

# **TEOC**

**T**illotson **E**nvironmental **O**ccupational **C**onsulting

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## **OWOSSO PUBLIC SCHOOLS**

### **CENTRAL ELEMENTARY SCHOOL 600 W. OLIVER ST.**

### **INSPECTION/MANAGEMENT PLAN**

**APRIL 2014**



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## Owosso Public Schools Damage Report (All types)

**Bentley:** Wear on 9"x9" VAT at desk in utility room #108. Replace worn tiles with non-ACM material promptly.

**Bryant:** ACM debris in crawlspace entry area from boiler room. Needs cleaning promptly.

**Central:** TSI in 2nd floor attic above hallway at north access. Small damaged area, immediately adjacent to access ladder, on air-cell. Repair needed promptly.

**Emerson:**

1. ACM debris on west end of boiler #1 -- ~ 5' above floor - boiler room. Needs cleaning promptly.
2. Room 103 damage to sprayed-on ACM ceiling SE corner above light. ~1" piece dangling, removal and encapsulation **urgently** necessary.
3. Two ~ one inch damaged spots on sprayed on ceiling-- North end of 1st floor hallway near room 100. Encapsulate damaged areas promptly.
4. Stain on sprayed on ceiling -- North end of 2nd floor hallway near room 200. Monitor that area of ceiling for further deterioration.

**Roosevelt:** Large area of sprayed on ceiling missing (~ 30 ft. sq.) at North end of main hallway. Broken, potentially crumbly edge needs encapsulation promptly.

### **Owosso Middle School:**

1. Band room 120 has 2 areas of damaged VAT-- West side of room. Replace damaged tiles with non-ACM material promptly.
2. East stage storage room has ACM contamination on water pipe near valve. Cleaning needed **urgently**.
3. Pump room in basement has damaged TSI (elbow) overhead and debris on floor -- SW corner. Floor must be cleaned and elbow repaired or abated promptly.
4. Elbow wrapping loosened overhead along South wall. Rewrap promptly
5. Damage to TSI on valve tagged "22" North end of storage tunnel. Repair promptly.

**Owosso High School:** Loose Tiles as follows: Replace with non-ACM material promptly.

Band room -- ~ 3" south of podium

Room 306 -- small cluster ~ 20' from SE corner toward center of room



small cluster ~ 15' from NW corner toward center of room

**Lincoln:** No ACM found

**Administration Building:** TSI good condition in Furnace room -- VAT good condition

**Cedar Street Warehouse:** ~ 20 Lf of TSI near restroom -- open ends and school equipment laying on top of. ABATEMENT NEEDED

**Bus garage:** No ACM

**Vehicle repair/warehouse:** No ACM

**Willman field:** No ACM





## Owosso Public School Miscellaneous Report

**Bentley:** 9" x 9" VAT plus Mastic 10,360 Ft. sq.  
Fire doors -- Yes

**Bryant:** 9" x 9" VAT plus Mastic 23,500 Ft. sq.  
Fire doors -- Yes

**Central:** 9" x 9" VAT plus Mastic 13,630 Ft.sq.  
Fire doors -- Yes

**Emerson:** 9" x 9" VAT plus Mastic 22,200 Ft.sq.  
Fire doors -- Yes

**Roosevelt:** 9" x 9" VAT plus Mastic 3,545 Ft. sq.  
Fire doors -- Yes

**Washington:** 9" x 9" VAT plus Mastic 15,720 Ft. sq.  
Fire doors -- Yes

**O.M.S.:** 9" x 9" VAT plus Mastic 21,000 Ft. sq.  
Fire doors -- Yes

**O.H.S.:** 9" x 9" VAT plus Mastic 85,000 Ft. sq.  
Fire doors -- Yes

**Lincoln:** Fire doors -- Yes

**Administration:** 9" x 9" VAT plus Mastic 150 Ft. sq.  
Fire doors -- Yes

**Cedar Street Warehouse:** Fire doors -- Yes

**Bus Garage:** Fire doors -- Yes

**Vehicle Repair:** Fire doors -- Yes



## Owosso Public School Surfacing Report

**Bentley:** No surfacing

**Bryant:** 1957 addition ~ 12,200 Ft. sq.

**Central:** No surfacing

**Emerson:** ~ 6800 Ft. sq.

**Roosevelt:** ~ 1500 Ft. sq. East - West hallway

**Washington:** No surfacing

**O.M.S.:** No surfacing

**O.H.S.:** No surfacing

**Lincoln:** No surfacing

**Administration Building:** No surfacing

**Cedar Street Warehouse:** No surfacing

**Bus Garage:** No surfacing

**Vehicle Repair:** No surfacing



## Owosso Public School TSI Report

**Bentley:** No TSI

**Bryant:** No TSI

**Central:** TSI above 2nd floor hallway in attic, damaged at north end  
TSI running vertically to 2nd floor in 1st floor chases, between hall and classrooms

Total -- 350 Lf. good condition Non-friable

**Emerson:** No TSI

**Roosevelt:** No TSI

**Washington:** No TSI

**Owosso Middle School:** TSI throughout building

Storage tunnel -- ~ 10 fittings

Pump room basement --

~ 30 fittings - 4 need repair and 1 damaged needing abatement

Tank insulation ~ 20 Ft. sq.

Storage room basement -- ~ 5 fittings

Gymnasium -- ~ 10 fittings

Attic -- 90 Lf. Air cell per 3/1/88 inspection.

Total -- 145 Lf. good condition Non-friable

**Owosso High School:** TSI throughout building

North Cafeteria Mech. room -- 7 fittings

South Cafeteria Mech. room -- 2 fittings

Storage SW of Cafeteria -- 5 Lf. on/in wall

Office restroom pipechase -- 1 fitting

400 wing Attic -- 1 roof drain (fitting)

400 wing Janitors closet -- 6 fittings

100 wing Attic -- ~ 2 fittings

100 wing Janitors closet -- ~ 4 fittings

200 wing Attic -- ~ 2 fittings

200 wing Janitors closet -- ~ 6 fittings

Auditorium stroage -- 1 fitting

Maintenance workshop -- 1 fitting

Total -- 38 Lf. good condition



**Lincoln:** No TSI

**Administration Building:** ~ 27 fittings in and around Furnace room

**Cedar Street Warehouse:** ~ 20 Lf. on pipe beside and above restroom

**Bus Garage:** No TSI

**Vehicle Repair:** No TSI

**Willman Field:** No TSI





## Appendix A

### Definitions

This appendix defines terms used in this guidance document. The definitions are taken from 763.83 of the Asbestos-Containing Materials in Schools Rule, published in the October 30, 1987 Federal Register at 40 CFR Part 763. When in doubt about the definition of any term, refer to either this appendix, or 763.83 of the rule.



1. "Accredited" or "accreditation" when referring to a person or laboratory means that such person or laboratory is accredited in accordance with section 206 of Title II of the Act (AHERA).
2. "Asbestos" means the asbestiform varieties of: Chrysotile (serpentine); crocidolite(riebeckite); amosite (cummingtonitegrunerite); anthophyllite; tremolite; and actinolite.
3. "Asbestos-containing material" (ACM) when referring to school buildings means any material or product which contains more than 1 percent asbestos.
4. "Asbestos-containing building material" (ACBM) means surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of a school building.
5. "Damaged friable miscellaneous ACM" means friable miscellaneous ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation or crumbling of the ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage, significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.
6. "Damaged friable surfacing ACM" means friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage, significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

7. "Damaged or significantly damaged thermal system insulation ACM" means thermal system insulation ACM on pipes, boilers, tanks, ducts, and other thermal system insulation where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, waterstained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional water damage on the protective covering/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.

8. "Friable" when referring to material in a school building means that the material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized, or reduced to powder by hand pressure.

9. "Homogeneous area" means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture.

10. "Local education agency" means:

(1) Any local educational agency as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 3381).

(2) The owner of any non-public, nonprofit elementary, or secondary school building.

(3) The governing authority of any school operated under the defense dependents' education system provided for under the Defense Dependents' Education Act of 1978 (20 U.S.C. 921, et seq.).

11. "Miscellaneous material" means interior building material on structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

12. "Non friable" means material in a school building which when dry may not be crumbled, pulverized, or reduced to powder by hand pressure.

13. "Potential damage" means circumstances in which:

(1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

(2) There are indications that there is reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

14. "Potential significant damage" means circumstances in which:

(1) Friable ACBM is in area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

(2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

(3) The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or, under certain circumstances, vibration or air erosion.

15. "Preventive measures" means actions taken to reduce disturbance of ACBM or otherwise eliminate the reasonable likelihood of the materials becoming damaged or significantly damaged.

16. "Response action" means a method, including removal, encapsulation, enclosure, repair, operations and maintenance, that protects human health and the environment from friable ACBM.

17. "School building" means:

(1) Any structure suitable for use as a classroom, including a school facility such as a laboratory, library, school eating facility, or facility used for the preparation of food.

(2) Any gymnasium or other facility which is specially designed for athletic or recreational activities for an academic course in physical education.

(3) Any other facility used for the instruction or housing of students or for the administration of educational or research programs.

(4) Any maintenance, storage, or utility facility, including any hallway, essential to the operation of any facility described in this definition of "school building" under paragraph (1), (2), or (3).

(5) Any portico or covered exterior hallway or walkway.

(6) Any exterior portion of a mechanical system used to condition interior space.

18. "Significantly damaged friable miscellaneous ACM" means friable miscellaneous ACM where the damage is extensive and severe.

19. "Significantly damaged friable surfacing ACM" means damaged friable surfacing ACM in a functional space where the damage is extensive and severe.

20. "Surfacing material" means material in school building that is sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surface for acoustical, fireproofing, or other purposes.

21. "Thermal system insulation" means material in a school building applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**ASBESTOS MANAGEMENT PLAN**

**LEA Information**

1. Local Education Agency (LEA) Name

OWOSSO PUBLIC SCHOOLS

2. LEA Address

Street	City	Zip
645 ALGER ST.	OWOSSO	48867

3. LEA Designated Person

Last	First	M.I.
HOCK	DAN	

4. Designated Person Address (If Different than LEA Address)

Street	City	Zip

5. Designated Person Telephone Number

989-666-0129

6. Designated Person Training Information

TEOC DESIGNATED PERSON TRAINING - MAY 7, 2003





*Training was conducted in accordance with  
the requirements of 40 CFR 763 (AHERA) Appendix C  
and Michigan Act 440, PA 1988*

CERTIFICATE NO. DP03050701

TILLOTSON ENVIRONMENTAL OCCUPATIONAL CONSULTING

presents this certificate to:

DAN HOCK/SS# 377-66-0321

Dated:

MAY 7, 2003

*for successful completion of the course and examination for:*

**AHERA DESIGNATED PERSON TRAINING**

EXPIRATION DATE: N/A



MICHAEL R. TILLOTSON, CIH, CHMM

16262 Chandler Road Suite 101  
East Lansing, Michigan 48823  
517-324-0500



LEA Designated Person

It is the responsibility of each school district to designate a person who will be responsible for seeing that AHERA requirements are carried out. This person would need to:

1. Understand the requirements of AHERA (see section on LEA requirements sheet).
2. Be in a position to know of financial resources that might be available and procurement procedures.
3. Be able to make decisions regarding response actions.
4. Know and direct what to do in the event of a fiber release episode of ACM. He/she must file the required records of the incident.
5. Review the inspection, the management plan report, provide the necessary input to the management planner, and submit the final draft of the plan to the State.
6. Be responsible for seeing that the management plan is updated as required by AHERA.
7. Have adequate training to carry out the above and have knowledge of:
  - (i) Health affects of asbestos.
  - (ii) Detection, identification and assessment of ACM.
  - (iii) Options for controlling asbestos.
  - (iv) Asbestos management programs.
  - (v) Relevant Federal and State regulations concerning asbestos, including those in AHERA subpart E, OSHA, U.S. Dept. of Labor, U.S. Dept. of Transportation, and in U.S. EPA regulations.

These requirements for the Designated Person are according to an interpretation of AHERA in general and specifically Subpart E 763.84(g)(2).

Owosso Public Schools (LEA) has designated the following individual to be the LEA's Designated Person.

Donald W. Leveille	Dir. of Business Operations	(517) 723-8131
<u>Name</u>	<u>Title</u>	<u>Tel. no.</u>
P.O. Box 340	Owosso	MI 48867
<u>Address</u>	<u>City</u>	<u>State</u> <u>Zip</u>

The following training course was taken by the Designated Person to meet the requirements outlined above.

Course name: Two (2) hour Asbestos Abatement Safety and Health. Will complete a Designated Person Course in the near future. Has read the Federal Register dated 10/10/87 and meet the above requirements.

Date(s) attended: \_\_\_\_\_ Hours of instruction: \_\_\_\_\_  
Conducted by: (include address)



CONFLICT OF INTEREST STATEMENT

According to AHERA section 763.84 (h) "Consider whether any conflict of interest may arise from the interrelationship among accredited personnel and whether that should influence the selection of accredited personnel to perform activities under this subpart."

I, as the school's Designated Person, in consultation with other officials of the LEA, have considered the possible conflict of interest as stated in the above section and have come to the following conclusion:

-----

[A] (No significant conflict of interest found.)

We have deemed that because of the bidding/selection process used by our district, there is no significant conflict of interest in retaining Trust Thermal Systems to do the inspection and develop the management plans for the LEA and considering their bid in the future, if they should choose to bid on work arising out of response actions.

Donald W. Sewall      Dir. of Business Operations      1/12/88  
Signature    Title    Date

-----

[B] (Potential for significant conflict of interest.)

We feel that a significant potential for conflict of interest exists in having Trust Thermal Systems bid on work arising from future response actions, and therefore we would not accept any bids from them for work related to response actions under AHERA.

-----  
Signature    Title    Date

2





# TRUST THERMAL SYSTEMS

10445 Wright Rd. • Eagle, Michigan 48822 • (517) 626-6791

September 13, 1988

Don Leveille  
Owosso Public Schools  
1405 W. North St.  
Owosso, MI 48867

## Financial Considerations regarding the Asbestos Management Plan for the Owosso Public Schools

I, as the Designated Person, have read the recommendations for all of our buildings as supplied to us by our management planner. I have considered that the LEA has or will have at the appropriate time, the financial resources needed to accomplish the recommendations (includes reinspection, O & M, and training (form 93H)).

*Donald W. Leveille*

Don Leveille

*9/16/88*

date

Start Where will you go when you die? Heaven or hell? You can know for sure where you will go. Do you want to know? There is a way. Realize first that you are a sinner - not just a mistake-maker but a sinner. For all have sinned and are short of the glory of God.

comes to Him? For as many as received Him to them He gave the power to become sons of God even to those who believe in His name. John 1:12. Trust in Him and He will save you. I would love to share with you what Christ has done in my life. Mention it the next time that I am in contact with you.





LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
1	BENTLEY ELEMENTARY SCHOOL

Building Address

Street	City	Zip
1375 W. NORTH ST.	OWOSSO	48867

Building Contains:

- 1. Friable ACBM
- 2. Non-Friable ACBM
- 3. Friable Material Assumed to be ACM
- 4. Non-Friable Material Assumed to be ACM
- 5. None of the Above

SB#	School Building Name
2	BRYANT ELEMENTARY SCHOOL

Building Address

Street	City	Zip
925 HAMPTON ST.	OWOSSO	48867

Building Contains:

- 1. Friable ACBM
- 2. Non-Friable ACBM
- 3. Friable Material Assumed to be ACM
- 4. Non-Friable Material Assumed to be ACM
- 5. None of the Above



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
3	CENTRAL ELEMENTARY SCHOOL

Building Address

Street	City	Zip
600 W. OLIVER ST.	OWOSSO	48867

Building Contains:

- |                                       |                                     |   |                                     |
|---------------------------------------|-------------------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input checked="" type="checkbox"/> | 2. Non-Friable ACBM                       | <input checked="" type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/>            | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/>            |   |                                     |

SB#	School Building Name
4	EMERSON ELEMENTARY SCHOOL

Building Address

Street	City	Zip
515 E. OLIVER ST.	OWOSSO	48867

Building Contains:

- |                                       |                                     |   |                                     |
|---------------------------------------|-------------------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input checked="" type="checkbox"/> | 2. Non-Friable ACBM                       | <input checked="" type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/>            | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/>            |   |                                     |



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
5	ROOSEVELT EARLY ELEMENTARY SCHOOL

Building Address

Street	City	Zip
201 N. BROOKS ST.	OWOSSO	48867

Building Contains:

- 1. Friable ACBM
- 2. Non-Friable ACBM
- 3. Friable Material Assumed to be ACM
- 4. Non-Friable Material Assumed to be ACM
- 5. None of the Above

SB#	School Building Name
6	WASHINGTON/LINCOLN/ADMIN. SCHOOLS

Building Address

Street	City	Zip
515 E. OLIVER ST.	OWOSSO	48867

Building Contains:

- 1. Friable ACBM
- 2. Non-Friable ACBM
- 3. Friable Material Assumed to be ACM
- 4. Non-Friable Material Assumed to be ACM
- 5. None of the Above



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
7	OWOSSO MIDDLE SCHOOL

Building Address

Street	City	Zip
219 WATER ST.	OWOSSO	48867

Building Contains:

1. Friable ACBM  2. Non-Friable ACBM   
3. Friable Material Assumed to be ACM  4. Non-Friable Material Assumed to be ACM   
5. None of the Above

SB#	School Building Name
8	OWOSSO HIGH SCHOOL

Building Address

Street	City	Zip
765 E. NORTH	OWOSSO	48867

Building Contains:

1. Friable ACBM  2. Non-Friable ACBM   
3. Friable Material Assumed to be ACM  4. Non-Friable Material Assumed to be ACM   
5. None of the Above





LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
9	OLD ADMINISTRATION/STORAGE BUILDING

Building Address

Street	City	Zip
1405 W. NORTH ST.	OWOSSO	48867

Building Contains:

- |                                       |                                     |   |                                     |
|---------------------------------------|-------------------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input checked="" type="checkbox"/> | 2. Non-Friable ACBM                       | <input checked="" type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/>            | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/>            |   |                                     |

SB#	School Building Name
10	CEDAR ST. MAINTENANCE/WAREHOUSE

Building Address

Street	City	Zip
1310 CEDAR ST.	OWOSSO	48867

Building Contains:

- |                                       |                                     |   |                                     |
|---------------------------------------|-------------------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input checked="" type="checkbox"/> | 2. Non-Friable ACBM                       | <input type="checkbox"/>            |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/>            | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/>            |   |                                     |



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
11	TRANSPORTATION CENTER/BUS GARAGE

Building Address

Street	City	Zip
630 JEROME ST.	OWOSSO	48867

Building Contains:

1. Friable ACBM  2. Non-Friable ACBM   
3. Friable Material Assumed to be ACM  4. Non-Friable Material Assumed to be ACM   
5. None of the Above

SB#	School Building Name
12	VEHICLE REPAIR/WAREHOUSE

Building Address

Street	City	Zip
208 CASS ST.	OWOSSO	48867

Building Contains:

1. Friable ACBM  2. Non-Friable ACBM   
3. Friable Material Assumed to be ACM  4. Non-Friable Material Assumed to be ACM   
5. None of the Above



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
13	WILLMAN FIELD

Building Address

Street	City	Zip
630 JEROME ST.	OWOSSO	48867

Building Contains:

- 1. Friable ACBM
- 2. Non-Friable ACBM
- 3. Friable Material Assumed to be ACM
- 4. Non-Friable Material Assumed to be ACM
- 5. None of the Above

SB#	School Building Name
	L

Building Address

Street	City	Zip

Building Contains:

- 1. Friable ACBM
- 2. Non-Friable ACBM
- 3. Friable Material Assumed to be ACM
- 4. Non-Friable Material Assumed to be ACM
- 5. None of the Above



LEA Name

OWOSSO PUBLIC SCHOOLS

### Notification Procedures

SB#(s) Covered

ALL

Notification Procedures

OWOSSO PUBLIC SCHOOLS SENDS THE NOTIFICATION OUT IN THE SCHOOL NEWSLETTER AND/OR ARTICLE IN THE OWOSSO PAPER





LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Pre-AHERA Inspection Building Description

1. Date of Inspection

6/5/1985 & 3/19/1986

2. Building Description/Homogeneous Area Location

SEE ATTACHED - SURFACING AND THERMAL DOCUMENTATION

AVAILABLE IN  
MANAGEMENT PLAN  
ADMIN. OFFICE



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Inspector and Building Data**

1. Date of Inspection

FEBRUARY 1988

2. Inspector Name

Last

First

M.I.

TANNER

TIM

3. Inspector Signature

Date

SEE ATTACHED

FEB 1988

4. State of Accreditation

MI

5. Accreditation Number

B1031

6. Building Name

ALL

7. Building Address

Street

City

Zip

SEE ATTACHED

8. Local Education Agency (LEA) Name

OWOSSO PUBLIC SCHOOLS

9. LEA Address

Street

City

Zip

645 ALGER ST.

OWOSSO

48879




Managment Plan Cover Sheet

Name of Planner: Tim Tanner

Accreditation # 00852 University of Illinois

AHERASec 763.93 (e) (12). Michigan is in the process of adopting a contractor accreditation plan. In the interim, the consultants listed in theis report have been accredited in accordance with the University of Illinois, School of Public Health, Midwest Asbestost Information Center training as recognized by Region V EPA.

  
-----  
signature

5-4-88  
-----  
date



The University of Illinois at Chicago  
School of Public Health

MIDWEST ASBESTOS INFORMATION CENTER

Certifies that

TIMOTHY A. TANNER

Has Attended the Continuing Education Course

BUILDING INSPECTION

and Successfully Passed the Competency Exam



Date of Issuance    JANUARY 7, 1988

Date of Expiration    JANUARY 7, 1989

*Audrey K. Jordan*

Director  
Continuing Education

*Joan A. Swody MD*

Dean  
School of Public Health





The University of Illinois at Chicago  
School of Public Health

**MIDWEST ASBESTOS INFORMATION CENTER**



Certifies that

TIMOTHY A TANNER

Has Attended the Continuing Education Course  
MANAGEMENT PLANNING  
and Has Passed the Course Examination

DATE OF ISSUANCE

JANUARY 5, 19 88

DATE OF EXPIRATION

JANUARY 5, 1989

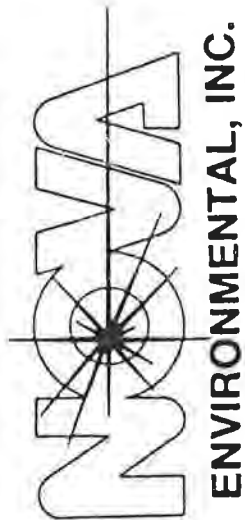
*Audrey Gordon*

Director  
Continuing Education and Public Services

*Jack A Swody MD*

Dean  
School of Public Health





*This Certifies That*

TIMOTHY TANNER

*has successfully completed the*

INSPECTOR & MANAGEMENT PLANNER REFRESHER COURSE

*Given in accordance with 40 CFR, Part 763 of the AHERA Standard*

*Date of Reaccreditation Training:* 12-15-88

*Expiration Date:* 12-15-89

*Original Certificate Number:* 11031, MP00852

*Barry C. Smith*  
President, Nova Environmental, Inc.

*[Signature]*  
Instructor



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
 CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
 AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Homogeneous Area Report**

Homogeneous Area (HA) Name	HA#	F/NF	K/A/N	Classification SM/TSI/MM	Size SF/LF
SEE ATTACHED					



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
 CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
 AHERA MANAGEMENT PLAN

LEA NAME

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**FUNCTIONAL SPACE**

SEE ATTACHED FOR LOCATIONS OF HA's

Functional Space (FS) Name

Homogeneous Area	HA#	F/NF	K/A/N	Classification SM/TSI/MM

Functional Space (FS) Name

Homogeneous Area	HA#	F/NF	K/A/N	Classification SM/TSI/MM





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Sampling Log

HA#	Sample #	Sample Date	Analysis Date	Analysis Results
SEE ATTACHED				

Note: Attach Copies of Analysis Reports



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Sample Location Determination

1. Describe Manner Used to Determine Sample Locations

THE PINK BOOK WAS USED AS A FRAMEWORK FOR RANDOM DISTRIBUTION SAMPLING - CLASS CONTENT ALSO

2. Inspector Name

Last	First	M.I.
TANNER	TIM	

3. Inspector Signature

Inspector Signature	Date
SEE ATTACHED	FEB 1988

4. State of Accreditation

MI

5. Accreditation Number

B1030



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Sample Locator**

HA#

Sample #

Exact Sample Location

SEE ATTACHED DIAGRAMS FOR SAMPLE LOCATIONS

HA#

Sample #

Exact Sample Location

HA#

Sample #

Exact Sample Location



ABBREVIATION SHEET FOR  
OWOSSO PUBLIC SCHOOLS

ACM - Asbestos containing material  
ACBM - Asbestos containing building material  
ACPW - Air cell paper wrap  
APW - Asbestos paper wrap  
AS ACM - Assumed ACM  
BJ - Boiler Jacket  
Dam - damaged condition  
El - Elbows ( includes Tee's)  
Fr - friable  
FGPW - Fiberglass pipe wrap  
FBPW - Fiberboard pipe wrap  
GC - good condition  
JC - janitor closet  
K - Kiln  
ND - Not damaged  
ND on bulk sample sheet - none detected  
NF - Not friable  
PC - pipe chase  
PD - potential damage  
PW - pipe wrap  
PSD - potential for significant damage  
R - riser with pipe wrap  
SD - significant damage  
SUS - suspect  
SUR - surfacing material  
Th - Thermal insulation  
OHS - Owosso High School  
OJH - Owosso Jr. High  
ORE - Roosevelt Elementary  
OCE - Central School  
OEE - Emerson Elementary  
OBE - Bentley Elementary  
OBRE - Bryant Elementary  
OWE - Washington Elementary  
OLE - Lincoln Elementary  
OMW - Maintenance/Warehouse Building  
OAM - Administration  
RR - Restroom





OWOSSO PUBLIC SCHOOL 1 OF 3

INSPECTION OF  
OWOSSO PUBLIC SCHOOLS  
AS PER AHERA

Building Inspected:  
Central School  
600 W Oliver St Owosso MI 48867  
Built:1950  
Square Footage:43,780

This building was inspected by Tim Tanner, #B1031, of Trust Thermal Systems. The inspection was done on February 25, 1988.



