

**Asbestos Hazard Emergency Response Act  
Three-Year Reinspection  
For Schaghticoke Middle 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  
Schaghticoke Middle School  
23 Hipp Road, New Milford, CT  
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 Schaghticoke Middle School located at 23 Hipp 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 C). 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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www.FandO.com

Connecticut  
Massachusetts  
New York  
Rhode Island  
North Carolina  
South Carolina

Sincerely,

**Matthew Myers**  
Senior Project Manager

**Neal B. Freuden**  
President

**KM/ll**  
**Enclosure**



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

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## 1.0 INTRODUCTION

This three-year re-inspection of Schaghticoke Middle 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 April 7, 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

Schaghticoke Middle School was built in 1972 with an addition built in the early 1990's. The building is constructed on a slab foundation with brick outer walls and a corrugated steel frame. The inner walls are constructed of cinder block.

A suspended ceiling exists in most of the building, resulting in a ceiling plenum, within which water pipes and air ducts are located near the true ceiling. Ventilation is provided by an air handling system which draws air into return ducts and supplies air by means of air handling units located on 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 (2) oil burning boilers which convey heat through hot water pipes that traverse the building through the ceiling plenum to radiators in 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 by 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. No new ACM was identified during this three year re-inspection, thus this form is not included in this report.

The third EPA form, **Re-inspection Form 2**, was used to provide information and justification regarding reassessment of the ACM (see Appendix C). 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 ACM and/or are assumed to be ACM** and were present in Schaghticoke Middle 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 fitting insulation*	Air handler rooms 11 & 12 (across from room 207), 13 & 14 (behind room 201), 15 & 16/chiller pump room (near room 222), and corridor by media center	Mystic air '97, 6-15-BM-22,24	Unknown amount of asbestos content
Pump insulation	Air handler room 15 & 16 (behind room 201)	EnviroScience Re-inspection 1999	Assumed
Black window sills	Throughout building	EnviroScience Re-inspection 1999	Assumed
Tackboard and blackboard adhesives	Throughout building	EnviroScience Re-inspection 1999	Assumed
Vapor barriers/tar paper located below wood flooring	Gymnasium and multi-purpose room	EnviroScience Re-inspection 1999	Assumed
Sheetrock and associated joint/taping compound	Throughout building	EnviroScience Re-inspection 1999	Assumed
Cove base – various colors and associated adhesives – various colors	Throughout building	EnviroScience Re-inspection 1999	Assumed



MATERIAL	LOCATION	REFERENCE	ASBESTOS CONTENT
12"x12" older tan floor tile and associated mastic**	Exercise room, two (2) gymnasium storage rooms, cafeteria storage room, custodial room, library (under carpet), classroom 90, 92, 95, 107, 109, 112, 114, 123 (former room 121), 125 (former room 121), 188, tutor 1, two (2) entry ways (under carpet), two (2) closets across from classroom 109, bathroom across from 113A, corridor next to classroom 95 and associated four (4) practices rooms (new tile over black mastic in one room), and closets in classroom 108 and 110, and custodian closet across from classroom 224	Mystic air '97, 6-15-BM-16-18	Unknown amount of asbestos content

**NOTE:** \*ACBM Pipe fitting insulation is assumed to exist throughout the school as well as within inaccessible areas (within walls and chases, above fixed ceilings, etc.)  
\*\*The 12"x12" tan floor tile was determined to be none detected for asbestos, however it is considered to be contaminated ACBM.

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

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

**NOTE:** \*Sample results from EnviroMed Services 1996 Inspection should be inputted into Appendix D.

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

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, 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

### **THROUGHOUT 1990 BUILDING:**

Suspect asbestos containing materials were observed during this three year re-inspection in the 1990 building addition of the school. MSD sheets must be obtained and inserted in Appendix J 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 Schaghticoke Middle School:

- 12"x12" floor tile and associated mastic
- Stair treads and associated adhesive
- Cove base and cove base adhesives
- Carpet adhesives
- Window sills
- Sink undercoating
- Science table tops, test tube racks, sinks, and hoods
- Ceiling tiles
- Sheetrock and associated taping compound
- Any additional visible, suspect materials located in the 1990 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

None

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 F 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 G.



