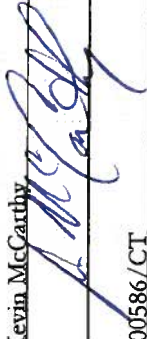

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008

Homogeneous Material: Miscellaneous - Ductwork Joint Sealant and/or Paper Sample ID Number Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Throughout building - corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	NF	1,000 LF	5	Operations & Maintenance Material is located above drop ceiling	Continue
Were additional samples of this ACBM collected? <u>No</u>					
Date of Management Planner review: <u>4/16/08</u>					
Inspector's name: <u>Kevin McCarthy</u>					
Inspector signature: 					
Management Planner name: <u>Matthew Myers</u>					
Management Planner signature: 					
Accreditation #/State: <u>000586/CT</u>					
Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>5/31/2009</u>					
Expiration date: <u>4/30/09</u>					
I, the LEA's Designated Person, have read and understood the recommendations made above: Date: _____					

Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008  
 Homogeneous Material: Miscellaneous - Black Window Sills Sample ID Number Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Throughout building - classrooms, offices, storage rooms, toilet rooms, library, principal's office, teacher's room, kitchen, and cafeteria	NF	1,200 LF	5	Operations & Maintenance	Continue
Were additional samples of this ACBM collected? No					
Inspector's name: <u>Kevin McCarthy</u>					
Inspector signature: 					
Accreditation #/State: <u>000586/CT</u>					
Expiration date: <u>5/31/2009</u>					
Date of Management Planner review: <u>4/16/08</u>					
Management Planner name: <u>Matthew Myers</u>					
Management Planner signature: 					
Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>4/30/09</u>					
I, the LEA's Designated Person, have read and understood the recommendations made above: Date: _____					



Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008

Homogeneous Material: Miscellaneous - Cove Base and/or Associated Adhesives Sample ID Number Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Throughout building - corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	NF	7,000 SF	5	Operations & Maintenance	Continue

Were additional samples of this ACBM collected? No

Date of Management Planner review: 4/16/08

Inspector's name: Kevin McCarthy  
 Inspector signature: *[Signature]*  
 Accreditation #/State: 000586/CT  
 Expiration date: 5/31/2009

Management Planner name: Matthew Myers  
 Management Planner signature: *[Signature]*  
 Accreditation #/State: 000041/CT  
 Expiration date: 4/30/09

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

Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008  
 Homogeneous Material: Miscellaneous - Transite™ Paneling Sample ID Number: Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Exterior overhangs - classrooms 21-26, classrooms 16-20, teacher's room - 10, classrooms 9-10, kindergarten 1 - kindergarten 3, classrooms 4- custodian room	NF	3,000 SF	5	Operations & Maintenance	Continue
Were additional samples of this ACBM collected? <u>No</u>					
Inspector's name: <u>Kevin McCarthy</u>					
Inspector signature: <u>[Signature]</u>					
Accreditation #/State: <u>000586/CT</u>					
Expiration date: <u>5/31/2009</u>					
Date of Management Planner review: <u>4/16/08</u>					
Management Planner name: <u>Matthew Myers</u>					
Management Planner signature: <u>[Signature]</u>					
Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>4/30/09</u>					
I, the LEA's Designated Person, have read and understood the recommendations made above: Date: _____					



Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations

School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008  
 Homogeneous Material: Miscellaneous - 12" x 12" Floor Tile and/or Associated Mastic Sample ID Number Assumed

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Throughout building - with the exception of classrooms 23 and 24	NF	35,000 SF	5	Operations & Maintenance  Material in room 23 and 24 determined to be none detected for asbestos in 1993 - more extensive sampling throughout building should be performed to determine asbestos content and materials removed from management plan if applicable	Continue
Were additional samples of this ACBM collected? <u>No</u>					
Inspector's name: <u>Kevin McCarthy</u>					
Inspector signature: <u>[Signature]</u>					
Accreditation #/State: <u>000586/CT</u>					
Expiration date: <u>5/31/2009</u>					
Date of Management Planner review: <u>4/16/08</u>					
Management Planner name: <u>Matthew Myers</u>					
Management Planner signature: <u>[Signature]</u>					
Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>4/30/09</u>					
I, the LEA's Designated Person, have read and understood the recommendations made above: Date: _____					


Re-inspection Form 2. Re-inspection of ACBM: Findings and Management Planner Recommendations


School: Hill and Plain Elementary School Date(s) of Re-Inspection: March 31, 2008  
 Homogeneous Material: Miscellaneous - 9" x 9" Floor Tile and/or Associated Mastic Sample ID Number 614BM16

RE-INSPECTION FINDINGS FOR ACBM				MANAGEMENT PLANNER RECOMMENDATIONS	
Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Recommended Response Action(s)	Date Action Completed
Throughout building - closets in kindergarten 1, 2, 3, classrooms 4, 5, (under 12x12 floor tile) 6, 7, 8, electrical closet near classroom 7, main office storage, main office (under carpet), assistant principal's office (under carpet), principal's office (under carpet), guidance room (under carpet), paraprofessional office (under carpet), psychology office (under carpet), storage room near (under carpet), storage room near paraprofessional office (under carpet) classrooms 15, 16, 17, 18, 19, storage room near classroom 19, classroom 21	NF	18,000 SF	5	Operations & Maintenance  Material is located under carpet and/or 12x12 newer floor tile in some locations	Continue

Were additional samples of this ACBM collected? No

Date of Management Planner review: 4/16/08

Inspector's name: Kevin McCarthy  
 Inspector signature:   
 Accreditation #/State: 000586/CT  
 Expiration date: 5/31/2009

Management Planner name: Matthew Myers  
 Management Planner signature:   
 Accreditation #/State: 000041/CT  
 Expiration date: 4/30/09

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



**APPENDIX E**

**BULK SAMPLE RESULTS**



EMSL Analytical, Inc.

