

**ASBESTOS-CONTAINING MATERIALS  
REINSPECTION REPORT & MANAGEMENT PLAN UPDATE**

**NINTH GRADE BUILDING  
E8711-05B**

**TABLE OF CONTENTS**

<b><u>SECTION 1 - GENERAL</u></b>	<b><u>PAGE</u></b>
A. Table of Contents	1A1
<b><u>SECTION 4</u></b>	
A. Reinspection	4A1 to 4A8
Date of Inspection/Inspector	4A1
Accreditation Certificate	4A3
Homogeneous Areas	4A7
B. Assessments	4B1 to 4B10
Assessment Procedure/Inspector	4B1
Assessments	4B3
Field Assessment Forms	4B4
<b><u>SECTION 6</u></b>	
A. Response Actions	6A1 to 6A6
Response Actions Recommended	6A1
Selected Response Actions	6A5
B. Specific Location of Asbestos Materials	6B1
List of Asbestos-Containing Materials	6B1
C. Follow-Up to Response Actions	6C1 to 6C2
Periodic Surveillance Schedule	6C1
Specific O&M Procedures	6C2
<b><u>SECTION 7</u></b>	
B. Resource Evaluation	7B1 to 7B2
Estimated Cost of Recommended Response Actions	7B1
Estimated Cost of Selected Response Actions	7B2

## REINSPECTION SUMMARY

A reinspection for Asbestos-Containing Materials was performed at the Ninth Grade Building, under jurisdiction of the Penn Manor School District, by Environmental Hazards Consulting, Inc., One Penn Square, Lancaster, Pennsylvania 17602, on May 13, 1994.

The inspection was performed in accordance with the standards of 40 CFR, Part 763, Subpart E, the AHERA Regulations, for the purpose of the required three-year reinspection.

The results of the inspection are presented on the following pages.

In some instances, asbestos-containing materials concealed by the existing construction and finish materials and not indicated in any construction or renovation documentation, cannot be detected without significant disturbance or demolition of the construction or finish. Roofing materials were not sampled as part of the survey but may contain asbestos. Therefore it is recommended that the LEA utilize an accredited inspector prior to demolition or renovation work to further investigate, and during renovation or demolition work should suspect materials be uncovered, for any concealed materials not accessible during this survey.

Certain materials obvious to the inspector as typically containing asbestos and materials previously sampled and confirmed as asbestos-containing by others, were assumed to be ACM and are listed under "Homogeneous Areas".

Inspector:

Name: Kenneth W. Houseman

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Date

## REINSPECTION SUMMARY

A reinspection for Asbestos-Containing Materials was performed at the Ninth Grade Building, under jurisdiction of the Penn Manor School District, by Environmental Hazards Consulting, Inc., One Penn Square, Lancaster, Pennsylvania 17602, on November 21, 1994.

The inspection was performed in accordance with the standards of 40 CFR, Part 763, Subpart E, the AHERA Regulations, for the purpose of the required three-year reinspection.

The results of the inspection are presented on the following pages.

In some instances, asbestos-containing materials concealed by the existing construction and finish materials and not indicated in any construction or renovation documentation, cannot be detected without significant disturbance or demolition of the construction or finish. Roofing materials were not sampled as part of the survey but may contain asbestos. Therefore it is recommended that the LEA utilize an accredited inspector prior to demolition or renovation work to further investigate, and during renovation or demolition work should suspect materials be uncovered, for any concealed materials not accessible during this survey.

Certain materials obvious to the inspector as typically containing asbestos and materials previously sampled and confirmed as asbestos-containing by others, were assumed to be ACBM and are listed under "Homogeneous Areas".

Inspector:

Name: Richard A. Ross

  
Signature

1/25/95  
Date



**ASBESTOS CERTIFICATION**  
**DEPARTMENT OF LABOR & INDUSTRY**

SEX	HEIGHT	EYES	BIRTHDATE
M	6'02	H2L	04/01/69

EXPIRATION DATE	ISSUE DATE
11/12/94	12/01/93

CERTIFICATION NUMBER	CLASSES
001520	05

KENNETH W HOUSEMAN SR  
RR 3 BOX 3083A  
WHITE CHURCH ROAD  
SEVEN VALLEYS PA 17360

SIGNATURE

NOT APPROVED FOR WORK IN MARYLAND SCHOOLS



**BIOSPHERICS® INCORPORATED**  
12051 Indian Creek Court  
Beltsville, Maryland 20705  
(301) 419-3900

*This is to certify that*

**Kenneth W. Houseman, Sr.**

*has successfully completed  
an EPA approved course for*

**Building Inspectors (Refresher)**

*entitled*

**Asbestos Hazards, Abatement and Protection**

*given*

**November 12, 1993**

**93-11-12-22**

**Certification Number**

**November 12, 1994**

**Certification Expires**

*Kenn M. Maroney*  
Instructor

*Rachel Riley*  
Course Director

**THIS TRAINEE HAS SUCCESSFULLY PASSED OUR EXAMINATION.**

**PENNSYLVANIA ASBESTOS CERTIFICATION**

001518



Sex Height Eyes Birth Date  
M 5' 10" BLU 05/19/53

Expires Issue Date  
11/30/95 12/02/94

Class  
MANAGEMENT PLANNER

RICHARD A ROSS  
1981 STERLING PLACE

LANCASTER PA 17601

*Richard A. Ross*



THE FOLLOWING INFORMATION PERTAINS TO DRIVER LICENSES ONLY

**LICENSE CLASSES**

- A. Combination > 26,000/Tow > 10,000
- B. Single > 26,000/Tow < 10,001
- C. Single/Comb < 26,001
- M. Motorcycle/Motor Driven Cycle