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**





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

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

Date(s) of Original Inspection: 1986

School: Schaghticoke Middle School  
Address: 23 Hipp 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					
Mystic air '97, 6-15-BM-22,24	Unknown	Pipe fitting insulation	TSI	F	5	Air handler rooms 11 & 12 (across from room 207), 13 & 14 (behind room 201), 15 & 16/chiller pump room (near room 222), and corridor by media center	Maintained under O & M
Assumed	Assumed	Pump insulation	TSI	F	5	Air handler room 15 & 16 (behind room 201)	Maintained under O & M
Assumed	Assumed	Black window sills	Misc	NF	5	Throughout building	Maintained under O & M
Assumed	Assumed	Tackboard and blackboard adhesives	Misc	NF	5	Throughout building	Maintained under O & M
Assumed	Assumed	Vapor barriers/tar paper located below wood flooring	Misc	NF	5	Gymnasium and multi-purpose room	Maintained under O & M
Assumed	Assumed	Sheetrock and associated joint/taping compound	Misc	F	5	Throughout building	Maintained under O & M
Assumed	Assumed	Cove base – various colors and associated adhesives – various colors	Misc	NF	5	Throughout building	Maintained under O & M

Information abstracted by: Kevin McCarthy

Date: April 7, 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: Schaghticoke Middle School  
 Address: 23 Hipp Road, New Milford, CT

Date(s) of Original Inspection: 1986

Sample Number	Homogeneous Material		Material Category	Friability	Assessment Category (1-7)	Recorded locations	Response actions taken/renovations/other comments
	Asbestos Content	Material Description					
Mystic air '97, 6-15-BM-16-18	Unknown	12"x12" older tan floor tile and associated mastic	Misc	NF	5	Exercise room, two (2) gymnasium storage rooms, cafeteria storage room, custodial room, library (under carpet), classroom 90, 92, 95, 107, 109, 112, 114, 123 (former room 121), 125 (former room 121), 188, tutor 1, two (2) entry ways (under carpet), two (2) closets across from classroom 109, bathroom across from 113A, corridor next to classroom 95 and associated four (4) practices rooms (new tile over black mastic in one room), and closets in classroom 108 and 110, and custodian closet across from classroom 224	Maintained under O & M

Information abstracted by: Kevin McCarthy

Date: April 7, 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



**APPENDIX C**  
**RE-INSPECTION FORM 2**



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

School: Schaghticoke Middle School Date(s) of Re-Inspection: April 7, 2008  
 Homogeneous Material: TSI: Pipe Fitting Insulation Sample ID Number: Mystic air '97, 6-15-BM-22,24

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
Air handler rooms 11 & 12 (across from room 207), 13 & 14 (behind room 201), 15 & 16/chiller pump room (near room 222), and corridor by media center	F	300 SF	5	Operations & Maintenance	Continue
Were additional samples of this ACBM collected? No					
Date of Management Planner review: <u>4/16/08</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>					
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: Schaghticoke Middle School Date(s) of Re-Inspection: April 7, 2008  
 Homogeneous Material: TSI: Pump Insulation Sample ID Number: Assumed

Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Physical Description	Recommended Response Action(s)	Date Action Completed
Air handler room 15 & 16 (behind room 201)	F	250 SF	5	Intact friable thermal system insulation 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: 4/30/2009

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: Schaghticoke Middle School Date(s) of Re-Inspection: April 7, 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	NF	2,000 SF	5	Operations & Maintenance	Continue
Intact miscellaneous material with a potential for contact damage					

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: 4/30/2009

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: Schaghticoke Middle School Date(s) of Re-Inspection: April 7, 2008