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: westmontaslab@EMSL.com

Attn: Kevin McCarthy
Fuss & O' Neill EnviroScience, LLC
795 North Mountain Road
Newington, CT 06111

Fax: (413) 647-0018 Phone: (860) 953-2700
Project: 20071230.A1E NEW MILFORD HILL AND PLAIN
ELEMENTARY SCHOOL BOILER ROOM

Customer ID: ENVI54
Customer PO:
Received: 04/15/08 9:40 AM
EMSL Order: 040808863
EMSL Proj:
Analysis Date: 4/18/2008
Report Date: 4/18/2008

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Table with 7 columns: Sample, Location, Appearance, % Fibrous, % Non-Fibrous, Asbestos % Type. Contains 3 rows of data for samples 331KM01A, 331KM01B, and 331KM01C.

LAYERS WERE COMBINED PRIOR TO ANALYSIS AT CLIENT'S REQUEST

Analyst(s)

Alexis Turner (3)

Handwritten signature of Stephen Siegel

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872



**SAMPLE LOG FOR ASBESTOS BULKS**

Sheet 1 of 1

Project Name: New Milford – Hill and Plain Elementary School Project No. 20071230.A1E

Building: Boiler Room Project Manager: Matt Myers

Sample ID	Sample Location	Material	Result (%)
331KM01A	Left Side Boiler	Boiler Breaching	
331KM01B	Left Side Boiler	Boiler Breaching	
3331KM0C	Right Side Boiler	Boiler Breaching	

RECEIVED  
 EMSL  
 WESTMOUNT, NJ  
 APR 15 AM 10:19  
 FOR ANALYSIS BY  
 EMSL ANALYTICAL INC.  
 SAMPLES ACCEPTED

Analysis Method:  PLM  Other Turnaround Time 72 Hours

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: 4/18/08. Please call the EnviroScience Laboratory if analyses will be late at (860) 953-2700.

Fax Results to the EnviroScience Laboratory at: 413-647-0018.

Special Instruction: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 point count all samples of asbestos content <4%, positive stop on all point counts.

Samples collected by: Kevin McCarthy Date: 3/31/08 Time: PM

Samples [Rec'd] [Sent by] [Same] [Same] Date: [Same] [04/14/08] Time: PM

Samples Received by: OM-FX-940A Date: \_\_\_\_\_ Time: \_\_\_\_\_

Shipped To:  EMSL State NJ  Other \_\_\_\_\_

Method of Shipment:  Fed Ex  UPS Overnight  UPS Ground  Other

# EnviroScience Consultants inc

Environmental Engineering • Industrial Hygiene • Laboratory Service

**SAMPLE LOG  
ASBESTOS BULKS**

Rm

pg 1 of 2

PROJECT NAME: Hill + Plain School - New Milford AHERA PROJECT # 90-2340

SAMPLE ID#	BUILDING & LOCATION	MATERIAL TYPE	RESULT (%)
6-14-BM-10	Rm 24	12x12 Tile (brown)	None
11	↓	mastic	N.S.
12		12x12 Tile (gray)	None
13	↓	mastic	N.S.
14	Rm 23	12x12 Tile (brown)	None
15	↓	mastic	N.S.
16	Storage Rm	9x9 VAT (gray)	2% Chrysotile
17	↓	mastic	N.S.
18		9x9 VAT	N.A.
19	↓	mastic	N.S.

TEST METHOD: PLM TURNAROUND TIME: Routine

Based on turnaround time indicated above, it is ESC's belief that results are due on or before this date: 7-19. Please call if sample results are going to be late.

FAX RESULTS TO: Marsha Monroe

SPECIAL INSTRUCTIONS: Stop on first positive in each set of three samples (10, 12, 14) (16, 18, 20) do not analyze sample no. (11, 13, 15) (17, 19, 21).

SAMPLES COLLECTED BY: Bob Mezier DATE: 6-14-93 TIME: PM

SAMPLES SENT BY: [Signature] DATE: 7-7-93 TIME: \_\_\_\_\_

SAMPLES RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

SHIPPED TO: \_\_\_\_\_ ENSL (State \_\_\_\_\_) \_\_\_\_\_ ENSL A \_\_\_\_\_ OTHER: Hygen

SHOULD ESC'S CLIENT BE CALLED WITH VERDICTS? \_\_\_\_\_ Yes \_\_\_\_\_ No

METHOD OF SHIPMENT:  UPS - Reg. \_\_\_\_\_ UPS Overnite \_\_\_\_\_ Fed Ex \_\_\_\_\_ Other: \_\_\_\_\_

SMPLOG: PC6

# EnviroScience Consultants inc

Environmental Engineering • Industrial Hygiene • Laboratory Service

RZM

## SAMPLE LOG ASBESTOS BULKS

PROJECT NAME: New Milford - Hill & Main Elementary PROJECT # 90-02340

SAMPLE ID#	BUILDING & LOCATION	MATERIAL TYPE	RESULT ( % )
6-14-BM-20	Rm 20	9x9 VAT	N.A.
-21	Rm 20	assoc. mastic	N.S.
-22	Hall above drop ceiling	TSI (filling material)	None
-23	Pipe tunnels	TSI (Gibby Cement)	3% Chrysotile
-24	↓	↓	N.A.
-25	↓	↓	N.A.

