



August 14, 2000

BUSINESS FILE

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

**RE: Three Year AHERA Asbestos Re-inspection
and Management Plan Update
John Pettibone Elementary School
New Milford, CT
EnviroScience Project No. 99-390.10**

Dear Mr. Calhoun:

Enclosed is the report of the three-year AHERA asbestos re-inspection and management plan update conducted by EnviroScience Consultants, Inc. (EnviroScience) at John Pettibone Elementary School, New Milford, Connecticut. This report is an important document that must be kept on file at the school as well as at a central location where the Management Plans are preserved.

If you have any questions regarding this report, please do not hesitate to contact us. Thank you for this opportunity to have served your environmental needs.

Sincerely,

James L. Scott
Manager, Hazardous Materials

JLS:ec

Enclosure

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

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

ASBESTOS HAZARD EMERGENCY RESPONSE ACT
THREE-YEAR ASBESTOS REINSPECTION AND
MANAGEMENT PLAN UPDATE

FOR
JOHN PETTIBONE ELEMENTARY SCHOOL

PERFORMED BY

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

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

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

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1.0 INTRODUCTION

This three-year asbestos re-inspection of John Pettibone Elementary School, New Milford, Connecticut was conducted in accordance with the requirements of the following regulations:

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

Mr. Dominick Fiore of EnviroScience Consultants, Inc. (EnviroScience) performed the re-inspection on October 14, 1999. Mr. Fiore is an accredited Asbestos Inspector in the State of Connecticut (License No. 000299). During the re-inspection, the following required tasks were performed:

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

2.0 BUILDING AND MECHANICAL SYSTEM DESCRIPTION

The John Pettibone Elementary School was built in 1955, with new additions constructed in 1958 and 1964. There are four wings to the building, all located on the ground floor.

The building is constructed on a slab foundation with brick outer walls and a corrugated steel frame. The inner walls are constructed of cinderblocks. A suspended ceiling exists in most of the building, resulting in a ceiling space with water pipes, air ducts and roof drains 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 oil burning boilers, which convey heat 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 baseboard radiators, which are located in each of the rooms.

3.0 RE-INSPECTION REPORT

3.1 Review of Records (Checklist)

An important part of this AHERA Re-inspection involved checking documentation that were required to be present at the school being inspected as well as at the central location where all management plans are preserved.

Please see Appendix A for details of our findings.

3.2 Re-inspection Summary

The on-site portion of the re-inspection was documented on forms modeled after examples provided by USEPA and reviewed with Ms. Lesley Giovanelli of the State of Connecticut Department of Public Health.

The first form, **Re-inspection Form 1A**, abstracts inspection data gathered during the initial AHERA inspection (see Appendix B). This form is useful to reference response actions (if any) which have been performed since the last inspection. It additionally provides the inspector a "quick glance" reference when performing the re-inspection.

The second EPA form, **Re-inspection Form 1B**, is used to list all known or assumed asbestos-containing materials that were previously unidentified (see Appendix C). It also lists the ACBM in areas newly acquired by the school for student use, either permanently or temporarily.

The third EPA form, **Reinspection Form 2**, was used to provide information and justification regarding reassessment of the ACBM (see Appendix D). This form also provides response action recommendation including a tentative schedule for completing response actions that recommended removal or repair.

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

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

| HOMOGENEOUS MATERIAL | REFERENCE | LOCATION(S) |
|-------------------------------|--------------------|--------------------------------------|
| Mudded pipe fittings | EnviroScience 1994 | 1964 Wing, storage room near room 20 |
| 18 LF Flexible duct connector | EnviroScience 1994 | 1964 Wing, storage room near room 20 |
| +/-160 SF 9"x9" Floor tile | EnviroScience 1994 | 1964 Wing, storage room near room 29 |

The information obtained during this re-inspection was transmitted to Mr. James Scott, an accredited Management Planner, so that response actions relative to the condition of the ACBM could be designed. Mr. Scott is a licensed Asbestos Management Planner in the State of Connecticut (License No. 000038).