**COMMERCIAL RESTRICTIONS**

- L. No air brakes
- B. No A buses
- C. No A/B buses

**COMMERCIAL ENDORSEMENTS**

- H. Hazmat
- X. Tank/Hazmat
- P. Passenger
- N. Tank
- T. Db/Tpl trailers
- S. School bus

**RESTRICTIONS**

- 1. Corrective lenses
- 2. Dual mirrors
- 3. Automatic
- 4. Special Equipment
- 5. Daylight only
- 6. Classified driver
- 7. Restricted license
- 8. Motorcycle motor not > 5 brake hp



**Lancaster Laboratories**

*Where quality is a science.*

*This is to certify that*

**Richard A. Ross**

*has successfully completed the 1/2-Day Asbestos  
Building Inspector Annual Refresher Course in  
accordance with PA Act 194-1990, EPA AHERA  
(40 CFR Part 763), and TSCA Title II.*

BIR-092-1194

Certificate Number

193-42-4414

Social Security Number

November 30, 1994

Course Date

November 30, 1995

Expiration Date

*Paul C. Unkley*

Course Instructor

008711 Penn Manor School District

BLDG. NO: 05 BUILDING NAME: Ninth Grade Building

HOMOGENEOUS AREAS

ASBESTOS CONTENT: C - Chrysotile, A - Amosite, CR - Crocidolite, TR - Tremolite, AC - Actinolite  
ASMD - Assumed, ND - None Detected

Homo. Area No.	Material	Location	Approx. Amount	Material Classification	Friability	Asbestos Content	Sample No(s).
01	Breeching Insulation	Boiler Room	220 S.F.	Thermal Systems Insulation	Friable	10% *Sampled by Others	
02	Boiler Gaskets	Boiler Room	50 L.F.	Thermal Systems Insulation	Friable	75% *Sampled by Others	
03	Hot Water Storage Tank	Boiler Room	300 S.F.	Thermal Systems Insulation	Friable	65% *Sampled by Others	
04	Pipe Fitting Insulation	Boiler Room	85 Fittings	Thermal Systems Insulation	Friable	5% *Sampled by Others	
05	9"x9" Floor Tile	Classrooms & Administration Offices	27,000 S.F.	Miscellaneous Material	Non-Friable	3% *Sampled by Others	



008711 Penn Manor School District

BLDG. NO: 05 BUILDING NAME: Ninth Grade Building

HOMOGENEOUS AREAS [CONTINUED]

ASBESTOS CONTENT: C - Chrysotile, A - Amosite, CR - Crocidolite, TR - Tremolite, AC - Actinolite  
ASMD - Assumed, ND - None Detected

Homop. Area No.	Material	Location	Approx. Amount	Material Classification	Friability	Asbestos Content	Sample No(s).
06	Transite Wall Panels	Room No. 347	350 S.F.	Miscellaneous Material	Non-Friable	15%	*Sampled by Others

## ASSESSMENT PROCEDURE/INSPECTOR

(Page 1 of 2)

### Assessment Procedure:

Assessments were performed of the Friable ACBM in accordance with Section 763.88 of 40 CFR, Part 763, Subpart E. Field assessment forms were completed as part of the assessment evaluation and are hereinafter included as reference standards for future inspection by the LEA. The factors considered and the reason for the assessment classification are contained on these forms.

For the purposes of overall information organization, all suspect and confirmed ACBM materials have been assigned assessment numbers.

The materials were assessed in regard to existing condition, damage potential and exposure potential. Each material was classified into each of the following three assessment criteria categories:

#### Existing Condition:

1. Significantly Damaged
2. Damaged
3. No Damage

#### Potential for Damage:

1. Potential for Significant Damage
2. Potential for Damage
3. Low Potential for Damage

#### Potential for Exposure

1. Potential for Significant Exposure
2. Potential for Exposure
3. Low Potential for Exposure

Each asbestos-containing material was then classified into one of the following categories established by the AHERA Regulations.

1. Damaged or significantly damaged thermal systems insulation.
2. Damaged friable surfacing ACM.
3. Significantly damaged friable surfacing ACM.
4. Damaged or significantly damaged friable miscellaneous ACM.
5. ACBM with potential for damage.