TEST METHOD: PLM TURNAROUND TIME: Routine

Based on turnaround time indicated above, it is ESC's belief that results are due on or before this date:                     . Please call if sample results are going to be late.

FAX RESULTS TO: Marsha Monroe

SPECIAL INSTRUCTIONS: Stop on first positive in each set of three (23, 24, 25)

SAMPLES COLLECTED BY: Bob Mercer DATE: 6-14-93 TIME: pm

SAMPLES SENT BY:                      DATE:                      TIME:                     

SAMPLES RECEIVED BY:                      DATE:                      TIME:                     

SHIPPED TO: EMSL (State           ) EMSL A OTHER:                     

SHOULD ESC'S CLIENT BE CALLED WITH VERBALS? Yes No

METHOD OF SHIPMENT: UPS - Reg. UPS Overnite Fed Ex Other:                     

SMPLOG:PC6

HYGEIA PROSCIENCE SUMMARY SHEET  
Hygeia ProScience Client No. 80096.001  
EnviroScience Consultants, Inc.

July 28, 1993

Client Reference: Project No. 90-0234D, New Milford AHERA  
Hill & Plain School

06-14-BM-10, Room 24, Floor Tile

No Asbestos Detected, Non-Fibrous Material 100%; (Brown)  
Date of Collection: 6/14/93  
Analysis Date: 7/14/93 Analyst: M. Manning

06-14-BM-11, Room 24, Mastic

No Asbestos Detected, Cellulose Fiber 20%; Non-Fibrous Material  
80%; (Black)  
Date of Collection: 6/14/93  
Analysis Date: 7/27/93 Analyst: M. Manning

06-14-BM-12, Room 24, Floor Tile

No Asbestos Detected, Non-Fibrous Material 100%; (Brown)  
Date of Collection: 6/14/93  
Analysis Date: 7/14/93 Analyst: M. Manning

06-14-BM-13, Room 24, Mastic

No Asbestos Detected, Cellulose Fiber 20%; Non-Fibrous Material  
80%; (Black)  
Date of Collection: 6/14/93  
Analysis Date: 7/27/93 Analyst: M. Manning

06-14-BM-14, Room 23, Mastic

No Asbestos Detected, Cellulose Fiber 20%; Non-Fibrous Material  
80%; (Black)  
Date of Collection: 6/14/93  
Analysis Date: 7/27/93 Analyst: M. Manning

06-14-BM-15, Room 23, Floor Tile

No Asbestos Detected, Non-Fibrous Material 100%; (Brown)  
Date of Collection: 6/14/93  
Analysis Date: 7/14/93 Analyst: M. Manning

06-14-BM-16, Storage Room, Floor Tile

Asbestos 2% (Chrysotile); Non-Fibrous Material 98%; (Gray)  
Date of Collection: 6/14/93  
Analysis Date: 7/14/93 Analyst: M. Manning

06-14-BM-17

Did not analyze

06-14-BM-18

Did not analyze



HYGEIA PROSCIENCE SUMMARY SHEET  
Hygeia ProScience Client No. 80096.001  
EnviroScience Consultants, Inc.  
Page 2.

Client Reference: Project No. 90-0234D, New Milford AHERA  
Hill & Plain School

06-14-BM-19  
Did not analyze

06-14-BM-20  
Did not analyze

06-14-BM-21  
Did not analyze

06-14-BM-22, Hall Above Drop Ceiling, TSI, Fitting Cement  
No Asbestos Detected, Fibrous Glass 40%; Non-Fibrous Material  
60%; (Gray)  
Date of Collection: 6/14/93  
Analysis Date: 7/14/93 Analyst: M. Manning

06-14-BM-23, Pipe Tunnels, TSI, Fitting Cement  
Asbestos 3% (Chrysotile); Cellulose Fiber 10%; Fibrous Glass 37%;  
Non-Fibrous Material 50%; (Gray)  
Date of Collection: 6/14/93  
Analysis Date: 7/14/93 Analyst: M. Manning

06-14-BM-24  
Did not analyze

06-14-BM-25  
Did not analyze



**APPENDIX F**

**PERIODIC SURVEILLANCE FORM**

**PERIODIC SURVEILLANCE FORM**

Local Education Agency (LEA):

New Milford Public Schools  
Hill and Plain Elementary School  
60 Old Town Road, New Milford, Connecticut

Facility Address:

Date of Surveillance:

**ACBM DAMAGE REPORT**

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Pipe and/or pipe fitting insulation	Kindergarten 1	D				
Pipe and/or pipe fitting insulation	Throughout building – tunnels, above ceilings in corridor, classrooms, cafeteria, storage areas, main office, and within pipe chases	G				
Interior boiler roping, gaskets, firebrick materials, etc.	Boiler room – within boilers one (1) and two (2)	G				
Plaster ceiling	Boiler room	G				
Vibration isolation cloth	Gymnasium (four locations)	G				
Sink undercoating – grey and black colored	Throughout building – office near OT/PT, kindergarten rooms 1, 2, and 3, classrooms 1-22, teacher's room, and main office storage room	G				
Glue daubs associated with blackboards/tackboards	Throughout building – corridors, classrooms, offices, library, main office, principal's office, teacher's room, storage rooms, and cafeteria	G				
Sheetrock™ and associated joint/taping compound	Throughout building – corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	G				

