

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

**FRED S. ESHELMAN ELEMENTARY SCHOOL
E8711-05B**

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REINSPECTION SUMMARY

A reinspection for Asbestos-Containing Materials was performed at the Fred S. Eshelman Elementary School, 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 ACBM and are listed under "Homogeneous Areas".

Inspector:

Name: Kenneth W. Houseman

Kenneth W. Houseman
Signature

May 26, 1994
Date

REINSPECTION SUMMARY

A reinspection for Asbestos-Containing Materials was performed at the Fred S. Eshelman Elementary School, 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 ACM and are listed under "Homogeneous Areas".

Inspector:

Name: Don Farrell, II

Don Farrell II
Signature

11-21-94
Date



ASBESTOS CERTIFICATION
DEPARTMENT OF LABOR & INDUSTRY

SEX	HEIGHT	EYES	BIRTHDATE
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M	6'02	HZL	04/01/69
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EXPIRATION DATE	ISSUE DATE/
-----------------	-------------

11/12/94	12/01/93
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CERTIFICATION NUMBER	CLASSES
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001520	05
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KENNETH W HOUSEMAN SR
RR 3 BOX 3083A
WHITE CHURCH ROAD
SEVEN VALLEYS PA 17360

[Signature]
SIGNATURE

NOT APPROVED FOR WORK IN MARYLAND SCHOOLS



BIOSPHERICS® INCORPORATED
12051 Indian Creek Court
Beltsville, Maryland 20705
(301) 419-3500

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. Maury
Instructor

Rachel Riley
Course Director

THIS TRAINEE HAS SUCCESSFULLY PASSED OUR EXAMINATION.



**ASBESTOS CERTIFICATION
DEPARTMENT OF LABOR & INDUSTRY**

SEX	HEIGHT	EYES	BIRTHDATE
M	6.02	GRN	05/29/60
EXPIRATION DATE		ISSUE DATE	
12/08/94		01/11/94	
CERTIFICATION NUMBER	CLASSES		
002247	05		

DONALD L. FARRELL II
1005 FOUNTAIN AVE
LANCASTER PA 17601

Donald L. Farrell II
SIGNATURE

**PENNSYLVANIA ASBESTOS OCCUPATIONS CERTIFICATION
PHOTO ID CARD**

This certification has been issued in accordance with the Asbestos Occupations Accreditation and Certification Act, Act 194-1990. Fraudulently altering, exhibiting or loaning this certification is a serious crime. Violators are subject to prosecution, fine, and cancellation of their Asbestos Occupations Certification card.

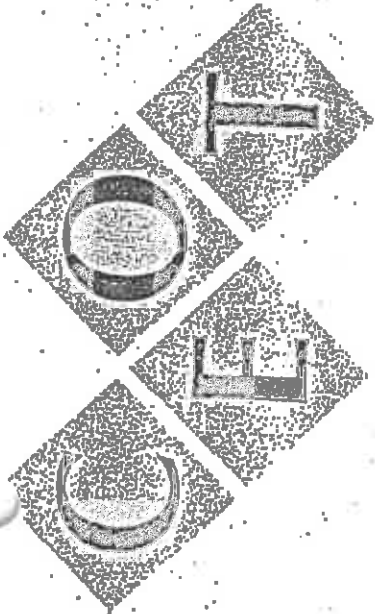
CLASSES OF CERTIFICATION

- | | | |
|---------------|---------------------|-----------------------|
| 1. Worker | 3. Project Designer | 5. Management Planner |
| 2. Supervisor | 4. Inspector | 6. Contractor |

• Within 15 days of change of name and/or address, you are required to notify the Bureau in writing.

• If this certification is found, mail to:

Pennsylvania Department of Labor and Industry
Bureau of Occupational and Industrial Safety
P.O. Box 3465
Harrisburg, PA 17105-3465



Center for Environmental and Occupational Training, Inc.