Homogeneous Material: Miscellaneous: Tackboard and Blackboard Adhesives Sample ID Number: Assumed

Location(s) of ACBM by Assessment Category	Friability	Quantity	Assessment Category	Physical Description	Recommended Response Action(s)	Date Action Completed
Throughout building	NF	15,500 SF	5	Intact miscellaneous material with a potential for contact damage	Operations & Maintenance Material is assumed to exist below tackboards and blackboards	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: 4/30/2009

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: Schaghticoke Middle School Date(s) of Re-Inspection: April 7, 2008  
 Homogeneous Material: Miscellaneous: Vapor Barriers/Tar Paper located below Wood Flooring 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 and multi-purpose room	NF	6,500 SF	5	Operations & Maintenance Material is assumed to be located below wood flooring	Continue
Were additional samples of this ACBM collected? <u>No</u>					
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>4/30/2009</u>					
I, the LEA's Designated Person, have read and understood the recommendations made above: _____					
Date: _____					

School: Schaghticoke Middle School Date(s) of Re-Inspection: April 7, 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	Recommended Response Action(s)	Date Action Completed
Throughout building	F	150,000 SF	5	Operations & Maintenance	Continue
Intact friable miscellaneous material with a potential for contact and water damage					
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> Management Planner name: <u>Matthew Myers</u>					
Inspector signature: <u>[Signature]</u> Management Planner signature: <u>[Signature]</u>					
Accreditation #/State: <u>000586/CT</u> Accreditation #/State: <u>000041/CT</u>					
Expiration date: <u>5/31/2009</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: Schaghticoke Middle School Date(s) of Re-Inspection: April 7, 2008  
 Homogeneous Material: Miscellaneous - Cove Base - Various Colors Sample ID Number: Assumed  
 And Associated Adhesives - Various Colors

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	NF	10,000 LF	5	Operations & Maintenance	Continue
Physical Description					
Intact miscellaneous material with a potential for contact 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: _____					



School: Schaghticoke Middle School

Date(s) of Re-Inspection: April 7, 2008

Homogeneous Material: Miscellaneous - 12"x12" Older Tan Floor Tile and Associated Mastic Sample ID Number Mystic air '97, 6-15-BM-16-18

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
Exercise room, two (2) gymnasium storage rooms, cafeteria storage room, custodial room, library (under carpet), classroom 90, 92, 95, 107, 109, 112, 114, 123 (former room 121), 125 (former room 121), 188, tutor 1, two (2) entry ways (under carpet), two (2) closets across from classroom 109, bathroom across from 113A, corridor next to classroom 95 and associated four (4) practices rooms (new tile over black mastic in one room), and closets in classroom 108 and 110, and custodian closet across from classroom 224	NF	82,000 SF	5	Operations & Maintenance Material located under carpet 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

Management Planner name: Matthew Myers

Inspector signature: [Signature]

Management Planner signature: [Signature]

Accreditation #/State: 000586/CT

Accreditation #/State: 000041/CT

Expiration date: 5/31/2009

Expiration date: 4/30/09

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





**APPENDIX D**

**BULK SAMPLE RESULTS**



**EMSL Analytical, Inc.**  
 107 Haddon Ave., Westmont, NJ 08108

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

*NOTA - for your 6-mo  
 and 3-yr inspections  
 Cst 5/11/07*

Attn: **J Scott**  
**Fuss & O' Neill EnviroScience, LLC**  
**795 North Mountain Road**  
**Newington, CT 06111**

Fax: (413) 647-0018 Phone: (860) 953-2700  
 Project: 20071365.AIE/NEW MILFORD - SCHAGHTICOKE, M.S

Customer ID: ENVI54  
 Customer PO:  
 Received: 08/10/07 9:50 AM  
 EMSL Order: 040719336