**PERIODIC SURVEILLANCE FORM**

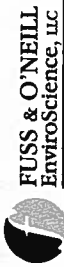
Local Education Agency (LEA):  
Facility Address:

New Milford Public Schools  
Hill and Plain Elementary School  
60 Old Town 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
Ductwork joint sealant and/or paper	Throughout building – corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	G				
Black window sills	Throughout building –classrooms, offices, storage rooms, toilet rooms, library, principal's office, teacher's room, kitchen, and cafeteria	G				
Cove base and/or associated adhesives	Throughout building – corridors, classrooms, offices, storage rooms, toilet rooms, library, main office, principal's office, teacher's room, storage rooms, kitchen, boiler room, and cafeteria	G				
Transite™ paneling	Exterior overhangs – classrooms 21-26, classrooms 16-20, teacher's room – 10, classrooms 9-10, kindergarten 1 – kindergarten 3, classrooms 4 – custodian room	G				



FUSS & O'NEILL  
EnviroScience, LLC

**PERIODIC SURVEILLANCE FORM**

Local Education Agency (LEA):  
Facility Address:

New Milford Public Schools  
Hill and Plain Elementary School  
60 Old Town 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
12"x12" floor tile and/or associated mastic	Throughout building -- with the exception of classrooms 23 and 24	G				
9"x9" floor tile and/or associated mastic	Throughout building - closets in kindergarten 1, 2, 3, classrooms 4, 5, (under 12x12 floor tile) 6, 7, 8, electrical closet near classroom 7, main office storage, main office (under carpet), assistant principal's office (under carpet), principal's office (under carpet), guidance room (under carpet), paraprofessional office (under carpet), psychology office (under carpet), storage room near paraprofessional office (under carpet) classrooms 15, 16, 17, 18, 19, storage room near classroom 19, classroom 21	G				Material is located under carpet and/or newer 12x12 floor tile in some locations

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

Surveillance conducted by:

\_\_\_\_\_  
(signature)

I, the LEA's Designated Person, have read and understood the findings noted above:  
Date: \_\_\_\_\_



**APPENDIX G**

**PREVENTIVE MEASURES**

## OPERATIONS AND MAINTENANCE PROCEDURES 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, breeching, 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 ACM. 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 ACM in a school building that does 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 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 table tops and window caulking and glazing compounds in undamaged condition.
5. Carpet Glue, 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.

There are general work practices that apply to all schools in the school system.

1. Vinyl Asbestos Floor Tile (VAT). In many cases, the surface of the tile may appear abraded. Often, custodial employees will use abrasives to clean floor surfaces prior to the application of floor wax. This practice should be strongly discouraged, as it wears away the top surface, exposing the underlying matrix that may contain asbestos. Where a dull white finish is observed through the top surface of the tile, it indicates that damage to the tile has occurred.
2. Hammering or drilling through floor tile to fasten carpeting or other materials should be prohibited.
3. Chairs and desks should be equipped with rubber feet or gliders to reduce damage to the floor tile surfaces.
4. Efforts should be made to minimize storage of maintenance supplies in the portions of the boiler rooms nearby boilers, breeching, headers, or other areas that might be damaged. This applies specifically to items such as ladders, chairs, desks, and other large items that might damage the surface.
5. The storage of desks, chairs, and other school supplies in pipe tunnels or chases where there is ACM should be discouraged. In addition to limiting access, movement of these items may cause damage to the surface.
6. Where ladders are required in areas where thermal system ACBM has been documented, hinge-type ladders should be used if possible. Custodial employees are discouraged from leaning extension ladders against boilers, breeching, or headers.



**Boiler Rooms** often have asbestos containing materials such as pipe insulation, pipe fitting insulation, tank insulation, boiler insulation, firebrick, gaskets, spray applied fireproofing and wall and ceiling plaster. Damage to these materials can be caused by contact forces (ladders and equipment hitting the materials), water (leaks in boilers, pipes and tanks) and vibration forces. All personnel (custodians, maintenance, and outside contractors) entering boiler rooms must be made aware of the asbestos containing materials and exercise caution as to not damage or disturb these materials. The boilers are typically serviced by an outside boiler contractor. The routine maintenance activities must not disturb the asbestos containing materials. The designated person should be notified if planned work or routine maintenance may disturb the asbestos containing materials. The appropriate response action (removal, etc.) will be selected by a licensed management planner and project designer and performed by properly trained personnel prior to routine non-asbestos maintenance work beginning.

**Tunnels and crawl spaces** often have asbestos containing pipe and/or pipe fitting insulation throughout. Sometimes asbestos containing tank insulation, duct insulation and transite are also found in these areas. The area should be restricted to persons with sixteen-hour training and respiratory protection at a minimum if the insulation is in damaged condition. All damaged areas should be repaired and a clearance air test passed prior to occupancy by custodial staff or outside Contractors. Persons entering a tunnel and/or crawl space must be made aware of the types of asbestos containing materials in these areas and exercise extreme caution as to not damage these materials.