814 East Pittsburgh Plaza ♦ East Pittsburgh, Pennsylvania 15112

This is to certify that

DONALD L. FARRELL, II

has successfully completed the following course with a passing score of 70 percent or better

ASBESTOS BUILDING INSPECTOR RECERTIFICATION



266-39-4686

Certification Number

DECEMBER 7, 1993

Course Dates

DECEMBER 7, 1993

Exam Date

DECEMBER 8, 1994

Expiration Date

John H. Lange

John H. Lange
Director of Training

D. S. Ginsburg
D. S. Ginsburg, D.M.D., M.H.A.
Course Administrator

008711 Penn Manor School District

BLDG. NO: 04 BUILDING NAME: Fred S. Esheleman Elem. School

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	280 S.F.	Thermal Systems Insulation	Friable	55%CR	*Sampled by Others
02	Pipe Fitting Insulation	Throughout Original (1958) Building	250 Fittings	Thermal Systems Insulation	Friable	15%CR 30%AC	*Sampled by Others
03	Emergency Generator Exhaust Pipe (Transite)	Boiler Room	28 L.F.	Miscellaneous Material	Non-Friable	20%CR 30%CR	*Sampled by Others
04	9'x9" Floor Tile	Classrooms	15,000 S.F.	Miscellaneous Material	Non-Friable	5%CR	*Sampled by Others
05	Transite Boards	Exterior soffits	3,000 S.F.	Miscellaneous Material	Non-Friable	ASMD	*Assumed by Others

008711 Penn Manor School District

BLDG. NO: 04 BUILDING NAME: Fred S. Eshelman Elem. School

HOMOGENEOUS AREAS [CONTINUED]

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).
06	Pink Terrazzo Flooring	Corridors Throughout Building	3,000 S.F.	Miscellaneous Material	Non-Friable	ASMD	.

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: Don Farrell, II

Don Farrell II
Signature

11-21-94
Date

008711 Penn Manor School District

BLDG. NO: 04 BUILDING NAME: Fred S. Eshelman Elem. School

ASSESSMENT REPORT

Homo. Area No.	Asmt No.	Functional Space(s) and Material	Approx. Amount	Assessment Criteria:			AHERA Class.
				Existing Damage	Damage Potential	Exposure Potential	
01	A	Boiler Room Breaching Insulation	280 S.F.	2 Damage	2 Potential	2 Potential	01
02	A	Boiler Room Pipe Fitting Insulation	90 Fittings	1 No Damage	2 Potential	2 Potential	05
02	B	Orig. (1958) Entire Building, Above Suspended Ceilings Pipe Fitting Insulation	156 Fittings	1 No Damage	2 Potential	2 Potential	05
02	C	Kitchen (Near Serving Line) Space Heater Pipe Fitting Insulation	4 Fittings	1 No Damage	2 Potential	3 Significant Potential	05
03	A	Boiler Room Emergency Generator Exhaust Pipe (Transite)	28 L.F.	1 No Damage	2 Potential	2 Potential	08

008711 Penn Manor School District

BLDG. NO: 04 BUILDING NAME: Fred S. Eshelman Elem. School

ASSESSMENT REPORT [CONTINUED]

Homo. Area No.	Assmt. No.	Functional Space(s) and Material.	Approx. Amount	Assessment Criteria:			AHERA Class.
				Existing Damage	Damage Potential	Exposure Potential	
04	A	Classrooms 9"x9" Floor Tile	15,000 S.F.	1 No Damage	2 Potential	3 Significant Potential	08
05	A	Exterior Soffits Transite Boards	3,000 S.F.	1 No Damage	2 Potential	3 Significant Potential	08
06	A	Corridors Throughout Building Pink Terrazzo Flooring	3,000 S.F.	1 No Damage	1 Low Potential	3 Significant Potential	08

Project No. ES711 / - / - / 05B Client: PENN MANOR SCH. DISTRICT. Homog Area: 01
 c/nt div fac proj
 Building: FRED S. ESHELMAN ELEMENTARY. No. 01 Assessment: A

Functional Space(s): BOILER ROOM.
 Material: RPFEECHING INSULATION. Amount: 280 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: MINIMAL DAMAGE AT BOTTOM.

DAMAGE POTENTIAL

Rating: Significant Potential Potential Low Potential

Fiber Release Deterrent: None Sealed Enclosure Barrier Encapsulant
 Description: COVERED & 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 USKs 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: NOTICEABLE VIBRATION AFFECTING MINIMALLY 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: 2001 RESPONSE: R11 PRIORITY: P2 PERIODIC SURVEILLANCE: S1 O&M: 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: 02
Building: FRED S. EBELMAN ELEMENTARY. No. 04 Assessment: A

Functional Space(s): BOILER ROOM. Material: PIPE FITTING INSULATION. Amount: 90 Sq.Ft. FITTINGS

Friability: Friable Non-Friable Type: Surfacing Thermal Insulation Misc. Asbestos Content: 15% C, 30% A

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: QUARANT & 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: PIPE REPAIR/MAINT.