All PW and E1 AS-ACM unless FGPW per age of the building and school preference.

The building is divided into three main areas: Area #1-Basement; Area #2-First Floor; Area #3-Second Floor.

AREA #1 - BASEMENT

Boiler Room

- 2 BJ AS-ACM, #1-256 sq ft, #2-256 sq ft, NF, GC except:
  - \* - Both sides of BJ#2 are pulling away from boiler, Fr, Repair or remove
- HWT jacket 200 sq ft, AS-ACM, NF, GC
- 250 lin ft ACPW, 50 E1, AS-ACM, NF GC except:
  - \* - 1 pipe and E1 behind boiler #2 repair
  - \* - 1 open tee above boiler #2 repair or remove
- gr troweled-on plaster ceiling, 400 sq ft, SUSACM, NF GC, OCEB-36
- 300 sq ft gr troweled-on ceiling, SUSACM, NF, GC, Sample OCEB-37

Janitor Office/Storage Area

Crawlspace South

- There is 400 lin ft of PW AS-ACM, NF, GC
- \* --- 5 boxes @12 ACPW stored here AS-ACM, Fr, Remove or enclose
- \* --- 25 open ends PW & E1, AS-ACM Fr, encapsulate

Crawlspace North

- There is 295 lin ft of PW, AS-ACM, NF GC
- \* --- 18 open ends PW & E1, AS-ACM Fr, encapsulate

Fan Room/Electrical Room

- 14 lin ft PW, AS-ACM, NF, GC

AREA #2 - FIRST FLOOR

- 336 lin ft PW 65 E1 AS-ACM, NF, GC, except:
  - \* - PC by boys rr, 21 E1 & 25 lin ft ACPW, w/5 E1 needing repair, Fr
  - \* - PC by girls rr, 5 E1 & 20 lin ft PW encapsulate ends
  - \* - Stage area S. air handling unit, 1 large E1 encapsulate
  - \* - S air handling unit where pipes go through floor is open PW, encapsulate
- Hard Plaster (homogeneous to whole building) was found in these areas, SUSACM, NF, GC: samples OCE-31,33,34,35,37
  - Storage area E. ceiling-152 sq ft
  - Teacher lounge and hallway ceiling-332 sq ft
  - Teachers rr ceiling, 48 sq ft
  - Kitchen wall and ceiling 528 sq ft
  - Girls rr ceiling-360 sq ft
  - Office area walls and ceiling 780 sq ft
  - Rms 105&106 center wall between-194 sq ft
  - Boys rr ceiling-360 sq ft
  - Exit ceiling area-224 sq ft
  - SE. wall of balcony in media ctr-200 sq ft
  - Under stage area 1,620 sq ft ceiling



OWOSSO PUBLIC SCHOOL 3 OF 3

--- Ceiling tile in hallwy and classrms, 6,144 sq ft, SUSACM, NF, GC,  
Sample OCE-32

--- Drywall compound was found in these areas SUSACM, NF, GC:  
-- gym windows which were blocked up-7,025 sq ft  
-- By doorway to media ctr AV rm under balcony-200 sq ft  
-- Both homogeneous areas done about the same time  
Sample OCE-35 taken from media ctr

AREA #3 - SECOND FLOOR

--- All PW & E1 AS-ACM, NF, GC, all running above the ceiling. Check  
map: Boys and girls PC each have 15 E1, 20-25 lin ft PW

--- Hard Plaster (homogeneous to whole building) was found here,  
SUSACM, NF, GC:

- Rm 209, N. wall, 240 sq ft
- Girls rr -264 sq ft
- Boys rr -264 sq ft
- Teachers lounge and rr-264 sq ft

SPECIAL NOTES:

1. All floor tile AS-ACM, NF, GC, 13,646 sq ft see Floor Tile Sheet



## FLOOR TILE INFORMATION SHEET

Trust Internal Systems, 10445 Wright Road, Eagle, Michigan 48922

Please identify all areas in each building that contain 9x9 or 12x12 inch floor tile. (If it is easier to identify the areas that do not contain floor tile, you may do so, but please clearly label it as such).

Building: Washington Elementary, 645 Alger, Owosso, MI 48867

<u>9" Tile Sq. Ft. 607</u>	<u>12" Tile Sq. Ft. 3450</u>	<u>12 x 6 Tile Sq. Ft. 11660</u>
S. & E. Entrance	Room 4, 5, 6, 7, 8	Room 101, 102, 103, 104, 105, 106
Kitchen		Room 201, 202, 203, 204, 205, 206,
H.L. Office		207 & 208

Building: Central Elementary, 600 W. Oliver, Owosso, MI 48867

<u>9" Tile Sq. Ft. -First Floor 7766</u>	<u>9" Tile Sq. Ft. -Second Floor 5880</u>	<u>Total Sq. Ft. 13646</u>
Room 103, 104, 106, 107, 108, 109 110, 111, 112, 115	Room 201, 202, 203, 205, 206, 207, 208, 209, & Lounge	
Kitchen		
Storage		
Office		

Building: Bryant Elementary, 925 Hampton, Owosso, MI 48867

<u>9" Tile Sq. Ft. 22794</u>	<u>12" Tile Sq. Ft. 464</u>
21 Classrooms	Kitchen
Room 121, 133, 103, 110	Storage Room by Media Center
Lounge, Office, Lounge	
Other Lounge, Nurse Room	

Building: Bentley Elementary, 1375 W. North, Owosso, MI 48867

9" Tile Sq. Ft. 10362  
Room 105, 126, 127, Storage, 132, 133, 134, 135, 136, 137,  
138, P.E. Storage, Office, C. Closet, Lounge

Building: Owosso Junior High, 219 N. Water, Owosso, MI 48867

<u>9" Tile Sq. Ft. 8262</u>	<u>12" Tile Sq. Ft. 12740</u>
Art Room, Kitchen, Band Room	Maintenance Room, Boys Locker Room, Room 20, Media Office
Room 201, 202, 205, & 206	Lounge, Room 11, Sick Room, Room 111, 118, 119, 203, 204, 209 212, 301, 304, 305, 306, 307, 309





## FLOOR TILE INFORMATION SHEET

Trust Internal Systems, 10445 Wright Road, Eagle, Michigan 49922

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Building: Roosevelt Elementary, 201 N. Brooks, Owosso, MI 48867

9" Tile Sq. Ft. 3545

Kitchen

Room 202, 203

Hall

Multi Purpose Room

Building: Owosso High School, 765 E. North Street, Owosso, MI 48867

9" Tile Sq. Ft. 85303 Total

100 Wing-12552

Room 100, 101, 102, 103, 104,  
105, 106, 107, 108, 109, 110, 111,  
112, Storage, 2 Conf Rooms

400 Wing-11524

Room 400, 401, 402, 403, 404, 405, 406, 407, 408,  
409, 410, 413, 414 415, Storage

200 Wing-15560

Room 202, 203, 204, 205, 206, 207, 208  
209, 210, 211, 212, 214, 215, 219, 220  
~~WVAKAAAY~~  
221, Storage, Bookstore & Storage

Also, Library, Gen. Office, Guidance, Co-op Office,  
Auditorium, Dressing Room, Band & Choral Rooms,  
Cafeteria, Cafe Office, Tickets & Concessions Office,  
Storage, Boiler Room Hall, Athletic Director,  
Room 604, 605, -606 Sq. Ft. 32299

300 Wing-13368

Room 300, 301, 302, 303, 304, 305, 306,  
307, 308, 309, 310, Storage

12 X 12 Tile Sq. Ft. 196

Team Room

Building: Emerson Elementary, 515 E. Oliver, Owosso, MI 48867

9" Tile Sq. Ft. 11867

Room 10, 11, 12, 13, W. Base Hall, Media Office,  
2 Media Offices Closets, Room 101, 102, Kitchen  
Closet, 103, 107, Title I Bath, Comp. Room, 200,  
201, Office, Work Room, Office 206, 207

12" Tile Sq. Ft. 10353

Room 102, 104, 105, 108, 109, 110, 111,  
P. Office, 202, 203, 204, 205, 208,  
209, 210, 211

Building: Lincoln Elementary, 120 Michigan Ave, Owosso, MI 48867  
no tile



FLOOR TILE INFORMATION SHEET

Trust Internal Systems, 10445 Wright Road, Eagle, Michigan 48922

Please identify all areas in each building that contain 9x9 or 12x12 inch floor tile. (If it is easier to identify the areas that do not contain floor tile, you may do so, but please clearly label it as such).

Building: Administration Building, 1405 W. North, Owosso, MI 48867  
9" Tile Sq. Ft. 153.3

Halls  
Storage Room  
Vault

Building: Owosso Schools (Warehouse), 1310 S. Cedar, Owosso, MI 48867  
no tile

Building: Owosso Schools (Bus Garage), 301 S. Dewey Street, Owosso, MI 48867  
12" Tile Sq. Ft. 693

Building:

Building:



## FIRE DOOR INFORMATION SHEET

Trust Thermal System, In., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and/or area that contain a Fire Barrier, or Fire Door (ie. H.S. - Boiler Room doors, Storage Room doors in rm. 38, 17, & the Chem. Lab.)

Building: Administration Bldg.

3 Metal Doors Steel Craft - Fire rate 1½ hrs. B  
Located on vault upstairs, vault in the lower level and at the top of the stairs to the lower level.

Building: Bentley Elementary

9 Metal Doors, Fenestra fire rate 1½ hrs. B, hollow core.  
Locations: 2 on boiler room, one on kitchen, 1 on janitors room, 1 on storage room in gym, 1 to office room, 2 in principal's office, 1 on custodial room.

Building: Bryant Elementary

1 Fire door on boiler room  
Philips Mfg. Co. fire door - wood filled metal.

Building: Central Elementary

2 Fire doors - 1 on boiler room is wood filled metal door.  
1 on fan room is a Philip Mfg. Co. wood filled metal door.

Building: Emerson Elementary

2 Fire doors on boiler room  
1 is a constructed wood filled metal door and the other a Fenestra Fire rate 1½ hrs.



## FIRE DOOR INFORMATION SHEET

Trust Thermal System, Inc., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and/or area that contain a Fire Barrier, or Fire Door (ie. H.S. - Boiler Room doors, Storage Room doors in rm. 38, 17, & the Chem. Lab.)

Building: Lincoln School

2 Fire doors on boiler room

1 a constructed wood filled metal door and

1 Philips Mfg. Co. Fire door (Wood Filled).

Building: Roosevelt Elementary

4 Fire doors in basement on boiler room and custodial rooms.

All are wood doors covered with metal.

Building: Washington Elementary

3 Fire doors on boiler room

1 was a constructed wood filled metal door and

2 are Philips Mfg. Co. wood filled metal doors.

Building: Owosso High School

7 Fire doors Pioneer Fire proof door rated 1½ hr. B

1 to boiler room, 1 to tunnels, 1 to burn room and 4 on

the back of the stage. Labs and maintenance room are all wood doors.

Building: Warehouse Building

2 entrance doors are Fenestra Fire rated 1/2 hr.





## Fire Door Information Sheet

Trust Thermal Systems, Inc., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and or area that contain a Fire Barrier, or Fire Door (ie H.S. - Boiler Room doors, Storage Room door in rm. 38, 17, & the Chem. Lab.)

Building: Owosso Junior High

Pioneer Industries - Fire doors rated  $1\frac{1}{2}$  hrs. B and  $3/4$  hrs. C. per the following list.

### 1 1/2 hours B

308  
Custodial (5)  
205  
202  
Old Stairwell  
Stage (2)  
Band Storage  
Band Exit  
121  
Kitchen (2)  
11  
2  
1  
3  
112 (2)  
113 (3)  
114 (5)  
W. Bath (2)  
116  
19 (2)  
21  
22  
23 (2)  
Tunnel  
24 (8)  
Filter Room  
27  
Boiler Room

### 3/4 hours C

3 RD Floor N. Hall  
3 RD Floor Middle  
3 RD Floor S. Hall (2)  
2 ND Floor S. Hall (2)  
2 ND Floor Middle (2)  
2 ND Floor N. Hall  
1 ST Floor N. Hall  
1 ST Floor Middle (4)  
1 ST Floor S. Hall (2)  
Cafe (4)  
Center Hall (3)  
2 (3)  
Shop Hall  
Basement West (2)  
1 ST Floor West (2)  
21  
23  
114  
Basement Stairwell



OWOSSO PUBLIC SCHOOLS 7 OF 12  
ACM Summary

CENTRAL ELEMENTARY SCHOOL

THERMAL SYSTEMS INSULATION

1. AREA #1 - BASEMENT

A. Boiler Room

1. 2 boiler jackets, #1-256 sq ft, #2-256 sq ft, Assumed ACM, Non Friable, good condition, except:
  - \* a) Both sides of #2 pulling away from boiler, Friable.
2. Hot water tank jacket 200 sq ft, Assumed ACM, Non Friable, good condition.
3. 250 lin ft Air Cell Pipewrap, 50 elbows Assumed ACM, Non Friable, good condition, except:
  - \* a) 1 Damaged pipe and elbow behind boiler #2.
  - \* b) 1 Friable open tee above #2.

B. Crawlspace South

- \* 4. 5 boxes @ 12 Air Cell Pipewrap stored here Assumed ACM, Friable.
- \* 5. 25 Friable open ends Pipewrap and elbows Assumed ACM.

C. Crawlspace North

- \* 6. 18 open ends Pipewrap and elbows Assumed ACM, Friable.

D. Fan Room/Electric Room

7. 14 lin ft Pipewrap Assumed ACM, Non Friable, good condition.

2. AREA #2

A. First Floor

8. 336 lin ft Pipewrap and 65 elbows Assumed ACM, Non Friable, good condition, except:
  - \* a) Pipechase by boys restroom 21 elbows and 25 lin ft Air Cell Pipewrap with 5 elbows Friable.
  - \* b) Pipechase by girls restroom 5 elbows and 20 lin ft Pipewrap Friable ends.
  - \* c) Stage area south air handling unit, 1 large elbow, Friable.
  - \* d) South air handling unit where pipes go through floor is Friable, open Pipewrap.

3. AREA #3

A. Second Floor

All Pipewrap and elbows Assumed ACM, all running above ceiling, check map: boys and girls pipechase each have 15 elbows and 20-25 lin ft Pipewrap Non Friable, good condition.

MISCELLANEOUS MATERIALS

SPECIAL NOTES:

All floor tile Assumed ACM, Non Friable, good condition. 13,646 sq ft, see Floor Tile Sheet for location

ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED



## FIRE DOOR INFORMATION SHEET

Trust Thermal System, Inc., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and/or area that contain a Fire Barrier, or Fire Door (ie. H.S. - Boiler Room doors, Storage Room doors in rm. 38, 17, & the Chem. Lab.)

Building: Lincoln School

2 Fire doors on boiler room

1 a constructed wood filled metal door and

1 Philips Mfg. Co. Fire door (Wood Filled).

Building: Roosevelt Elementary

4 Fire doors in basement on boiler room and custodial rooms.

All are wood doors covered with metal.

Building: Washington Elementary

3 Fire doors on boiler room

1 was a constructed wood filled metal door and

2 are Philips Mfg. Co. wood filled metal doors.

Building: Owosso High School

7 Fire doors Pioneer Fire proof door rated 1 1/2 hr. B

1 to boiler room, 1 to tunnels, 1 to burn room and 4 on

the back of the stage. Labs and maintenance room are

all wood doors.

Building: Warehouse Building

2 entrance doors are Fenestra Fire rated 1/2 hr.



## FIRE DOOR INFORMATION SHEET

Trust Thermal System, In., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and/or area that contain a Fire Barrier, or Fire Door (ie. H.S. - Boiler Room doors, Storage Room doors in rm. 38, 17, & the Chem. Lab.)

Building: Administration Bldg.

3 Metal Doors Steel Craft - Fire rate  $1\frac{1}{2}$  hrs. B  
Located on vault upstairs, vault in the lower level and at the top of the stairs to the lower level.

Building: Bentley Elementary

9 Metal Doors, Fenestra fire rate  $1\frac{1}{2}$  hrs. B, hollow core.

Locations: 2 on boiler room, one on kitchen, 1 on janitors room, 1 on storage room in gym, 1 to office room, 2 in principal's office, 1 on custodial room.

Building: Bryant Elementary

1 Fire door on boiler room

Philips Mfg. Co. fire door - wood filled metal.

Building: Central Elementary

2 Fire doors - 1 on boiler room is wood filled metal door.

1 on fan room is a Philip Mfg. Co. wood filled metal door.

Building: Emerson Elementary

2 Fire doors on boiler room

1 is a constructed wood filled metal door and the other a Fenestra Fire rate  $1\frac{1}{2}$  hrs.





## Fire Door Information Sheet

Trust Thermal Systems, Inc., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and or area that contain a Fire Barrier, or Fire Door (ie H.S. - Boiler Room doors, Storage Room door in rm. 38, 17, & the Chem. Lab.)

Building: Owosso Junior High

Pioneer Industries - Fire doors rated  $1\frac{1}{2}$  hrs. B and  $3/4$  hrs. C per the following list.

### 1 1/2 hours B

308  
Custodial (5)  
205  
202  
Old Stairwell  
Stage (2)  
Band Storage  
Band Exit  
121  
Kitchen (2)  
11  
2  
1  
3  
112 (2)  
113 (3)  
114 (5)  
W. Bath (2)  
116  
19 (2)  
21  
22  
23 (2)  
Tunnel  
24 (8)  
Filter Room  
27  
Boiler Room

### 3/4 hours C

3 RD Floor N. Hall  
3 RD Floor Middle  
3 RD Floor S. Hall (2)  
2 ND Floor S. Hall (2)  
2 ND Floor Middle (2)  
2 ND Floor N. Hall  
1 ST Floor N. Hall  
1 ST Floor Middle (4)  
1 ST Floor S. Hall (2)  
Cafe (4)  
Center Hall (3)  
2 (3)  
Shop Hall  
Basement West (2)  
1 ST Floor West (2)  
21  
23  
114  
Basement Stairwell



OWOSSO PUBLIC SCHOOLS DRYWALL INSPECTION  
PAGE 1 OF 3

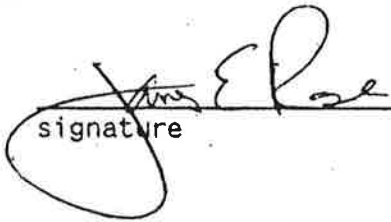
The following inspection for Owosso Public Schools was conducted by Jim Rose. The inspector was responsible for all data generation, sampling, and assessments for the following buildings:

Administration Building  
Bentley Elementary  
Bryant Elementary  
Bus Garage  
Central Elementary  
Emerson Elementary  
High School  
Junior High  
Lincoln Elementary  
Roosevelt Elementary  
Washington Elementary  
Warehouse

The inspection for drywall itself was conducted in accordance with AHERA guidelines for Miscellaneous materials.

Inspection Completion Date: 6/26/88

Owosso Public Schools  
1405 N. Street  
Owosso, Michigan 48872

  
signature

I-1074  
accreditation #  
DeLisle Labs,  
Kalamazoo

AHERA Inspector: James E. Rose  
10445 Wright Rd.  
Eagle, MI 48822



OWOSSO PUBLIC SCHOOLS DRYWALL INSPECTION  
PAGE 2 OF 3

The following is my inspection report for drywall in the Owosso Public Schools. Our inspection was greatly assisted by Mr. Richard Langdon, Asbestos Program Manager, whose knowledge of the buildings and materials greatly helped our inspection.

ADMINISTRATION BUILDING

--120 square feet of drywall was found in the basement of the Administration Building which was sampled (OAM D-1). It was in good condition, NF.

BENTLEY ELEMENTARY

--96 square feet of drywall on a partition in the kitchen area was sampled (OBN D-2). It was in good condition, NF.

BRYANT ELEMENTARY

--1100 square feet of drywall was found in an energy enhancement project. Two samples were taken of this homogeneous area (OBRE D-5; OBRE D-6). It was in good condition, NF.

--300 square feet of drywall in Rm 103 on a wall partition was sampled (OBRE D-4). It was in good condition, NF.

BUS GARAGE

--500 square feet of drywall on the E wall was sampled (OBG D-10). It was in good condition, NF. There was also 320 square feet of Gold Brand Fire Rated drywall on the W wall. It was sampled (OBG D-11; OBG D-12). Damage was noted covering approximately 2% of the area. Damaged areas were friable, balance was in good condition, NF.

CENTRAL ELEMENTARY

--1300 square feet of drywall in the gym windows from an energy enhancement project was sampled (OCE D-21). It was in good condition, NF.

EMERSON ELEMENTARY

--There was 1600 square feet of drywall in the E and W basement hallways which was sampled (OEE D-16; OEE D-17; and OEE D-18). There was an additional 104 square feet of the same drywall off the stage area. It was in good condition, NF.



OWOSSO PUBLIC SCHOOLS DRYWALL INSPECTION  
PAGE 3 OF 3

HIGH SCHOOL

--240 square feet of drywall in Rm 310 was sampled (OHS D-13). It was in good condition, NF.

--140 square feet of drywall in the Conference Rm at the NW corner of the auditorium was sampled (OHS D-14). It was in good condition, NF.

--120 square feet of drywall in Rm 202 was sampled (OHS D-15) and was in good condition, NF.

JUNIOR HIGH

--200 square feet of drywall in Rm 204. It was sampled (OJH D-19). It was in good condition, NF.

LINCOLN ELEMENTARY

--200 square feet of drywall in the first floor boy's bathroom was sampled (OLD D-20). It was in good condition, NF.

ROOSEVELT ELEMENTARY

--770 square feet of drywall around the perimeter windows in an energy enhancement project. It was sampled (ORE D-3). It was in good condition, NF.

WASHINGTON ELEMENTARY

--850 square feet of drywall in the gym in an energy enhancement project was sampled (OWS D-8). It was in good condition, NF.

--200 square feet of drywall in Rm 4 was sampled (OWS D-9). It was in good condition, NF.

WAREHOUSE

--325 square feet of drywall making up the bathroom walls was sampled (OW D-7). It was in good condition, NF.






OWOSSO PUBLIC SCHOOLS CEILING INSPECTION  
PAGE 1 OF 4

The following inspection for Owosso Public Schools was conducted by Jim Rose. The inspector was responsible for all data generation, sampling, and assessments for the following buildings:

Administration Building	6/26/88	
Bentley Elementary	6/26/88	
Bryant Elementary	6/26/88	2/14/89
Bus Garage	6/26/88	2/14/89
Central Elementary	6/26/88	
Emerson Elementary	6/26/88	
High School	6/26/88	2/14/89
Junior High	6/26/88	
Lincoln Elementary	6/26/88	2/14/89
Roosevelt Elementary	6/26/88	
Washington Elementary	6/26/88	

The inspection for ceiling tile itself was conducted in accordance with AHERA guidelines for Miscellaneous materials.

Owosso Public Schools  
1405 N. Street  
Owosso, Michigan 48872

  
signature

I-1074  
accreditation #  
DeLisle Labs,  
Kalamazoo

AHERA Inspector: James E. Rose  
10445 Wright Rd.  
Eagle, MI 48822



**OWOSSO PUBLIC SCHOOLS CEILING INSPECTION**  
**PAGE 2 OF 4**

The following is my inspection report for ceiling tiles in the Owosso Public Schools. Our inspection was greatly assisted by Mr. Richard Langdon, Asbestos Program Manager, whose knowledge of the buildings and materials greatly helped our inspection.

**ADMINISTRATION BUILDING**

Two types of ceiling tile were found in the Administration Building:

- 1.) 60 square feet of FISSURED 2X4 LAY-IN in the basement office was sampled (OAM C-1). It was in good condition, but by the nature of ceiling tile was friable.
- 2.) 1090 square feet of 12x12 GLUE-ON covered the remainder of the building which was sampled (OAM C-4). It was in good condition, but by the nature of ceiling tile was friable.

**BENTLEY ELEMENTARY**

There was one type of ceiling tile noted at Bentley Elementary:

- 1.) 96 square feet of FISSURED 2x4 LAY-IN in the hallway off the kitchen was sampled (OBN C-2). It was in good condition but by the nature of ceiling tile was friable.

**BRYANT ELEMENTARY**

Three types of ceiling tile were discovered at Bryant Elementary:

- 1.) 7500 square feet of NEW FISSURED 12x12 GLUE-ON in S wing. It was sampled (OBRE C-5). It was in good condition but by the nature of ceiling tile was friable.
- 2.) 44,000 square feet of OLD FISSURED 12x12 GLUE-ON throughout the building, except S wing, was sampled (OBRE C-6; OBRE C-7). It was in good condition but by the nature of ceiling tile was friable.
- 3.) 96 square feet of 2x2 RECESSED TRACK LAY-IN in Assistant Principal's office was sampled (OBRE C-1a). It was in good condition but by the nature of ceiling tile was friable.



OWOSSO PUBLIC SCHOOLS CEILING INSPECTION  
PAGE 3 OF 4

BUS GARAGE

One area of ceiling tile was found at the Bus Garage:

- 1.) 1040 square feet of FISSURED 2X4 LAY-IN was found in the lounge area. It was sampled (OBG C-2a) and was in good condition but by the nature of ceiling tile was friable.

CENTRAL ELEMENTARY

One type of ceiling tile was noted at Central Elementary:

- 1.) 40,000 square feet of OLD FISSURED 12x12 GLUE-ON was located in all areas except for the gym. It was sampled (OCE C-15). It was in good condition but by the nature of ceiling tile was friable.

EMERSON ELEMENTARY

One type of ceiling tile was found at Emerson Elementary:

- 1.) 1600 square feet of 2x2 RECESSED TRACK LAY-IN in the basement hallway was sampled (OEE C-12). It was in good condition but by the nature of ceiling tile was friable.