3.3 Newly Identified or Re-sampled ABM

During the course of this re-inspection, several materials previously unidentified were discovered, which are suspected of being ACBM. Please refer to Re-inspection Form 1(B) for specific assessments. No bulk samples were taken of these materials during the re-inspection:

| MATERIAL | LOCATION(S) |
|--|--|
| Possible vapor barrier | Gym, under wood floor |
| Ceramic tile adhesive | All bathrooms, wherever ceramic tile is found |
| Pipe insulation | Within walls/pipe chases, especially bathrooms |
| 9"x9" Floor tile and associated mastic | Custodian's closet across from room 3 |
| 1'x1' Ceiling tiles and potential glue daubs | Vice principal's and guidance offices |
| 1'x1' Ceiling tiles and potential glue daubs | Foyer at building entrance and hallway between cafeteria and gym |
| Air cell pipe insulation | 1955 tunnel – 50' from access door located in boiler room (blue access door) |
| Asphaltic paper vapor barrier | 1955 tunnels, applied to concrete ceiling |
| 9"x9" Floor tile (gray with black and white highlights) | Book storage room across from main office |
| 1'x1' Ceiling tile and possible glue daubs | 1962 Building entrance foyer ceiling |
| 1'x1' Ceiling tile and possible glue daubs | Rooms 21 and 28-30 |
| Ceiling glue daubs | Closet storage area across hall from room 26 |
| Black window sills | Rooms 10-16 (A and B), 18 and 20A |
| 9"x9" Floor tile (green with dark blue highlights) | Main office, vault room and storage closets by principal's office |
| Plaster ceilings and walls and any other type of wall systems | Throughout the building |
| Possible asbestos-containing cement board under the exterior windows | Throughout the building |

Note: The mudded fitting observed during the inspection did not have any jackets over them, but were intact and above drop-ceilings. No action is necessary at this point.

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

Any suspect material encountered during renovation/demolition that is not specifically identified in this report as a non-ACM should be assumed to contain asbestos unless sample results prove otherwise.

3.4 Physical Assessment of ACBMs

During inspection, suspect ACBM were separated into three USEPA categories. These categories are thermal system insulation (TSI), surfacing ACBM, and miscellaneous ACBM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded

insulation on pipe fittings. Surfacing ACBM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACBM not listed in TSI or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles. Finally, all ACBM is quantified in linear and/or square footage, depending on the nature of the material.

All ACBM identified during the inspection and still remaining in the school were reassessed using the State of Connecticut Department of Public Health and AHERA guidelines for assessment of ACBM. The assessment categories are listed as follows:

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

Material locations, assessments, and recommended response actions are listed in the re-inspection forms.

3.5 Change of Condition

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

| MATERIAL | QUANTITY | LOCATION | COMMENTS |
|--------------------------------------|----------|--|------------------------------|
| Mudded pipe fittings | 8 | 1964 Wing – storage room near room 20 | Damage pipe fittings removed |
| Mudded fitting | 1 | 1964 Wing pipe tunnel | Removed, not seen |
| ACM debris from damaged pipe fitting | 1 SF | 1955 Wing - boiler room tunnel access door | Removed, not seen |

4.0 MANAGEMENT PLAN UPDATE

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

4.1 Recommended Response Actions

1. Removal

Remove damaged floor tile.

2. Repair
Not applicable

3. Enclosure
Not applicable

4. Encapsulation
Not applicable

5. Operations and Maintenance (O & M)

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

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

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

4.2 Periodic Surveillance

At least once every six (6) months after a management plan is in place, the LEA shall conduct periodic surveillance in the school that contains ACBM or assumed to contain ACBM. The person conducting periodic surveillance shall visually inspect all areas in the school that have been identified in the management plan as having ACBM, record the date of surveillance, his/her name, and any changes in the condition of the materials and submit the record to the LEA Designated Person for inclusion in the management plan.

Please see Appendix F for Periodic Surveillance Form that may be used for conducting periodic surveillance.

4.3 Preventive Measures

The LEA shall institute appropriate preventive measures to eliminate the reasonable likelihood that the ACBM will become damaged, deteriorated or delaminated.