**Asbestos containing spray applied fireproofing** can often be found on metal I-beams above ceilings and behind walls in many schools. This material is a very friable and usually is also found on adjacent ceiling decks, piping and mechanical systems, etc. (over-spray) because of the method of original installation. The fireproofing is often not hidden behind walls or ceilings in mechanical and boiler rooms. Sometimes this material becomes dislodged (age, delamination, air plenum wind forces and gravity) and lands on drop, sheetrock or plaster ceilings. Caution should be exercised if someone has to do work above the ceilings or when replacing a specific section of a ceiling. Schools with common return air plenums have additional concerns of delaminating fireproofing and subsequent asbestos fiber release into the return air. The designated person and a licensed asbestos management planner and project designer should be notified if work involves disturbance of the ceiling or areas above the ceiling. The project designer should develop standard operating procedures and a project design is its found that exposure is possible through activities such as popping ceiling tiles, routine repair or maintenance activities above the lower ceilings or work involving the disturbance of the material directly (example – installing ducts, pipes, ceilings, computer lines, etc – scraping areas to hang product).

**Asbestos containing ceiling tiles** can be found in school buildings. These tiles are often covering older ceiling materials such as plaster or sheetrock and are typically 2x4', 2x2' and 1x1' in size. They are either supported by a metal grid system (drop ceiling), concealed spline, or glued in place. Special considerations must be given for glue adhered ceilings. The ceiling tile, glue daub and ceiling above (plaster, etc.) must all be considered as asbestos containing even if one is found not to contain asbestos. The ceiling tile is adhered to the glue daub that is adhered to the ceiling above and they usually can not be separated. A licensed asbestos abatement contractor should remove ceiling tiles that are within reach of building occupants



and have a history of damage. Ceiling tiles that are “popped” on occasion to access areas above (for routine maintenance activities and due to small amounts of water damage) should be replaced with non-asbestos tiles or the potential for exposure should be examined through air testing in conjunction with a test containment. A licensed project designer should design a method for routine activities (portable pop-up containment, water, hepa-vac, respiratory protection, sixteen-hour training, etc.). Asbestos containing ceiling tiles should be removed if work activity involves “popping” more than a few tiles. Running new computer lines, telecommunication systems, security systems, piping for sprinklers, large roof leaks, etc. all typically required moving many ceiling tiles throughout the school, therefore a licensed abatement contractor should remove the tiles prior to work by other contractors. Custodians, maintenance staff and outside contractors should be made aware of the locations of the asbestos containing ceiling tiles and in house work practices pertaining to them.

**Asbestos containing pipe and/or pipe fitting insulation, duct insulation** (commonly within reach in incinerator rooms, mechanical and air handling rooms and above ceilings in kitchens) **roof drain insulation and vibration isolation cloth** (on sections of metal ducts) are often located in chases, behind walls and above ceilings. Sometimes these materials are within reach of all building occupants (located below the ceilings in classrooms, corridors, stages, stairwells, etc.). Custodians, maintenance staff and contractors should be made aware of the presence of these materials. Persons working in these areas must exercise caution and not damage these materials. These asbestos containing materials should be removed or enclosed if they are within reach of most building occupants and damage has occurred in the past.

**Asbestos containing hard and soft acoustical wall and ceiling plaster** can exist throughout a building (corridors, classrooms, etc.) or only in limited areas such as a boiler room, auditorium, pool, etc. Asbestos containing hard plaster typically does not pose a threat to human health and safety unless deliberately disturbed. Activities such as drilling holes to run or hang wires and pipes, demolition of interior walls during renovation, removing glue daubs from plaster and water leaks can damage the material and result in a release of airborne asbestos fibers. Asbestos containing soft plaster can be damaged from the activities described above as well as contact damage from simply toughing the material. Asbestos containing fibers from soft plaster are dislodged from the light contact forces such as poking the materials with ones hand, pencils, pens, etc. Soft plaster should be removed immediately if it's located within reach of students (low ceiling in an auditorium, etc.). Outside contractors, custodial and maintenance staff must be made aware of the location of asbestos containing plaster and informed to avoid work practices that may disturb this material. The designed person and a licensed management planner and project designer should select the response action required if planner work activities anticipate disturbance of the asbestos containing plaster.

**Asbestos containing 9x9” and 12x12” floor tiles and underlying mastic** are common throughout school buildings. It shall be assumed that all areas with carpeting have floor tile and mastic located below carpet unless the floor tiles and mastic were abated prior to the installation of the carpet. Custodians, maintenance staff and contractors other than licensed asbestos abatement contractors shall not be permitted to remove carpeting unless the floor tiles are not disturbed in the process (stay intact adhered to the sub-flooring). Areas with “newer” non-asbestos containing floor tiles shall be assumed to have a lower layer of asbestos containing floor tile and/or flooring mastic adhered to the underneath unless both the older tile and



underlying mastic were abated prior to the installation of the newer tile and mastic. The “newer” tile must be considered an asbestos containing material if asbestos containing floor tile and/or mastic is adhered to the bottom of it. Floor tiles are typically not damaged unless they are losing adhesion to the substrate due to adhesion failure, age and water damage or through improper maintenance or work activities. The designated person shall be contacted if adhesion failure, are and/or water damage has occurred or if renovation work will disturb the material (drilling for pipe insulation, etc.). A licensed management planner will select the proper response action and a project designer will create a design if abatement is required. Maintenance activities should be standardized and training required in order to minimize possible fiber release during routine floor maintenance. OSHA requires the following:

- i) Sanding of floors is prohibited
- ii) Stripping of finishes shall be conducted using low abrasion pads at speed lower than 300 rpm and wet methods.
- iii) Burnishing or dry buffing may be performed only on flooring which had sufficient finish so that the pad cannot contact the flooring material.