HIGH SCHOOL

Two types of ceiling tile were found in the High School:

- 1.) 1220 square feet of 12 x12 GLUE ON in the hallway by the counseling office and in the hallway by "100 Commons" was sampled (OHS C-3a). It was in good condition but by the nature of ceiling tile was friable.
- 2.) 1320 square feet of 2x2 RECESSED TRACK LAY-IN in Rms 411-414 (sampled: OHS C-10); 280 square feet in the Adult Education office (sample: OHS C-11); and 140 square feet in the Conference Rm on the NW corner of the Auditorium (sample OHS C-11 was used to represent this area). All was in good condition but by the nature of ceiling tile was friable.

JUNIOR HIGH

One type of ceiling tile was found in the Junior High:

- 1.) 800 square feet of PERFORATED 12X12 GLUE ON in the basement hallways was sampled (OJH C-13; OJH C-14). It was in good condition but by the nature of ceiling tile was friable.



OWOSSO PUBLIC SCHOOLS CEILING INSPECTION  
PAGE 4 OF 4

LINCOLN ELEMENTARY

There was one type of ceiling tile in Lincoln Elementary:

- 1.) 1500 square feet of FISSURED 2X4 LAY-IN in the second floor hallway was sampled (OLN C-4a). It was in good condition but by the nature of ceiling tile was friable.

ROOSEVELT ELEMENTARY

One type of ceiling tile was located at Roosevelt Elementary:

- 1.) 14,454 square feet (entire building) contained FISSURED 2X4 LAY-IN. It was sampled (ORE C-3). It was in good condition but by the nature of ceiling tile was friable.

WASHINGTON ELEMENTARY

Two types of ceiling tile were found at Washington:

- 1.) 43,000 square feet of OLD FISSURED 12x12 GLUE-ON throughout building, except for teacher's lounge was sampled (OWS C-8). It was in good condition but by the nature of ceiling tile was friable.
- 2.) 180 square feet of 2x2 RECESSED TRACK LAY-IN in the teacher's lounge. It was sampled (OWS C-9). It was in good condition but by the nature of ceiling tile was friable.





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Hazard Assessment**

1. Inspector Name

Last

TANNER

First

TIM

M.I.

2. Inspector Signature

SEE ATTACHED

Date

MAR 1988

3. State of Accreditation

MI

4. Accreditation Number

B1030

HA#

SEE ATTACHED

Hazard Assessment Classification

SEE ATTACHED

Reason for Classifications

MET THE DEFINITION FOR RESPONSE ACTION



Owosso  
Prioritization Sheet for ~~Eaton Rapids Public Schools~~

The following gives the priority schedule for each friable material needing attention. The items are listed in the preceding management plan. Please be reminded that we have given dates for completion of said actions.

1. Top Priority Items: **Immediate Attention Required:**  
These areas are to be isolated and only entered by trained personnel using protective equipment.  
Lincoln Elementary - Item 3,  
Roosevelt Elementary - Item 2,
2. Student/teacher traffic areas where there is friable ACM material requiring repair.  
Central Elementary - Item 10  
Roosevelt Elementary - Item 3,
3. Maintenance staff traffic areas where there is damaged or friable ACM material requiring repair.  
High School - Item 1  
Bentley Elementary - Item 2, 3  
Bryant Elementary - Item 2  
Central Elementary - Item 5, 7, 8  
Emerson Elementary - Item 1, 3  
Lincoln Elementary - Item 1, 2,  
Washington Elementary - Item 4,  
Warehouse - Item 1
4. Non-traffic areas where there is friable ACM material requiring repair.  
High School - Item 3  
Jr. High - Item 2  
Bryant Elementary - 1950 section - Item 7, 8  
                                  1957 Addition - Item 10  
Central Elementary - Item 2,  
Emerson Elementary - Item 6,  
Washington Elementary - Item 2, 3, 5, 7,

IN ALL BUILDINGS:

All fire brick, fire doors and thermal insulation gaskets are Assumed ACM unless otherwise stated.  
Non-Friable. O & M Recommended.



Owosso Public School  
Letter of recommendation for ACM

CENTRAL ELEMENTARY SCHOOL

BOILER ROOM

- (X) ( ) X Boiler # 1 -256 sq ft of Assumed ACM, nonfriable. Our recommendation is O&M.
- (X) ( ) X Boiler # 2 (256 sq.ft.) jacket is pulling away on both side of the boiler. Our recommendation is repair the jacket. Estimated costs \$ 200 if done by your APM. To be completed by Aug, 31 1988.
- (X) ( ) X The Hot Water Tank jacket has 200 sq ft of Assumed ACM nonfriable and in good condition. Our recommendation is O&M
- (/ ) ( ) 4. There are 250 lin ft of Air Cell pipewrap and 50 Elbows which are assumed ACM nonfriable and in good condition. Our recommendation is O&M
- (X) ( ) X Behind boiler # 2 there is 1 section of pipewrap, 1 elbow and 1 tee that need repair /rewrap. Estimated costs \$ 50 to be completed by Aug. 31,1988

NORTH AND SOUTH CRAWLSPACE

- (/ ) ( ) 6. There are 695 lin ft of Air Cell pipewrap and 65 Elbows are assumed ACM, most are nonfriable and in good condition. Our recommendation is O&M.
- (X) ( ) X There are 5 boxes of Air cell pipewrap in the south crawlspace. Our recommendation is to disposed of them properly. Estimated costs \$30. If done by your APM. To be completed by Aug. 31,1988.
- (/ ) ( ) 8. In the crawlspace there are 30 open ends on elbows and pipewrap that should be repaired estimated costs \$ 75. if completed by your APM. To be accomplished by Aug. 31, 1989

AREA #2 & #3

- (X) ( ) 9. There is 360 lin ft of pipewrap and 85 Elbows all assumed-ACM (see ACM summary sheet) in good condition and nonfriable. Our recommendation is O&M.
- (X) ( ) 10. The following is a list of items in these areas, which are assumed ACM, nonfriable and in need of repair.  
-- Between bathrooms in pipechase there are 10 elbows  
-- The stage air handling unit has one elbow  
-- On the stage where piping go through the floor there is one pipewrap (Air Cell) with an open end.  
Our recommendation is to repair /rewrap. The estimated costs \$ 105 if completed by your APM. To be completed by Aug. 31, 1988.



Owosso Public School  
Letter of recommendation for ACM

- (X) ( ) 11. The floor tiles throughout the buildings, 23,258 sq.ft. (see floor tile map) that are assumed ACM are not to be damaged, drilled, sanded or ground in any way handled so as to disturb material or release fibers. O&M suggested.

ADDITIONAL COMMENTS PERTAINING TO OWOSSO PUBLIC SCHOOLS:

There may be ACM located behind barriers that we do not know about. It is our recommendation that your APM or the Designated Person be on hand when major demolition occurs. Also we suspect that there may be ACM within fire doors throughout your buildings. In the event of damage to any of the doors, contact the DP or APM.

Tim Tanner  
Tim Tanner

00852  
cert. #

5-9-88  
date

I, as the Designated Person, have read, checked the appropriate boxes, and responded accordingly as per your opening paragraph.

Donald W. Leveille

\_\_\_\_\_  
date





Owosso Public School  
Letter of recommendation for ACM

*Removed*

CENTRAL ELEMENTARY SCHOOL

AGREE DISAGREE BOILER ROOM

- ( ) (X) ✓ 1. Boiler # 1 -256 sq ft of Assumed ACM, nonfriable. Our recommendation is O&M.
- ( ) (X) ✓ 2. Boiler # 2 (256 sq.ft.) jacket is pulling away on both side of the boiler. Our recommendation is repair the jacket. Estimated costs \$ 200 if done by your APM. To be completed by Aug, 31 1989.
- ( ) (X) ✓ 3. The Hot Water Tank jacket has 200 sq ft of Assumed ACM nonfriable and in good condition. Our recommendation is O&M
- ( ) (X) ✓ 4. There are 250 lin ft of Air Cell pipewrap and 50 Elbows which are assumed ACM nonfriable and in good condition. Our recommendation is O&M
- ( ) (X) ✓ 5. Behind boiler # 2 there is 1 section of pipewrap, 1 elbow and 1 tee that need repair /rewrap. Estimated costs \$ 50. To be completed by Aug. 31,1989

NORTH AND SOUTH CRAWLSPACE

- (X) ( ) 6. There are 695 lin ft of Air Cell pipewrap and 65 Elbows are assumed ACM, nonfriable and in good condition. Our recommendation is O&M.
- ( ) (X) ✓ 7. There are 5 boxes of Air cell pipewrap in the south crawlspace. Our recommendation is to dispose of them properly. Estimated costs \$30, if done by your APM. To be completed by Aug. 31,1989.
- ( ) (X) 8. In the crawlspace there are 30 open ends on elbows and pipewrap that should be repaired estimated costs \$ 75. if completed by your APM. To be accomplished by Aug. 31, 1989

*Repaired*

AREA #2 & #3

- (X) ( ) 9. There is 360 lin ft of pipewrap and 85 Elbows all assumed- ACM (see ACM summary sheet) in good condition and nonfriable. Our recommendation is O&M.
- ( ) (X) 10. The following is a list of items in these areas, which are assumed ACM, nonfriable and in need of repair.  
-- Between bathrooms in pipechase there are 10 elbows  
-- The stage air handling unit has one elbow  
-- On the stage where piping go through the floor there is one pipewrap (Air Cell) with an open end.  
Our recommendation is to repair /rewrap. The estimated costs \$ 105 if completed by your APM. To be completed by Aug. 31, 1989. *Repaired*



Owosso Public School  
Letter of recommendation for ACM

CENTRAL ELEMENTARY SCHOOL - continued

- (X) ( ) 11. The floor tiles throughout the buildings, 13,632 sq.ft. (see floor tile map) that are assumed ACM are not to be damaged, drilled, sanded or ground in any way handled so as to disturb material or release fibers. O&M suggested.

GENERAL BUILDING STATEMENTS

- (X) ( ) 12. The insulation in fire doors throughout this building is Assumed to be ACM. These doors are not to be sanded, drilled, or handled in anyway which will disturb material so as to release fibers. O & M Recommended.
- (X) ( ) 13. Thermal Gaskets and fire bricks are assumed to be ACM unless otherwise noted in the report. These materials are nonfriable and are not to be disturbed in any way which will release fibers. We recommend O & M.

ADDITIONAL COMMENTS PERTAINING TO OWOSSO PUBLIC SCHOOLS:

Additional Comments: There may be ACM located behind barriers that we do not know about. It is our recommendation that your APM or the Designated Person be on hand when major demolition occurs.

I, as the Designated Person, have read the recommendations, considered that the LEA has the financial resources needed to accomplish the recommendations (includes reinspection and training (form 93H)), checked the appropriate boxes, and responded accordingly as per your opening paragraph.

Tim Tanner  
Tim Tanner

00852  
cert. #

\_\_\_\_\_ date

Donald W. Leveille  
Donald W. Leveille

2-21-89  
date





**OWOSSO PUBLIC SCHOOLS**

1405 W. North Street  
P.O. Box 340  
Owosso, MI 48867  
(517) 723-8131

February 21, 1989

In Re: Letter of Recommendation for ACM Found for  
the Owosso LEA. - Central Elementary School

I, the Designated Person, have marked items #1, #2, #3, #4, #5, and #7 as disagree as the ACM was removed between August 10, and August 18, 1988 by Trust Thermal Systems. The clearance air sampling was completed on August 18, 1988 by Industrial Environmental Consultants, LTD.

Items #8 and #10 were also marked disagree as these were repaired by our maintenance department between August 30 and September 9, 1988.

*Donald W. Leveille*

Donald W. Leveille

*2-21-89*

Date



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Building Description

Building Description

SEE ATTACHED





**Owosso Public School District  
Property Summary**

	Facility Name Address	Age	Building Size #floors / S.F.	Site Acreage	Misc. Info.
1 ✓	Bentley Elementary School 1375 W. North Street Owosso, MI	1969	1 / 16,780	12.8	2 – Portable Classroom on site
2 ✓	Bryant Elementary School 925 Hampton Street Owosso, Michigan	1950 & 1957	1 / 56,876	23.0	1 – Portable Classroom on site
3 ✓	Central Elementary School 600 W. Oliver Street Owosso, Michigan	1950	2 / 43,170	3.7	
4 ✓	Emerson Elementary School 515 E. Oliver Street Owosso, Michigan	1928 & 1957	2 / 49,930	2.9	1 – Portable Classroom on site
5 ✓	Roosevelt Early Elementary School 201 N. Brooks Street Owosso, Michigan	1924 & 1956	1 / 8,920	2.9	Partial basement
6 ✓ FD ?	Washington Elementary School 645 Alger Avenue Owosso, Michigan	1924 / 1934 & 1949	2 / 55,656	3.2	Basement and 1- Portable Classroom
7 ✓	Owosso Middle School 219 Water Street Owosso, Michigan	1928 / 1950 & 1973	3 / 121,900	4.5	
8 ✓	Owosso High School 765 E. North Street Owosso, Michigan	1961	1 / 253,900	85.0	
9 ✓ FD SF	Lincoln Alternative High School 120 Michigan Avenue Owosso, Michigan	1915	2 / 19,800	0.71	
9 ✓	Administration Building 1405 W. North Street Owosso, Michigan	1969	1 / 2,040	?	Basement
20 ✓ FD L	Cedar Street Maint. / Warehouse 1310 Cedar Street Owosso, Michigan	1973	1 / 7,200	8.64	
FR	Transportation Center / Bus Garage 630 Jerome Street Owosso, Michigan	1963	1 / 5,758	?	
FD	Vehicle Repair / Warehouse 208 Cass Street Owosso, Michigan	Unknown	1 / 13,070	?	
9 NO ✓	Willman Field 630 Jerome Avenue Owosso, Michigan	1930's	<del>655,000</del> 13100	5.44	Press Box and Restrooms



**Owosso Public School District  
Property Summary**

<b>Facility Name Address</b>	<b>Age</b>	<b>Building Size #floors / S.F.</b>	<b>Site Acreage</b>	<b>Misc. Info.</b>
Green Meadows Property & Fields 1997 N. M-52 Owosso, Michigan	?	?	?	
Waugh Road Property Kiwanis Acres Waugh Road Owosso, Michigan	-	?	Parcel #1 27.27 Parcel #2 22.96	
Delany Road Property 100 Blk. of N. Delany Rd. Owosso, Michigan	-	-	35.74	
Property Near High School	-	-	80 +/-?	



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Laboratory Information

1. Laboratory Name

VARIOUS LABS USED - SEE ATTACHED

2. Laboratory Address

Street

City

State

Zip

3. Analyst Name

Last

First

M.I.

SEE ATTACHED

4. Analyst Signature

Date

5. Applicable Requirements Statement

LABORATORIES MEET THE REQUIREMENTS OF 763.87a



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Recommendations

1. Management Planner Name

Last

TANNER

First

TIM

M.I.

2. Management Planner Signature

SEE ATTACHED

Date

MAR 1988

3. State of Accreditation

MI

4. Accreditation Number

B1030

5. Recommendations

SEE ATTACHED





LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Response Action and Preventive Measures

1. Location

SEE ATTACHED RECOMMENDATIONS

2. Methods

ABATEMENT MEASURES AND O&M PROCEDURES

3. Reasons

BECAUSE IT TAKES CARE OF THE PROBLEM

4. Schedule

AS INDICATED



Owosso Public School  
Letter of recommendation for ACM

CENTRAL ELEMENTARY SCHOOL

BOILER ROOM

- (X) ( ) X Boiler # 1 -256 sq ft of Assumed ACM, nonfriable. Our recommendation is O&M.
- (X) ( ) X Boiler # 2 (256 sq.ft.) jacket is pulling away on both side of the boiler. Our recommendation is repair the jacket. Estimated costs \$ 200 if done by your APM. To be completed by Aug, 31 1988.
- (X) ( ) X The Hot Water Tank jacket has 200 sq ft of Assumed ACM nonfriable and in good condition. Our recommendation is O&M
- (/ ) ( ) 4. There are 250 1in ft of Air Cell pipewrap and 50 Elbows which are assumed ACM nonfriable and in good condition. Our recommendation is O&M
- (X) ( ) X Behind boiler # 2 there is 1 section of pipewrap, 1 elbow and 1 tee that need repair /rewrap. Estimated costs \$ 50 to be completed by Aug. 31,1988

NORTH AND SOUTH CRAWLSPACE

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- (X) ( ) X There are 5 boxes of Air cell pipewrap in the south crawlspace. Our recommendation is to disposed of them properly. Estimated costs \$30. If done by your APM. To be completed by Aug. 31,1988.
- (/ ) ( ) 8. In the crawlspace there are 30 open ends on elbows and pipewrap that should be repaired estimated costs \$ 75. if completed by your APM. To be accomplished by Aug. 31, 1989

AREA #2 & #3

- (X) ( ) 9. There is 360 1in ft of pipewrap and 85 Elbows all assumed- ACM (see ACM summary sheet) in good condition and nonfriable. Our recommendation is O&M.
- (X) ( ) 10. The following is a list of items in these areas, which are assumed ACM, nonfriable and in need of repair.  
-- Between bathrooms in pipechase there are 10 elbows  
-- The stage air handling unit has one elbow  
-- On the stage where piping go through the floor there is one pipewrap (Air Cell) with an open end.  
Our recommendation is to repair /rewrap. The estimated costs \$ 105 if completed by your APM. To be completed by Aug. 31, 1988.







LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Personnel Accreditation Statement

1. LEA Designated Person Name

Last	First	M.I.
HOCK	DAN	

2. LEA Designated Person Signature

Date

3. Accreditation Statement

ALL PERSONS WHO PERFORMED INSPECTIONS; MANAGEMENT PLANS  
PERFORMED ABATEMENT ARE/WILL BE ACCREDITED IN ACCORDANCE WITH  
AHERA 763.93(e)(7)





LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Personnel Accreditation Statement

1. LEA Designated Person Name

Last	First	M.I.

2. LEA Designated Person Signature

Date

--	--

3. Accreditation Statement

ALL PERSONS WHO PERFORMED INSPECTIONS; MANAGEMENT PLANS PERFORMED ABATEMENT ARE/WILL BE ACCREDITED IN ACCORDANCE WITH AHERA 763.93(e)(7)



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Remaining Asbestos

Description

SEE ATTACHED



## Owosso Public Schools Damage Report (All types)

**Bentley:** Wear on 9"x9" VAT at desk in utility room #108. Replace worn tiles with non-ACM material promptly.

**Bryant:** ACM debris in crawlspace entry area from boiler room. Needs cleaning promptly.

**Central:** TSI in 2nd floor attic above hallway at north access. Small damaged area, immediately adjacent to access ladder, on air-cell. Repair needed promptly.

**Emerson:**

1. ACM debris on west end of boiler #1 -- ~ 5' above floor - boiler room. Needs cleaning promptly.
2. Room 103 damage to sprayed-on ACM ceiling SE corner above light. ~1" piece dangling, removal and encapsulation **urgently** necessary.
3. Two ~ one inch damaged spots on sprayed on ceiling-- North end of 1st floor hallway near room 100. Encapsulate damaged areas promptly.
4. Stain on sprayed on ceiling -- North end of 2nd floor hallway near room 200. Monitor that area of ceiling for further deterioration.

**Roosevelt:** Large area of sprayed on ceiling missing (~ 30 ft. sq.) at North end of main hallway. Broken, potentially crumbly edge needs encapsulation promptly.

### Owosso Middle School:

1. Band room 120 has 2 areas of damaged VAT-- West side of room. Replace damaged tiles with non-ACM material promptly.
2. East stage storage room has ACM contamination on water pipe near valve. Cleaning needed **urgently**.
3. Pump room in basement has damaged TSI (elbow) overhead and debris on floor -- SW corner. Floor must be cleaned and elbow repaired or abated promptly.
4. Elbow wrapping loosened overhead along South wall. Rewrap promptly
5. Damage to TSI on valve tagged "22" North end of storage tunnel. Repair promptly.

**Owosso High School:** Loose Tiles as follows: Replace with non-ACM material promptly.

Band room -- ~ 3" south of podium

Room 306 -- small cluster ~ 20' from SE corner toward center of room



small cluster ~ 15' from NW corner toward center of room

**Lincoln:** No ACM found

**Administration Building:** TSI good condition in Furnace room -- VAT good condition

**Cedar Street Warehouse:** ~ 20 Lf of TSI near restroom -- open ends and school equipment laying on top of. ABATEMENT NEEDED

**Bus garage:** No ACM

**Vehicle repair/warehouse:** No ACM

**Willman field:** No ACM





## Owosso Public School Miscellaneous Report

**Bentley:** 9" x 9" VAT plus Mastic 10,360 Ft. sq.  
Fire doors -- Yes

**Bryant:** 9" x 9" VAT plus Mastic 23,500 Ft. sq.  
Fire doors -- Yes

**Central:** 9" x 9" VAT plus Mastic 13,630 Ft.sq.  
Fire doors -- Yes

**Emerson:** 9" x 9" VAT plus Mastic 22,200 Ft.sq.  
Fire doors -- Yes

**Roosevelt:** 9" x 9" VAT plus Mastic 3,545 Ft. sq.  
Fire doors -- Yes

**Washington:** 9" x 9" VAT plus Mastic 15,720 Ft. sq.  
Fire doors -- Yes

**O.M.S.:** 9" x 9" VAT plus Mastic 21,000 Ft. sq.  
Fire doors -- Yes

**O.H.S.:** 9" x 9" VAT plus Mastic 85,000 Ft. sq.  
Fire doors -- Yes

**Lincoln:** Fire doors -- Yes

**Administration:** 9" x 9" VAT plus Mastic 150 Ft. sq.  
Fire doors -- Yes

**Cedar Street Warehouse:** Fire doors -- Yes

**Bus Garage:** Fire doors -- Yes

**Vehicle Repair:** Fire doors -- Yes



## Owosso Public School Surfacing Report

**Bentley:** No surfacing

**Bryant:** 1957 addition ~ 12,200 Ft. sq.

**Central:** No surfacing

**Emerson:** ~ 6800 Ft. sq.

**Roosevelt:** ~ 1500 Ft. sq. East - West hallway

**Washington:** No surfacing

**O.M.S.:** No surfacing

**O.H.S.:** No surfacing

**Lincoln:** No surfacing

**Administration Building:** No surfacing

**Cedar Street Warehouse:** No surfacing

**Bus Garage:** No surfacing

**Vehicle Repair:** No surfacing



## Owosso Public School TSI Report

**Bentley:** No TSI

**Bryant:** No TSI

**Central:** TSI above 2nd floor hallway in attic, damaged at north end  
TSI running vertically to 2nd floor in 1st floor chases, between hall and classrooms

Total -- 350 Lf. good condition Non-friable

**Emerson:** No TSI

**Roosevelt:** No TSI

**Washington:** No TSI

**Owosso Middle School:** TSI throughout building

Storage tunnel -- ~ 10 fittings

Pump room basement --

~ 30 fittings - 4 need repair and 1 damaged needing abatement

Tank insulation ~ 20 Ft. sq.

Storage room basement -- ~ 5 fittings

Gymnasium -- ~ 10 fittings

Attic -- 90 Lf. Air cell per 3/1/88 inspection.

Total -- 145 Lf. good condition Non-friable

**Owosso High School:** TSI throughout building

North Cafeteria Mech. room -- 7 fittings

South Cafeteria Mech. room -- 2 fittings

Storage SW of Cafeteria -- 5 Lf. on/in wall

Office restroom pipechase -- 1 fitting

400 wing Attic -- 1 roof drain (fitting)

400 wing Janitors closet -- 6 fittings

100 wing Attic -- ~ 2 fittings

100 wing Janitors closet -- ~ 4 fittings

200 wing Attic -- ~ 2 fittings

200 wing Janitors closet -- ~ 6 fittings

Auditorium stroage -- 1 fitting

Maintenance workshop -- 1 fitting

Total -- 38 Lf. good condition



**Lincoln:** No TSI

**Administration Building:** ~ 27 fittings in and around Furnace room

**Cedar Street Warehouse:** ~ 20 Lf. on pipe beside and above restroom

**Bus Garage:** No TSI

**Vehicle Repair:** No TSI

**Willman Field:** No TSI





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

### Future Activities

1. Surveillance and Reinspection Plan

OWOSSO PUBLIC SCHOOL WILL PERFORM THE PERIODIC INSPECTIONS EVERY SIX MONTHS AND 3 YEAR RE-INSPECTIONS EVERY 3 YEARS

2. Operation and Maintenance Activities Plan

OWOSSO PUBLIC SCHOOLS HAS DEVELOPED AN O&M PROGRAM AND RESPIRATORY PROTECTION PROGRAM - SEE ATTACHED



## Respiratory Program Protection

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### Introduction

This written respiratory protection program has been established in accordance with the respiratory protection requirements of 29 CFR 1926.58 Asbestos Construction Standard including Appendix C. Copies of these regulations are available to all employees or interested persons.

During renovation activities on/or involving asbestos-containing materials, employees may be exposed to high concentrations of asbestos fibers for short periods of time. When an employee is exposed to concentrations of airborne toxic materials which are above the maximum standards established by OSHA, the law requires implementation of feasible engineering controls and/or administrative controls to reduce employee exposure. For the subject renovation activities, these controls may not be feasible as an alternative the employer must provide respiratory protection for all employees conducting renovation work on ACM. In addition to providing respiratory equipment, the employer has the responsibility of implementing a respiratory protection program. The following sections provide for the establishment of standard operating procedures for respiratory protection for employees.

### Designation of a Program Administrator

The program administrator in the LEA is the Designated Person

### SELECTION AND USE OF RESPIRATORY PROTECTIVE EQUIPMENT

Respirators used shall be selected from those approved by the Mine Safety and Health Administration (MSHA) and the National Institute for Occupational Safety and Health (NIOSH) for use in atmospheres containing asbestos fibers. A NIOSH approved respirator contains the following: an assigned identification number placed on each unit; additional information on the label which indicates limitations and identifies the component parts approved for used with the basic unit.

The approved respirator shall be worn for the existing working conditions specified as follows:

1. Air purifying respirators. A reusable air purifying respirator, or a power air purifying respirator shall be used to reduce the concentration of airborne asbestos fibers in the respirator below the 8-hour, TWA NIOSH recommended exposure limit of 0.1 fibers per cubic centimeters of air (fibers/cc), when the 8-hour, time-weighted average airborne concentrations of asbestos fibers are reasonably expected to exceed no more than the current OSHA 8-hour PEL of 0.2 fibers/cc.
2. Powered air purifying respirators. A full or half, facepiece powered-air purifying respirator shall be used to reduce the concentration of airborne asbestos fibers in the respirator below the 8-hour, TWA NIOSH-recommended exposure limit of 0.1 fibers/cc, when the 8-hour, TWA concentrations of asbestos fibers are reasonably expected to exceed no more than 10 times, the OSHA 8-hour PEL of 0.2 fibers/cc.