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

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

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

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: 102 RESPONSE: RO PRIORITY: PO PERIODIC SURVEILLANCE: SI O&M: IFA/MN /CP: _____

Inspector: KENNETH W. HOUSEMAN Certification No.: 93-11-12-23
Signature: Kenneth W. Houseman Date: MAY 13, 1994

Project No: E87111-1-105B Client: Penn Manor School District Homog Area: 02
Building: Fred S. Eshelman Elementary No. 04 Assessment: B

Functional Space(s): Original (1958) building, above suspended ceiling
Material: Pipe fitting insulation Amount: Sq. Ft. 156 lin. Ft. fittings

Friability: Friable Non-Friable Type: Surfacing Thermal Insulation Misc. Asbestos Content: 15% C, 30% A

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

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: above suspended ceiling

Proximity To Items Requiring Maintenance/Repair: 47 Feet
Type Of Maintenance/Repair: pipes

Subject To Moisture Damage: Yes No Source: Piping Roof Leak Sprinkler Other
Description:

Ventilation: Yes No Mechanical Natural Intake Exhaust Movement: High Moderate Low Variable
Description: intake louvers at ends of hall

Potential For Air Erosion: High Moderate Low
Vibration - Potential For Fiber Release: High Moderate Low
Description:

EXPOSURE POTENTIAL Rating: Significant Potential Potential Low Potential

Accessibility: General Population Tenants Operations Routine Maintenance Repair
Remarks:

Dust/Debris Present: Significant Moderate Slight None

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

Photographs: Yes No No's: _____ AHERA Classification Number: _____

ASSESSMENT: 1221 RESPONSE: RO PRIORITY: PO PERIODIC SURVEILLANCE: 31 O&M: ZNA/MN /OP: _____

Inspector: Don Farrell IF Certification No.: PA 002247
Signature: Don Farrell Date: 11-21-94

Project No: ES7111-1-105B Client: Penn Manor School District Homog Area: 02
Building: Fred S. Estelman Elementary No. 07 Assessment: C

Functional Space(s): Kitchen (near serving line) space heater
Material: Pipe fitting insulation Amount: _____ Sq. Ft. 4 fittings

Friability: Friable Non-Friable Type: Surfacing Thermal Insulation Misc. Asbestos Content: 15%~~30%~~

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 POTENTIAL Rating: Significant Potential Potential Low Potential

Fiber Release Deterrent: None Sealed Enclosure Barrier Encapsulant
Description: wrapped and painted

Accessibility: Within Normal Reach Barely Reachable Not Reachable
Functional Space Activity: Food preparation

Proximity To Items Requiring Maintenance/Repair: 41 Feet
Type Of Maintenance/Repair: pipes + heater

Subject To Moisture Damage: Yes No Source: Piping Roof Leak Sprinkler Other
Description: may be affected in future by kitchen cooking steam

Ventilation: Yes No Mechanical Natural Intake Exhaust
Movement: High Moderate Low Variable
Description: _____

Potential For Air Erosion: High Moderate Low

Vibration - Potential For Fiber Release: High Moderate Low
Description: _____

EXPOSURE POTENTIAL Rating: Significant Potential Potential Low Potential

Accessibility: General Population Tenants Operations Routine Maintenance Repair
Remarks: reachable to adults in kitchen

Dust/Debris Present: Significant Moderate Slight None

Fiber Transport: None Air Plenum/Chase Ductwork Mechanical Shaft Elevator/Dumbwaiter Other
Description: may pose danger to food intake (if damaged)

Photographs: Yes No No's: _____ AHERA Classification Number: 5

ASSESSMENT: 1231 RESPONSE: P22 PRIORITY: P2 PERIODIC SURVEILLANCE: 52 O&M: INA/MN /OP: _____

Inspector: Don Farrell II Certification No.: PA 002297
Signature: Don Farrell II Date: 11-21-97

Project No. E8711 / - / - / 05B client: PENN MANOR SCH. DISTRICT. Homog Area: 03
clnt div fac proj
Building: FRED S. ESNEUMAN ELEMENTARY. No. 04 Assessment: A

Functional Space(s): BOILER ROOM.
Material: EMERGENCY GENERATOR EXHAUST PIPE (TRANSIT) Amount: _____ Sq.Ft. 28 Lin.Ft.