Some additional work practices are listed below:

- i) Stripping of floor coverings should be done as infrequently as possible (ex-annually)
- ii) Follow manufactures instructions and never perform dry stripping. Always use the least abrasive pad when stripping.
- iii) Sealing floors should be done through applying sever thin coats of high percentage solids finish.
- iv) Use the lowest rates of speed and least abrasive pads when spray-buffing or dry-burnishing floors
- v) Install floor matting at entrances (16-24 feet).

**Asbestos containing materials in fire doors** is typically inaccessible. These materials are often found in boiler and mechanical room doors as well as auditorium, library, café, kitchen and exterior doors. Sometimes these materials are also located in common doors used for classrooms, corridors, etc. Samples taken from any one door may not be representative of other doors in the facility. Prior to performing any maintenance or replacement of any door (lock changes, planing, sanding, drilling, removal, etc.) the designated person should be notified and the specific door should be sampled by a licensed asbestos inspector. A licensed project designer will design the work procedures to be used for a specific work activity if the door materials are found to contain asbestos.



**Asbestos containing electrical insulation** is common in auditorium/stage light trays and as “pigtailed” on spotlights. This material is often white and contains a high percentage of asbestos. Many schools also have these light trays and pigtailed in storage or lying around the stage area. This material should be removed if no longer in use. The lighting insulation still in use should be removed and replaced if contact damage is likely. Black insulated wire and gray or black electrical box lining (paper like) sometimes contain asbestos. Custodians, maintenance staff, outside contractors, and parties (students, etc.) responsible for operating lighting with this insulation should be made aware of this material and practice work procedures that will not disturb it.

**Many different mastics, glues and adhesives** can contain asbestos. Common forms of these materials are carpet glue, flooring mastics (under tile, sheet flooring, linoleum and wood floors (gym)), ceramic tile adhesive, baseboard adhesive, ceiling and wall tile glue, daubs, chalkboard and bulletin board adhesives, etc. These materials are sometimes adhered to non-asbestos containing materials. These non-asbestos containing materials must be considered as asbestos containing because the mastic, glue or adhesive usually can not be separated from them. The custodians, maintenance staff and outside contractors must be made aware of any asbestos containing mastics, glues and adhesives prior to conducting activities that may disturb them. A licensed asbestos inspector must sample materials previously not analyzed for asbestos content prior to work activities that will disturb them. Only a licensed asbestos abatement contractor can remove asbestos containing materials (greater than 3 feet) and asbestos or non-asbestos containing materials bonded to them.

**Sheetrock, taping/joint compound, wallboard, vinyl or sheet flooring and countertops, laboratory countertops and laboratory hoods** can contain asbestos. **Transite board** is another common building product that contains asbestos. This material is typically found behind radiators, on exterior soffits, in laboratory products (tables, piping, hoods and exhaust ductwork) and on walls or ceilings. These materials are typically not a threat to human health and safety unless deliberately disturbed. Puncturing walls and ceilings, sawing countertops and laboratory hoods, etc. can release asbestos fibers into the air. Custodians, maintenance staff, and outside contractors must be made aware of these possible asbestos containing products and avoid work that will disturb them.

**Exterior materials** may also contain asbestos. **Roofing and flashing materials, door and window caulking and glazing, soffits, entrance eaves and overhangs, covered walkways, etc.** may have asbestos containing materials. These materials must be sampled prior to their disturbance in order to determine the appropriate removal techniques and disposal requirements. Covered walkways and overhangs must be assumed to contain asbestos unless bulk sample results prove otherwise.

Some building materials may be found to contain less than one percent asbestos and therefore are not regulated by the federal or state asbestos regulations. However, demolition or renovation activities that disturb these materials can create possible OSHA violations if the PEL (permissible exposure limit) or (exposure limit) is exceeded. Plaster and ceiling tiles (containing less than one percent asbestos) undergoing demolition can exceed OSHA's standards as well as the State of Connecticut Re-occupancy Criteria. These building materials should be removed either as an asbestos containing material or under a semi-controlled

environment (ex. – use a significant amount of water during demolition of the ceiling or wall in conjunction with air testing) to control possible airborne exposures to asbestos.

Newer building materials may also contain greater than one percent asbestos. Building additions, portable classrooms and building products installed during renovations after 1980 have occasionally been found to contain asbestos. Floor tiles and mastics, adhesives and glues, wall and ceiling materials, roofing materials, etc. should be sampled prior to performing activities that will disturb them. Sampling can be avoided if the building architect signs a statement that the building materials do not contain asbestos or MSD sheets prove the corresponding materials are not asbestos containing.



## **APPENDIX H**

# **FUSS & O'NEILL ENVIROSCIENCE AHERA ACCREDITATIONS**



*State of Connecticut*  
*Board of Trustees, Community-Technical Colleges*  
**Capital Community College**  
950 Main Street, Hartford, CT 06103 – (860) 906-5131

This is to certify that

**Kevin McCarthy**  
93 Morning Mist Road, Milford, CT 06460  
SS# [REDACTED]

has successfully completed the  
**24 Hr. Asbestos Inspector Initial Course**  
Asbestos Accreditation under TSCA Title II  
40 CFR Part 763

Franklin Mills  
*Principal Instructor*  
Jan. 12-14, 2004  
*Date of Course*  
January 14, 2004: A  
*Examination Date & Grade*

*Patricia Dwyer*  
*Training Manager*  
AI-I-01/14-1  
*Certificate Number*  
January 14, 2005  
*Expiration Date*

# CERTIFICATE OF ACHIEVEMENT

This certifies that

**Kevin McCarthy**

*has successfully completed the*  
**Asbestos Site Inspector Refresher Training**  
**Asbestos Accreditation Under TSCA Title II**  
**40 CFR Part 763**

conducted by

**ATC Associates Inc.**  
**73 William Franks Drive**  
**West Springfield, MA 01089**  
**(413) 781-0070**

Official record of successful  
completion of this Course is the  
DOH2832 Certificate issued on  
November 28, 2007.