EMSL Proj:  
 Analysis Date: 8/10/2007  
 Report Date: 8/10/2007

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

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
0806JS-01A 040719336-0001	LIBRARY	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0806JS-01B 040719336-0002	LIBRARY	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0806JS-01C 040719336-0003	LIBRARY	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

*Jerry Cherian (3)*

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. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. 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. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

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





**APPENDIX E**

**PERIODIC SURVEILLANCE FORM**

**PERIODIC SURVEILLANCE FORM**

Local Education Agency (LEA):

New Milford Public School

Facility Address:

Schaghticoke Middle School

23 Hipp Road, New Milford, Connecticut

Date of Surveillance:

\_\_\_\_\_

**ACBM DAMAGE REPORT**

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
Pipe fitting insulation	Air handler rooms 11 & 12 (across from room 207), 13 & 14 (behind room 201), 15 & 16/chiller pump room (near room 222), and corridor by media center	G				
Pump insulation	Air handler room 15 & 16 (behind room 201)	G				
Black window sills	Throughout building	G				
Tackboard and blackboard adhesives	Throughout building	G				
Vapor barriers/ tar paper located below wood flooring	Gymnasium and multi-purpose room	G				
Sheetrock and associated joint/taping compound	Throughout building	G				
Cove base – various colors and associated adhesives – various colors	Throughout building	G				

**PERIODIC SURVEILLANCE FORM**

Local Education Agency (LEA):

Facility Address:

Date of Surveillance:

New Milford Public School  
Schaghticoke Middle School  
23 Hipp Road, New Milford, Connecticut

**ACBM DAMAGE REPORT**

Asbestos Containing Material	Location	Previous Condition	Present Condition	Change in Condition (Yes/No)	Quantity Damaged	Comments
12"x12" older tan floor tile and associated mastic**	Exercise room, two (2) gymnasium storage rooms, cafeteria storage room, custodial room, library (under carpet), classroom 90, 92, 95, 107, 109, 112, 114, 123 (former room 121), 125 (former room 121), 188, tutor 1, two (2) entry ways (under carpet), two (2) closets across from classroom 109, bathroom across from 113A, corridor next to classroom 95 and associated four (4) practices rooms (new tile over black mastic in one room), and closets in classroom 108 and 110, and custodian closet across from classroom 224	G				Material located under carpet in some locations

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

Surveillance conducted by:

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



**APPENDIX F**

**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 which 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 which 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 which might be damaged. This applies specifically to items such as ladders, chairs, desks, and other large items which 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 it is 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:

- e) 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 samples 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 G**

# **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**

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

*conducted by*

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

*Gregory J. Morach*  
Principal Instructor

November 28, 2007

Date of Course

*Gregory J. Morach*  
Regional Manager

SIAR-2622

Certificate Number

November 28, 2008

Expiration Date

November 28, 2007

Examination Date

0003596 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.
- 2. Display the large card in a prominent place in your office or place of business.
- 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

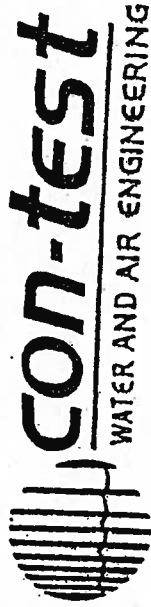
**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

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



**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'Neil 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, 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 \*\*PRSRT 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:

**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**

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- 1. Detach and sign each of the cards on this form.
- 2. Display the large card in a prominent place in your office or place of business.
- 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 - 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**  
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**ASBESTOS CONSULTANT-INSP/MGMT PLANNER**