Friability: Friable Non-Friable Type: Surfacing Thermal Insulation Misc. Asbestos Content: 20% C, 30% CRIC.

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: NODAMAGE.

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: EMER. GEN. EXHAUST REPAIR

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

Ventilation: Yes 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: SIGNIFICANT VIBRATION AFFECTING NON-FRIABLE 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: B

ASSESSMENT: 122 / _____ RESPONSE: PO PRIORITY: PO PERIODIC SURVEILLANCE: SI C&M: 3N /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: 04
Building: FRED S. ESUELMAN ELEMENTARY. No. 04 Assessment: A

Functional Space(s): CLASSROOMS.
Material: 9"X9" FLOOR TILE. Amount: 10000 Sq.Ft. _____ Lin.Ft.

Friability: Friable Non-Friable Type: Surfacing Thermal Insulation Misc. Asbestos Content: 5%_c

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 Natural Intake Exhaust High Low Moderate Variable
Description: NATURAL AIR MOVEMENT
Potential For Air Erosion: High Moderate Low

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

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: R3/ 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. ES711 / - / - / 05B Client: PENN MANOR SCH. DISTRICT. Homog Area: 05
clnt div fac proj
Building: FRED S. ESHELMAN ELEMENTARY. No. 04 Assessment: A

Functional Space(s): EXTERIOR SOFFITS.
Material: TRANSITE PANELS. Amount: 3000 Sq.Ft. _____ Lin.Ft.

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

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: EXTERIOR SOFFITS.

Proximity To Items Requiring Maintenance/Repair: -0' Feet
Type Of Maintenance/Repair: ROOFING 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 Low Moderate Variable
Description: WIND.
Potential For Air Erosion: High Moderate Low

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

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: 20 PRIORITY: 20 PERIODIC SURVEILLANCE: 51 O&M: 3H /MN: _____ /CP: _____

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

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

Project No: 8711/00/00/05B Client: Penn Manor School District Homog Area: 06
Building: Fred S. Estelman Elementary No. 04 Assessment: A

Functional Space(s): Corridors throughout building
Material: Pink terrazo flooring Amount: 3,000 Sq.Ft. Lin.Ft.

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

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 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:

Proximity To Items Requiring Maintenance/Repair: <1 Feet

Type Of Maintenance/Repair: Floors

Subject To Moisture Damage: Yes No Source: Piping Roof Leak Sprinkler Other

Description:

Ventilation: Yes No Mechanical Natural Intake Exhaust Movement: High Moderate Low Variable

Description: movement of bldg. occupants

Potential For Air Erosion: High Moderate Low

Vibration - Potential For Fiber Release: High Moderate Low

Description:

EXPOSURE POTENTIAL

Rating: Significant Potential Potential Low Potential

Accessibility: General Population Tenants Operations Routine Maintenance Repair

Remarks:

Dust/Debris Present: Significant Moderate Slight None

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

Description:

Photographs: Yes No No's: _____

AHERA Classification Number: 8

ASSESSMENT: 113.1 RESPONSE: RRR PRIORITY: P1 PERIODIC SURVEILLANCE: S1 O&M: 3NT/MN /OP: _____

Inspector: Don Farrell II Certification No.: PA 002247

Signature: Don Farrell II Date: 11-21-94

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 (AHERA 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: 04 BUILDING NAME: Fred S. Eshelman Elem. School

RECOMMENDED RESPONSE ACTIONS

Homeroom Area No.	Asmt No.	Functional Space(s)	Material	Recommended Response Action	Priority of Response	Recommended Periodic Surveillance
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01	A	Boiler Room	Breeching Insulation	R11 Repair damaged material	P2 Medium	S1 Semi-Annual
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REASON FOR RECOMMENDATION:

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

02	A	Boiler Room	Pipe Fitting Insulation	R0 None	P0 None	S1 Semi-Annual
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REASON FOR RECOMMENDATION:

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

02	B	Orig. (1958) Entire Building, Above Suspended Ceilings	Pipe Fitting Insulation	R0 None	P0 None	S1 Semi-Annual
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REASON FOR RECOMMENDATION:

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

BLDG. NO: 04 BUILDING NAME: Fred S. Eshelman Elem. School

RECOMMENDED RESPONSE ACTIONS [CONTINUED]

Home Area No.	Assm't. No.	Functional Space(s)	Material	Recommended Response Action	Priority of Response	Recommended Periodic Surveillance
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02	C	Kitchen (Near Serving Line) Space Heater	Pipe Fitting Insulation	R0 None	P0 None	S1 Semi-Annual
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REASON FOR RECOMMENDATION:

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

03	A	Boiler Room	Emergency Generator Exhaust Pipe (Transite)	R0 None	P0 None	S1 Semi-Annual
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REASON FOR RECOMMENDATION:

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

04	A	Classrooms	9"x9" Floor Tile	R0 None	P0 None	S1 Semi-Annual
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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: 04 BUILDING NAME: Fred S. Eshelman Elem. School

RECOMMENDED RESPONSE ACTIONS

Homo. Area No.	Asm't No.	Functional Space(s)	Material	Recommended Response Action	Priority of Response	Recommended Periodic Surveillance
05	A	Exterior Soffits	Transite Boards	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.

06	A	Corridors Throughout Building	Pink Terrazzo Flooring	R99 Sample material to confirm asbestos content	P1 Low	S1 Semi-Annual
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REASON FOR RECOMMENDATION:

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

BLDG. NO: 79 BUILDING NAME: Fred S. Eshelman Elem. School

SELECTED RESPONSE ACTIONS

Homo. Area No.	Asm't No.	Functional Space(s)	Material	Selected Response Action	Schedule for Response
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01	A	Boiler Room	Breeching Insulation	R11 Repair damaged material	August, 1994
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REASON FOR RECOMMENDATION:

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

02	A	Boiler Room	Pipe Fitting Insulation	R0 None	
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REASON FOR RECOMMENDATION:

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

02	B	Orig. (1958) Entire Building, Above Suspended Ceilings	Pipe Fitting Insulation	R0 None	
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REASON FOR RECOMMENDATION:

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

02	C	Kitchen (Near Serving Line) Space Heater	Pipe Fitting Insulation	R0 None	
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REASON FOR RECOMMENDATION:

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

BLDG. NO: 79 BUILDING NAME: Fred S. Eshelman Elem. School

SELECTED RESPONSE ACTIONS

Homo. Area No.	Asm't No.	Functional Space(s)	Material	Selected Response Action	Schedule for Response
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03	A	Boiler Room	Emergency Generator Exhaust Pipe (Transite)	R0 None	-
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REASON FOR RECOMMENDATION:

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

04	A	Classrooms	9"x9" Floor Tile	R0 None	-
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REASON FOR RECOMMENDATION:

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

05	A	Exterior Soffits	Transite Boards	R0 None	-
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REASON FOR RECOMMENDATION:

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

06	A	Corridors Throughout Building	Pink Terrazzo Flooring	R99 Sample material to confirm asbestos content	-
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REASON FOR RECOMMENDATION:

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

BLDG. NO: 04 BUILDING NAME: Fred S. Eshelman Elem. School

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	280 S.F.	55%C *
02	A	Boiler Room	Pipe Fitting Insulation	90 Fittings	15%C * 30%A
02	B	Orig. (1958) Entire Building, Above Suspended Ceilings	Pipe Fitting Insulation	156 Fittings	15%C * 30%A
02	C	Kitchen (Near Serving Line) Space Heater	Pipe Fitting Insulation	4 Fittings	15%C * 30%A
03	A	Boiler Room	Emergency Generator Exhaust Pipe (Transite)	28 L.F.	20%C * 30%CR
04	A	Classrooms	9"x9" Floor Tile	15,000 S.F.	5%C *
05	A	Exterior Soffits	Transite Boards	3,000 S.F.	ASMD *
06	A	Corridors Throughout Building	Pink Terrazzo Flooring	3,000 S.F.	ASMD

Sampled/Assumed by others.