*Gregory J. Morach*  
Principal Instructor

November 28, 2007

Date of Course

November 28, 2008

Expiration Date

*Gregory J. Morach*  
Regional Manager

SIAR-2622

Certificate Number

November 28, 2007

Examination Date

0003598 FP \*\*PRSR T1 0 0864 06111

KEVIN MC CARTHY  
FUSS & O' NEILL ENVIROSCIENCE LLC  
795 NORTH MOUNTAIN ROAD  
NEWINGTON CT 06111

Dear Licensed/Certified Professional,  
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603  
P.O. Box 340308  
M.S.#12MQA http://www.dph.state.ct.us  
Hartford, CT 06134-0308

Sincerely,

*J Robert Galvin, MD, MPH, MBA*

J. ROBERT GALVIN, MD, MPH, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

- 1. Detach and sign each of the cards on this form.
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- 3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

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

KEVIN MC CARTHY

LICENSE NO.  
000586  
CURRENT THROUGH  
05/31/09  
VALIDATION NO.  
03-639348

*Kevin Mc Carthy*  
SIGNATURE

*J Robert Galvin, MD, MPH, MBA*  
COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH  
NAME  
KEVIN MC CARTHY  
VALIDATION NO. 03-639348  
LICENSE NO. 000586  
CURRENT THROUGH 05/31/09  
PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

*Kevin Mc Carthy*  
SIGNATURE

*J Robert Galvin, MD, MPH, MBA*  
COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT  
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NAME  
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*Kevin Mc Carthy*  
SIGNATURE

*J Robert Galvin, MD, MPH, MBA*  
COMMISSIONER



**CON-test**

WATER AND AIR ENGINEERING

39 Spruce Street  
East Longmeadow, MA

No. MP-0376

MATTHEW MYERS

Has attended an 16 hour Asbestos Training Course for Asbestos Management Plan Preparers on March 14-15, 1991 and has passed a written examination.

Course topics covered include asbestos health hazards, respirators, government regulations, worker protection, Evaluation of the Site Survey and Hazard Assessment, Control Methods, the Management Plan.

COURSE INSTRUCTORS

*Thomas E. Veratti*

Thomas E. Veratti, Vice President  
Certified Chemical Engineer  
Industrial Hygienist

*Brenda Bolduc*

Brenda Bolduc  
Training Dept. Manager

Expires March 15, 1992

# Fuss & O'Neill EnviroScience, LLC

795 North Mountain Road, Newington, CT 06111 – (860) 953-2700

This is to certify that

**Matthew Myers**

SS#: xxx-xx-3305

has successfully completed the

**4 Hr. Asbestos Management Planner Refresher**

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

*James Scott*  
James Scott, Principal Instructor

September 10, 2008

Date of Course

September 10, 2008: A

Examination Date & Grade

Neal Freuden, Training Manager

AMP-R-09/08-05

Certificate Number

September 10, 2009

Expiration Date

0003604 FP \*\*PRSR T1 0 0864 06111

**MATTHEW A. MYERS**  
FUSS & O'NEILL ENVIROSCIENCE LLC  
795 NORTH MOUNTAIN RD  
NEWINGTON CT 06111

Dear Licensed/Certified Professional,  
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

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**P.O. Box 340308**  
**M.S.#12MQA http://www.dph.state.ct.us**  
**Hartford, CT 06134-0308**

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*J Robert Galvin, MD, MPH, MBA*

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**DEPARTMENT OF PUBLIC HEALTH**

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**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-INSP/MGMT PLANNER**

**MATTHEW A. MYERS**

LICENSE NO. 000041  
CURRENT THROUGH 04/30/09  
VALIDATION NO. 03-639354

*Matthew Myers*  
SIGNATURE

*J Robert Galvin, MD, MPH, MBA*  
COMMISSIONER

EMPLOYER'S COPY

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH  
NAME  
**MATTHEW A. MYERS**

VALIDATION NO. 03-639354  
LICENSE NO. 000041  
CURRENT THROUGH 04/30/09  
PROFESSION  
**ASBESTOS CONSULTANT-INSP/MGMT PLANNER**

*Matthew Myers*  
SIGNATURE

*J Robert Galvin, MD, MPH, MBA*  
COMMISSIONER

WALLET CARD

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH  
NAME  
**MATTHEW A. MYERS**

VALIDATION NO. 03-639354  
LICENSE NO. 000041  
CURRENT THROUGH 04/30/09  
PROFESSION  
**ASBESTOS CONSULTANT-INSP/MGMT PLANNER**

*Matthew Myers*  
SIGNATURE

*J Robert Galvin, MD, MPH, MBA*  
COMMISSIONER



**APPENDIX I**

**CONTRACTOR ACKNOWLEDGEMENT/SIGN IN**



**HILL AND PLAIN ELEMENTARY SCHOOL**  
**CONTRACTOR SIGN IN LOG**  
**ASBESTOS CONTAINING MATERIALS**

The Asbestos Management Plan is available for your review to determine the location of asbestos-containing materials in Hill and Plain Elementary School. By signing below you acknowledge that the Asbestos Management plan has been made available for your use. Asbestos-containing materials shall not be disturbed except by a licensed Asbestos Abatement Contractor.