**ASSESSMENT PROCEDURE/INSPECTOR**

(Page 2 of 2)

6. ACBM with potential for significant damage.
7. Any remaining friable ACBM or friable suspected ACBM.
8. Non-friable ACBM

Inspector:

Name: Richard A. Ross

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Date

008711 Penn Manor School District

BLDG. NO: 05 BUILDING NAME: Ninth Grade Building

ASSESSMENT REPORT

Homo. Area No.	Am't No.	Functional Space(s) and Material	Approx. Amount	Assessment Criteria:			AMERA Class.
				Existing Damage	Damage Potential	Exposure Potential	
01	A	Boiler Room Breaching Insulation	220 S.F.	1 No Damage	2 Potential	2 Potential	05
02	A	Boiler Room Boiler Gaskets	50 L.F.	1 No Damage	2 Potential	2 Potential	05
03	A	Boiler Room Hot Water Storage Tank	300 S.F.	3 Significant Damage	2 Potential	2 Potential	01
04	A	Boiler Room Pipe Fitting Insulation	65 Fittings	2 Damage	2 Potential	2 Potential	01
05	A	Classrooms 9"x9" Floor Tile	25,000 S.F.	1 No Damage	2 Potential	3 Significant Potential	
05	B	Administration Offices 9"x9" Floor Tile	2,000 S.F.	1 No Damage	2 Potential	3 Significant Potential	08
06	A	Room No. 347 Transite Wall Panels	350 S.F.	1 No Damage	2 Potential	3 Significant Potential	08

Project No. E811/ - / - / 05B Client: PENN MANOR SCH. DISTRICT. Homog Area: 01  
Building: 9TH GRADE BUILDING. No. 05 Assessment: A

Functional Space(s): BOILER ROOM.  
Material: BEECHING INSULATION. Amount: 220 Sq.Ft. \_\_\_\_\_ Lin.Ft.

Friability:  Friable  Non-Friable Type:  Surfacing  Thermal Insulation  Misc. Asbestos Content: \_\_\_\_\_

**EXISTING DAMAGE** Rating:  Significantly Damaged  Damaged  No Damage

Physical Damage:  Significant >10%  Damaged <10%  No Damage  
Water Damage:  Significant >10%  Damaged <10%  No Damage  
Deterioration:  Significant >10%  Deteriorated <10%  No Deterioration  
Damage Extent:  Localized  Distributed  Both  
Remarks: NO DAMAGE.

**DAMAGE POTENTIAL** Rating:  Significant Potential  Potential  Low Potential

Fiber Release Deterrent:  None  Sealed Enclosure  Barrier  Encapsulant  
Description: WRAPPED & PAINTED.

Accessibility:  Within Normal Reach  Barely Reachable  Not Reachable  
Functional Space Activity: BOILER ROOM.

Proximity To Items Requiring Maintenance/Repair: -0- feet  
Type Of Maintenance/Repair: BOILER/FUE REPAIR/MAINT.

Subject To Moisture Damage:  Yes  No Source:  Piping  Roof Leak  Sprinkler  Other  
Description: NO LEAKS NOTED.

Ventilation:  Yes  No  Mechanical  Intake  Exhaust  Natural  
Movement:  High  Moderate  Low  Variable  
Description: NATURAL AIR MOVEMENT  
Potential For Air Erosion:  High  Moderate  Low

Vibration - Potential For Fiber Release:  High  Moderate  Low  
Description: NOTICEABLE VIBRATION AFFECTING ACM W/ GOOD SURFACE.

**EXPOSURE POTENTIAL** Rating:  Significant Potential  Potential  Low Potential

Accessibility:  General Population  Tenants  Operations  Routine Maintenance  Repair  
Remarks: AREA ACCESSED FOR MAINT/REPAIR ONLY.

Dust/Debris Present:  Significant  Moderate  Slight  None

Fiber Transport:  None  Air Plenum/Chase  Ductwork  Mechanical Shaft  Elevator/Dumbwaiter  Other  
Description: NONE.

Photographs:  Yes  No No's: \_\_\_\_\_ AHERA Classification Number: 5

ASSESSMENT: 100/ RESPONSE: RO PRIORITY: PO PERIODIC SURVEILLANCE: S1 CEN: 1F /MN: \_\_\_\_\_ /CP: \_\_\_\_\_

Inspector: KENNETH W. HOUSEMAN Certification No.: 93-11-12-23

Signature: Kenneth W. Houseman Date: MAY 13, 1994

Project No. E8711 / - / - / 05B Client: PENN MANOR SCH. DISTRICT. Homog Area: 02  
Building: 9<sup>TH</sup> GRADE BUILDING. No. 05 Assessment: A

Functional Space(s): BOILER ROOM.  
Material: BOILER GASKETS Amount: 50 Sq.Ft. 50 Lin.Ft.

Friability:  Friable  Non-Friable Type:  Surfacing  Thermal Insulation  Misc. Asbestos Content: \_\_\_\_\_

**EXISTING DAMAGE**

Rating:  Significantly Damaged  Damaged  No Damage

Physical Damage:  Significant >10%  Damaged <10%  No Damage  
Water Damage:  Significant >10%  Damaged <10%  No Damage  
Deterioration:  Significant >10%  Deteriorated <10%  No Deterioration  
Damage Extent:  Localized  Distributed  Both  
Remarks: NO DAMAGE

**DAMAGE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Fiber Release Deterrent:  None  Sealed Enclosure  Barrier  Encapsulant  
Description: PAINTED.

Accessibility:  Within Normal Reach  Barely Reachable  Not Reachable  
Functional Space Activity: BOILER ROOM.

Proximity To Items Requiring Maintenance/Repair: 0 Feet  
Type Of Maintenance/Repair: BOILER SERVICING.

Subject To Moisture Damage:  Yes  No Source:  Piping  Roof Leak  Sprinkler  Other  
Description: NO LEAKS NOTED.

Ventilation:  Yes  No  Mechanical  Natural  Intake  Exhaust  High  Moderate  Low  Variable  
Description: NATURAL AIR MOVEMENT.  
Potential For Air Erosion:  High  Moderate  Low

Vibration - Potential For Fiber Release:  High  Moderate  Low  
Description: NOTICABLE VIBRATION AFFECTING ACM W/ GOOD SURFACE.