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

5.0 EPA CERTIFICATION REQUIREMENTS

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

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CHECKLIST FOR EXISTING RECORDS

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

School Building: John Pettibone Elementary School

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

| DOCUMENTATION | | LOCATION | |
|---------------|---|----------|------------|
| | | School | LEA Office |
| 1. | Original AHERA Inspection/Management Plan | Yes | Yes |
| 2. | Three year Re-inspection (First) | Yes | Yes |
| 3. | Three year Re-inspection (Second) | No | No |
| 4. | Notifications to Parents/Guardians and Teachers (yearly since last re-inspection) | No | No |
| 5. | Designated Person Identified and Proper Training (person must be named and have appropriate training) | No | No |
| 6. | Designated Person Periodic Surveillance (every six months since last re-inspection) | No | No |
| 7. | Record of Awareness Training for Maintenance Staff | No | No |
| 8. | Outside Vendor Awareness Notification | No | No |
| 9. | Warning Signs and Labels (required posting in Boiler room and mechanical spaces only) | No | No |
| 10. | Record of Response Actions (includes any abatement done since last re-inspection) | No | No |

Comments: _____

Inspector: Dominick Fiore Date: 10/14/99

School: John Pettibone Elementary School Building

Date(s) of Original AHERA Inspection November 8, 1994

| Sample Number | Homogeneous sampling areas | | Material Category | Friability | Condition Category (1-7) | Recorded Locations | Response actions taken/ renovations/other comments |
|---------------|--|--|-------------------|------------|--------------------------|--|---|
| | Material Description | | | | | | |
| | Mudded pipe fittings | | TSI | NF | 5 | 1964 Wing - storage room near room 20 | Two damaged fittings removed, 5 still remain in good condition. |
| | Mudded pipe fittings | | TSI | NF | 5 | 1964 Wing - pipe tunnel | Removed, not seen. |
| | ACM debris from damaged pipe fittings | | TSI | NF | 1 | 1955 Wing - boiler room tunnel access door | Cleaned up, removed, not seen. |
| | Flexible duct connectors | | Misc. | NF | 5 | 1964 Wing - storage room (audio visual room) across from room 20 | In place and intact. |
| | 9"x9" VAT and mastic, light gray with pink hightlights | | Misc. | NF | 5 | 1964 Wing - storage room across from room 29 | Include in O & M plan. Potential for damage. |

Information abstracted by Dominick Fiore

Date 10-20-99

Friability: F = friable, NF = nonfriable

AHERA assessment category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly damaged friable miscellaneous ACBM, 5 = ACBM with potential for damage, 6 = ACBM with potential for significant damage, 7 = Any remaining friable ACBM or friable suspected ACBM

School: John Pettibone Elementary School Building Date(s) of Re-Inspection October 20, 1999

| Sample Number | Homogeneous sampling areas | | Material Category | Quantity (SF/LF) | Friability | Assessment Category (1-7) | Recorded locations of material for each assessment category | Asbestos Content (%) |
|---------------|---|--|-------------------|------------------|------------|---------------------------|---|----------------------|
| | Material Description | | | | | | | |
| ✓ | Possible vapor barrier | | Misc. | 2000 SF | NF | 5 | Gym, under wood floor | |
| ✓ | Adhesive attaching ceramic tile to walls | | Misc. | 2000 SF | NF | 5 | All bathrooms throughout building | |
| | Pipe insulation | | TSI/Misc. | Unknown | NF | 5 | Walls that may wrap piping, bathroom walls | |
| | 9"x9" VAT and mastic | | Misc. | 110 SF | NF | 5 | Custodian's closet across hallway from room 3 | |
| | 1'x1' Ceiling tile and glue daubs | | Misc. | 160 SF | NF | 5 | Vice principal's office and guidance offices | |
| | 1'x1' Ceiling tile and possible glue daubs | | Misc. | 790 SF | NF | 5 | Foyer building entrance and hallway between gym and cafeteria | |
| | 5" Air cell | | TSI | 45 LF | F | 1 | 1955 Tunnel, 50' from access door located in boiler room (blue access door) | |
| | Asphaltic paper barrier | | Misc. | 600 SF | NF | 5 | 1955 Pipe tunnels applied to concrete ceiling | |
| | 9"x9" Gray tile with white and black highlights | | Misc. | 120 SF | NF | 5 | Book storage room across from main office, 1 damaged tile in door entrance | |
| | 1'x1' Ceiling tile and possible glue daubs across from room 1 | | Misc. | 70 SF | NF | 5 | 1962 Building entrance in foyer on ceiling (no damage) | |
| | 1'x1' Ceiling tile and possible glue daubs | | Misc. | 6,250 SF | NF | 5 | Rooms 21-30 | |
| | 9"x9" VAT and mastic (brown floor) | | Misc. | 20 SF | NF | 5 | Closet storage area hallway across from room 26 | |
| | Black windowsills | | Misc. | 100 SF | NF | 5 | Rooms 10-18 and room 20A | |
| | 9"x9" Floor tile, green with dark blue highlights | | Misc. | 140 SF | NF | 5 | Main office, vault room and storage closets by principal's office | |
| | Plaster walls and ceilings and any other type of wall systems | | Surf. | Unknown | F | 5 | Throughout the building | |