Respiratory Protection Program  
page 3

4. ~~Respiratory equipment shall be allowed to air dry on a clean surface or hung from a horizontal wire.~~

When not in use, respiratory equipment shall be sealed in plastic bags and stored in a single layer with the facepiece and exhalation valve in a non-distorted position. A metal cabinet with shelves is well suited for this purpose. Substitution of parts from a different brand or type of respirator will invalidate the approval of the respirator.

Inspection for defects in respiratory equipment must be done before and after each use and cleaning. The primary defects to look for in the inspection of component parts of the respirator and corrective actions where appropriate are itemized below:

1. Air purifying respirators (quarter-mask, half-mask and full face piece) - powered or negative pressure.
  - a. Rubber facepiece - check for:
    - excessive dirt (clean all dirt from facepiece)
    - cracks, tears, or holes (obtain new facepiece)
    - distortion (allow facepiece to "sit"-free from any constraints and see if distortion disappears; if not, obtain new facepiece)
    - cracked, scratched, or loose fitting lenses (contact respirator manufacturer to see if replacement is possible; otherwise obtain new facepiece).
  - b. Headstraps - check for:
    - breaks or tears (replace headstraps)
    - loss of elasticity (replace headstraps)
    - broken or malfunctioning buckles or attachments (obtain new buckles)
    - allow the facepiece to slip (replace headstrap)
  - c. Inhalation valve, exhalation valve - check for:
    - detergent residue, dust particles, or dirt on valve seat (clean residue with soap and water)
    - cracks, tears, or distortion in the valve material or valve seat (contact manufacturer for instructions)
    - missing or defective valve cover (obtain valve cover from manufacturer).
  - d. Filter element(s) - check for:
    - proper filter for the hazard
    - approval designation
    - missing or worn gaskets (contact supervisor for replacement)
    - cracks or dents in filter housing (replace filter)
    - missing or loose hose clamps (obtain new clamps).

EMPLOYEE TRAINING PROGRAM

Each employee designated to wear a respirator will be issued a copy of the Employee Respirator Manual. ~~Employee must be given adequate time~~ to read and understand the material. A training session with required employee attendance, will be conducted by the supervisor or other qualified personnel to insure that employees understand the limitations, use, and maintenance of respiratory equipment, and other important aspects of respiratory protection including the following:



APPENDIX A

RESPIRATORY PROTECTION TRAINING PROGRAM

Before signing, be sure you understand each of the following items.

1. Explanation of the ramification of misuse.
2. Why the particular respirator was selected.
3. Limitation of the selected respirator.
4. Putting on the respirator.
5. Wearing the respirator.
6. Maintenance of the respirator.
7. Recognizing and handling emergency situations.
8. Inspecting the respirator.
9. Use of air purifying respirator.
10. Use of air-supplied respiratory equipment.
11. Purpose of medical evaluation.
12. Proper fit-testing techniques.

I understand the use, care, and inspection of the respirator(s) I may use.

Signature

I have had the opportunity to wear and fit-test the respirator(s) I may use.

Signature

---





Lead Designated Person - Donald Leville

Our schools have adopted the following guidelines as drafted by our management planner, as normal operating procedures for our district. This O & M plan goes into effect on July 1, 1989.

The following elements, along with section 5 & 6 of the management plan make up the Owosso Public Schools O & M plan

1. Designation of responsibilities under AHERA
2. Training plans and activity
3. Protective procedures and equipment for employees
4. Appropriate responses to ACM in the building and activities that may affect ACM
5. Repair/rewrap/removal plan for ACM under small scale, short duration projects Appendix B
6. Emergency plans

Forms found in the following comments are found in section 5 of the management plan. Section 6 contains the AHERA law.

1. Designation of responsibilities under AHERA

It is important to know who will do what & when. The responsibilities listed on form 80C - Designated Person (DP) Form and found in Section 763.84 are given to the Designated Person. The DP may assign an Asbestos Program Manager for the district. This coordinator will help the Designated Person fulfill his responsibilities.

Asbestos Program Manager - Richard Langdon

This Program manager will:

Assign and instruct one person from each ACM containing building in:

- \* proper procedures regarding a fiber release (forms 91B & 91D)
- \* do's and don'ts regarding asbestos (Section 6 Appendix B)
- \* locations of ACM in the building

This assigned person will be called the Building ACM Director. Write the name & phone number of the building ACM director on your school specific building management plan cover and record it on the green page at the end of this plan.

It is the policy of this district that NO operations or activities that may disturb ACM or any operations that involve demolition of walls, ceilings or floor surfaces will occur without verbal notification to the Asbestos Program Manager.



Operations & Maintenance Plan for Owosso Public Schools

page 3

- a. Removal - using appropriate procedures
- b. Encapsulation - the application of a glue like material
- c. Enclosure - putting an air-tight barrier around the ACM. See Section 6 - Appendix B - Enclosure
- d. Preventative measures - see form 90A
- e. Operations & Maintenance - this includes:

- \* repair & rewrap of damaged ACM material
- \* cleaning under friable ACM materials (form 91E)
- \* maintenance of thermal insulation
- \* preventative measures
- \* disposal of ACM, ACM debris & contaminated materials

There are also a need for all custodial staff to understand that if there is a fiber release, potential fiber release or suspected fiber release that guidelines on form 91B - Fiber Release Episode Protocol and or 91D - Conducting Activities That Disturb Friable Asbestos Fibers must be followed. This is to be reviewed during a custodial staff meeting during the month of September.

**Friable Surfacing Material** - No activities are to be carried out that will touch or disturb friable ACM surfacing material such as ceiling spray-on or firespray except very minor DP directed O & M activities.

**Non-Friable ACM materials** - may be handled but not in such a way as to disturb fibers.

5. Repair/rewrap/removal plan for ACM under small scale, short duration projects Appendix B

Repair & rewrap of ACM Thermal insulation - This method of control is the simplest and most cost effective way of controlling ACM thermal insulation. Minor damage to pipewrap, elbows & joints, boiler & tank jacket wraps and other thermal ACM insulations can normally be rewrapped or repaired quite easily. This is only to be accomplished by 16 hour trained employees. This employee is to have already had hands-on training regarding these operations during the 16 hr. asbestos maintenance training.

**A. Rewrap/Repair:** The details for repair/rewrap usually accompany the materials to be used but normal procedures are as follows:

1. Obtain a bridging encapsulant & a light canvas or specialized wrapping tape.
2. Use proper protective clothing i.e. tyvek coveralls & HEPA equipped respirator.
3. Immerse the tape or strip of cloth in a 50/50 water to Bridging encapsulant mix or as per mfg. instructions.
4. Carefully apply the saturated cloth/tape to the damaged area. making sure that asbestos fibers are not released.
5. Smooth out the cloth/tape and allow to dry.

**Option:** If the repair area is small, just the application of the undiluted bridging encapsulant may be sufficient.

**B. Clean-up of Debris:** In the event that there is ACM debris the following are normal procedures:



**PARTIAL  
REPLICATION  
OF  
29 CFR 1926.58**

Part II

Department of Labor

Occupational Safety and Health  
Administration

29 CFR Parts 1910 and 1926

Occupational Exposure to Asbestos,  
Tremolite, Anthophyllite, and Actinolite:  
Final Rules

(m) Medical surveillance — (1) General — (i) Employees covered. The employer shall institute a medical surveillance program for all employees engaged in work involving levels of asbestos, tremolite, anthophyllite, actinolite or a combination of these minerals, at or above the action level for 30 or more days per year, or who are required by this section to wear negative pressure respirators.

(ii) Examination by a physician. (A) The employer shall ensure that all medical examinations and procedures are performed by or under the supervision of a licensed physician, and are provided at no cost to the employee and at a reasonable time and place.

(B) Persons other than such licensed physicians who administer the pulmonary function testing required by this section shall complete a training course in spirometry sponsored by an appropriate academic or professional institution.

(2) Medical examinations and consultations — (i) Frequency. The employer shall make available medical examinations and consultations to each employee covered under paragraph (m)(1)(i) of this section on the following schedules:

(A) Prior to assignment of the employee to an area where negative pressure respirators are worn;

(B) When the employee is assigned to an area where exposure to asbestos, tremolite, anthophyllite, actinolite, or a combination of these minerals may be at or above the action level for 30 or more days per year, a medical examination must be given within 10 working days following the thirtieth day of exposure;

(C) And at least annually thereafter.

(D) If the examining physician determines that any of the examinations should be provided more frequently than specified, the employer shall provide such examinations to affected employees at the frequencies specified by the physician.

(E) Exception: No medical examination is required of any employee if adequate records show that the employee has been examined in accordance with this paragraph within the past 1-year period.

(ii) Content. Medical examinations made available pursuant to paragraphs (m)(2)(i)(A)-(m)(2)(i)(C) of this section shall include:

(A) A medical and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems.



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

WOSSO PUBLIC SCHOOLS

SB#

ALL

**Future Activities  
(continued)**

3. Additional Cleaning Recommendation

SEE ATTACHED

4. LEA response to Additional Cleaning Recommendation

SEE ATTACHED





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Resource Evaluations

Resource Evaluation For:

1. Successful Response Action Completion
2. Reinspection Implementation
3. Operations and Maintenance Activities
4. Periodic Surveillance and Training Implementation

1. ~\$250- 300,000
2. ~\$1,500/ 3 YEAR RE-INSPECTION
3. ~\$2,000/YEAR
4. ~\$750/YEAR



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Consultant Accreditation Statement

1. LEA Designated Person Name

Last

HOCK

First

DAN

M.I.

2. LEA Designated Person Signature

Date

3. Accreditation Statement

ALL CONSULTANTS WHO PARTICIPATED IN THE  
INSPECTION/MANAGEMENT PLAN ARE ACCREDITED  
BY THE STATE OF MICHIGAN AS REQUIRED BY AHERA



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Consultant Accreditation Statement

1. LEA Designated Person Name

Last

First

M.I.

--	--	--

2. LEA Designated Person Signature

Date

--	--

3. Accreditation Statement

ALL CONSULTANTS WHO PARTICIPATED IN THE  
INSPECTION/MANAGEMENT PLAN ARE ACCREDITED  
BY THE STATE OF MICHIGAN AS REQUIRED BY AHERA



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### LEA Responsibility Certification

1. LEA Designated Person

Last

HOCK

First

DAN

M.I.

2. LEA Designated Person Signature

Date

3. Responsibility Statement

THE GENERAL LEA RESPONSIBILITIES UNDER AHERA 763.84 HAVE BEEN  
OR WILL BE MET





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### LEA Responsibility Certification

1. LEA Designated Person

Last

First

M.I.

--	--	--

2. LEA Designated Person Signature

Date

--	--

3. Responsibility Statement

THE GENERAL LEA RESPONSIBILITIES UNDER AHERA 763.84 HAVE BEEN  
OR WILL BE MET



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Description of Preventive Measures and Response Actions

1. Location

VARIOUS LOCATIONS IN SCHOOLS - SEE ATTACHED

2. Methods

ABATEMENT AND O&M PROCEDURES WILL BE UTILIZED

3. Reasons

BECAUSE IT SOLVES THE PROBLEM?

4. Schedule

SUMMER 2014

5. Name and Location of Storage or Disposal Site of the ACM

VENICE LANDFILL



## Owosso Public Schools Damage Report (All types)

**Bentley:** Wear on 9"x9" VAT at desk in utility room #108. Replace worn tiles with non-ACM material promptly.

**Bryant:** ACM debris in crawlspace entry area from boiler room. Needs cleaning promptly.

**Central:** TSI in 2nd floor attic above hallway at north access. Small damaged area, immediately adjacent to access ladder, on air-cell. Repair needed promptly.

**Emerson:**

1. ACM debris on west end of boiler #1 -- ~ 5' above floor - boiler room. Needs cleaning promptly.
2. Room 103 damage to sprayed-on ACM ceiling SE corner above light. ~1" piece dangling, removal and encapsulation **urgently** necessary.
3. Two ~ one inch damaged spots on sprayed on ceiling-- North end of 1st floor hallway near room 100. Encapsulate damaged areas promptly.
4. Stain on sprayed on ceiling -- North end of 2nd floor hallway near room 200. Monitor that area of ceiling for further deterioration.

**Roosevelt:** Large area of sprayed on ceiling missing (~ 30 ft. sq.) at North end of main hallway. Broken, potentially crumbly edge needs encapsulation promptly.

### Owosso Middle School:

1. Band room 120 has 2 areas of damaged VAT-- West side of room. Replace damaged tiles with non-ACM material promptly.
2. East stage storage room has ACM contamination on water pipe near valve. Cleaning needed **urgently**.
3. Pump room in basement has damaged TSI (elbow) overhead and debris on floor -- SW corner. Floor must be cleaned and elbow repaired or abated promptly.
4. Elbow wrapping loosened overhead along South wall. Rewrap promptly
5. Damage to TSI on valve tagged "22" North end of storage tunnel. Repair promptly.

**Owosso High School:** Loose Tiles as follows: Replace with non-ACM material promptly.  
Band room -- ~ 3" south of podium  
Room 306 -- small cluster ~ 20' from SE corner toward center of room



small cluster ~ 15' from NW corner toward center of room

**Lincoln:** No ACM found

**Administration Building:** TSI good condition in Furnace room -- VAT good condition

**Cedar Street Warehouse:** ~ 20 Lf of TSI near restroom -- open ends and school equipment laying on top of. ABATEMENT NEEDED

**Bus garage:** No ACM

**Vehicle repair/warehouse:** No ACM

**Willman field:** No ACM





LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Description of Preventive Measures and Response Actions (continued)

1. Name of Contractor involved

Last

First

M.I.

TO BE DETERMINED

2. State of Accreditation

MI

3. Accreditation Number

1. Name of Contractor Involved

Last

First

M.I.

2. State of Accreditation

3. Accreditation Number



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Response Action Clearance Monitoring

1. Name of Person Collecting Air Sample

Last

First

M.I.

TO BE DETERMINED

2. Air Sampler's Signature

[Empty signature box]

3. Locations Where Air Samples Were Collected

WHERE ABATEMENT/O&M PROCEDURES ARE PERFORMED

4. Date Air Samples Collected

TO BE DETERMINED

5. Name and Address of Laboratory Analyzing Samples

ANY AIR SAMPLING SENT TO A LAB WILL REQUIRE THE LAB TO BE NLAP ACCREDITED

6. Date of Analysis

[Empty date box]



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### In-House O & M Training

1. Person's Name and Job Title

SEE ATTACHED COPIES OF TRAINING PROVIDED

2. Date of Training

VARIOUS

3. Location of Training

OWOSSO PUBLIC SCHOOLS AND  
TRAINING PROVIDERS

4. Number of Hours of Training Provided

2HR; 8HR; 16HR; 40 HR

In House Operations and Maintenance (O & M) Training Form F-3



CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Periodic Surveillance

1. Name of Person Performing Surveillance

Last

First

M.I.

SEE ATTACHED		
--------------	--	--

2. Date of Surveillance

VARIOUS

3. Description of Changes in the Condition of the Materials

SEE ATTACHED PERIODIC INSPECTIONS

Periodic Surveillance Forms F-4





# Asbestos Environmental Consulting and Training of Michigan

13792 Sharon Rd.  
Chesaning, MI 48616-0095  
989-845-6204  
989-845-6207 Fax  
313-530-7994 Mobile  
KLFesler@centurytel.net

Mr. Dan Hock, Director of Operations  
Owosso Public Schools  
1405 W. North St.  
Owosso, MI 48867

October 20, 2004

**RE: 6 - Month Asbestos Building Inspection of Owosso Public Schools, Owosso, MI.  
AECTM Project Number: 4029 - B**

Dear Mr. Hock:

In accordance with your request, Asbestos Environmental Consulting and Training of Michigan (AEC) performed an asbestos inspection at the above referenced location on October 19, 2004. The purpose of this inspection was to reinspect your facilities for the condition of asbestos containing materials in accordance with the EPA mandated Asbestos Hazard Emergency Response Act of 1986 (AHERA).

AEC inspected the following buildings:

Administration  
Warehouse  
Roosevelt Elementary  
Bryant Elementary  
Emerson Elementary  
Bentley Elementary  
Central Elementary  
Lincoln Elementary  
Washington Elementary  
Owosso Junior High School  
Owosso High School

The findings are detailed on a building by building basis.

Administration Building: Asbestos containing materials were observed to be in good condition.

Warehouse: Asbestos containing materials were observed to be in good condition.

Roosevelt Elementary: Asbestos containing materials were observed to be in good condition.

Bryant Elementary: Damage observed to asbestos ceiling where new windows were installed in



all classrooms and teachers lounge in the 400 wing of the building. There appears to be water damage to the ceiling in the teachers lounge. AEC recommends continue O and M monitoring for further deterioration.

Emerson Elementary: The boiler has gasket and asbestos insulation exposed due to tear down and repair. These materials should be handled through your O and M program. Room 206 and 207 have badly worn floor tile. Both rooms have asbestos ceilings which should be monitored closely for damage and be repaired as soon as damage occurs.

Bentley Elementary: Repair activities to loose floor tiles in rooms 137, 136, and the gym have been completed. The boiler room has been renovated and all asbestos materials have been removed. No other changes were noted.

Central Elementary: Damaged pipe joints observed above the ceiling in the hallway in front of Mrs. Cox's room need to be sealed. Damage to pipes on air handler on stage have been repaired. The East stage storage room has been rearranged and equipment is no longer leaning on asbestos pipes. Floor tiles are loose in the janitors closet (215). These tiles should be removed.

Lincoln Elementary: Asbestos containing materials were observed to be in good condition.

Washington Elementary: Asbestos containing materials were observed to be in good condition.

Owosso Junior High School: Joints were observed to be damaged in the basement fan room. These should be repaired. Broken and crumbling floor tile was observed at the doorway into the kitchen store room. This material should be removed. The door to room 305 was observed to have been replaced.

Owosso High School: Loose and broken floor tiles were observed to have been repaired in the following rooms: 408, 406, 404, 220, 100, 112, 105, 106, 113, 107, 202, 207, 209, 210, 214, Choir Room. There were loose tiles observed in the entry to the boiler room. These tiles should be removed and replaced. Pipe insulation in the tunnels was observed to be in good condition.

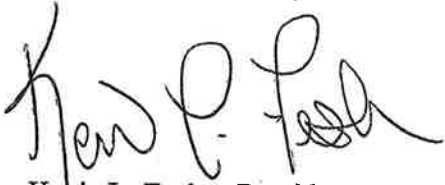
The buildings were inspected by Kevin L. Fesler. His Building Inspectors Certificate No. Is A12503. The expiration date is 3/14/05.

Your operations and maintenance program should be continued.

If you have any questions or comments please do not hesitate to contact us.



Respectfully Submitted,  
**Asbestos Environmental Consulting and Training of Michigan**

A handwritten signature in black ink, appearing to read "Kevin L. Fesler". The signature is written in a cursive, flowing style.

Kevin L. Fesler, President  
4029-B



# Asbestos Environmental Consulting and Training of Michigan

13792 Sharon Rd.  
Chesaning, MI 48616-0095  
989-845-6204  
989-845-6207 Fax  
313-530-7994 Mobile  
KLFesler@centurytel.net

Mr. Dan Hock, Director of Operations  
Owosso Public Schools  
1405 W. North St.  
Owosso, MI 48867

March 31, 2004

**RE: 6 - Month Asbestos Building Inspection of Owosso Public Schools, Owosso, MI.  
AECTM Project Number: 4029 - A**

Dear Mr. Hock:

In accordance with your request, Asbestos Environmental Consulting and Training of Michigan (AEC) performed an asbestos inspection at the above referenced location on March 25, 2004. The purpose of this inspection was to reinspect your facilities for the condition of asbestos containing materials in accordance with the EPA mandated Asbestos Hazard Emergency Response Act of 1986 (AHERA).

AEC inspected the following buildings:

Administration  
Warehouse  
Roosevelt Elementary  
Bryant Elementary  
Emerson Elementary  
Bentley Elementary  
Central Elementary  
Lincoln Elementary  
Washington Elementary  
Owosso Junior High School  
Owosso High School

The findings are detailed on a building by building basis.

Administration Building: Asbestos containing materials were observed to be in good condition.

Warehouse: Asbestos containing materials were observed to be in good condition.

Roosevelt Elementary: Asbestos containing materials were observed to be in good condition.

Bryant Elementary: Damage observed to asbestos ceiling where new windows were installed in





all classrooms and teachers lounge. AEC recommends continue O and M repair and monitoring for further deterioration.

Emerson Elementary: The boiler has gasket and asbestos insulation exposed due to tear down and repair. These materials should be handled through your O and M program. Room 206 and 207 have badly worn floor tile. Room 207 had wet spots in the asbestos ceiling. These areas should be monitored closely for further damage and be repaired as soon as damage occurs.

Bentley Elementary: Loose and worn floor tiles observed in rooms 137, 136, and the gym. Loose tiles should be removed and replaced. Worn tile should be monitored.

Central Elementary: Damaged pipe joints observed above the ceiling in the hallway in front of Mrs. Cox's room, on air handler on stage. These pipes should be repaired. In the stage E. Storage room there is equipment leaning on asbestos pipes. The equipment should be moved and the pipe repaired if it is damaged. Floor tiles are loose in the janitors closet (213). These tiles should be removed. There were many patched areas of floor tile observed in this building. Loose tiles should be removed and repaired as outlined in the O & M procedures.

Lincoln Elementary: Asbestos containing materials were observed to be in good condition.

Washington Elementary: Asbestos containing materials were observed to be in good condition.

Owosso Junior High School: Joints were observed to be damaged in the basement fan room. These should be repaired. Broken and crumbling floor tile was observed at the doorway into the kitchen store room. This material should be removed. Broken floor tile was also observed in room 22. This material should be removed and replaced. The door to room 305 was observed to be broken open exposing the asbestos fireproofing inside. This door should be replaced.

Owosso High School: Loose and broken floor tiles were observed in the following rooms 408, 406, 404, 220, 100, 112, 105, 106, 113, 107, 202, 207, 209, 210, 214, Choir Room, Home Ec Room. There were anywhere from 1 - 6 tiles observed loose in each of these rooms. These tiles should be removed and replaced.

The buildings were inspected by Kevin L. Fesler. His Building Inspectors Certificate No. Is A12503. The expiration date is 3/14/05.

Your operations and maintenance program should be continued.



If you have any questions or comments please do not hesitate to contact us.

Respectfully Submitted,  
**Asbestos Environmental Consulting and Training of Michigan**

A handwritten signature in black ink, appearing to read "Kevin L. Fesler". The signature is fluid and cursive, with the first name "Kevin" being the most prominent.

Kevin L. Fesler, President  
4029-A



## Periodic Surveillance Data Sheet

Form 92D

Name of Inspector David Lee Phelps

Date(s) that the inspection was conducted January 8, 1998

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

Bldg. Name/Location	No Changes	Min. Changes	Major Changes	Comments
<b>Central</b>				
N & S Crawlspace Pipewrap Elbows 30 open ends-elbows & pipewrap		X		In Rm 104 - one elbow needs wrapped in the northwest corner of the room
Area #2 & #3 Pipewrap Elbows Between bathrooms in pipechase- 10 elbows Stage air unit 1 elbow Stage (floor open end/pipewrap				Main walk tunnel in basement south wall by big elbow needs wrapping. Also on same line down by boiler room door - two elbows need wrapped
Ceilings				
Walls				
Floors			X	Removed 8 tile in room 106

David L. Phelps  
Signature of Inspector

1/9/98  
Date

Due date of the next inspection: June 26, 1998

Cent92D



## Periodic Surveillance Data Sheet

Form 92D

Name of Inspector David Phelps

Date(s) that the inspection was conducted September 17, 1996

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

Bldg. Name/Location	No Changes	Min. Changes	Major Changes	Comments
<b>Central</b>				
N & S Crawlspace Pipewrap Elbows 30 open ends-elbows & pipewrap				Main walk tunnel in basement south wall by big elbow needs wrapping. Also, on main line 2, two elbows by boiler room door need wrapped
Area #2 & #3 Pipewrap Elbows Between bathrooms in pipechase- 10 elbows Stage air unit 1 elbow Stage (floor open end/pipewrap				
Ceilings				
Walls				
Floors				

David Lee Phelps  
Signature of Inspector

10/15/96  
Date

Due date of the next inspection: December 26, 1996





PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted 1-10-96

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:              No Min Maj

Central

N & S Crawlspace				
Pipewrap	✓			
Elbows	✓			
30 Open ends - elbows & pipewrap	✓			
Area #2 & #3				
Pipewrap	✓			
Elbows	✓			
Between bathrooms in pipechase 10 elbows	✓			
Stage air unit				
1 elbow				
Stage (floor open end/pipewrap)	✓			
Walls	✓			
Floors	✓			
Ceilings	✓			

*Thomas Lennap*

Signature of inspector

1-10-96

Date

Due date of the next inspection: \_\_\_\_\_



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille / Tom Lennox

Position with the LEA Designated Person

Date(s) that the inspection was conducted 8-2-95

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:              No Min Maj

Central

N & S Crawlspace				
Pipewrap	✓			
Elbows	✓			
30 Open ends - elbows & pipewrap	✓			

Area #2 & #3				
Pipewrap	✓			
Elbows	✓			
Between bathrooms in pipechase 10 elbows				
Stage air unit	✓			
1 elbow				
Stage (floor open end/pipewrap)	✓			

Walls	✓			
Floors	✓			
Ceilings	✓			

*Thomas Lennox*

Signature of inspector

8-2-95

Date

Due date of the next inspection: December 26, 1995



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille or Tom Lennox

Position with the LEA Designated Person

Date(s) that the inspection was conducted December 14, 1994

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Central

N & S Crawlspace			
Pipewrap	✓		
Elbows	✓		
30 Open ends - elbows & pipewrap	✓		
Area #2 & #3			
Pipewrap	✓		
Elbows	✓		
Between bathrooms in pipechase 10 elbows	✓		
Stage air unit			
1 elbow	✓		
Stage (floor open end/pipewrap)	✓		

Walls  
Floors  
Ceilings

*Thomas Lennox*

Signature of inspector

12-14-95

Date

Due date of the next inspection: June 26, 1995



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Thomas Lennox

Position with the LEA Asbestos Supervisor/Maintenance

Date(s) that the inspection was conducted March 7, 1994

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Central

N & S Crawlspace

Pipewrap	X		
Elbows	X		
30 Open ends - elbows & pipewrap	X		

Area #2 & #3

Pipewrap	X		
Elbows	X		
Between bathrooms in pipechase 10 elbows	X		
Stage air unit 1 elbow	X		
Stage (floor open end/pipewrap	X		

Walls	X		
Floors	X		
Ceilings	X		

Storage Area  
Basement  
1 elbow repair (remove tape)  
4 pipewraps  
(repair waterline)

*Thomas Lennox*

Signature of inspector

3-9-94

Date

Due date of the next inspection: June 26, 1994





PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted June 15, 1994

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Central

N & S Crawlspace

Pipewrap

ok

Elbows

30 Open ends - elbows  
& pipewrap

ok

Area #2 & #3

Pipewrap

ok

Elbows

Between bathrooms in  
pipechase 10 elbows

ok

Stage air unit

1 elbow

ok

Stage (floor open  
end/pipewrap

ok

Walls

✓

Floors

✓

Ceilings

✓

*Don Leveille*

Signature of inspector

6-15-94

Date

Due date of the next inspection: December 26, 1994



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted October 9, 1993

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations                      Changes:                      Comments:

Building name:                      No Min Maj

Central

N & S Crawlspace

Pipewrap	X		
Elbows	X		
30 Open ends - elbows & pipewrap	X		

Area #2 & #3

Pipewrap	X		
Elbows	X		
Between bathrooms in pipechase 10 elbows	X		
Stage air unit	X		
1 elbow			
Stage (floor open end/pipewrap			

All are repaired

Walls	X		
Floors	X		
Ceilings	X		

Donald W. Leveille  
Signature of inspector

10-21-93  
Date

Due date of the next inspection: December 26, 1993



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted January 19, 1993

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No   Min   Maj

Building name:	No	Min	Maj	Comments:
<u>Central</u>				
N & S Crawlspace			X	Crawlspace behind boiler just as you enter, look up for area to repair.
Pipewrap	X			
Elbows	X			
30 Open ends - elbows & pipewrap	X			
Area #2 & #3				
Pipewrap	X			Basement outside air handling room - 12" pipe needs repair small opening at end. Also, replace duct tape on pipe West air unit-3 places duct tape needs to be replaced with cloth wrap. (East side) O.K.
Elbows				
Between bathrooms in pipechase 10 elbows	X			
Stage air unit			X	
1 elbow	X			
Stage (floor open end/pipewrap	X			
Walls	X			
Floors	X			
Ceilings	X			

Donald W. Leveille  
Signature of inspector

1-19-93  
Date

Due date of the next inspection: June 26, 1993



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted 11-3-92

Late due to fire at Bryant School.