**EXPOSURE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Accessibility:  General Population  Tenants  Operations  Routine Maintenance  Repair  
Remarks: AREA ACCESSED FOR MAINT/REPAIR ONLY.

Dust/Debris Present:  Significant  Moderate  Slight  None

Fiber Transport:  None  Air Plenum/Chase  Ductwork  Mechanical Shaft  Elevator/Dumbwaiter  Other  
Description: NONE.

Photographs:  Yes  No No's: \_\_\_\_\_ AHERA Classification Number: 5

ASSESSMENT: 122/ RESPONSE: RO PRIORITY: PO PERIODIC SURVEILLANCE: S1 O&M: IF /MN: \_\_\_\_\_ /CP: \_\_\_\_\_

Inspector: KENNETH W. HOUSEMAN Certification No.: 93-11-12-23

Signature: Kenneth W. Houseman Date: MAY 13, 1994

Project No. E8111 / - / - / 05B Client: PENN MANOR SCH. DISTRICT. Homog Area: 03

Building: 9th GRADE BUILDING. No. 05 Assessment: A

Functional Space(s): BOILER ROOM.  
Material: HOT WATER STORAGE TANK. Amount: 300 Sq.Ft. \_\_\_\_\_ Lin.Ft.

Friability:  Friable  Non-Friable Type:  Surfacing  Thermal Insulation  Misc. Asbestos Content: \_\_\_\_\_

**EXISTING DAMAGE**

Rating:  Significantly Damaged  Damaged  No Damage

Physical Damage:  Significant >10%  Damaged <10%  No Damage  
Water Damage:  Significant >10%  Damaged <10%  No Damage  
Deterioration:  Significant >10%  Deteriorated <10%  No Deterioration  
Damage Extent:  Localized  Distributed  Both

Remarks: LOCALIZED SIG. DAMAGE EXISTS AT REAR END OF TANK.

**DAMAGE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Fiber Release Deterrent:  None  Sealed Enclosure  Barrier  Encapsulant  
Description: NONE.

Accessibility:  Within Normal Reach  Barely Reachable  Not Reachable  
Functional Space Activity: BOILER ROOM

Proximity To Items Requiring Maintenance/Repair: 0 Feet  
Type Of Maintenance/Repair: TANK/PIPING REPAIR/MAINT

Subject To Moisture Damage:  Yes  No Source:  Piping  Roof Leak  Sprinkler  Other  
Description: CURRENTLY AFFECTED BY TANK LEAK.

Ventilation:  Yes  Mechanical  Intake  Natural  Exhaust  
Movement:  High  Moderate  Low  Variable  
Description: NATURAL AIR MOVEMENT.  
Potential For Air Erosion:  High  Moderate  Low

Vibration - Potential For Fiber Release:  High  Moderate  Low  
Description: MINIMAL VIBRATION AFFECTING SIG. DAMAGED ACM

**EXPOSURE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Accessibility:  General Population  Tenants  Operations  Routine Maintenance  Repair  
Remarks: AREA ACCESSED FOR MAINT/REPAIR ONLY.

Dust/Debris Present:  Significant  Moderate  Slight  None

Fiber Transport:  None  Air Plenum/Chase  Ductwork  Mechanical Shaft  Elevator/Dumbwaiter  Other  
Description: NONE.

Photographs:  Yes  No No's: \_\_\_\_\_ AHERA Classification Number: 1

ASSESSMENT: 332 RESPONSE: 702 PRIORITY: 73 PERIODIC SURVEILLANCE: SO O&H: 1F /MN: \_\_\_\_\_ /CP: \_\_\_\_\_

Inspector: KENNETH W. HOUSEMAN Certification No.: 93-11-12-23

Signature: Kenneth W. Houseman Date: MAY 13, 1994

Project No. ES111/ - / - / OSB Client: PENN MANOR SCH. DISTRICT. Homog Area: 04  
Building: 9TH GRADE BUILDING. No. 05 Assessment: A

Functional Space(s): BOILER ROOM. Material: PIPE FITTING INSULATION. Amount: 85 Sq.Ft. 85 fittings.

Friability:  Friable  Non-Friable Type:  Surfacing  Thermal Insulation  Misc. Asbestos Content: \_\_\_\_\_

**EXISTING DAMAGE** Rating:  Significantly Damaged  Damaged  No Damage

Physical Damage:  Significant >10%  Damaged <10%  No Damage  
Water Damage:  Significant >10%  Damaged <10%  No Damage  
Deterioration:  Significant >10%  Deteriorated <10%  No Deterioration  
Damage Extent:  Localized  Distributed  Both  
Remarks: DAMAGE DISTRIBUTED THROUGHOUT AREA.

**DAMAGE POTENTIAL** Rating:  Significant Potential  Potential  Low Potential

Fiber Release Deterrent:  None  Sealed Enclosure  Barrier  Encapsulant  
Description: NONE

Accessibility:  Within Normal Reach  Barely Reachable  Not Reachable  
Functional Space Activity: BOILER ROOM

Proximity To Items Requiring Maintenance/Repair: 0 Feet  
Type Of Maintenance/Repair: PIPE MAINT/REPAIR

Subject To Moisture Damage:  Yes  No Source:  Piping  Roof Leak  Sprinkler  Other  
Description: NO LEAKS NOTED.