Information abstracted by Dominick Fiore Date 10-20-99

Friability: F = friable, NF = nonfriable

AHERA assessment category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly damaged friable miscellaneous ACBM, 5 = ACBM with potential for damage, 6 = ACBM with potential for significant damage, 7 = Any remaining friable ACBM or friable suspected ACBM

School Pelham Elementary School Date(s) of RE-Inspection 10/20/99

Building same

Homogeneous Sampling Area: TSI - pipe fittings ID Number _____

| REINSPECTION FINDINGS FOR ACBM | | | MANAGEMENT PLANNER RECOMMENDATIONS | | |
|--|----------|--|------------------------------------|----------|----------|
| Location(s) of ACBM by assessment category | Quantity | Assessment Description | Response Action(s) | Schedule | Complete |
| 1964 wing - storm drain - near Kn20 | See | good cond, firm above ceiling NOT required | maintain on 04M | 2000 | 2002 |
| Ground - manholes, chases | UNK | Assumed good | maintain on 04M | 2000 | 2002 |
| 1964 wing - pipe tunnel | 1 | not seen assumed removed | remove from inventory | 2000 | - |

Date of Management Planner review: 23 June 02

Management Planner Name: Jean C. Scott
~~Attilio R. Rychter~~

Management Planner signature _____

Accreditation #/State: 000108/CT 000038/CT

Expiration date: May 31, 2000

Date: _____

Were additional samples of this ACBM collected? Yes No

Inspectors Name: Dominick Fiore
 Inspector signature _____

Accreditation #/State: 000299/CT
 Expiration date: 30 Apr 01

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

Date(s) of RE-Inspection 10/20/99

School Pelham Elementary School Building same

Homogeneous Sampling Area: Duct flex connector ID Number _____

| REINSPECTION FINDINGS FOR ACBM | | | MANAGEMENT PLANNER RECOMMENDATIONS | | |
|---|----------|-------------------------------------|---|----------|----------|
| Location(s) of ACBM by assessment category | Quantity | Assessment Description | Response Action(s) | Schedule | |
| | | | | Begin | Complete |
| 1964 wing - storage 1m near Km 20 | 18LF | good condition - above duct ceiling | New fan or other program | 2000 | 2002 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Were additional samples of this ACBM collected? Yes <input type="radio"/> No <input checked="" type="radio"/> | | | Date of Management Planner review: <u>23 June 00</u> | | |
| Inspector's Name: <u>Dominick Fiore</u> | | | Management Planner Name: <u>Jean C. Scott</u> | | |
| Inspector's signature _____ | | | Management Planner signature <u>Ashley Roychowdhury</u> | | |
| Accreditation #/State: <u>000299/CT</u> | | | Accreditation #/State: <u>000108/CT</u> | | |
| Expiration date: <u>30 Apr 01</u> | | | Expiration Date: <u>May 31, 2000</u> | | |
| I, the L.EA's Designated Person, have read and understood the recommendations made above: | | | Date: _____ | | |