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Central

N & S Crawlspace Pipewrap		X		Crawl space below room 106 (music room) 1 pipe wrap about 10 ft. in need of repair
Elbows	X			
30 Open ends - elbows & pipewrap	X			
Area #2 & #3 Pipewrap		X		Bottom of steps at west end of stage rewrap pipe
Elbows	X			
Between bathrooms in pipechase 10 elbows		X		Pipe chase in stairway to basement-replace 2 places-duct tape with cloth.
Stage air unit 1 elbow		X		First floor in girl's restroom-replace duct tape
Stage (floor open end/pipewrap				Stage air unit elbow-cover with duct tape with cloth
Walls	X			
Floors	X			Teacher work room 104 build cover up two feet on pipe in corner.
Ceilings	X			Basement room 10 east side of lock room-rewrap w/duct tape.

Don Leveille  
Signature of inspector

11-3-92  
Date

Due date of the next inspection: December 26, 1992





PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Dick Langdon/Tom Lennox  
 Position with the LEA Program Manager  
 Date(s) that the inspection was conducted 12/27/91

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
 Building name:      No Min Maj

Central

N & S Crawlspace				
Pipewrap	X			
Elbows	X			
30 Open ends (elbows & pipewrap)	X			
Area #2 & #3				
Pipewrap	X			
Elbows	X			
Between bathrooms in pipe-chase 10 elbows	X			
Stage air unit 1 elbow	X			
Stage (floor open end/pipewrap)	X			
Walls	X			
Floors	X			
Ceilings	X			

*Dick Langdon*      1/7/92  
 Signature of inspector      Date

Due date of the next inspection: June 26, 1992



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Richard Langdon

Position with the LEA Program Director

Date(s) that the inspection was conducted June 28, 1991

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Central

N. & S. Crawlspace

Pipewrap	X			OK
Elbows	X			OK
30 open ends	X			OK

Area #2 & #3

Between bathrooms	X			OK
Pipechase 10 elbows	X			OK
Pipewrap	X			OK
Elbows	X			OK
Stage air unit	X			OK
1 elbow				
Stage (floor open end)	X			OK

Richard Langdon  
Signature of Inspector

7/15/91  
Date

Due date of the next inspection: December 26, 1991



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Richard Langdon

Position with the LEA Program Director

Date(s) that the inspection was conducted January 2, 1991

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations                      Changes:                      Comments:  
Building name:                      No   Min   Maj

Central

N. & S. Crawlspace

Pipewrap	X			OK
Elbows	X			OK
30 open ends	X			OK

Area #2 & #3

Between bathrooms	X			OK
Pipechase 10 elbows	X			OK
Pipewrap	X			OK
Elbows	X			OK
Stage air unit	X			OK
1 elbow				
Stage (floor open end	X			OK

Richard F. Langdon  
Signature of inspector

1/4/91  
Date

Due date of the next inspection: June 26, 1991



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Richard Langdon

Position with the LEA Program Director

Date(s) that the inspection was conducted June 20, 1990

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Central

N. & S. Crawlspace

Pipewrap	X		
Elbows	X		
30 open ends	X		

Area #2 & #3

Between bathrooms	X		
Pipechase 10 elbows	X		
Pipewrap	X		
Elbows	X		
Stage air unit 1 elbow	X		
Stage (floor) open end	X		

Richard Langdon  
Signature of inspector

8/17/90  
Date

Due date of the next inspection: December 26, 1990





PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille and Richard Langdon

Position with the LEA Designated Person and Program Manager

Date(s) that the inspection was conducted December 27, 1989

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations  
Building name:

Changes:  
No Min Maj

Comments:

Central

N. & S. Crawlspace  
Pipewrap  
Elbows  
30 open ends

Area #2 & #3  
Between bathrocms  
pipechase 10 elbows  
Pipewrap  
Elbows  
Stage air unit 1 elbow  
Stage (floor) open  
end

Top OK -caulk pipe by the flc

*Richard F. Langdon*

*Donald W. Leveille*

Signature of inspector

*12/27/89*

*12/27/89*

Date

Due date of the next inspection: June 26, 1990



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille and Richard Langdon

Position with the LEA Designated Person and Program Manager

Date(s) that the inspection was conducted September 14, 1989

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations	Changes:	Comments:
Building name:	No Min Maj	

Central

N. & S Crawlspace

30 open ends

Area 2 & 3

Between bathrooms pipe-chase 10 elbows

Stage air unit 1 elbow

Stage (floor) open end

✓			
✓			

All O.K.

Needs caulking

*Richard F. Langdon*

*Donald W. Leveille*

Signature of inspector

*9/14/89*

*9-14-89*

Date

Due date of the next inspection: December 26, 1989



SIX MONTH SURVEILLANCE  
December 1988

12-28-88 Dick Langdon and Don Leveille reinspected Central School for Asbestos. Recommendations to follow:

(Use proper protective clothing, materials, respirator, and HEPA vacuum for clean-up.) **16 Hour Trained Employees**

Boiler room and crawl space by steam return pump is O.K.

Storage room - 1 damaged spot in center of large pipe.

\* Crawl space off custodial room - asbestos debris to be picked up.

Condensation return pump room - bends of pipe need to be repaired.

Foot of stairs (outside electrical room) - ends on water line need to be patched.

Electrical room - T above entrance door needs to be repaired.

Second floor girls bathroom - pipe chase, last toilet where pipe goes through wall - needs repair.

Stairwell to air handling unit near Kindergarten room - pipe end needs repair.

\* First floor boys restroom pipe chase - some pipe covering needs repair and one piece of air cell debris needs to be removed.

✓ Bruce R. Hickmott 7-6-89  
Name Date

✓ Don Phelps \_\_\_\_\_  
Name Date

East gym air handling unit - needs repair where asbestos pipe comes through the floor.

West gym air handling unit - rewrap elbow coming from air unit.

Signature of Workers

✓ Bruce R. Hickmott \_\_\_\_\_  
✓ Don Phelps \_\_\_\_\_

Date of Completion

July 6, 1989

\*Please list and give location of any debris clean-up



CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### O&M Activities

1. Name of Person Performing Activities

Last

First

M.I.

SEE ATTACHED

2. Start and Completion Dates

VARIOUS

3. Location and Description of O&M Activity

SEE ATTACHED

4. Name and Location of Storage or Disposal Site for ACM

ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL





CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### O & M Cleaning

1. Name of Person Performing Cleaning

Last

First

M.I.

SEE ATTACHED

2. Date of Cleaning

VARIOUS

3. Location and Description of Cleaning Methods

PROCEDURES MEET O&M REQUIREMENTS; OSHA REQUIREMENTS  
ISOLATE THE WORK AREA; WEAR PPE;  
WET CLEANING; HEPA VACUUMING;  
PROPER COLLECTION; AND DISPOSAL OF WASTE MATERIAL

Operations and Maintenance (O & M) Cleaning Form F-5



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: September 21st, 2006

(A) Competent Person Requirement

W.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Workers Training Requirements

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

9/14/06  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.

J.P.  
Initial

J.P.  
Initial

J.P.  
Initial



**JOB INFORMATION**

Job/Order Number:

#8585

Date of Work Operation:

September 21<sup>st</sup>, 2006

Name of Work Site:

Central School Room 204

Description of work Operations:  
(include type and size of resilient floor covering material, removal methods used and time duration of removal activity)

Removed 80-9"x9" ACM Resilient Floor tile, by wetting down entire area with water and with a putty knife ~~chipped~~ the tile and put into an impermeable Bag and disposed of in to the dumpster at the school. With the help use VACUUMED entire area to pick up any Residue. Replaced with New whole 12"x12" tile.

Names of Employees Involved in Work Operation

Social Security Number 1.0 in morning  
368-58-7974 30 overtime at night.

David Lee Phelps

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

Signature of Authorized Representative of Employer who has assigned Competent Person to this job.

*David Lee Phelps*  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address Of Employer

September 21<sup>st</sup>, 2006  
Date



II: Brief Checklist of Requirements (Prior to the start of) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 9-19-06

(A) Competent Person Requirement

E.V.  
Initial

Edward Van Strate has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

E.V.  
Initial

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

E.V.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

E.V.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

E.V.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

E.V.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

E.V.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Workers Training Requirements

E.V.  
Initial

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

Edward Van Strate  
Employee Name

Feb-3, 2006  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

E.V.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

E.V.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.





**JOB INFORMATION**

Job/Order Number:

8694

Date of Work Operation:

9-19-06

Name of Work Site:

Central School Room #09

Description of work Operations:  
(include type and size of resilient  
floor covering material, removal  
methods used and time duration  
of removal activity)

Remove 12 9x9 Floor Tiles  
By wetting & Heppa Vacuuming & then replace  
with 12x12 cut down to 9x9 resilient  
floor tile

Names of Employees Involved in Work Operation

Social Security Number

Edward Van Strob

369-846871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

Signature of Authorized Representative of Employer who has assigned Competent Person to this job.

Edward Van Strob

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address Of Employer

Date



**Section II: Brief Checklist of Requirements (Prior to the start of) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices**

Date: 7/26/06

**(A) Competent Person Requirement**

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

**(B) Negative Exposure Assessment**

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Workers Training Requirements**

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

4/14/06  
Date Completed Training Course

Employee Name

Date Completed Training Course

Employee Name

Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial



**JOB INFORMATION**

Job/Order Number:

# 8402

Date of Work Operation:

July 26<sup>th</sup>, 2006

Name of Work Site:

Central School Room 207

Description of work Operations:  
(include type and size of resilient floor covering material, removal methods used and time duration of removal activity)

On 7/25/06 the floor was flooded with water, the next day we used spuds and popped 1408-94611 ACM Resilient floor tile and put into impermeable bags and disposed of them in the dumpster at the school. Afterward with a Hepa Vacuum I vacuumed the entire area to pick up any residue. Replacing with 1/2 carpet 1/2 12" x 12" tile. Approx time 6.0 - 11.0

Names of Employees Involved in Work Operation

David Lee Phelps

Social Security Number

368-58-7974

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

Signature of Authorized Representative of Employer who has assigned Competent Person to this job.

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address Of Employer

July 26<sup>th</sup>, 2006  
Date



**Section II: Brief Checklist of Requirements (Prior to the start of) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices**

Date: 7/25/06

**(A) Competent Person Requirement**

E.V.  
initial

Ed Vanstrate has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

E.V.  
initial

**(B) Negative Exposure Assessment**

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

E.V.  
initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

E.V.  
initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

E.V.  
initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

E.V.  
initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

E.V.  
initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Workers Training Requirements**

E.V.  
initial

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

Edward Vanstrate  
Employee Name

FEB 03 2006  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

E.V.  
initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

E.V.  
initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.

E.V.  
initial





**JOB INFORMATION**

Job/Order Number:

# 8485

Date of Work Operation:

July 25<sup>th</sup>, 2006

Name of Work Site:

Central School Room 203

Description of work Operations:  
(include type and size of resilient  
floor covering material, removal  
methods used and time duration  
of removal activity)

Wet down 33-9"x9" ACM Resilient Floor tile, popped  
tile with a putty knife and put tile in to an impervious  
Bag and disposed of into the dumpster at the school  
Afterwards vacuumed entire area with a Hepa vac  
to pick up and residue, Replaced with 12"x12" tile cut to  
fit.

Names of Employees Involved in Work Operation

Edward Vastrate

Social Security Number Approx time 2.5 h

369-89-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

Signature of Authorized Representative of Employer who has assigned Competent Person to this job.

*Edward Vastrate*

Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address Of Employer

July 25<sup>th</sup>, 2006  
Date



**Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices**

Date: 5-4-06

**(A) Competent Person Requirement**

E.V.  
Initial

Edward Van Strate has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

E.V.  
Initial

**(B) Negative Exposure Assessment**

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

E.V.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

E.V.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

E.V.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

E.V.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

E.V.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

E.V.  
Initial

**(C) Workers Training Requirements**

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

Edward Van Strate  
Employee Name

Feb 3, 2006  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

E.V.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

E.V.  
Initial

**(D) Notification and Demarcation**

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

E.V.  
Initial

Warning signs have been posted and area has been demarcated.



**JOB INFORMATION**

Job/Order Number:

8148

Date of Work Operation:

5-4-06

Name of Work Site:

CENTRAL SCHOOL ROOM 109

Description of work Operations:

*(include type and size of resilient floor covering material, removal methods used and time duration of removal activity)*

REMOVE 6 9"x9" FLOOR TILES  
WETTED FLOOR TILES AND HEPPA VACUUMED AND REPLACED  
WITH #123 MANWINGTON FLOOR TILE - 2 HRS

Names of Employees Involved in Work Operation

Social Security Number

Edward Van Strate

369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

Signature of Authorized Representative of Employer who has assigned Competent Person to this job.

Edward Van Strate

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address Of Employer

Date



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: August 17<sup>th</sup>, 2005

(A) Competent Person Requirement

U.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Workers Training Requirements

D.P.  
Initial

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

February 2<sup>nd</sup>, 2004  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P.  
Initial

Warning signs have been posted and area has been demarcated.





**Job Information**

Job/Order Number: # 6778

Date of work operation: August 17<sup>th</sup>, 2005

Name of work site: Central School Room 111 south wall

Address of work site: 600 West Oliver Street Owosso Michigan 48867

Description of work operation: Soaking down the floor tile with water using a putty knife popped up the tile (2 - 9"x9" Acn) and put into a impervious bag and disposed of in the dumpster. Afterward with a Hepi vacuum vac the entire area to clean up any residue. Then cut 12"x12" tile to fit to replace what was pulled.

1.5 hr.

Names of Employees Involved in Work Operation  
David Lee Phelps  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Social Security Number  
368-58-7974  
\_\_\_\_\_  
\_\_\_\_\_

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

David Lee Phelps  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name Of Employer

1405 W. North St., Owosso, MI 48867  
Address

August 17<sup>th</sup>, 2005  
Date



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 2/4/05

(A) Competent Person Requirement

D.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

D.P.  
Initial

(C) Workers Training Requirements

D.P.  
Initial

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

December 3<sup>rd</sup>, 2004  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.

D.P.  
Initial



**Job Information**

Job/Order Number: # 5747

Date of work operation: ~~JA~~ February 4<sup>th</sup>, 2005

Name of work site: Central School Mrs Cox's Room & Stage Storage Rm

Address of work site: 600 West Oliver Street Owosso, Michigan 48867

Description of work operation: In Mrs Cox's Room and the Stage Storage Rm wrapped A variety of elbows joints, and connection on heat unit in ceiling and steam line in stage storage area. Wrapped with wheel paste and mud. Then after hard vacuumed entire area with a Hepa vacuumed to clean areas up of any residue.  
2.5 hrs

Names of Employees involved in Work Operation

Social Security Number

David Lee Phelps

368-58-7974

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

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

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

David Lee Phelps  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name Of Employer

1405 W. North St., Owosso, MI 48867  
Address

February 4<sup>th</sup>, 2005  
Date



Action II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 4/8/03

(A) Competent Person Requirement

I.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial  
the is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

I.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

4/4/03 Expired  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of AC and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.

\_\_\_\_\_  
area has been demarcated





Information

Order Number: # 1641

Date of work operation: April 8th, 2003 & April 9th, 2003

Name of work site: Central School Room 209

Address of work site: 600 West Oliver Street Owosso, Michigan

Description of work operation: Removal of 1408 - 9" square ACM Resilient floor tile with Carpet attached. Used utility knife and cut carpet into 3 foot strips and using a spud, lifted the tile with carpet attached. Rolled up the carpet and took to Dumpster at Central for disposal. After all the carpet and tile was removed, use the Hepa vac and vacuumed the entire area. Assigned the job by Dan Hook. Supervisor 6 hrs total time.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

[Redacted]

[Redacted]

[Redacted]

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

[Signature]  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

[Signature]  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

April 9th, 2003  
Date

(Local Reproduction Of This Form Authorized)



**Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices**

Date: 6/20/2001

**(A) Competent Person Requirement**  
 D.P. Initial David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

**(B) Negative Exposure Assessment**  
 D.P. Initial the is Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P. Initial Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P. Initial The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P. Initial This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P. Initial The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P. Initial If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Worker Training Requirements**

D.P. Initial The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
 Employee Name

January 6<sup>th</sup>, 2000  
 Date Completed Training Course

\_\_\_\_\_  
 Employee Name

\_\_\_\_\_  
 Date Completed Training Course

\_\_\_\_\_  
 Employee Name

\_\_\_\_\_  
 Date Completed Training Course

D.P. Initial I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

D.P. Initial Before the start of this removal job the following individuals must be notified of the presence and location of, and of the planned removal activity: (1) employees performing the removal work, (2) employers of employee working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.



o Information

# 4234

Job/Order Number:

Date of work operation:

June 20th, 2001

Name of work site:

Central School Room 107

Address of work site:

600 West Oliver Street Owosso, Michigan

Description of work operation:  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removal of 1364-9" square ACM Resilient-Floor tile.  
Laying down entire area, used a spud and popped up the tile and put in an impermeable bag and threw material in the dumpster.  
After all was picked up, used the Hapa vacuum and vacuumed the entire area.  
Time 8.0 hrs. each.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

[Redacted]

[Redacted]

[Redacted]

Mike Watson

370-42-7388

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

*John Phelps*

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address

June 20th, 2001

Date

(Local Reproduction Of This Form Authorized)



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 6/21/2001

(A) Competent Person Requirement

D.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial  
the  
is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

January 6<sup>th</sup>, 2000  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of AC and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.





Information

# 4234

Order Number:

Date of work operation:

June 21<sup>st</sup>, 2001

Name of work site:

Central School Room 108

Address of work site:

600 West Oliver Street Owosso, Michigan

Description of work operation:

(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removal of 1364-9" square AcM Resilient floor tile, wetting down entire area, used a spud and popped up the tile and put into an impermeable bag and threw the material in the dumpster. After all was picked up, use the Hepa Vacuum and vacuumed the entire area.

Time A.P. - 8.0 hrs. m.w. - 5 hrs.

Names of Employees Involved in Work Operation:

David Phelps

Social Security Nos.

368-58-7974

[Redacted]

[Redacted]

[Redacted]

Mike Watson

370-42-7388

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

*John Phelps*

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address

June 21<sup>st</sup>, 2001

Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: July 17<sup>th</sup> 2000

(A) Competent Person Requirement

D.P.  
Initial  
David Lee Phelps has successfully completed the 12-hour competent person training course Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial  
the  
is  
Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial  
Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial  
The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial  
This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial  
The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial  
If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial  
The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps

Employee Name

Edward Van Strate

Employee Name

January 20<sup>th</sup> 2000

Date Completed Training Course

January 20<sup>th</sup> 2000

Date Completed Training Course

Date Completed Training Course

Employee Name

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.



Information

b/Order Number: # 2715

Date of work operation: July 17th 2000

Name of work site: Central School Kitchen

Address of work site: 600 West Oliver Street Owosso, Mich. 48866

Description of work operation: Removal of 352 9" square floor tile (AcM Resilient)  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).  
VACUUMED entire floor with HEPA vacuum system. Sprayed entire floor with water before removal, carefully removed with a scraper and putting tile into an impermeable trash bag by the Double Bagged. Then VACUUMED entire area again with a HEPA vacuum and then haul tile to warehouse for storage until take to landfill. Total time spent 8.0 hr.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

Ed VanStrate

369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

[Signature]

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address

July 17th 2000

Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 1/12/2000

**(A) Competent Person Requirement**

D.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

**(B) Negative Exposure Assessment**

D.P.  
Initial  
the  
is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Worker Training Requirements**

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

Jan. 16<sup>th</sup>, 1998  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P.

\_\_\_\_\_  
Recommended area has been demarcated





**Job Information**

b/Order Number: \_\_\_\_\_

Date of work operation: January 12<sup>th</sup>, 2000

Name of work site: Central School Room 202

Address of work site: 600 West Oliver Street Owosso, Michigan

Description of work operation: Using HEPA Vacuum cleaned entire area. wetting down the area afterwards, used a putty knife to remove one tile in Room 202 and replaced by cutting down a 12"x21" to 9"x9" to fit. Put into an impermeable bag and then double bag and addressed as to where it came from and took to warehouse (DIS) for storage in a) using proper procedure for removal.

(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

[Redacted]

[Redacted]

[Redacted]

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

[Signature]  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

January 12<sup>th</sup>, 2000  
Date





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 8/26/98

(A) Competent Person Requirement

D.P.  
Initial David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial the is Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

JANUARY 6<sup>th</sup> & 16<sup>th</sup> 1998  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P.  
Initial \_\_\_\_\_ have been notified and area has been demarcated



Job Information

Job/Order Number: \_\_\_\_\_

Date of work operation: August 26<sup>th</sup>, 1998

Name of work site: Central School Main office Bathroom

Address of work site: 600 West Oliver Street Owosso, Mich

Description of work operation: Removal of 3-9" sq. Acrylic resilient floor tile, vacuumed  
entire area with Hepa vacuum system. wetting down entire  
area before removal, carefully removing with putty knife  
putting into an impermeable trash bag and then double  
bagged. then vacuumed entire area again and replaced  
with 12"x12" tile  
Approx. time 1.5 hrs.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

~~Ed VanStrate~~

~~369-84-6871~~



This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

Lee Monroe  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

August 26<sup>th</sup>, 1998  
Date





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 8/26/98

**(A) Competent Person Requirement**

D.P.  
Initial David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

**(B) Negative Exposure Assessment**

D.P.  
Initial the is Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Worker Training Requirements**

P.P.  
Initial The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

January 6<sup>th</sup> & 16<sup>th</sup>, 1998  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

D.P.  
Initial Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P.  
Initial \_\_\_\_\_ and area has been demarcated





Job Information

Job/Order Number: \_\_\_\_\_

Date of work operation: August 26<sup>th</sup>, 1998

Name of work site: Central School Room 109,

Address of work site: 600 West Oliver Street Owosso, Mich.

Description of work operation:  
(include type and size of resilient  
floor covering material removal  
methods used and time duration  
of removal activity).

Removal of 3-9" sq. Acn resilient floor tile,  
VACUUMED entire AREA with HEPA VACUUM SYSTEM. Wetting  
down entire AREA before removal, carefully removing with  
putty knife putting into an IMPERMEABLE trash bag and tie  
Doubled bagged, then VACUUMED entire AREA again  
and replaced with 12"x12" tile.

Approx time 1.5 hrs.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

Ed VanStrate

369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

Les Monroe

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address

August 26<sup>th</sup>, 1998

Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 8/26/98

(A) Competent Person Requirement

D.P.  
Initial

David-lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial  
the  
is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David-lee Phelps  
Employee Name

JANUARY 6<sup>th</sup> & 16<sup>th</sup> 1998  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.



Job Information

Job/Order Number: \_\_\_\_\_

Date of work operation: August 26<sup>th</sup>, 1998

Name of work site: Central School Room 109.

Address of work site: 600 West Oliver Street Owosso, Mich.

Description of work operation:  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removal of 3-9" sq. Acn resilient floor tile, vacuumed entire area with Hepa Vacuum system, wetting down entire area before removal, carefully removing with putty knife putting into an impermeable trash bag and the doubled bagged, then vacuumed entire area again and replaced with 12"x12" tile.