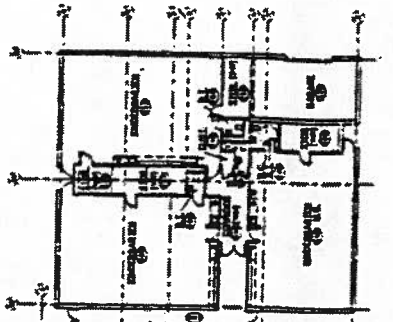
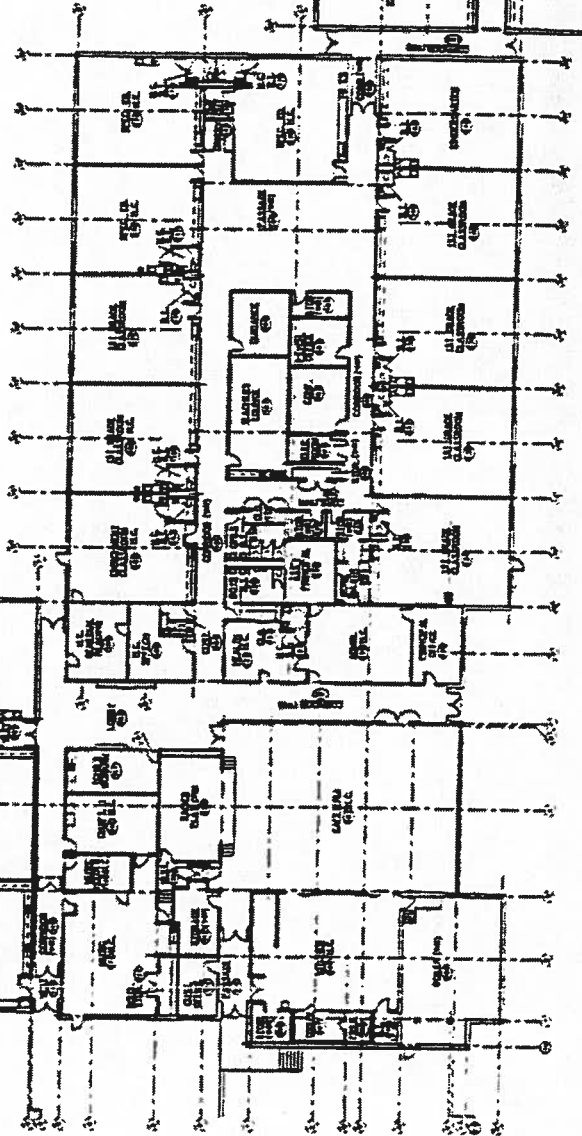
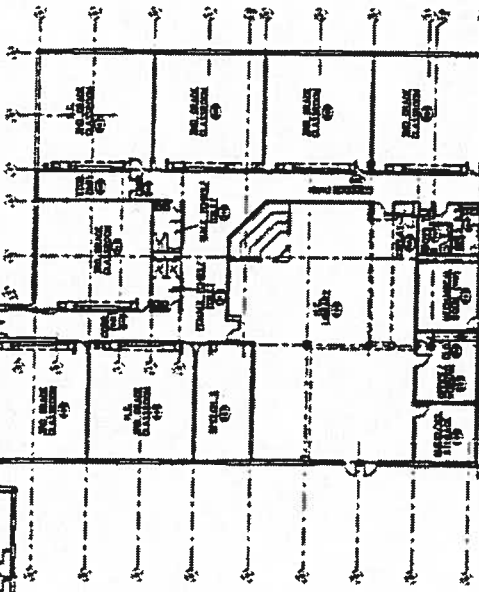
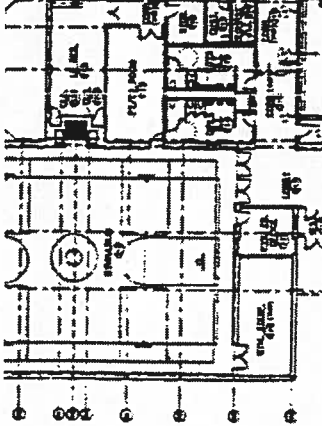
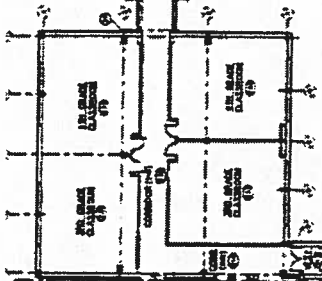
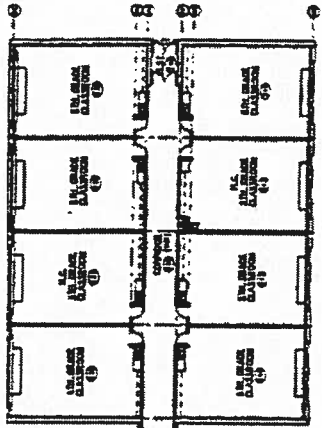
<b><u>Name(Print)</u></b>	<b><u>Company</u></b>	<b><u>Date</u></b>	<b><u>Signature</u></b>





**APPENDIX J**  
**BUILDING DIAGRAMS**

Hand + Plan





## **APPENDIX K**

### **MATERIAL SAFETY DATA SHEETS (MSDS) FOR NEWER BUILDING MATERIALS**