Date(s) of RE-Inspection 10/20/99

School Pelham Elementary School Building same

Homogeneous Sampling Area: 9x9 Floor Fl & restic ID Number _____

| REINSPECTION FINDINGS FOR ACBM | | | MANAGEMENT PLANNER RECOMMENDATIONS | | |
|---|----------|--|---|-------|----------|
| Location(s) of ACBM by assessment category | Quantity | Assessment Description | Response Action(s) | Begin | Complete |
| 1504 cm ² storage unit across from room 29 | 160 SF | File cabinet good condition | repair maintain on O/M program | 2000 | 2002 |
| Storage cabinet near room 29 | 150 SF | some files near it damaged; cabinet good condition | replace damaged; maintain schedule on O/M | 2000 | 2001 |
| custodian closet by room 3 | 110 SF | good condition | maintain on O/M | 2000 | 2002 |
| books storage unit near main office | 120 SF | one damaged file, balance in good condition | replace damaged; maintain schedule on O/M | 2000 | 2001 |
| storage closet near room 26 | 20 SF | good condition | maintain on O/M | 2000 | 2002 |
| main office visit | 140 SF | good condition | maintain on O/M | 2000 | 2002 |

Were additional samples of this ACBM collected? Yes No

Inspectors Name: Dominic Fiore
 Inspector signature: _____
 Management Planner Name: Jerry C. Scott
 Management Planner signature: _____

Accreditation #/State: 000299/CT
 Expiration date: 30Apr-01
 Accreditation #/State: 000108/CT
 Expiration Date: May 31, 2000

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

Date(s) of RE-Inspection 10/20/99

School Peterson Elementary School Building same

Homogeneous Sampling Area: FST ~~space~~ ~~sub~~ ID Number _____

REINSPECTION FINDINGS FOR ACBM

| Location(s) of ACBM by assessment category | Quantity | Assessment Description |
|---|-------------------------|--------------------------------|
| <u>1st floor</u> <u>155 (Wing) Bolo Room</u> <u>Area on floor</u> | <u>5</u> <u>1 SF</u> | <u>not seen, remove object</u> |

MANAGEMENT PLANNER RECOMMENDATIONS

| Response Action(s) | Schedule | |
|-------------------------|------------|-------------|
| | Begin | Complete |
| <u>Remove for 0 tan</u> | <u>now</u> | <u>2002</u> |

Date of Management Planner review: _____
 Management Planner Name: Janet C. Scott
 Management Planner signature: [Signature]
 Accreditation #/State: 000108/CT
 Expiration Date: May 31, 2000

Were additional samples of this ACBM collected? Yes No

Inspector's Name: Dominick Fiore
 Inspector signature: _____

Accreditation #/State: 000299/CT
 Expiration date: 30 Apr 01

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

Reinspection Form 2. Reinspection of ACBM: Findings and Manager: Planner Recommendations
 School Pelham Elementary School Building same

Date(s) of RE-Inspection 10/20/99

Homogeneous Sampling Area: 1st paper filters ID Number _____
Vapor Barrier

REINSPECTION FINDINGS FOR ACBM

| Location(s) of ACBM by assessment category | Quantity | Assessment Description | MANAGEMENT PLANNER RECOMMENDATIONS | | |
|--|----------------|--|------------------------------------|-------------|-------------|
| | | | Response Action(s) | Schedule | Complete |
| <u>Asbestos - paper filters</u> | <u>see</u> | | | <u>2000</u> | <u>2000</u> |
| <u>Gym - under floor</u> | <u>2000 SF</u> | <u>assumed present. no record in govt. records</u> | <u>maintain or O+M</u> | <u>2000</u> | <u>2000</u> |

Were additional samples of this ACBM collected? Yes No

Inspectors Name: Dominick Fiore

Inspector signature _____

Accreditation #/State: 000299/CT

Expiration date: 30 Aug 01

Date of Management Planner review: Jan 2, 2001

Management Planner Name: Astia Royce

Management Planner signature _____

Accreditation #/State: 000108/CT

Expiration Date: May 31, 2000

Date: _____

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

Date(s) of RE-Inspection 10/20/99

School Pelham Elementary School Building same

Homogeneous Sampling Area: 1st pipe fittings ID Number _____
Adhesive for drain in FH