Ventilation:  Yes  No  Mechanical  Intake  Exhaust  Natural  
Movement:  High  Moderate  Low  Variable  
Description: NATURAL AIR MOVEMENT.  
Potential For Air Erosion:  High  Moderate  Low

Vibration - Potential For Fiber Release:  High  Moderate  Low  
Description: MINIMAL VIBRATION AFFECTING DAMAGED ACM

**EXPOSURE POTENTIAL** Rating:  Significant Potential  Potential  Low Potential

Accessibility:  General Population  Tenants  Operations  Routine Maintenance  Repair  
Remarks: AREA ACCESSED FOR MAINT/REPAIR ONLY.

Dust/Debris Present:  Significant  Moderate  Slight  None

Fiber Transport:  None  Air Plenum/Chase  Ductwork  Mechanical Shaft  Elevator/Dumbwaiter  Other  
Description: NONE

Photographs:  Yes  No No's: \_\_\_\_\_ AHERA Classification Number: 1

ASSESSMENT: 222 RESPONSE: R11 PRIORITY: P2 PERIODIC SURVEILLANCE: S1 C&M: 1F /MN: \_\_\_\_\_ /CP: \_\_\_\_\_

Inspector: KENNETH W. HOUSEMAN Certification No.: 93-11-12-23

Signature: Kenneth W. Houseman Date: MAY 13, 1994



Project No. E8711 - - 05B Client: PEUN MANOR SCH. DISTRICT. Homog Area: 05  
Building: 9<sup>th</sup> GRADE BUILDING. No. 05 Assessment: A

Functional Space(s): CLASSROOMS.  
Material: 9"X9" FLOOR TILE. Amount: 25000 Sq.Ft. \_\_\_\_\_ Lin.Ft. \_\_\_\_\_

Friability:  Friable  Non-Friable Type:  Surfacing  Thermal Insulation  Misc. Asbestos Content: \_\_\_\_\_

**EXISTING DAMAGE**

Rating:  Significantly Damaged  Damaged  No Damage

Physical Damage:  Significant >10%  Damaged <10%  No Damage  
Water Damage:  Significant >10%  Damaged <10%  No Damage  
Deterioration:  Significant >10%  Deteriorated <10%  No Deterioration  
Damage Extent:  Localized  Distributed  Both  
Remarks: NO DAMAGE.

**DAMAGE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Fiber Release Deterrent:  None  Sealed Enclosure  Barrier  Encapsulant  
Description: WAXED.

Accessibility:  Within Normal Reach  Barely Reachable  Not Reachable  
Functional Space Activity: CLASSROOMS

Proximity To Items Requiring Maintenance/Repair: 0 Feet  
Type Of Maintenance/Repair: FLOOR MAINT/REPAIR.

Subject To Moisture Damage:  Yes  No Source:  Piping  Roof Leak  Sprinkler  Other  
Description: NO LEAKS NOTED.

Ventilation:  Yes  No Mechanical  Intake  Exhaust Movement:  High  Moderate  Low  Variable  
Description: NATURAL AIR MOVEMENT.  
Potential For Air Erosion:  High  Moderate  Low

Vibration - Potential For Fiber Release:  High  Moderate  Low  
Description: NO VIBRATION.

**EXPOSURE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Accessibility:  General Population  Tenants  Operations  Routine Maintenance  Repair  
Remarks: AREAS ACCESSIBLE TO ALL PERSONS.

Dust/Debris Present:  Significant  Moderate  Slight  None

Fiber Transport:  None  Air Plenum/Chase  Ductwork  Mechanical Shaft  Elevator/Dumbwaiter  Other  
Description: NONE.

Photographs:  Yes  No No's: \_\_\_\_\_ AHERA Classification Number: 8

ASSESSMENT: 123 RESPONSE: PO PRIORITY: PO PERIODIC SURVEILLANCE: S1 O&M: 3NT/MN /CP: \_\_\_\_\_

Inspector: KENNETH W. HOUSEMAN Certification No.: 93-11-12-23

Signature: Kenneth W. Houseman Date: MAY 13, 1994

Project No. E811/ - / - / 05B Client: PENN MANOR SCH. DISTRICT. Homog Area: 05  
Building: 9TH GRADE BUILDING. No. 05 Assessment: B

Functional Space(s): ADMINISTRATION OFFICES  
Material: 9"x9" FLOOR TILE (UNDER CARPET). Amount: 2000 Sq.Ft. \_\_\_\_\_ Lin.Ft. \_\_\_\_\_

Friability:  Friable  Non-Friable Type:  Surfacing  Thermal Insulation  Misc. Asbestos Content: \_\_\_\_\_

**EXISTING DAMAGE**

Rating:  Significantly Damaged  Damaged  No Damage

Physical Damage:  Significant >10%  Damaged <10%  No Damage  
Water Damage:  Significant >10%  Damaged <10%  No Damage  
Deterioration:  Significant >10%  Deteriorated <10%  No Deterioration  
Damage Extent:  Localized  Distributed  Both  
Remarks: NO DAMAGE

**DAMAGE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Fiber Release Deterrent:  None  Sealed Enclosure  Barrier  Encapsulant  
Description: UNDER CARPET.