BLDG. NO: 79 BUILDING NAME: Fred S. Eshelman Elem. School

PERIODIC SURVEILLANCE SCHEDULE

Homo. Area No.	Assm't. No.	Functional Space(s)	Material	Surveillance Schedule	
01	A	Boiler Room	Breeching Insulation	S1	Semi-Annual
02	A	Boiler Room	Pipe Fitting Insulation	S1	Semi-Annual
02	B	Orig. (1958) Entire Building, Above Suspended Ceilings	Pipe Fitting Insulation	S1	Semi-Annual
02	C	Kitchen (Near Serving Line) Space Heater	Pipe Fitting Insulation	S1	Semi-Annual
03	A	Boiler Room	Emergency Generator Exhaust Pipe (Transite)	S1	Semi-Annual
04	A	Classrooms	9"x9" Floor Tile	S1	Semi-Annual
05	A	Exterior Soffits	Transite Boards	S1	Semi-Annual
06	A	Corridors Throughout Building	Pink Terrazzo Flooring	S1	Semi-Annual

008711 Penn Manor School District

BLDG. NO: 04 BUILDING NAME: Fred S. Eshelman Elem. School

OPERATIONS & MAINTENANCE PROCEDURES

Homo. Area No.	Assmt No.	Functional Space	Material	Applicable Operations & Maintenance Procedures					Post-Activity	
				Code	Monitoring	Cleaning	Operational	Protection		Maintenance
01	A	Boiler Room	Breeching Insulation	1F	-	H,I	-	A,B	N,P,Q,S,V	X,Y,Z
02	A	Boiler Room	Pipe Fitting Insulation	1F	-	H,I	-	A,B	N,P,Q,S,V	X,Y,Z
02	B	Orig. (1958) Entire Building, Above Suspended Ceilings	Pipe Fitting Insulation	1NA	-	-	-	A,B	N,Q,S,U,V	X,Y,Z
02	C	Kitchen (Near Serving Line) Space Heater	Pipe Fitting Insulation	1NA	-	-	-	A,B	N,Q,S,U,V	X,Y,Z
03	A	Boiler Room	Emergency Generator Exhaust Pipe (Transite)	3N	-	-	-	A,B	N,Q,R,V	X,Y,Z
04	A	Classrooms	9"x9" Floor Tile	3NT	-	-	-	A,B	N,Q,R,T,V	X,Y,Z
05	A	Exterior Soffits	Transite Boards	3N	-	-	-	A,B	N,Q,R,V	X,Y,Z

008711 Penn Manor School District

BLDG. NO: 04 BUILDING NAME: Fred S. Eshelman Elem. School

OPERATIONS & MAINTENANCE PROCEDURES (CONTINUED)

Homo. Area No.	Assmt No.	Functional Space	Material	Applicable Operations & Maintenance Procedures						
				Code	Monitoring	Cleaning	Operational	Protection	Maintenance	Post-Activity
06	A	Corridors Throughout Building	Pink Terrazzo Flooring	3NT				A, B	N, O, R, T, V	X, Y, Z

BLDG. NO: 04

BUILDING NAME: Fred S. Eshelman Elem. School

RECOMMENDED RESPONSE ACTION / REMOVAL COST ESTIMATES

Homeroom Area No.	Asmt No.	Functional Space(s)	Material	Recommended Response Action	Priority of Response	Response Action Cost Estimate	Removal Cost Estimate
01	A	Boiler Room	Breaching Insulation	R11 Repair damaged material	P2 Medium	\$1,000.00	\$0.00

TOTAL ESTIMATED RECOMMENDED RESPONSE ACTION COST FOR BUILDING: \$1,000.00

TOTAL ESTIMATED REMOVAL COST FOR BUILDING: \$0.00

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BLDG. NO: 79 BUILDING NAME: Fred S. Eshelman Elem. School

SELECTED RESPONSE ACTION COST ESTIMATES

Homop. Area No.	Asm't No.	Functional Space(s)	Material	Selected Response Action	Schedule for Response	Estimated Cost
01	A	Boiler Room	Breaching Insulation	R11 Repair damaged material	August, 1994	\$1,000.00

TOTAL ESTIMATED SELECTED RESPONSE ACTION COST ESTIMATE FOR BUILDING: \$1,000.00