REINSPECTION FINDINGS FOR ACBM

| Location(s) of ACBM by assessment category | Quantity | Assessment Description | MANAGEMENT PLANNER RECOMMENDATIONS | |
|--|---------------|-------------------------------|------------------------------------|-------------|
| | | | Response Action(s) | Schedule |
| <u>Adhesive stoppers - drain in 1st</u> | <u>5 ea</u> | <u>removed & replaced</u> | | |
| <u>LAVatories</u> | <u>2000SF</u> | <u>in good condition</u> | <u>Maintain on O + M</u> | <u>2000</u> |
| | | | | |
| | | | | |

Were additional samples of this ACBM collected? Yes No

Inspector's Name: Dominick Fiore
 Inspector signature _____

Accreditation #/State: 000299/CT
 Expiration date: 30Apr-01

Date of Management Planner review: _____
 Management Planner Name: Jean C. Scott
 Management Planner signature: [Signature]

Accreditation #/State: 000108/CT
 Expiration Date: May 31, 2000

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

Date(s) of RE-Inspection 10/20/99

School Peterson Elementary School Building same

Homogeneous Sampling Area: FST - paper fittings ID Number _____

Glue joints under ceiling tiles, acoustic, 1'x1'

REINSPECTION FINDINGS FOR ACBM

| Location(s) of ACBM by assessment category | Quantity | Assessment Description | MANAGEMENT PLANNER RECOMMENDATIONS | |
|--|---------------|---|------------------------------------|-------------|
| | | | Response Action(s) | Schedule |
| | | | Begin | Complete |
| <u>Auditorium - stage area</u> | <u>See</u> | <u>As noise present. Assume in good cond. for</u> | <u>2002</u> | <u>2002</u> |
| <u>VICE Principal's office</u> | <u>160SF</u> | <u>As noise present. Assume in good cond. for</u> | <u>2002</u> | <u>2002</u> |
| <u>Main entrance, hall between gym & cafeteria</u> | <u>770SF</u> | <u>As noise present. Assume in good cond. for</u> | <u>2002</u> | <u>2002</u> |
| <u>Rms 21 to 30</u> | <u>6250SF</u> | <u>As noise present. Assume in good cond. for</u> | <u>2002</u> | <u>2002</u> |
| <u>1902 wing - front entrance</u> | <u>705SF</u> | <u>As noise present. Assume in good cond. for</u> | <u>2002</u> | <u>2002</u> |

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

Inspector's Name: Dominick Fiore
Inspector signature _____

Accreditation #/State: 000299/CT
Expiration date: 30Apr01

Date of Management Planner review: _____

Management Planner Name: Jam C. Scott
Management Planner signature _____

Accreditation #/State: 000108/CT 000038/CT
Expiration Date: May 31, 2000

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

Reinspection Form 2. Reinspection of ACBM: Findings and Manager Planner Recommendations
 School Pettibone Elementary School Building same

Date(s) of RI-Inspection 10/20/99

Homogeneous Sampling Area: TS1 - pipe fittings ID Number
TS1 - Air cell, not wrapped, 5" Ø

| REINSPECTION FINDINGS FOR ACBM | | | MANAGEMENT PLANNER RECOMMENDATIONS | |
|---|--------------|------------------------|------------------------------------|--------------|
| Location(s) of ACBM by assessment category | Quantity | Assessment Description | Schedule | |
| | | | Begin | Complete |
| <u>Asbestos storage room - from 10/20</u> | <u>5 ea</u> | | <u>10/20</u> | <u>10/22</u> |
| <u>1985 tunnel, 50' from SW Access door</u> | <u>45 LF</u> | <u>Good condition</u> | <u>10/20</u> | <u>10/22</u> |
| | | | | |
| | | | | |
| | | | | |

Were additional samples of this ACBM collected? Yes No

Date of Management Planner review: Jan 4, 2001
 Management Planner Name: ASHE KROCHMALNICKY
 Management Planner signature: _____
 Accreditation #/State: 000108/CT 000038/CT
 Expiration Date: May 31, 2000