Approx time 1.5 hrs.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

~~Ed VanStrate~~

~~369-84-6871~~

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

Les Monroe

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address

August 26<sup>th</sup>, 1998

Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 8/26/98

(A) Competent Person Requirement

D.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

JANUARY 6<sup>th</sup> & 16<sup>th</sup> 1998  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

\_\_\_\_\_ has been demarcated





Job Information

Order Number: \_\_\_\_\_

Date of work operation: August 26<sup>th</sup>, 1998

Name of work site: Central School main office Bathroom

Address of work site: 600 West Oliver Street Owosso, Mich

Description of work operation: Removal of 3-9" sq. Acn resilient floor tile, vacuumed entire area with Hepa vacuum system, wetting down entire area before removal, carefully removing with putty knife putting into an impermeable trash bag and then double bagged, then vacuumed entire area again and replaced with 12"x12" tile  
Approx. time 1.5 hrs.

(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

~~Ed VanStrate~~

~~369-84-6871~~

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

Lee Monroe  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

August 26<sup>th</sup>, 1998  
Date

(Local Reproduction Of This Form Authorized)





RECORD KEEPING ACTIVITY SHEET

CHECK ONE ( ) Major Asbestos Activity under 763-91 (e)  
(X) O & M under 763-91 (d) "O & M disturbing friable ACBM."

According to 763-94 (F) and (G) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:

NAME: OWOSSO PUBLIC SCHOOLS

1405 W. NORTH ST.                      OWOSSO                      MI                      48867  
Address:                                      City                                      State                                      Zip Code

Accreditation or contractor license number: A16001

State accredited in: Michigan

2. Names of each individual involved:

Signatures:

DAVID PHELPS



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

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

(use other side if necessary)

3. Start and Completion Dates: **March 3, 1998**

4. Location of the Activity: **Central**

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action. **Over**

6. If ACM was removed, give the name and/or location of storage or disposal site of the ACM. **Maintenance Warehouse and Venice Park Development 9536 Lennon Rd. Lennon, MI 48449**







RECORD KEEPING ACTIVITY SHEET

CHECK ONE ( ) Major Asbestos Activity under 763-91 (e)  
(X) O & M under 763-91 (d) "O & M disturbing friable ACBM."

According to 763-94 (F) and (G) the following date must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:

NAME: OWOSSO PUBLIC SCHOOLS

1405 W. NORTH ST.                      OWOSSO                      MI                      48867  
Address:                                      City                                      State                                      Zip Code

Accreditation or contractor license number: 37108 (License #)  
State accredited in: Michigan

2. Names of each individual involved:

DAVID PHELPS  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signatures: David L. Phelps

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

(use other side if necessary)

3. Start and Completion Dates: **March 3, 1998**

4. Location of the Activity: **Central School**

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action. **Over**

6. If ACM was removed, give the name and/or location of storage or disposal site of the ACM.  
**Maintenance Warehouse and Venice Park Landfill**





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA bestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 12/17/97

(A) Competent Person Requirement

D.P.  
Initial  
David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial  
the  
is  
Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial  
Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial  
The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial  
This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial  
The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial  
If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

P.P.  
Initial  
The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

August 13<sup>th</sup> - 14<sup>th</sup> 1996  
Date Completed Training Course

Ed Van Strate  
Employee Name

December 17<sup>th</sup> 1996  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial  
I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial  
Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

\_\_\_\_\_ and area has been demarcated



Job Information

Job/Order Number: 96-08-0037

Date of work operation: December 17th, 1997

Name of work site: Central School Room 106

Address of work site: 600 West Oliver Street Owosso, Michigan

Description of work operation: Removed 8-9" floor tile. (Asm Resilent)  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).  
Vacuumed entire floor with heat lachin system.  
Waiting down entire area before removal and care  
with putty knife, putting into impermeable trash bags  
Approx. time 1 1/2 hr.

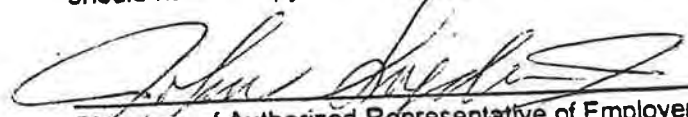
Names of Employees Involved in Work Operation:

David Phelps  
Ed VanStrate  
Fred Lab III

Social Security Nos.

368-58-7974  
369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.



Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

December 17th, 1997  
Date



Job Information

Job/Order Number: 96-08-0037

Date of work operation: December 17th, 1997

Name of work site: Central School Room 106

Address of work site: 600 West Oliver Street Owosso, Michigan

Description of work operation: Removed 8 - 9" floor tile (ACM Resilent)  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).  
Vacuumed entire floor with heat vacuum system, wetting down entire area before removal and careful with putty knife, putting in impervious trash bags  
Approx. time 1 1/2 hr.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

Ed VanStrate

369-84-6871

Fred Lab III

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

[Signature]

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

[Signature]

Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

December 17th, 1997  
Date

(Local Reproduction Of This Form Authorized)





CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
(X) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools                      Owosso, MI 48867  
Address:    City:    State:    Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved:                      signatures:  
David Phelps    David Lee Phelps

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

(use other side if necessary)

3. Start & Completion dates:  
**March 18, 1994**

4. Location of the activity:  
**Central School**

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
**over**

6. IF ACM was removed, give the name and/or location of storage or disposal site the of ACM.





CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( X ) OSM under 763.91(d) "OSM disturbing friable ACBM."

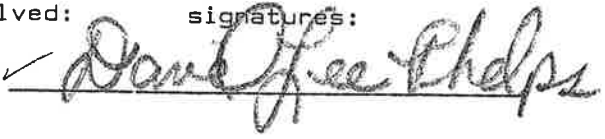
According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name: Owosso Public Schools

P.O. Box 340 Owosso, MI 48867  
Address: City: State: Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved: signatures:

<u>David Phelps</u>	
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

(use other side if necessary)

3. Start & Completion dates:  
December 14, 1994  
February 1, 1995

4. Location of the activity:  
Central School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
back

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
 ( X ) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.


1. Information on the contractor or person conducting the activity:  
 Name:

Owosso Public Schools                      Owosso, MI    48867  
 Address:    City:    State:    Zip:

Accreditation or contractor license number:  
 State accredited in:

2. Names of each individual involved:                      signatures:

David Lee Phelps



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

(use other side if necessary)

3. Start & Completion dates:

February 24, 1993

4. Location of the activity:

Central School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
 over

6. IF ACM was removed, give the name and/or location of storage or disposal site the of ACM.



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( X ) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools Owosso, MI 48867

Address: City: State: Zip:

Accreditation or contractor license number:

State accredited in:

2. Names of each individual involved: Signatures:

David Phelps

*David Lee Phelps*

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

(use other side if necessary)

3. Start & Completion dates:  
December 1, 1992

4. Location of the activity:  
Central School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.

**over**

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.













CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
(x) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools                      Owosso                      MI 48867

Address:    City:    State:                      Zip:

Accreditation or contractor license number:

State accredited in:

2. Names of each individual involved:                      signatures:

Dave Phelps

*Dave Phelps*

Bruce Hickmott

*Bruce R. Hickmott*

(use other side if necessary)

3. Start & Completion dates:

December 11, 1989

4. Location of the activity: Central School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
on back

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.

Venice Park Development  
9536 Lennon Road  
Lennon, MI 48449



CLEANING PROTOCOL  
and  
RECORD FORM

THE LEA IS REQUIRED TO CLEAN THE AREA CONTAINING FRIABLE ACBM AFTER EACH INSPECTION.

Cleaning requirements, 763.91(c) and Record keeping, 763.94(e)

Cleaning: [763.91.(c)]

(1) Initial Cleaning. - Unless the building has been cleaned using equivalent methods within the previous 6 months, all areas of a school building where friable ACBM, damaged or significantly damaged thermal system insulation ACBM, or friable suspected ACBM, assumed to be ACBM, are present shall be cleaned at least once after the completion of the inspection required by 763.85(a) and before the initiation of any response action, other than O&M activities or repair, according to the following procedures:

- (i) HEPA-vacuum or steam clean all carpets.
- (ii) HEPA-vacuum or wet-clean all other floor or horizontal surfaces.
- (iii) Dispose of all debris, filters, mop heads and cloths in sealed leak-tight containers. (See form 91F)

(2) Additional Cleaning. The accredited management planner shall make a written recommendation to the LEA whether additional cleaning is needed, and if so, the methods and frequency of such cleaning.

\* \* \* \* \*

Record keeping: [763.94(e)]

Name(s) of person who did the cleaning

Bruce Hickmott

Dave Phelps

Date of the cleaning June 27, 1989

Location cleaned Central School Pipe chase  
school Crawl space off custodial room &  
area(s) First floor boys restroom

Methods used for the cleaning:

Debris to be bagged  
Hepa vacuum



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( X ) O&M under 763.91(d) "O&M disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools                      Owosso                                      MI 48867  
Address:    City:    State:                      Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved:                      signatures:  
Roy Luft-Supervisor    Roy Luft  
Dave Phelps    Dave Phelps  
Bruce Hickmott    Bruce Hickmott  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(use other side if necessary)

3. Start & Completion dates:  
August 30-September 9, 1988

4. Location of the activity: Central  
over on back

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.

6. IF ACM was removed, give the name and/or location of storage or disposal site the of ACM.  
debris - Venice Park Development  
9536 Lennon Road  
Lennon, MI 48449





CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( x ) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:

Name: Owosso Public Schools

1405 W. North Owosso MI 48867

Address: City: State: Zip:

Accreditation or contractor license number:

State accredited in:

2. Names of each individual involved: signatures:

Bruce Hickmott

*Bruce Hickmott*

(use other side if necessary)

3. Start & Completion dates:

10/3/88 10/3/88

4. Location of the activity: Central School

Tunnel - Under Gym

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
Over

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.

Venice Park Development  
9536 Lennon Road  
Lennon, MI 48449



12/14/94

Boiler Room and Hallway in Basement -  
Removed duct tape off end of lines, joint  
connections, and elbows and replaced with  
wheat paste and muslin.

1/25/95

x In basement - electrical Room O.K.

x Storage Room (old custodian) O.K.

x Fan Room - O.K.

x Tunnel off Boiler Room - Removed duct tape  
from elbow and end of lines - replaced with  
wheat paste and muslin.

x Tunnel across from Fan Room (Basement)  
Removed duct tape from elbows, joint  
connections, and end of lines replaced  
with wheat paste and muslin.

1/26/95

x Top Floor Boys bathroom pipe chase.  
Removed duct tape from elbows and replaced  
with wheat paste and muslin.

x Underneath gym in old Boys locker room  
Removed duct tape from elbows, joint  
connections, open ends, and end of lines  
replacing with wheat paste and muslin.



1/27/95

In basement in old custodian room (Tunnel)  
Removed duct tape from end of lines, elbows,  
joint connections, and open ends replacing  
with wheat paste and muslin.

1/30/95

Tunnel off from old custodian room.  
Removed duct tape from end of lines,  
elbows, joint connections, and open ends  
replacing with wheat paste and muslin.

2/1/95 x Tunnel off from old custodian room

Finished the tunnel by removing duct  
tape from end of lines, elbows, joint  
connections, and open ends replacing  
with wheat paste and muslin.

x South end in Room 106 tunnel  
covered open ends, elbows, joint  
connections, and end of lines with  
wheat paste and muslin.

3/3/98

x main walk-tunnel in basement (south  
wall) by Big elbow wrapped with  
wheat paste and muslin also with  
2 elbows on the same line down  
by Boiler Room Door.



- x MAIN walk tunnel in Basement repaired  
6 gages on 10" line with wheat paste  
and muslin.
- x In Room 104 in the northwest corner of  
Room - Repaired elbow with wheat paste  
and muslin
- x In electrical Room - Repaired elbow  
and 2 open ends with wheat paste  
and muslin
- x In basement the Fan Room - Repaired  
2 open ends with wheat paste and muslin

4/13/2000

In basement on south wall in large  
storage area - Removed 3 elbows off  
water lines to supply kitchen up-  
stairs (bad leak). I (Dave) and Ed Van-  
strate Removed 3 elbows AS per the Asbestos  
program using the Hepa vacuum, lots of  
water, using respirators, and double bag  
procedure and then hauled to warehouse (O)  
for storage, where it was written on the  
bag where it came from.





# Asbestos work in 2005

2-4-05

In Mrs Cox's Room "old lounge" and on the eastside of stage in storage room. wrapped a variety of elbows, joints, and connection on heat unit in ceiling and steamline in the stage storage area. wrapped with wheat paste and muslin then afterwards vacuumed entire area with a Hepa vacuum to clean areas up of any residue. 2.5 hrs.



# Floor Tile

7-24-96

Removed 105-9" broken floor tile and replaced with 12"x12"

12-17-97

Removed 8-9" broken floor tile in Room 106 and replaced with 12"x12"

8-26-98

x Removed 3-9" tile in office bathroom and replaced with 12"x12"

x Removed 3-9" floor tile in Room 109 and replaced with 12"x12"

1/12/2000

In Room 202 replaced 1-9"x9" floor tile replaced tile by cutting down a 12"x12" to 9"x9" to fit.

7/17/2000

In the kitchen removed 352-9" ACM Resilent floor tile to be replaced with 12"x12"

6/20/2001

In Room 107 removed 1364-9" ACM Resilent floor tile to be replaced with carpeting.



9/17 700/7

6/21/2001

In Room 108 removed 1364-9" square ACM Resilent floor tile to be replaced with carpeting

4/8+9/03 In Room ~~208~~ 209 removed 1408-9" square ACM Resilent floor tile with Carpet Attached to be replaced with new Carpeting.

8/17/05 In Room 111 on the south wall Remove 9-9"x9" square ACM Resilent floor tile and replaced with 12"x12" new tile cut down to fit,

7/26/06 In Room 207 Removed 1408-9"x9" ACM Resilent floor tile and Replaced with Carpet & New 12"x12" floor tile.

7/25/06 In Room 203 Removed 33-9"x9" ACM Resilent floor tile and Replaced with 12"x12" tile cut down to 9"x9" to fit E.V.

9/21/06 In Room 204 Removed 48-9"x9" ACM Resilent floor tile. Replacement by Ed Van Strate at a later date I.O  
Vaccuned entire area to pick up any residue with a Hepa Vac.



9/21/06 At Central in Room 204 removed  
32 - 9"x9" ACM Resilient floor tile at night  
on overtime, with the same procedure as I  
did in the morning. After All was pulled used a  
Hepa vac and vacuumed entire area. Replaced Both  
areas with New Whole 12"x12" ~~tile~~ tile.  
3.0 hrs O.T, Ed did not Replace I did.





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Major Fiber Release

1. List Location and Description of Activities

SEE ATTACHED

2. List Start and Completion Dates of Activities

VARIOUS

3. Name and Location of Storage or Disposal Site for ACM

ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL



**FIBER RELEASE EPISODE PROTOCOL**  
**AHERA, section 763.91(f)**

- (1) Minor Fiber Release Episodes [763.91(f)(1) "i.e., the falling or dislodging of 3 square or linear feet or less of friable ACBM"].

In the event of a Minor Fiber Release Episode, the LEA shall insure that the following procedures are followed:

- (i) Thoroughly saturate the debris using wet methods.
- (ii) Clean the area as described in the O&M plan pages 3 & 4, item 5.B.
- (iii) Place the asbestos debris in a sealed, leak-tight container. (See form 91F)
- (iv) Repair the area of damaged ACM with materials such as asbestos-free spackling, plaster, cement, or insulation, or seal with latex paint or an encapsulant, or immediately have appropriate response action implemented as required by 763.90.

**NOTE:** This response action may only be carried out by personnel that have completed the 16 hour asbestos maintenance and repair training course.

- (2) Major Fiber Release Episodes [763.91(f)(2) The falling or dislodging of more than 3 square or linear feet of friable ACBM].

In the event of a Major Fiber Release Episode, the LEA shall insure that the following procedures are followed:

- (i) Restrict entry into the area and post signs to prevent entry into the area by persons other than those necessary to perform the response actions.
- (ii) Shut off or temporarily modify the air handling system to prevent the distribution of fibers to other areas in the building.
- (iii) The response action 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.



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Major Fiber Release (continued)**

4. Name of Contractor Involved

Last	First	M.I.
VARIOUS - SEE ATTACHED		

Signature of Contractor Involved

State of Accreditation

MI

Accreditation Number

VARIOUS

4. Name of Contractor Involved

Last	First	M.I.

Signature of Contractor Involved

State of Accreditation

Accreditation Number



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Minor Fiber Release

1. List Location and Method of Repair, Preventative Measures or Response Action Taken

SEE O&M ACTIVITIES FORM F-6

2. Date of Minor Fiber Release Episode

VARIOUS

3. Name and Location or Storage of Disposal Site for ACM

ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL  
SEE ATTACHED LANDFILL RECEIPTS/SHIPPING PAPERS

4. List Names of Persons Performing Repair or Cleanup

VARIOUS - SEE ATTACHED





**THREE YEAR ASBESTOS REINSPECTION**

**OWOSSO PUBLIC SCHOOLS  
1405 WEST NORTH STREET  
OWOSSO, MI 48867**

**APRIL 5, 1991**

1  
/ 1991



**Owosso Public Schools**  
1405 W North St  
Owosso, MI 48867

Designated Person - Mr. Donald W Leville  
Office - (517) 723-8131


The following reinspection was conducted by Tim Tanner. The inspector was responsible for all reinspection data generation and ACM assessments.

<u>Building Inspected:</u>	<u>Date Inspected</u>
1. Owosso High School	3-5-91
2. Owosso Jr. High School	3-5-91
3. Bentley Elementary School	3-5-91
4. Bryant School	3-5-91
5. Central School	3-5-91
6. Emerson School	3-5-91
7. Lincoln School	3-6-91
8. Roosevelt School	3-6-91
9. Washington School	3-6-91
10. Miscellaneous Buildings:	3-6-91
Administration	3-5-91
Bus Garage	3-6-91
Warehouse & Maintenance	3-6-91
Green Meadows School (storage)	3-5-91

Inspection Completion Date: 3/6/91

As the inspector, I have examined and assessed all ACM and assumed ACM materials identified in the initial inspection Report. The inspector's responsibility is to provide the documentation for the assessments of previously identified ACM. It is the responsibility of the LEA to provide documentation for New Materials and for ongoing AHERA Recordkeeping (including abatement, training, periodic surveillance, fiber release episodes, etc.) unless otherwise provided for by TTS Papersystem.

All quantifications are approximate. No additional cleaning was required under ACM unless such is indicated in the management plan. No foreseeable potential damage is anticipated unless otherwise indicated in this report. An asterisk in the report indicates that the condition of the ACM has changed or the material was not previously identified in the initial report. Within this report, if there is no item of Thermal System Insulation, Surfacing Material or Miscellaneous Material within a building or area, this indicates that no ACM item was listed in the initial report.

  
 \_\_\_\_\_  
 Signature - AHERA Inspector - Tim Tanner date

Accreditation # B-1031- U. of Illinois & USEPA

Trust Thermal Systems  
13109 Schavey Rd., Suite #2  
DeWitt, MI. 48820  
Phone: 1-517-669-8834



**Owosso High School**

**THERMAL SYSTEMS INSULATION**

**Boiler Room and Tunnels**

**ITEM #**

1. **WATER TANK COVER** 340 sq ft, of non-friable assumed ACM, in the basement boiler room
2. **ELBOWS:** 150 elbows non-friable assumed ACM, throughout the basement boiler room
3. **PIPE WRAP:** 280 lineal feet Aerocell non-friable assumed ACM, 30 linear feet at boiler room entrance in walkway under hall 250 linear feet on the water supply line south of the door to the boiler room.
4. **ELBOWS:** 1,050 elbows, non-friable assumed ACM, in the total tunnel system, all in good condition.
5. **PIPE WRAP AND ELBOWS:** non-friable assumed ACM, found in the following area:

**600 Wing of High School**

- a. Ag Room 25 linear feet hard white pipewrap on south end with 10 elbows
- b. Gym area pipechase in shower area 25 elbows
- c. Pool Storage 2 large pipes
- d. Air handling unit #4, 75 linear feet pipewrap and 35 elbows
- e. Gym 12 elbows each on 4 air handling units by ceiling
- f. Maintenance room 4 elbows on heater

**100 Wing of High School**

- g. 30 linear feet pipewrap in air handling unit in mechanical room
- h. 35 elbows

**200 Wing of High School**

- i. 20 linear feet pipewrap in air handling unit in the Air Handling room and pipechase
- j. 25 elbows in air handling unit in the Air Handling Room and pipechase.

**300 Wing of High School**

- k. 15 linear feet Aerocell pipewrap with 4 elbows in the Laundry Room



**High School - continued**

**400 Wing of High School**

- l. 7 elbows in the Mechanical room
- m. 15 linear feet pipewrap in the Mechanical Room
- n. 35 linear feet pipewrap in Auditorium storage on the North side:

- \* Though this is currently non-friable there is a **Potential for Damage** because box of storage material are being hit by material stored in the room.

- o. 75 sq ft with 10 elbows in the mechanical room on air handler units

**Office Area of High School**

- q. 7 elbows in the pipechase in Guidance Office
- r. 11 elbows in the pipechase between boys and girls restrooms

**Auditorium Area of High School**

- s. 7 elbows and 20 ft pipewrap in the fan room off auditorium

**Cafeteria Area of High School**

- t. 21 elbows and 6 linear feet pipewrap in the south fan room and Kitchen
- u. 9 elbows in the dish room in kitchen area
- v. 16 elbows and 15 linear feet gray pipewrap in the north fan room

**6. ROOF DRAINS:** locations as follows:

- a. 600 wing 4 roof drains each having 2 elbows non-friable assumed ACM, good condition.
- b. 600 wing Penthouse roof drain has 2 elbows assumed ACM, non-friable, good condition.

**MISCELLANEOUS MATERIAL**

- 7. **FLOOR TILE:** 85,499 sq ft non-friable assumed ACM, see Floor Tile Sheet for location
- 8. **LAB COUNTERS:** 150 linear feet assumed ACM, in science rooms
- 9. **STAGE CURTAIN:** 1 - 50x20 non-friable assumed ACM, in the 400 Wing Stage

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**





**Junior High School**

**THERMAL SYSTEM INSULATION**

1. **PIPE WRAP AND ELBOWS:** non-friable assumed ACM, located in the following area:
  - a. 15 elbows in the fan room below the basement level
  - b. 10 elbows in the tunnel under main hallway
  - c. 200 elbows, 10 feet of Aerocell pipe wrap in the basement crawlspace and storage room
  - d. 60 linear feet 6" Aerocell pipewrap with 30 linear feet of 4" Aerocell pipewrap found in the Attic. This piping is not being used.

**MISCELLANEOUS MATERIAL**

2. **FLOOR TILE:** 21,002 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**

**BENTLEY ELEMENTARY SCHOOL**

**THERMAL SYSTEM INSULATION**

**ITEM#**

1. **ELBOWS AND PIPE WRAP:** non-friable assumed ACM, in the following area:
  - a. 150 elbows, 200 linear feet hard pipewrap in the boiler room
  - b. 7 elbows, 15 linear feet pipewrap in the Fan Room
  - c. 2 ceiling drains with 4 feet pipewrap in the gym
  - d. 20 elbows in the pipechase between boys and girls rest rooms

**MISCELLANEOUS MATERIAL**

2. **FLOOR TILE:** 10,362 sq ft, floor tile non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**BRYANT ELEMENTARY SCHOOL**

**Removed Material since the first inspection:**

2 Brownell boilers with 180 sq ft non-friable assumed ACM

**THERMAL SYSTEMS INSULATION**

**Area #1 - Original Building**

**ITEM #**

**1. ELBOWS AND PIPE WRAP: Non-friable, assumed ACM in the following locations:**

- a. 50 linear feet Pipewrap, 21 elbows in the boiler room
- b. 58 elbows 210 linear feet pipewrap in the custodial room
- c. 2 elbows in the gym ceiling
- d. Title I room 2 elbows in the office storage room

**Area #3 - 1950 Tunnels and Crawlspace**

- e. 360 linear feet in the North wing rooms 103-121 Aerocell pipewrap on water line running down the center
- f. 45 elbows 247 linear feet pipewrap (unless fiberglass PW) located in the center wing.

**Area #2 - 1957**

- g. 4 feet of pipewrap west side of hallway
- h. 52 elbows in the east wing
- i. 33 elbows in the west wing.
- j. 24 elbows and 80 linear feet Aerocell pipewrap in the main hallway

**SURFACING MATERIAL**

**Area #2 - 1957**

- 2. SPRAY-ON CEILING: 12,160 sq ft non-friable ACM, in the hallway and classroom**

**MISCELLANEOUS MATERIAL**

**Area #1 - Original**

- 3. INCINERATOR: coating inside, non-friable assumed ACM**
- 4. FLOOR TILE: 23,258 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location**

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**CENTRAL ELEMENTARY SCHOOL**

**Removed Material since the first inspection:**

2 boiler jackets, #1-256 sq ft, #2-256 sq ft, non-friable assumed ACM

200 sq ft, non-friable assumed ACM, good condition.

250 linear feet Aerocell pipewrap, 50 elbows in the boiler room both north and south crawlspace and fan room.

**THERMAL SYSTEMS INSULATION**

1. **PIPE WRAP AND ELBOWS:** The following areas have non-friable assumed ACM, as listed:

**Area #2**

- b. 336 linear feet pipewrap and 65 elbows in the first floor in stage area air handling units, pipechase in boy rest rooms.

**Area #3**

- c. 15 elbows and 25 feet of pipewrap this is found in the ceiling and in the boys and girl's rest room pipe chase.

**MISCELLANEOUS MATERIALS**

2. **FLOOR TILE:** 13,646 sq ft, Floor tile non-friable assumed ACM, found throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHERWISE STATED**



**EMERSON ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:** Since the first AHERA inspection the following changes were items were removed:

- Area #1 - Number 2 boiler jacket,
- Area #1 - 145 liner ft & 15 elbows in the south crawlspace,
- Area #1 - 50 liner ft in the storage room,
- Area #2 - spray-on ceiling in the west Lobby entrance and stairwell 250 sq ft

Area #2

ITEM #:

1. **ELBOWS:** 105 elbows non-friable assumed ACM, in the tunnel under the kitchen area.