Accessibility:  Within Normal Reach  Barely Reachable  Not Reachable  
Functional Space Activity: OFFICES

Proximity To Items Requiring Maintenance/Repair: -0- Feet  
Type Of Maintenance/Repair: CARPET REMOVAL.

Subject To Moisture Damage:  Yes  No Source:  Piping  Roof Leak  Sprinkler  Other  
Description: NO LEAKS NOTED.

Ventilation:  Yes  No  Mechanical  Natural  Intake  Exhaust  
Movement:  High  Moderate  Low  Variable  
Description: NATURAL AIR MOVEMENT.  
Potential For Air Erosion:  High  Moderate  Low

Vibration - Potential For Fiber Release:  High  Moderate  Low  
Description: NO VIBRATION.

**EXPOSURE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Accessibility:  General Population  Tenants  Operations  Routine Maintenance  Repair  
Remarks: AREA ACCESSIBLE TO ALL PERSONS.

Dust/Debris Present:  Significant  Moderate  Slight  None

Fiber Transport:  None  Air Plenum/Chase  Ductwork  Mechanical Shaft  Elevator/Dumbwaiter  Other  
Description: NONE.

Photographs:  Yes  No No's: \_\_\_\_\_ ANERA Classification Number: B

ASSESSMENT: D3/ RESPONSE: PO PRIORITY: PO PERIODIC SURVEILLANCE: S1 GEN: JNT/MN: /CP: \_\_\_\_\_

Inspector: KENNETH W. HOUSEMAN Certification No.: 93-11-12-23

Signature: Kenneth W. Houseman Date: MAY 13, 1994

Project No. E8711 / - / - / 05B Client: PENN MANOR SCH. DISTRICT. Homog Area: 06

Building: 9<sup>th</sup> GRADE BUILDING. No. 05 Assessment: A

Functional Space(s): ROOM # 347  
Material: TRANSITE WALL PANELS. Amount: 350 Sq.Ft. \_\_\_\_\_ Lin.Ft.

Friability:  Friable  Non-Friable Type:  Surfacing  Thermal Insulation  Misc. Asbestos Content: \_\_\_\_\_

**EXISTING DAMAGE**

Rating:  Significantly Damaged  Damaged  No Damage

Physical Damage:  Significant >10%  Damaged <10%  No Damage  
Water Damage:  Significant >10%  Damaged <10%  No Damage  
Deterioration:  Significant >10%  Deteriorated <10%  No Deterioration  
Damage Extent:  Localized  Distributed  Both

Remarks: NO DAMAGE

**DAMAGE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Fiber Release Deterrent:  None  Sealed Enclosure  Barrier  Encapsulant  
Description: PAINTED.

Accessibility:  Within Normal Reach  Barely Reachable  Not Reachable  
Functional Space Activity: CLASSROOM.

Proximity To Items Requiring Maintenance/Repair: 0 Feet  
Type Of Maintenance/Repair: WALL MAINT/REPAIR

Subject To Moisture Damage:  Yes  No Source:  Piping  Roof Leak  Sprinkler  Other  
Description: NO LEAKS NOTED.

Ventilation:  Yes  No  Mechanical  Natural  Intake  Exhaust  
Movement:  High  Moderate  Low  Variable  
Description: NATURAL AIR MOVEMENT.  
Potential For Air Erosion:  High  Moderate  Low

Vibration - Potential For Fiber Release:  High  Moderate  Low  
Description: NO VIBRATION.

**EXPOSURE POTENTIAL**

Rating:  Significant Potential  Potential  Low Potential

Accessibility:  General Population  Tenants  Operations  Routine Maintenance  Repair  
Remarks: AREA ACCESSIBLE TO ALL PERSONS

Dust/Debris Present:  Significant  Moderate  Slight  None

Fiber Transport:  None  Air Plenum/Chase  Ductwork  Mechanical Shaft  Elevator/Dumbwaiter  Other  
Description: NONE.

Photographs:  Yes  No No's: \_\_\_\_\_ AHERA Classification Number: 8

ASSESSMENT: D3 RESPONSE: RO PRIORITY: PO PERIODIC SURVEILLANCE: S1 O&M: 3N /MN: \_\_\_\_\_ /CP: \_\_\_\_\_

Inspector: KENNETH W. HOUSEMAN Certification No.: 93-11-12-23

Signature: Kenneth W. Houseman Date: MAY 13, 1994

## RESPONSE ACTIONS RECOMMENDED

The recommended response actions contained on the following pages are proposed by the Management Planner as the least burdensome method in regard to short term costs sufficient to protect human health and the environment. The recommendations were based, in general on the guidelines included in Section 763.90 of 40 CFR Part 763 Subpart E (ASHERA Regulations).

These recommended response actions should be considered along with concerns for local circumstances, occupancy and use patterns within the building, renovation/addition/demolition plans for the building, and long-term costs. The School District should then select response actions which are at least equal to the recommended response actions in regard to their adequacy to protect human health and the environment.