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

Date(s) of RE-Inspection 10/20/99

School Pettibone Elementary School Building same

Homogeneous Sampling Area: ISF paper findings ID Number _____
Asphaltic paper Sam in

| REINSPECTION FINDINGS FOR ACBM | | | MANAGEMENT PLANNER RECOMMENDATIONS | |
|---|---------------|------------------------|---------------------------------------|----------------|
| Location(s) of ACBM by assessment category | Quantity | Assessment Description | Response Action(s) | Schedule |
| | | | | Begin Complete |
| <u>Auditorium - storage room - been there</u> | <u>5 lbs</u> | | | <u>2002</u> |
| <u>at concrete ceiling in 1955 tunnel</u> | <u>60 lbs</u> | <u>good condition</u> | <u>Asphaltic paper in 1955 tunnel</u> | |
| | | | | |
| | | | | |
| | | | | |

Were additional samples of this ACBM collected? Yes No

Inspector's Name: Dominick Fiore

Inspector signature _____

Accreditation #/State: 000299/CT

Expiration date: 30 Nov 01

Date of Management Planner review: _____

Management Planner Name: Jane C. Scott

Management Planner signature _____

Accreditation #/State: 000108/CT

Expiration Date: May 31, 2000

Date: _____

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

School Pelham Elementary School Building same

Homogeneous Sampling Area: 1st paper fittings ID Number _____
ceiling tile, 1 x 1 + joint

REINSPECTION FINDINGS FOR ACBM

| Location(s) of ACBM by assessment category | Quantity | Assessment Description | MANAGEMENT PLANNER RECOMMENDATIONS | |
|--|----------------|------------------------|------------------------------------|-------------|
| | | | Response Action(s) | Schedule |
| | | | Begin | Complete |
| <u>1902 wing - paper fittings</u> | <u>5 ea</u> | | <u>7000</u> | <u>2002</u> |
| <u>1902 wing - paper fittings</u> | <u>7051</u> | <u>good condition</u> | | |
| <u>Rms 21-30</u> | <u>6250 ea</u> | <u>good condition</u> | | |

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

Inspector's Name: Dominick Fiore
 Inspector signature _____

Accreditation #/State: 000299/CT
 Expiration date: 30 Apr 01

Date of Management Planner review: _____

Management Planner Name: Jamie C. Scott
 Management Planner signature _____

Accreditation #/State: 000108/CT 000038/CT
 Expiration Date: May 31, 2000
ACS

I, the T.E.A.'s Designated Person, have read and understood the recommendations made above. Date: _____

Date(s) of RE-Inspection 10/20/99

School Pelham Elementary School Building same

Homogeneous Sampling Area: FST paper fittings ID Number _____
Ebony window sills

REINSPECTION FINDINGS FOR ACBIM

| Location(s) of ACBIM by assessment category | Quantity | Assessment Description | MANAGEMENT PLANNER RECOMMENDATIONS | |
|---|-------------|------------------------|------------------------------------|-------------|
| | | | Response Action(s) | Schedule |
| | Begin | Complete | | |
| <u>Attending stores from window sills - Rms 10-16A, B-18, 20A</u> | <u>5 or</u> | <u>good cond. Fin</u> | <u>7000</u> | <u>2002</u> |
| | | | <u>8</u> | |
| | | | | |
| | | | | |

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

Inspectors Name: Dominick Fiore
 Inspector signature: _____

Accreditation #/State: 000299/CT
 Expiration date: 30 Aug 01

Date of Management Planner review: _____
 Management Planner Name: Jean C. Scott
 Management Planner signature: _____

Accreditation #/State: 000108/CT
 Expiration Date: May 31, 2000
 Date: _____

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

PERIODIC SURVEILLANCE FORM

Local Education Agency (LEA): New Milford Public Schools, 47 Bridge Street Page 1 of 3

Facility Address: John Pettibone Elementary School
New Milford, CT

Date of Surveillance: _____

ACBM DAMAGE REPORT

| Asbestos Containing Material | Location | Previous Condition | Present Condition | Change in Condition (Yes/No) | Quantity Damaged | Comments |
|------------------------------|---|--------------------|-------------------|------------------------------|------------------|----------|
| Mudded pipe fittings | 1964 Wing, storage room near room 20 above drop-ceiling | | | | | |
| Flexible duct connectors | 1964 Wing, storage room near room 20 above ceiling | | | | | |
| 9"x9" Floor tile | 1964 Wing storage room across from room 29 | | | | | |
| Possible vapor barrier | Gym - under hardwood floor | | | | | |
| Ceramic tile adhesive | All bathrooms and wherever ceramic tile is on walls | | | | | |
| Pipe insulation | Within wall/pipe chases, especially bathrooms | | | | | |
| 9"x9" Floor tile and mastic | Custodian's closet across from room 3 | | | | | |