**SURFACING MATERIAL**

Area #2

2. **SPRAY-ON CEILINGS:** 6,766 sq ft, friable ACM, in the hallway and classrooms in the school, the height of the ceiling and the used of the building causes the potential for damage to be minimal.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 22,220 sq ft, floor Tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**





**LINCOLN ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Area #1**

**Removed Material:** Since the first AHERA inspection the following changes were items were removed:

- All pipe wrap and elbows in the Boiler room and in the Crawlspace of this building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**

**ROOSEVELT ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:** Since the first AHERA inspection the following changes were items were removed:

- All pipe wrap and elbows were removed in the boiler room and crawlspace in this building in both areas #1 & #2.

**MISCELLANEOUS MATERIAL**

**ITEM #:**

1. **FLOOR TILE:** 3,545 sq ft floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**WASHINGTON ELEMENTARY SCHOOL**

**Removed Material since the first inspection:**

Floor tile in the following rooms, #4, #5, #6, #7, #8.

**THERMAL SYSTEMS INSULATION**

**Area #1 - 1924**

**1. PIPE WRAP AND ELBOWS: All are non-friable assumed ACM, listed in the following area:**

- a. 70 linear feet Aerocell pipewrap, 25 elbows in the crawlspace.
- b. 20 linear feet of Aerocell and 30 elbows in the fan room.
- c. 35 linear feet 12" Pipewrap, 10 elbows in the old boiler room.
- d. 35 linear feet Aerocell pipewrap, 4 elbows in crawlspace under the media center.

**Area #2 - 1949**

- e. 95 linear feet of pipe wrap with 35 elbows in the storage area in the basement.

**Area #3 - 1949**

- d. 23 linear feet Aerocell pipewrap in south end 7 elbows in the Title I Room
- e. 3 lines Aerocell pipewrap, 12 linear feet under the stairway by the circulation pump.
- f. 300 linear feet Aerocell pipewrap and 55 elbows found under the gym in the crawlspace and kindergarten room.

**MISCELLENEOUS MATERIAL**

**2. FLOOR TILE: 15,717 sq ft, floor tile non-friable assumed ACM, throughout the building.**

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**Administration Building**

**MISCELLANEOUS MATERIAL**

**ITEM #**

1. **FLOOR TILE:** 153 sq ft floor tile, non-friable assumed ACM, throughout building.

**Warehouse**

**THERMAL SYSTEMS INSULATION**

1. **PIPE WRAP AND ELBOWS:** 20 linear feet Aerocell pipewrap non-friable assumed ACM, with one elbow by the restroom door.

**Green Meadows School (Storage)**

**THERMAL SYSTEMS INSULATION**

1. **BOILER COVER:** 180 sq ft boiler jacket, non-friable assumed ACM, in boiler room.
2. **PIPE WRAP AND ELBOWS:** 250 linear feet Pipewrap, 65 elbows, non-friable assumed ACM, in boiler room and tunnels.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 6,000 sq ft floor tile, non-friable assumed ACM, Throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**SECOND 3-YEAR ASBESTOS REINSPECTION**

**OWOSSO PUBLIC SCHOOL  
1405 W. North Street**

**Miscellaneous Buildings:  
Administration  
Bus Garage  
Warehouse & Maintenance  
Green Meadows School (storage)**

**March 24, 1994**

**2  
1994**





## Owosso Public Schools

1405 W North St  
Owosso, MI 48867

Designated Person: Mr. Donald W. Leville,

Office: (517) 723-8131


The following reinspection was conducted by Tim Tanner. The inspector was responsible for all reinspection data generation and ACM assessments.

Building Inspected:	Date Inspected
1. Owosso High School	3-25-94
2. Owosso Jr. High School	3-24-94
3. Bentley Elementary School	3-24-94
4. Bryant School	3-24-94
5. Central School	3-24-94
6. Emerson School	3-24-94
7. Lincoln School	3-24-94
8. Roosevelt School	3-24-94
9. Washington School	3-24-94
10. Miscellaneous Buildings:	3-24-94
Administration	3-25-94
Bus Garage	3-24-94
Warehouse & Maintenance	3-24-94
Green Meadows School (storage)	3-24-94

Inspection Completion Date: 3/25/94

As the inspector, I have examined and assessed all ACM and assumed ACM materials identified in the initial inspection Report. The inspector's responsibility is to provide the documentation for the assessments of previously identified ACM. It is the responsibility of the LEA to provide documentation for New Materials and for ongoing AHERA Recordkeeping (including abatement, training, periodic surveillance, fiber release episodes, etc.) unless otherwise provided for by TTS Papersystem.

All quantifications are approximate. No additional cleaning was required under ACM unless such is indicated in the management plan. No foreseeable potential damage is anticipated unless otherwise indicated in this report. An asterisk in the report indicates that the condition of the ACM has changed or the material was not previously identified in the initial report. Within this report, if there is no item of Thermal System Insulation, Surfacing Material or Miscellaneous Material within a building or area, this indicates that no ACM item was listed in the initial report.

  
Signature - AHERA Inspector - Tim Tanner      3-30-94      date  
Accreditation # B-1031- U. of Illinois & USEPA

Trust Thermal Systems,  
12451 US 27,  
DeWitt, MI 48820  
Phone: (517) 669-8834



Owosso High School

THERMAL SYSTEMS INSULATION

Boiler Room and Tunnels

ITEM #

1. **WATER TANK COVER:** 340 sq ft, of non-friable assumed ACM, in the basement boiler room
2. **ELBOWS:** 150 elbows non-friable assumed ACM, throughout the basement boiler room
3. **PIPE WRAP:** 280 lineal feet Aerocell non-friable assumed ACM, 30 linear feet at boiler room entrance in walkway under hall 250 linear feet on the water supply line south of the door to the boiler room.
4. **ELBOWS:** 1,050 elbows, non-friable assumed ACM, in the total tunnel system, all in good condition.
5. **PIPE WRAP AND ELBOWS:** non-friable assumed ACM, found in the following area:
  - 600 Wing of High School
    - a. Ag Room 25 linear feet hard white pipewrap on south end with 10 elbows
    - b. Gym area pipechase in shower area 25 elbows
    - c. Pool Storage 2 large pipes
    - d. Air handling unit #4, 75 linear feet pipewrap and 35 elbows
    - e. Gym 12 elbows each on 4 air handling units by ceiling
    - f. Maintenance room 4 elbows on heater
  - 100 Wing of High School
    - g. 30 linear feet pipewrap in air handling unit in mechanical room
    - h. 35 elbows
  - 200 Wing of High School
    - i. 20 linear feet pipewrap in air handling unit in the Air Handling room and pipechase
    - j. 25 elbows in air handling unit in the Air Handling Room and pipechase.
  - 300 Wing of High School
    - k. 15 linear feet Aerocell pipewrap with 4 elbows in the Laundry Room
  - 400 Wing of High School
    - l. 7 elbows in the Mechanical room
    - m. 15 linear feet pipewrap in the Mechanical Room
    - n. 35 linear feet pipewrap in Auditorium storage on the North side:
      - \* Though this is currently non-friable there is a **Potential for Damage** because box of storage material are being hit by material stored in the room.
    - o. 75 sq ft with 10 elbows in the mechanical room on air handler units



**Office Area of High School**

- q. 7 elbows in the pipechase in Guidance Office
- r. 11 elbows in the pipechase between boys and girls restrooms

**Auditorium Area of High School**

- s. 7 elbows and 20 ft pipewrap in the fan room off auditorium

**Cafeteria Area of High School**

- t. 21 elbows and 6 linear feet pipewrap in the south fan room and Kitchen
- u. 9 elbows in the dish room in kitchen area
- v. 16 elbows and 15 linear feet gray pipewrap in the north fan room

**6. ROOF DRAINS:** locations as follows:

- a. 600 wing 4 roof drains each having 2 elbows non-friable assumed ACM, good condition.
- b. 600 wing Penthouse roof drain has 2 elbows assumed ACM, non-friable, good condition.

**MISCELLANEOUS MATERIAL**

- 7. FLOOR TILE:** 85,499 sq ft non-friable assumed ACM, see Floor Tile Sheet for location
- 8. LAB COUNTERS:** 150 linear feet assumed ACM, in science rooms
- 9. STAGE CURTAIN:** 1 - 50x20 non-friable assumed ACM, in the 400 Wing Stage

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



**Junior High School**

**THERMAL SYSTEM INSULATION**

- 1. PIPE WRAP AND ELBOWS:** non-friable assumed ACM, located in the following area:
- a. 15 elbows in the fan room below the basement level
  - b. 10 elbows in the tunnel under main hallway
  - c. 200 elbows, 10 feet of Aerocell pipe wrap in the basement crawlspace and storage room
  - d. 60 linear feet 6" Aerocell pipewrap with 30 linear feet of 4" Aerocell pipewrap found in the Attic.  
The Piping is not being used.

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 21,002 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**

**BENTLEY ELEMENTARY SCHOOL**

**THERMAL SYSTEM INSULATION**

**ITEM#**

- 1. ELBOWS AND PIPE WRAP:** non-friable assumed ACM, in the following area:
- a. 150 elbows, 200 linear feet hard pipewrap in the boiler room
  - b. 7 elbows, 15 linear feet pipewrap in the Fan Room
  - c. 2 ceiling drains with 4 feet pipewrap in the gym
  - d. 20 elbows in the pipechase between boys and girls rest rooms

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 10,362 sq ft, floor tile non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**





**BRYANT ELEMENTARY SCHOOL**

**Removed Material :** According to the first inspection 2 Brownell boilers with 180 sq ft non-friable assumed ACM In 1990 when the new boiler was put in the 50 Liner feet and 21 elbows were taken out according to the School.  
Spray-on ceiling in the 1957 section was removed because of a fire.  
The incinerator was tested and removed as non ACM.

**THERMAL SYSTEMS INSULATION**

**Area #1 - Original Building**

**ITEM #**

- 1. ELBOWS AND PIPE WRAP:** Non-friable, assumed ACM in the following locations:
- a. 58 elbows 210 linear feet pipewrap in the custodial room
  - b. 2 elbows in the gym ceiling
  - c. Title I room 2 elbows in the office storage room

**Area #3 - 1950 Tunnels and Crawlspace**

- d. 360 linear feet in the North wing rooms 103-121 Aerocell pipewrap on water line running down the center
- e. 45 elbows 247 linear feet pipewrap (unless fiberglass PW) located in the center wing.

**Area #2 - 1957**

- f. 4 feet of pipewrap west side of hallway
- g. 52 elbows in the east wing
- h. 33 elbows in the west wing.
- i. 24 elbows and 80 linear feet Aerocell pipewrap in the main hallway

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 23,258 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



**CENTRAL ELEMENTARY SCHOOL**

**Removed Material**

2 boiler jackets, #1-256 sq ft, #2-256 sq ft, non-friable assumed ACM 200 sq ft, non-friable assumed ACM, good condition.  
250 linear feet Aerocell pipewrap, 50 elbows in the boiler room both north and south crawlspace and fan room.

**THERMAL SYSTEMS INSULATION**

**1. PIPE WRAP AND ELBOWS:** The following area have non-friable assumed ACM, as listed:

**Area #2**

b. 336 linear feet pipewrap and 65 elbows in the first floor in stage and attic area air handling units, pipechase in boy rest rooms.

**Area #3**

c. 15 elbows and 25 feet of pipewrap this is found in the ceiling and in the boys and girl's rest room pipe chase.

**MISCELLANEOUS MATERIALS**

**2. FLOOR TILE:** 13,646 sq ft, Floor tile non-friable assumed ACM, found throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**

**NEW MATERIAL:**

**1. UNIVENT BOOTS: 192 square inch, Assumed ACM, Non friable gray cloth boot, located in  
the old locker room on the air handler.**



**EMERSON ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:**

- Area #1 - Number 2 boiler jacket,
- Area #1 -145 liner ft & 15 elbows in the south crawlspace,
- Area #1 - 50 liner ft in the storage room,
- Area #2 - spray-on ceiling in the west Lobby entrance and stairwell 250 sq ft

Area #2

1. **ELBOWS:** 105 elbows non-friable assumed ACM, in the tunnel under the kitchen area.

**SURFACING MATERIAL**

Area #2

2. **SPRAY-ON CEILINGS:** 6,766 sq ft, friable ACM, in the hallway and classrooms in the school, the height of the ceiling and the used of the building causes the potential for damage to be minimal.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 22,220 sq ft, floor Tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**

**LINCOLN ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:**

All pipe wrap and elbows in the Boiler room and in the Crawlspace of this building.

1. **FLOOR TILE:** 70 square feet, Assumed ACM, Non Friable, located in the small kitchen on the main floor.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



**ROOSEVELT ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:**

All pipe wrap and elbows were removed in the boiler room and crawlspace in this building in both areas #1 & #2.

**MISCELLANEOUS MATERIAL**

**ITEM #:**

1. **FLOOR TILE:** 3,545 sq ft floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**





**WASHINGTON ELEMENTARY SCHOOL**

**Removed Material**

Floor tile in the following rooms, #4, #5, #6, #7, #8.

**THERMAL SYSTEMS INSULATION**

**Area #1 - 1924**

- 1. PIPE WRAP AND ELBOWS:** All are non-friable assumed ACM, listed in the following area:
- a. 70 linear feet Aerocell pipewrap, 25 elbows in the crawlspace.
  - b. 20 linear feet of Aerocell and 30 elbows in the fan room.
  - c. 35 linear feet 12" Pipewrap, 10 elbows in the old boiler room.
  - d. 35 linear feet Aerocell pipewrap, 4 elbows in crawlspace under the media center.

**Area #2 - 1949**

- e. 95 linear feet of pipe wrap with 35 elbows in the storage area in the basement.

**Area #3 - 1949**

- d. 23 linear feet Aerocell pipewrap in south end 7 elbows in the Title I Room
- e. 3 lines Aerocell pipewrap, 12 linear feet under the stairway by the circulation pump.
- f. 300 linear feet Aerocell pipewrap and 55 elbows found under the gym in the crawlspace and kindergarten room.

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 15,717 sq ft, floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**

**NEW MATERIAL:**

- 1. UNIVENT BOOTS:** 960 square inches, Assumed ACM, Non friable gray boot, located in the fan room.



**Administration Building**

**MISCELLANEOUS MATERIAL**

1. **FLOOR TILE:** 153 sq ft floor tile, non-friable assumed ACM, throughout building.

**Warehouse**

**THERMAL SYSTEMS INSULATION**

1. **PIPEWRAP AND ELBOWS:** 20 linear feet Aerocell pipewrap non-friable assumed ACM, with one elbow by the restroom door.

**Green Meadows School (Storage)**

This building is not entered by any one but school personal and there is water damaged in the building because of room and window leaks.

**THERMAL SYSTEMS INSULATION**

1. **BOILER COVER:** 180 sq ft boiler jacket, non-friable assumed ACM, in boiler room.
2. **PIPE WRAP AND ELBOWS:** 250 linear feet Pipewrap, 65 elbows, non-friable assumed ACM, in boiler room and tunnels.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 6,000 sq ft floor tile, non-friable assumed ACM, Throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



THIRD 3 YEAR ASBESTOS REINSPECTION

OWOSSO PUBLIC SCHOOLS  
1405 W. NORTH STREET  
OWOSSO, MI 48867

3/1997



THOMAS J. LOWE, PRESIDENT

ESTABLISHED - 1979

(517) 669-8834  
FAX (517) 669-8836



## Management Planner Report for Owosso Public Schools

March 27, 1997

Mr. Les Monroe  
Owosso Public Schools  
1405 W. North Street  
Owosso MI 48867

The following report contains response actions which you as a Designated Person must consider. Quantifications and identifications of ACM or assumed ACM were derived from the initial inspection report. The following recommendations were determined from the EPA Tree (Form 90Bb) and AHERA. We have provided a convenient format below for you to mark your response to our recommendations. For those items for which you would decide to take a more aggressive approach (i.e. removal) or for those recommendations with which you would disagree, please mark the appropriate box and provide in writing an explanation back to TTS within 10 days.

Please note that no additional cleaning under ACM has been required except as noted below. All materials that are listed in the re-inspection report but not listed in this management planner report are to be maintained under your O & M plan. The response action listed may begin immediately, but is to be completed by the date listed in this report.

Agree    Disagree

### OWOSSO HIGH SCHOOL

       ELBOWS: Assumed ACM in the boiler room as follows:

- \*Damage - 3" tear on steam header above boiler #1
- \*Damage - 6" of exposed material by the sink
- \*Damage - Quarter-sized gouge by valve #6

All material which is damaged and friable is to be rewrapped/repaired by trained personnel.

       ELBOWS: Assumed ACM in the tunnel system as follows:

- \*Damage - one open end 30' down main tunnel to 600 wing
- \*Damage - one open end at entrance to Cafeteria crawlspace
- \*Damage - one elbow falling off South of Choir room by the corner of the tunnel





High School (Continued)

Agree Disagree

\_\_\_\_\_

- \*Damage - one elbow, wrap is falling off approximately 20 South of other Choir room
- \*Damage - one elbow, wrap is falling off under Bandroom
- \*Damage - Wrap is coming off elbow by Valve #86
- \*Damage - elbow has separated from straight just west of Valve #86

All material which is damaged and friable is to be rewrapped/repared by trained personnel.

**BRYANT ELEMENTARY SCHOOL**

\_\_\_\_\_

PIPE WRAP: Assumed ACM in the following locations:

- \*Damage - 6" of wrap in the electrical room has been removed 5' from South door

All material which is damaged and friable is to be rewrapped/repared by trained personnel.

**EMERSON ELEMENTARY SCHOOL**

\_\_\_\_\_

SPRAY ON MATERIAL: Friable ACM in hallway:

- \*Damage - 4 quarter-size gouges outside Room #201 from an old roof leak. Roof leak was repaired according to school personnel.

All material which is damaged and friable is to be repaired by trained personnel.

**WASHINGTON ELEMENTARY SCHOOL**

\_\_\_\_\_

PIPEWRAP: Assumed ACM on 12" line outside old boiler room:

- \*Damage - 3" gouge just outside old boiler room door in hallway

All material which is damaged and friable is to be rewrapped/repared by trained personnel.







## Third 3-Year Reinspection

## Owosso High School

## THERMAL SYSTEMS INSULATION

## Boiler Room and Tunnels

## ITEM #

1. **WATER TANK COVER:** 340 sq ft, of non-friable assumed ACM, in the basement boiler room
2. **ELBOWS:** 150 elbows non-friable assumed ACM in good condition throughout the basement boiler room except:
  - \*Damage - 3" tear on steam header above boiler #1
  - \*Damage - 6" of exposed material by the sink
  - \*Damage - Quarter-sized gouge by valve #6
3. **PIPE WRAP:** 280 lineal feet Aerocell non-friable assumed ACM, 30 linear feet at boiler room entrance in walkway under hall 250 linear feet on the water supply line south of the door to the boiler room.
4. **ELBOWS:** 1,050 elbows, non-friable assumed ACM, in the total tunnel system, in good condition except:
  - \*Damage - one open end 30' down main tunnel to 600 wing
  - \*Damage - one open end at entrance to Cafeteria crawlspace
  - \*Damage - one elbow falling off South of Choir room by the corner of the tunnel
  - \*Damage - one elbow, wrap is falling off approximately 20 South of other Choir room elbow
  - \*Damage - one elbow, wrap is falling off under Bandroom
  - \*Damage - Wrap is coming off elbow by Valve #86
  - \*Damage - elbow has separated from straight just west of Valve #86
5. **PIPE WRAP AND ELBOWS:** non-friable assumed ACM, found in the following area:
 

600 Wing of High School

  - a. Ag Room - 2 elbows in the storage room are non-friable assumed ACM.
 

NOTE: The last report lists this as 25 linear feet hard white pipewrap on south end with 10 elbows. This could not be located.
  - b. Gym area pipechase in shower area 25 elbows
  - c. Pool Storage 2 large pipes
  - d. Air handling unit above shower room 75 linear feet pipewrap and 35 elbows
  - e. Gym 12 elbows each on 4 air handling units by ceiling
  - f. Maintenance room 4 elbows on heater
  - g. Auto Shop - 20' of Hard white pipewrap and 4 elbows in storage area.
 

This material has potential for damage because it is in a high traffic area used by both teachers and students for auto parts storage.
  - h. Pipe chase by Girl's bathroom in 600 Wing - 15 elbows



## Third 3-Year Reinspection

## 100 Wing of High School

- i. 30 linear feet pipewrap and 35 elbows in air handling unit in mechanical room

## 200 Wing of High School

- j. 20 linear feet pipewrap in air handling unit in the Air Handling room and pipechase
- k. 25 elbows in air handling unit in the Air Handling Room and pipechase.

\*Damage - There is one elbow in the tunnel directly below the pipechase where the wrap has rotted off exposing material.

## 300 Wing of High School

- l. 15 linear feet Aerocell pipewrap with 4 elbows in the Laundry Room

## 400 Wing of High School

- m. 7 elbows in the Mechanical room
- n. 15 linear feet pipewrap in the Mechanical Room
- o. 35 linear feet pipewrap in Auditorium storage on the North side:
- p. 75 sq ft with 10 elbows in the mechanical room on air handler units
- q. Pipe chase in boy's bathroom of 400 Wing has 15 elbows

\*Damage - Wrap on one elbow just inside the door of pipechase has been torn.

## Office Area of High School

- r. 7 elbows in the pipechase in Guidance Office - There is a **potential for damage** to some of these elbows since material is stored on top of them.
- s. 11 elbows in the pipechase between boys and girls restrooms

## Auditorium Area of High School

- t. 7 elbows and 20 ft pipewrap in the fan room off auditorium

## Cafeteria Area of High School

- u. 21 elbows and 6 linear feet pipewrap in the south fan room and Kitchen
- v. 9 elbows listed in the last report in the dish room in kitchen area could not be located
- w. 16 elbows and 15 linear feet gray pipewrap in the north fan room

**6. ROOF DRAINS:** locations as follows:

- a. 600 wing 4 roof drains each having 2 elbows non-friable assumed ACM
- b. 600 wing Penthouse roof drain has 2 elbows assumed ACM, non-friable





**Third 3-Year Reinspection****MISCELLANEOUS MATERIAL**

7. **FLOOR TILE:** 85,499 sq ft non-friable assumed ACM, see Floor Tile Sheet for location
8. **LAB COUNTERS:** 150 linear feet assumed ACM non-friable, in science rooms
9. **STAGE CURTAIN:** 1 - 50x20 non-friable assumed ACM, in the 400 Wing Stage

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



## Third 3-Year Reinspection

**Junior High School****THERMAL SYSTEM INSULATION****1. PIPE WRAP AND ELBOWS:** non-friable assumed ACM, located in the following area:

- a. 15 elbows in the weight room below the basement level

NOTE: This was incorrectly listed as the fan room in the last report

- b. 10 elbows in the tunnel under main hallway (accessed from door in fan room)

- c. 200 elbows, 10 feet of Aerocell pipe wrap in the basement fan room

NOTE: This was incorrectly listed as the basement crawlspace and storage room

- d. 60 linear feet 6" Aerocell pipewrap with 30 linear feet of 4" Aerocell pipewrap found in the Attic of Third floor.

- e. 5 hard white elbows on water meter in meter room

- f. 15 elbows on fiberglass wrap in pool service room.

NOTE: This material was not listed on the last report

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 21,002 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



## Third 3-Year Reinspection

**BENTLEY ELEMENTARY SCHOOL**

Removed Material since last inspection: Old hot water heater and attached ACM elbows

**THERMAL SYSTEM INSULATION**

ITEM#

1. **ELBOWS AND PIPE WRAP:** non-friable assumed ACM, in the following area:

- a. 150 elbows, 200 linear feet hard pipewrap in the boiler room
- b. 7 elbows, 15 linear feet pipewrap in the Fan Room
- c. 2 ceiling drains with 4 feet pipewrap in the gym
- d. 20 elbows in the pipechase between boys and girls rest rooms

**MISCELLANEOUS MATERIAL**

2. **FLOOR TILE:** 10,362 sq ft, floor tile non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



7  
Third 3-Year Reinspection

**BRYANT ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

Area #1 - Original Building

ITEM #

**1. ELBOWS AND PIPE WRAP: Non-friable, assumed ACM in the following locations:**

a. 58 elbows 210 linear feet pipewrap in the electrical room

\*Damage - 6" of wrap has been removed 5' from South door

b. 2 elbows in the gym ceiling

c. Title I room 2 elbows in the office storage room

Area #3 - 1950 Tunnels and Crawlspace

d. 360 linear feet in the North wing rooms 103-121 Aerocell pipewrap on water line running down the center

e. 45 elbows 247 linear feet pipewrap (unless fiberglass PW) located in the center wing.