Priorities for performance of the recommended response actions are defined as follows:

- |           |   |                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immediate | - | the hazard is such in terms of both damage and exposure potential to warrant isolation of the area until abatement can be performed.                                                                                                                                                                                                                                               |
| High      | - | due to damage and a significant potential for exposure, abatement should be performed as soon as possible.                                                                                                                                                                                                                                                                         |
| Medium    | - | due to limited damage or a low frequency of use of these areas by a limited number of personnel, the hazard is such that abatement can take place as part of the normal maintenance and repair cycle of the facility. An operations and maintenance program, including periodic monitoring, should be maintained.                                                                  |
| Low       | - | these areas have minimal damage potential during normal activities. In many cases the ACM is non-friable, relatively inaccessible, or otherwise protected so that fiber release is very unlikely. Periodic monitoring of these areas should continue to ensure that no change in the condition of the ACM takes place. An operations and maintenance program should be maintained. |

008711 Penn Manor School District

BLDG. NO: 05 BUILDING NAME: Ninth Grade Building

RECOMMENDED RESPONSE ACTIONS

Item No.	Area	Asmt No.	Functional Space(s)	Material	Recommended Response Action	Priority of Response	Recommended Periodic Surveillance
----------	------	----------	---------------------	----------	-----------------------------	----------------------	-----------------------------------

01	A		Boiler Room	Breeching Insulation	R0 None	P0 None	S1 Semi-Annual
----	---	--	-------------	----------------------	---------	---------	----------------

REASON FOR RECOMMENDATION:

122 Material is Friable, has No Damage, Potential for damage, and Potential for exposure.

02	A		Boiler Room	Boiler Gaskets	R0 None	P0 None	S1 Semi-Annual
----	---	--	-------------	----------------	---------	---------	----------------

REASON FOR RECOMMENDATION:

122 Material is Friable, has No Damage, Potential for damage, and Potential for exposure.

03	A		Boiler Room	Hot Water Storage Tank	R22 Removal	P3 High	S0 None
----	---	--	-------------	------------------------	-------------	---------	---------

REASON FOR RECOMMENDATION:

322 Material is Friable, has Significant Damage, Potential for damage, and Potential for exposure.

BLDG. NO: 05 BUILDING NAME: Ninth Grade Building

RECOMMENDED RESPONSE ACTIONS [CONTINUED]

Hono. Area No.	Assn't. No.	Functional Space(s)	Material	Recommended Response Action	Priority of Response	Recommended Periodic Surveillance
----------------	-------------	---------------------	----------	-----------------------------	----------------------	-----------------------------------

04	A	Boiler Room	Pipe Fitting Insulation	R11 Repair damaged material	P2 Medium	S1 Semi-Annual
----	---	-------------	-------------------------	-----------------------------	-----------	----------------

REASON FOR RECOMMENDATION:

222 Material is Friable, has Damage, Potential for damage, and Potential for exposure.

05	A	Classrooms	9"x9" Floor Tile	R0 None	P0 None	S1 Semi-Annual
----	---	------------	------------------	---------	---------	----------------

REASON FOR RECOMMENDATION:

123 Material is Non-Friable, has No Damage, Potential for damage, and Significant Potential for exposure.

05	B	Administration Offices	9"x9" Floor Tile	R0 None	P0 None	S1 Semi-Annual
----	---	------------------------	------------------	---------	---------	----------------

REASON FOR RECOMMENDATION:

123 Material is Non-Friable, has No Damage, Potential for damage, and Significant Potential for exposure.

BLDG. NO: 05 BUILDING NAME: Ninth Grade Building

RECOMMENDED RESPONSE ACTIONS [CONTINUED]

Room Area Assmt. No.	Functional Space(s)	Material	Recommended Response Action	Priority of Response	Recommended Periodic Surveillance
06 A	Room No. 347	Transite Wall Panels	R0 None	P0 None	S1 Semi-Annual

REASON FOR RECOMMENDATION:

123 Material is Non-Friable, has No Damage, Potential for damage, and Significant Potential for exposure.

BLDG. NO: 79 BUILDING NAME: Ninth Grade Building

## SELECTED RESPONSE ACTIONS

Homo. Area No.	Asm't No.	Functional Space(s)	Material	Selected Response Action	Schedule for Response
----------------------	--------------	---------------------	----------	-----------------------------	--------------------------

01	A	Boiler Room	Breaching Insulation	R0 None	
----	---	-------------	----------------------	---------	--

## REASON FOR RECOMMENDATION:

122 Material is Friable, has No Damage, Potential for damage,  
and Potential for exposure.

02	A	Boiler Room	Boiler Gaskets	R0 None	
----	---	-------------	----------------	---------	--

## REASON FOR RECOMMENDATION:

122 Material is Friable, has No Damage, Potential for damage,  
and Potential for exposure.

03	A	Boiler Room	Hot Water Storage Tank	R11 Repair damaged material	August, 1994
----	---	-------------	---------------------------	--------------------------------	--------------

## REASON FOR RECOMMENDATION:

322 Material is Friable, has Significant Damage, Potential for damage,  
and Potential for exposure.

04	A	Boiler Room	Pipe Fitting Insulation	R11 Repair damaged material	August, 1994
----	---	-------------	----------------------------	--------------------------------	--------------

## REASON FOR RECOMMENDATION:

222 Material is Friable, has Damage, Potential for damage,  
and Potential for exposure.



008711

13

BLDG. NO: 79 BUILDING NAME: Ninth Grade Building

SELECTED RESPONSE ACTIONS [CONTINUED]

Home Area No.	Assm't. No.	Functional Space(s)	Material	Selected Response Action	Schedule for Response
05	A	Classrooms	9"x9" Floor Tile	RO None	