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

Surveillance conducted by: _____

(Signature)

PERIODIC SURVEILLANCE FORM

Local Education Agency (LEA): New Milford Public Schools, 47 Bridge Street Page 2 of 3

Facility Address: John Pettibone Elementary School
New Milford, CT

Date of Surveillance: _____

ACBM DAMAGE REPORT

| Asbestos Containing Material | Location | Previous Condition | Present Condition | Change in Condition (Yes/No) | Quantity Damaged | Comments |
|--|--|--------------------|-------------------|------------------------------|------------------|----------|
| 1'x1' Ceiling tiles and glue daubs | Vice principals office and guidance offices | | | | | |
| 1'x1' Ceiling tiles and glue daubs | Foyer at building entrance and between gym and cafeteria | | | | | |
| Air cell pipe insulation | 1955 Tunnel (50' from blue access door in boiler room | | | | | |
| Asphaltic black vapor barrier | 1955 Tunnels applied to concrete ceiling | | | | | |
| 9"x9" Floor tile, gray with white markings | Book storage room across from main office | | | | | |
| 1'x1' Ceiling tiles and glue daubs | 1962 Building foyer entrance | | | | | |
| 1'x1' Ceiling tiles and glue daubs | Rooms 21 and 28-30 | | | | | |

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

Surveillance conducted by: _____

 (Signature)

PERIODIC SURVEILLANCE FORM

Local Education Agency (LEA): New Milford Public Schools, 47 Bridge Street Page 3 of 3

Facility Address: John Pettibone Elementary School
New Milford, CT

Date of Surveillance: _____

ACBM DAMAGE REPORT

| Asbestos Containing Material | Location | Previous Condition | Present Condition | Change in Condition (Yes/No) | Quantity Damaged | Comments |
|---|--|--------------------|-------------------|------------------------------|------------------|----------|
| Ceiling glue daubs | Closet storage room across hall from room 26 | | | | | |
| Black windowsills | Rooms 10-16 (A & B), 18, and 20A | | | | | |
| 9"x9" Floor tile, green | Main office, vault room and storage closet | | | | | |
| Plaster ceilings and walls, and any other type of walls | Throughout the building | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Surveillance conducted by: _____
(Signature)

PREVENTIVE MEASURES FOR VARIOUS ASBESTOS-CONTAINING MATERIALS

A. SURFACING MATERIALS

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

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

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

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

B. THERMAL SYSTEM INSULATION (TSI)

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

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

1. Boiler and breeching insulation

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

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

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

3. Fire door

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

C. MISCELLANEOUS MATERIALS

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

1. Vinyl Asbestos Floor Tiles (VAT)

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

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

2. Gypsum wallboard and joint compound assembly

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

3. Ceiling Tile and Glue Daubs

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

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

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

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

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

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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 - INSPECTOR

LICENSE NO. 000299
CURRENT THROUGH 04/30/01
VALIDATION NO. 00-338085

DOMINICK FIORE

Dominick Fiore
SIGNATURE

COMMISSIONER, DEPT. OF PUBLIC HEALTH

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

This is to certify that

Dominick Fiore
9 Randolph Place, Trumbull CT 06611
SS# 042-74-1243

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

Ray T. Freuden
Principal Instructor
Oct. 12, 1999
Date of Course
Oct. 12, 1999: B
Examination Date & Grade

Patricia J. Hickey
Training Manager
AIR-10/99-11
Certificate Number
Oct. 12, 2000
Expiration Date

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC SAFETY
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT,
THE INDIVIDUAL NAMED BELOW IS LICENSED BY THIS DEPARTMENT AS
ASBESTOS CONSULTANT - INSP / MGMT. PLANNER

JAMES L. SCOTT
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LICENSE NO. 000038
CURRENT THROUGH 08/31/01
VALIDATION NO. 00384615

EXPIRES FOR REISSUE