*Matthew Myers* SIGNATURE  
*J Robert Galvin, MD, MPH, MBA* COMMISSIONER



**APPENDIX H**

**CONTRACTOR ACKNOWLEDGEMENT/SIGN IN**

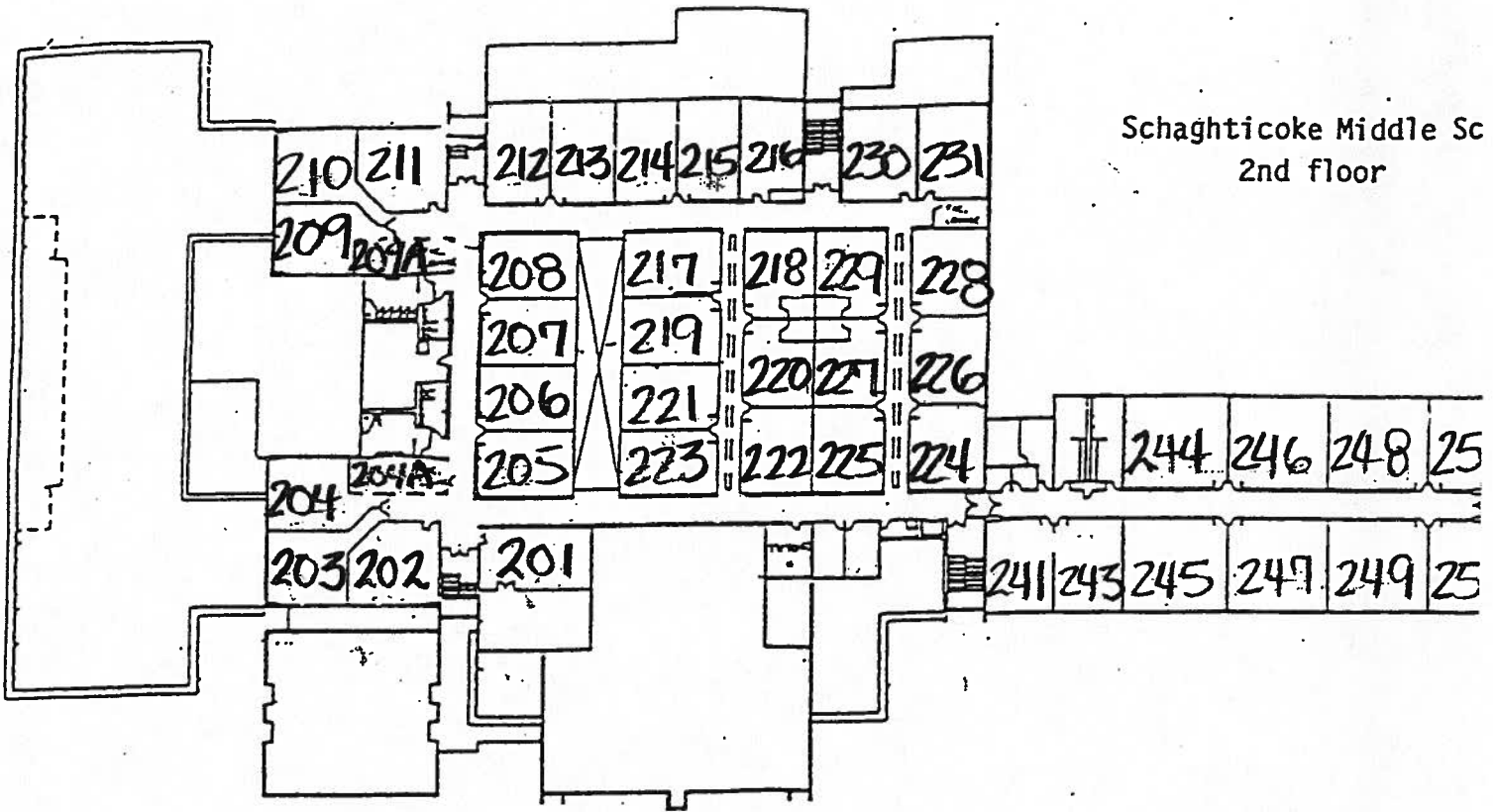






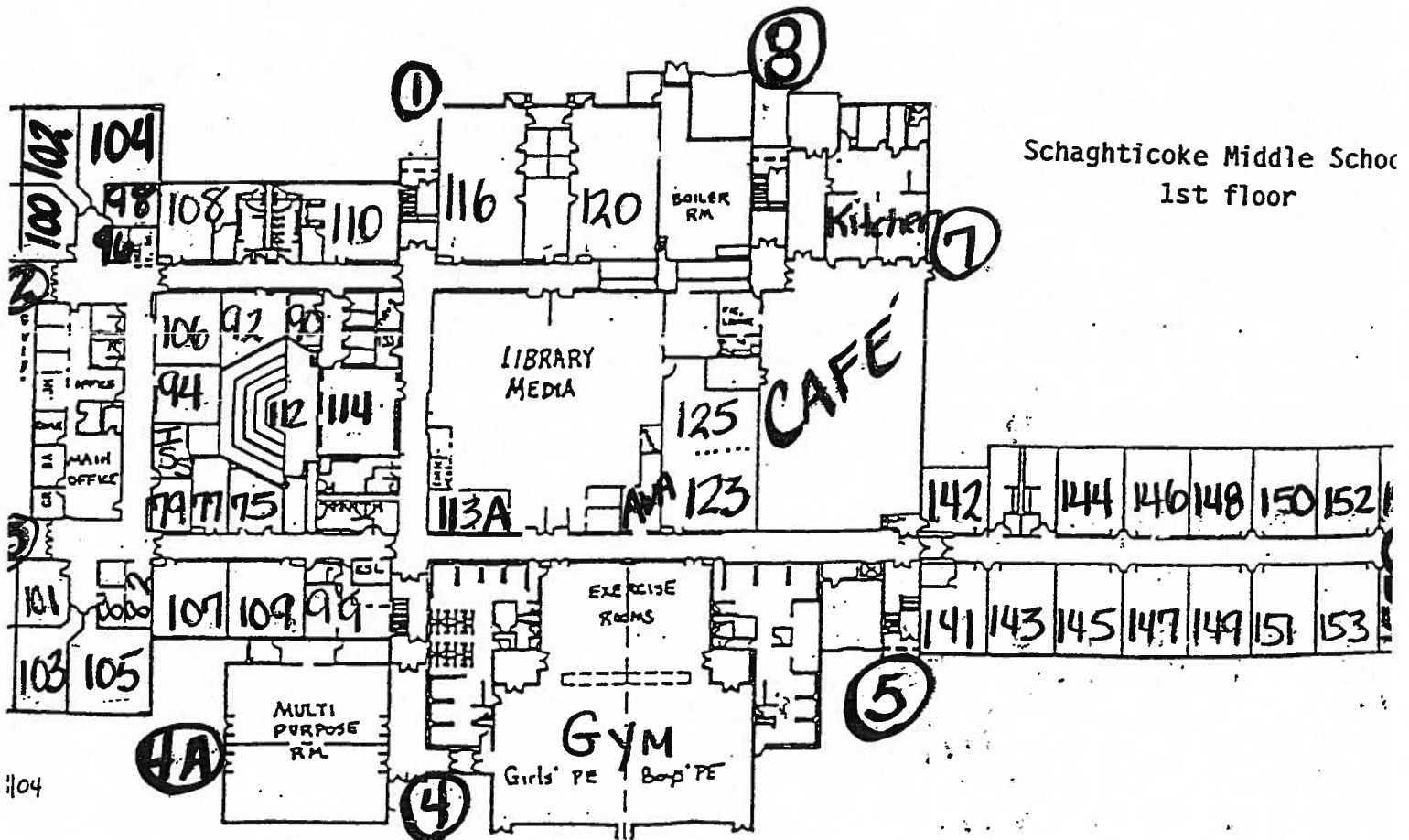
**APPENDIX I**

**BUILDING DIAGRAMS**



Schaghticoke Middle Sc  
2nd floor

Numbers 1-8 indicate Exits



Schaghticoke Middle Schoo  
1st floor



## **APPENDIX J**

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