REASON FOR RECOMMENDATION:

123 Material is Non-Friable, has No Damage, Potential for damage, and Significant Potential for exposure.

05	B	Administration Offices	9"x9" Floor Tile	RO None	
----	---	------------------------	------------------	---------	--

REASON FOR RECOMMENDATION:

123 Material is Non-Friable, has No Damage, Potential for damage, and Significant Potential for exposure.

06	A	Room No. 347	Transite Wall Panels	RO None	
----	---	--------------	----------------------	---------	--

REASON FOR RECOMMENDATION:

123 Material is Non-Friable, has No Damage, Potential for damage, and Significant Potential for exposure.

008711 Penn Manor School District

BLDG. NO: 05 BUILDING NAME: Ninth Grade Building

LIST OF ASBESTOS-CONTAINING MATERIALS

ASBESTOS CONTENT: C - Chrysotile, A - Amosite, CR - Crocidolite, TR - Tremolite, AC - Actinolite  
ASMD - Assumed, ND - None Detected

Homo. Area No.	Assm't. No.	Functional Space(s)	Material	Approx. Amount	Asbestos Content
01	A	Boiler Room	Breeching Insulation	220 S.F.	10% *
02	A	Boiler Room	Boiler Gaskets	50 L.F.	75% *
03	A	Boiler Room	Hot Water Storage Tank	300 S.F.	65% *
04	A	Boiler Room	Pipe Fitting Insulation	85 Fittings	5% *
05	A	Classrooms	9"x9" Floor Tile	25,000 S.F.	3% *
05	B	Administration Offices	9"x9" Floor Tile	2,000 S.F.	3% *
06	A	Room No. 347	Transite Wall Panels	350 S.F.	15% *

\* Sampled by others.

BLDG. NO: 79 BUILDING NAME: Ninth Grade Building

## PERIODIC SURVEILLANCE SCHEDULE

Homo. Area No.	Asm't. No.	Functional Space(s)	Material	Surveillance Schedule	
01	A	Boiler Room	Breeching Insulation	S1	Semi-Annual
02	A	Boiler Room	Boiler Gaskets	S1	Semi-Annual
03	A	Boiler Room	Hot Water Storage Tank	S0	None
04	A	Boiler Room	Pipe Fitting Insulation	S1	Semi-Annual
05	A	Classrooms	9"x9" Floor Tile	S1	Semi-Annual
05	B	Administration Offices	9"x9" Floor Tile	S1	Semi-Annual
06	A	Room No. 347	Transite Wall Panels	S1	Semi-Annual

008711 Penn Manor School District

BLDG. NO: 05 BUILDING NAME: Ninth Grade Building

OPERATIONS & MAINTENANCE PROCEDURES

Homo. Area No.	Assem't No.	Functional Space	Material	Applicable Operations & Maintenance Procedures						
				Code	Monitoring	Cleaning	Operational	Protection	Maintenance	Post-Activity
01	A	Boiler Room	Breeching Insulation	1F	-	H, I	-	A, B	N, P, Q, S, V	X, Y, Z
02	A	Boiler Room	Boiler Gaskets	1F	-	H, I	-	A, B	N, P, Q, S, V	X, Y, Z
03	A	Boiler Room	Hot Water Storage Tank	1F	-	H, I	-	A, B	N, P, Q, S, V	X, Y, Z
04	A	Boiler Room	Pipe Fitting Insulation	1F	-	H, I	-	A, B	N, P, Q, S, V	X, Y, Z
05	A	Classrooms	9"x9" Floor Tile	3NT	-	-	-	A, B	N, Q, R, T, V	X, Y, Z
05	B	Administration Offices	9"x9" Floor Tile	3NT	-	-	-	A, B	N, Q, R, T, V	X, Y, Z
06	A	Room No. 347	Transite Mail Panels	3M	-	-	-	A, B	N, Q, R, V	X, Y, Z

BLDG. NO: 05

BUILDING NAME: Ninth Grade Building

RECOMMENDED RESPONSE ACTION / REMOVAL COST ESTIMATES

Homo. Area No.	Asm't No.	Functional Space(s)	Material	Recommended Response Action	Priority of Response	Response Action Cost Estimate	Removal Cost Estimate
03	A	Boiler Room	Hot Water Storage Tank	R22 Removal	P3 High	\$4,800.00	\$4,800.00
04	A	Boiler Room	Pipe Fitting Insulation	R11 Repair damaged material	P2 Medium	\$400.00	\$3,800.00

TOTAL ESTIMATED RECOMMENDED RESPONSE ACTION COST FOR BUILDING: \$5,200.00

TOTAL ESTIMATED REMOVAL COST FOR BUILDING: \$8,600.00

008711

13

BLDG. NO: 79 BUILDING NAME: Ninth Grade Building

SELECTED RESPONSE ACTION COST ESTIMATES

Homeroom Area No.	Asmt No.	Functional Space(s)	Material	Selected Response Action	Schedule for Response	Estimated Cost
03	A	Boiler Room	Hot Water Storage Tank	R11 Repair damaged material	August, 1994	\$800.00
04	A	Boiler Room	Pipe Fitting Insulation	R11 Repair damaged material	August, 1994	\$400.00
TOTAL ESTIMATED SELECTED RESPONSE ACTION COST ESTIMATE FOR BUILDING:						\$1,200.00