Area #2 - 1957

f. 4 feet of pipewrap west side of hallway

g. 52 elbows in the east wing

h. 33 elbows in the west wing.

i. 24 elbows and 80 linear feet Aerocell pipewrap in the main hallway

**MISCELLANEOUS MATERIAL**

**2. FLOOR TILE: 23,258 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location**

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**





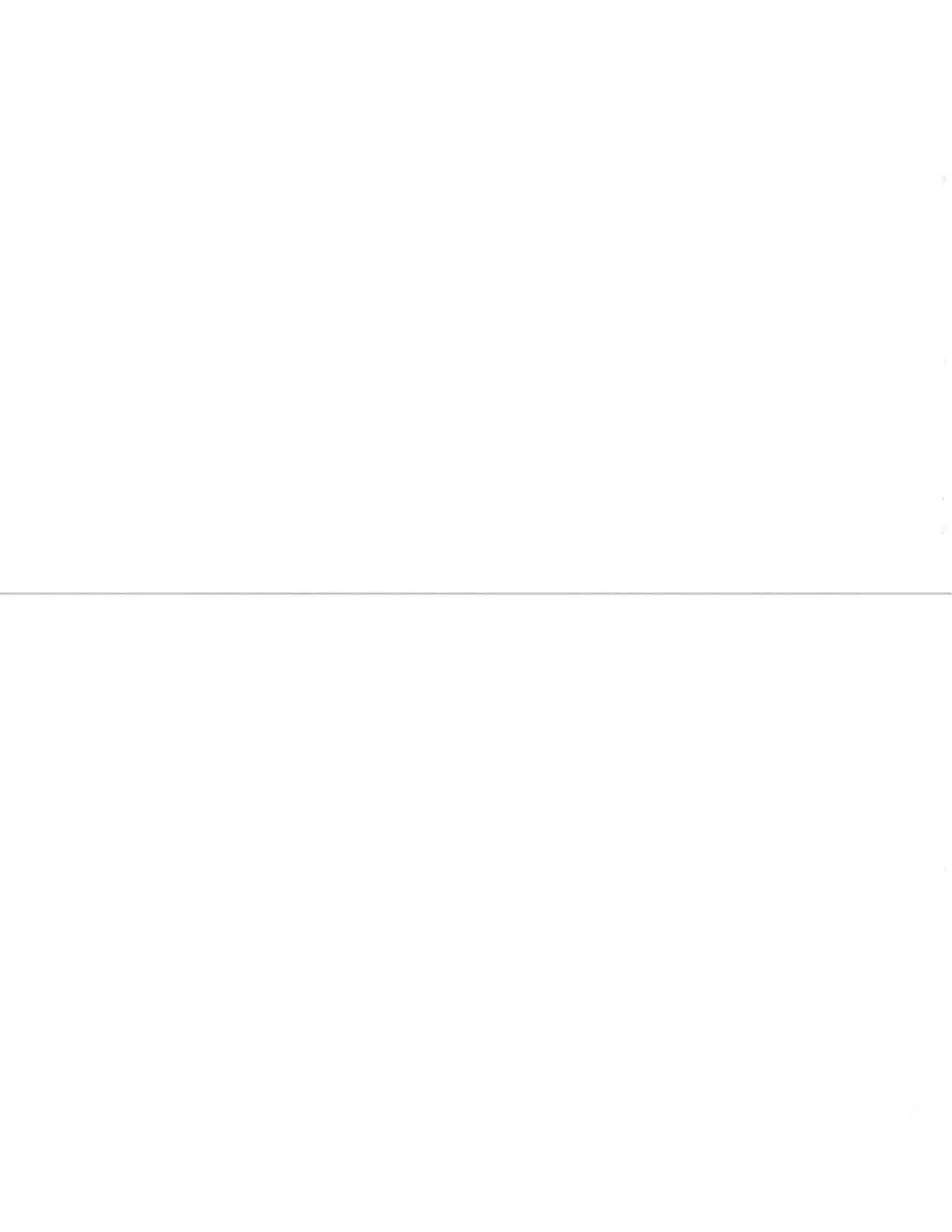
**Third 3-Year Reinspection****CENTRAL ELEMENTARY SCHOOL****THERMAL SYSTEMS INSULATION**

- 1. PIPE WRAP AND ELBOWS:** The following area have non-friable assumed ACM, as listed:
  - a. Approximately 636 linear feet pipewrap and 65 elbows throughout basement, first floor pipe chase and attic area.
  - b. UNIVENT BOOTS: 192 square inch, Assumed ACM, Non friable gray cloth boot, located in the old locker room on the air handler.
  - c. 15 elbows and 25 feet of pipewrap in the ceiling and in the boys and girl's rest room pipe chase.

**MISCELLANEOUS MATERIALS**

- 2. FLOOR TILE:** 13,646 sq ft, Floor tile non-friable assumed ACM, found throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



**Third 3-Year Reinspection****EMERSON ELEMENTARY SCHOOL****THERMAL SYSTEMS INSULATION****Area #2**

1. **ELBOWS:** 105 elbows non-friable assumed ACM, in the tunnel under the kitchen area.

**SURFACING MATERIAL****Area #2**

2. **SPRAY-ON CEILINGS:** 6,766 sq ft, friable ACM, in the hallway and classrooms throughout the school

\*Damage - 4 quarter-size gouges outside Room #201 from an old roof leak. Roof leak was repaired according to school personnel.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 22,220 sq ft, floor Tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



Third 3-Year Reinspection

**LINCOLN ELEMENTARY SCHOOL**

**MISCELLANEOUS MATERIAL**

1. **FLOOR TILE:** 70 square feet, Assumed ACM, Non Friable, located in the small kitchen on the main floor.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED  
ACM UNLESS OTHER WISE STATED**



**Third 3-Year Reinspection**

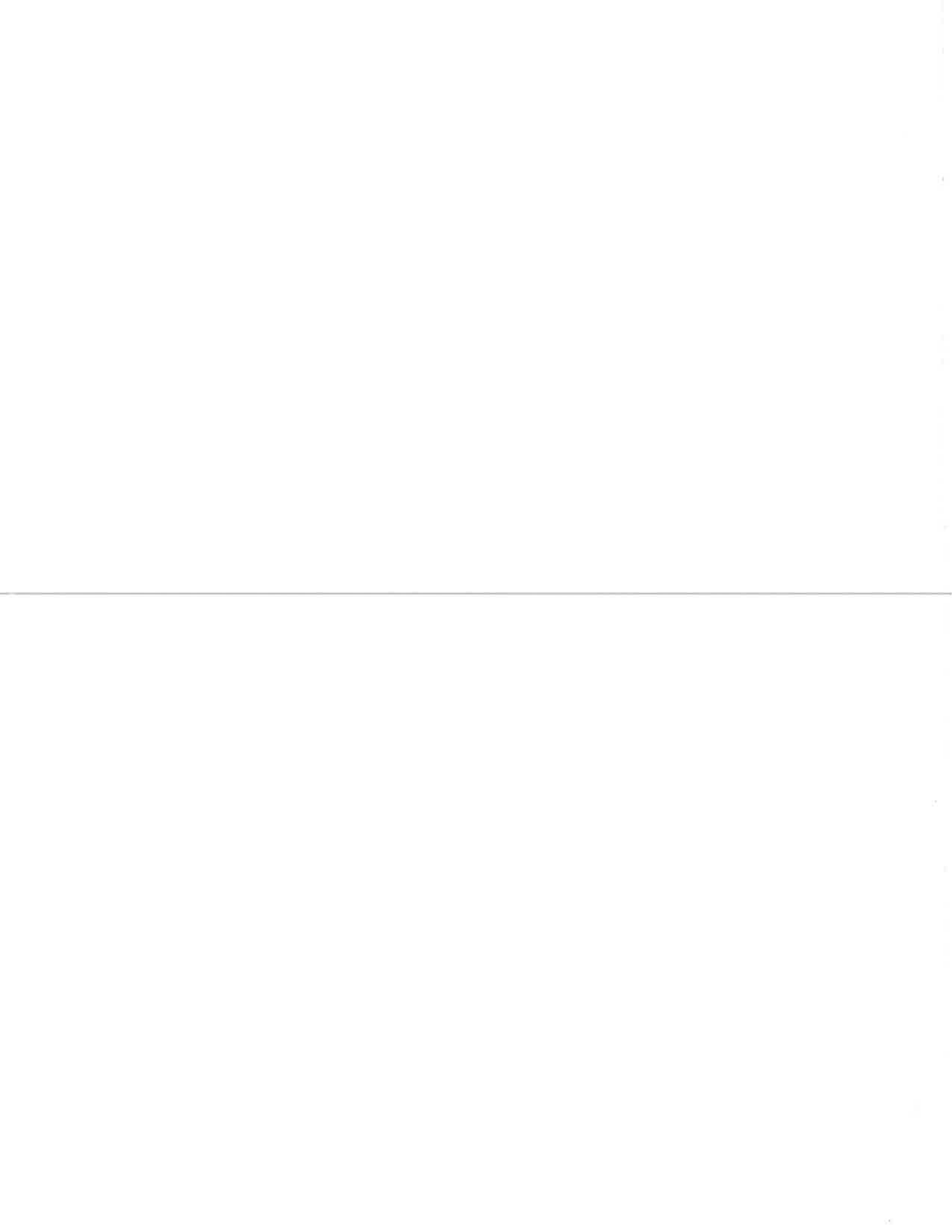
**ROOSEVELT ELEMENTARY SCHOOL**

**MISCELLANEOUS MATERIAL**

**ITEM #:**

- 1. FLOOR TILE:** 3,545 sq ft floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**





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Third 3-Year Reinspection

**WASHINGTON ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Area #1 - 1924**

**1. PIPE WRAP AND ELBOWS:** All are non-friable assumed ACM, listed in the following area:

- a. 70 linear feet Aerocell pipewrap, 25 elbows in the crawlspace.
- b. 20 linear feet of Aerocell and 30 elbows in the fan room.
- c. UNIVENT BOOTS: 960 square inches, Assumed ACM, Non friable gray boot, located in the fan room.
- d. 35 linear feet 12" Pipewrap, 10 elbows in the old boiler room.

\*Damage - 3" gouge just outside old boiler room door in hallway

- e. 35 linear feet Aerocell pipewrap, 4 elbows in crawlspace under the media center.

**Area #2 - 1949**

- f. 95 linear feet of pipe wrap with 35 elbows in old storage area (now called Music Room) in the basement.

**Area #3 - 1949**

- g. 23 linear feet Aerocell pipewrap in south end 7 elbows in the Title I Room
- h. 3 lines Aerocell pipewrap, 12 linear feet under the stairway by the circulation pump.
- i. 300 linear feet Aerocell pipewrap and 55 elbows found under the gym in the crawlspace and kindergarten room.

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 15,717 sq ft, floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED  
ACM UNLESS OTHER WISE STATED**



13  
Third 3-Year Reinspection

**Administration Building**

**MISCELLANEOUS MATERIAL**

1. **FLOOR TILE:** 153 sq ft 9 x 9 floor tile, non-friable assumed ACM, in kitchen area
2. **FLOOR TILE:** 120 sq ft 9 x 9 floor tile, non-friable assumed ACM in records storage room

**Warehouse**

**THERMAL SYSTEMS INSULATION**

1. **PIPEWRAP AND ELBOWS:** 20 linear feet Aerocell pipewrap non-friable assumed ACM, with one elbow by the restroom door.

**Green Meadows School (Storage)**

**THERMAL SYSTEMS INSULATION**

1. **BOILER COVER:** 180 sq ft boiler jacket, non-friable assumed ACM, in boiler room was listed in last inspection. This material could not be located.
2. **PIPE WRAP AND ELBOWS:** 250 linear feet Pipewrap, 65 elbows, non-friable assumed ACM, in boiler room and tunnels.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 6,000 sq ft floor tile, non-friable assumed ACM, Throughout the building.

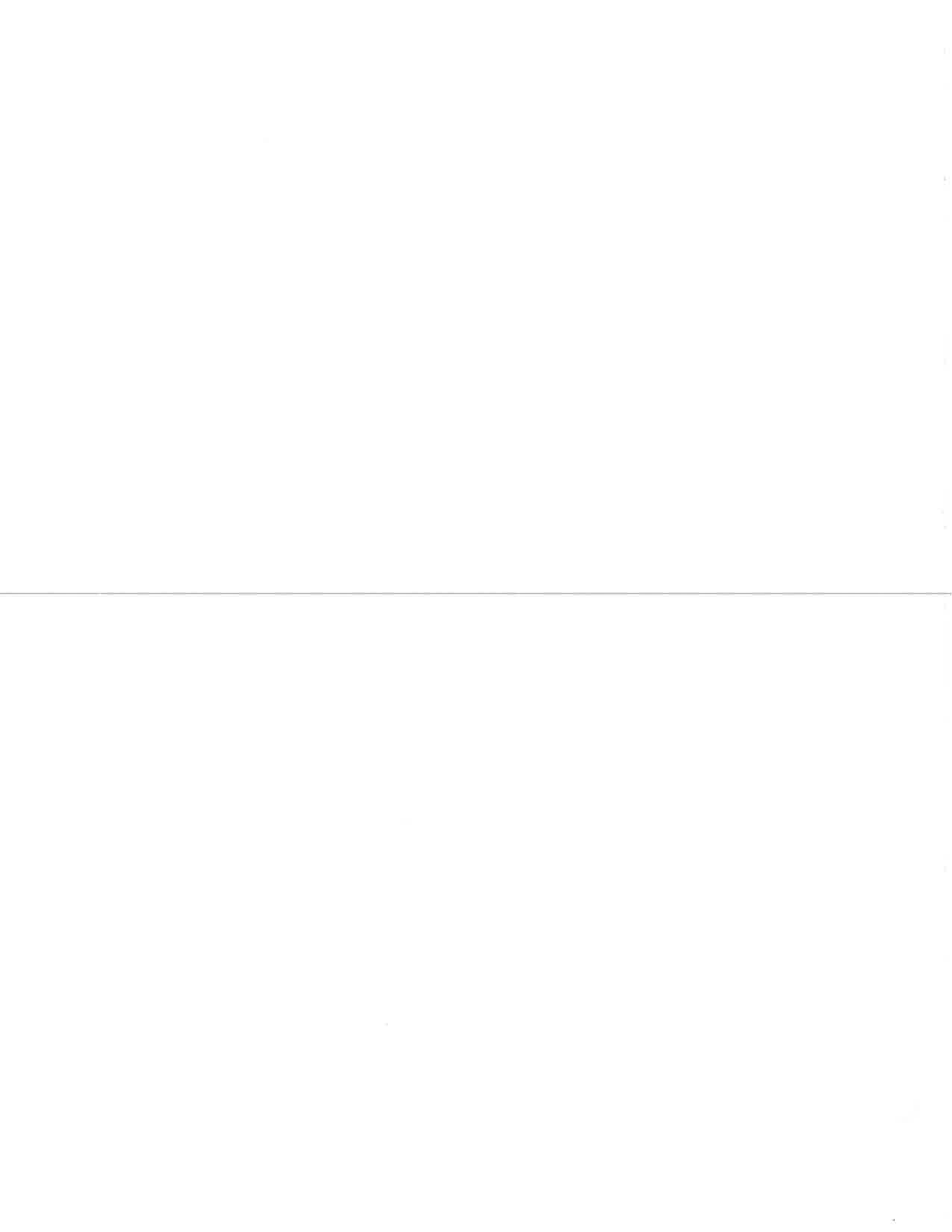
**Cass Street Warehouse**

Note: The district just purchased this building for use as a bus repair shop and a shipping and receiving station. The interior walls and ceiling are covered with styrofoam as this was previously used for cold storage.

**MISCELLANEOUS MATERIAL**

1. **CEILING TILE:** 250 sq ft of 2x2 lay in ceiling tile located in office and bathrooms is assumed ACM, non-friable.
2. **CEILING TILE:** 250 sq ft of 9x9 glue on ceiling tile located in receiving room on North side of building is assumed ACM, non-friable.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



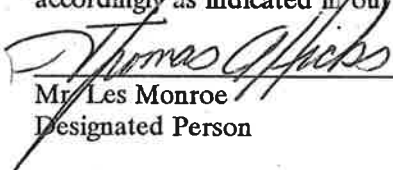
16  
Third 3-Year Reinspection

There were no new recommendations for the following buildings:

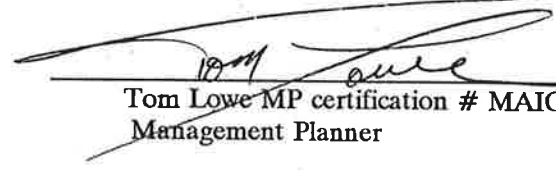
Junior High  
Bentley Elementary  
Central Elementary  
Lincoln Elementary  
Roosevelt Elementary  
Administration Building  
Warehouse  
Green Meadows School (Storage)  
Cass Street Warehouse

Additional Comments: There may be unknown and unidentified ACM located behind barriers. It is our recommendation to have your Designated Person on the site when demolition occurs.

I, as the Designated Person, have read the recommendations, checked the appropriate boxes and responded accordingly as indicated in our opening paragraph.

  
Mr. Les Monroe  
Designated Person

4-3-97  
Date

  
Tom Lowe MP certification # MAIC 0836  
Management Planner



**D.J. Buschini**  
**Independent Consulting Service**

July 15th, 2000

Mr. Dan Hock  
Director of Operations

4/2000

Dear Dan:

*In Part of your Districts Three-Year asbestos re-inspection you requested an overview of the current Management Plan and a written report of my findings.*

*The following report is an evaluation of the Owosso Public Schools, Asbestos Management Plan.*

*I could find no Section on "Record Keeping" while there are records of asbestos activities such as small scale abatements, one had to dig and paw through several notebooks to make any sense of how, when and where the activities took place.*

*I have created for your District a New three-ring notebook wherein all records should be kept. This record keeping notebook should contain current and up to date records of every procedure taken with respect to any and all activities involving asbestos*

*Information this book should contain is as follows:*

- *Annual Asbestos Notifications (including a copy of how an actual notification is provided to all district employees, students, organizations, staff, etc.)*
- *Six Month Periodic Surveillance Reports*
- *Three Year Re-Inspections*
- *All employee training records*
- *Contractor Notification records*
- *All abatement activities records including air clearance monitoring reports and disposal records.*
- *All "Small Scale Short Duration" activities records.*
- *All Air Monitoring Records.*

*When this Record Keeping Book is filled out with all current records. It should be kept current by the districts "Designated Person". Their name and telephone number to where they can be reached should also be*





*published so anyone can have access to information as required.*

*Taking this step in completing this Record book will provide the district with information A.H.E.R.A. requires as well as reduce the district liability.*

*The following pages of this evaluation will in more detail explain what was deficient in my evaluation of the current Management Plan.*

*If you have any questions as to my findings, please do not hesitate to contact me.*

*D.J. Buschini*  
D.J. Buschini



July 15th, 2000

Mr. Dan Hock  
Director of Operations

*The following are deficiencies I found in evaluation of the current Owosso Management Plan.*

- *No Six-Month periodic Surveillance reports could be found after 1998*
- *No copies of Annual Notifications after 1998 could be found*
- *No employee training could be found after Gary Moore's training on 11/10/1997*
- *The district currently names someone other than Larry Audit as the "Designated Person" (this must be named by Board Resolution)*
- *There is NO record of any outside contractor ever being notified of the presence of asbestos in the districts facilities.*
- *No records exist of how the district disposes of any asbestos from small-scale short duration activities. Including the land fills receipt to the district.*
- *Current Management Plans that are located in each building are not up to date.*
- *No evidence was found of an Inspection of the districts "Warehouse/Transportation facility.*

### **Recommendations:**

*When you developed this New Record Keeping Notebook, it should be copied and sent out to each building and then kept current.*

*When the district removes carpet over floor tile it must remember if more than three square feet are damaged then this project must be treated as a floor tile abatement project.*

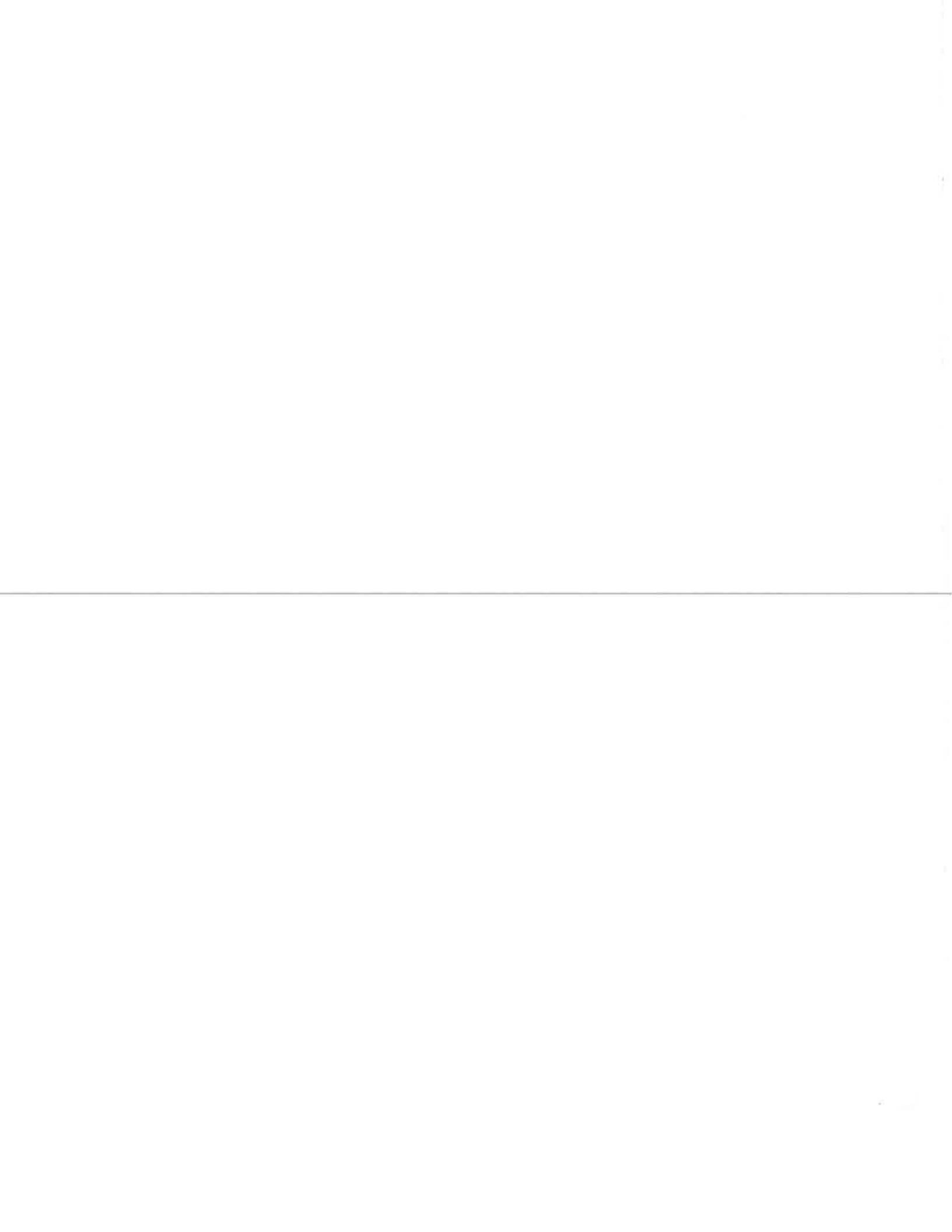
*Update the employee training record keeping section. (I spoke with a new*



*employee in an elementary building that is a recent hire and he indicated he had received the two-hour training yet the records indicate the last employee trained was in 1997.*

*An inspection should take place of the districts warehouse facility. While the structure appeared to be simple wood frame, concrete construction, it had also been sprayed with insulation on the walls. Without testing this material it must be assumed as asbestos. And a full A.H.E.R.A building inspection and management plan developed for this building.*

*The district is currently removing floor tile from the High School media center. As a precaution I recommend taking air samples, "Before, During removal and after" to prove no asbestos fiber release took place.*



**A.H.E.R.A. THREE YEAR ASBESTOS  
RE-INSPECTION  
OWOSSO PUBLIC SCHOOLS  
1405 NORTH STREET  
OWOSSO, MICHIGAN 48867**

*July 10th, 2000*

*As required per the federal Asbestos Hazard Emergency Response Act (AHERA) all local education agencies must be re-inspected for all, known and assumed, friable and non-friable asbestos containing building material.*

*The districts current Management Plan served as the guide for this re-inspection that took place on July 10th, 2000. The re-inspection reflects what was observed on that day.*

*The re-inspection was performed by Donald J. Buschini a certified Asbestos Inspector, license number 18953 exp.7\24\2001.*

*The district provided Maintenance Supervisor, John Snyder to facilitate the inspector during the re-inspection.*

**LINCOLN ELEMENTARY-ADMINISTRATION:**

*(This building no longer serves as an elementary)*

*All remaining asbestos is in good condition, however the management plan should be changed to reflect the kitchen area contains approximately 100 square feet of floor tile and not 70 feet*

**ROOSEVELT ELEMENTARY:**

*Sprayed on ceiling material is not listed in the current Management Plan and must be then assumed as asbestos material as no indication of proof it is not was found. This ceiling material is located in the 1950's section of the building. This ceiling shows minor damage. Testing is recommended as it a low ceiling and at some point will require maintenance such as painting and should be treated accordingly from the testing results. All remaining asbestos is in good condition.*

**ADMINISTRATION BUILDING:**

*The furnace room did not list approximately 10 elbows that must be assumed as asbestos containing material as no testing could be found to prove they are non asbestos.*

*This site under the 1997 re-inspection report listed a "warehouse" present as well. This inspector could not locate that structure.*





### **OWOSSO HIGH SCHOOL:**

*There were supplies and a hose stored on pipes located in the boiler room and should be removed so damage could not take place.*

*At this building I spoke with the building secretary to ask for buildings Management Plan. She provided this plan as required by law.*

*However the following deficiencies were noted:*

- *The last periodic surveillance took place on 7/25/1995*
- *No evidence was found of the annual notification*
- *No evidence of contractor notifications was available.*

### **JUNIOR HIGH SCHOOL:**

*There was ceiling tile missing in the lower cafeteria hall. This exposed the glue used to install the tile and might contain asbestos. Missing tile should be replaced as soon as possible.*

*The header pipe leading to the hot water storage tank was leaking and causing damage to the asbestos wrap below the tank.*

*No warning labels were evident leading to the air handling room.*

### **BRYANT ELEMENTARY:**

*A pipe leading to the kiln room located in the Hosts room was damaged.*

### **BENTLY ELEMENTARY:**

*All remaining asbestos is in good condition.*

### **CENTRAL ELEMENTARY:**

*There was firebrick stored against the wall that appeared to contain fiber, and should be removed and disposed of.*

*The overhead pipes in the storage room shows minor cuts and should be sealed.*

*Floor tile damage to room 204 on the north wall under the blackboard. Approximately 4 square feet.*

### **EMERSON ELEMENTARY:**

*All remaining asbestos appears in good condition.*



**CASS STREET WAREHOUSE / TRANSPORTATION:**

*There was no management plan for this facility. The sprayed on material should be researched to see if records indicate it is non-asbestos containing. If no records can be conclusive then testing should be performed for several reasons, as this material is also suspect of containing formaldehyde.*

**WASHINGTON ELEMENTARY:**

*No warning labels were present in the boiler room.*

*In conclusion, all remaining asbestos was found on this day to be in good condition unless otherwise noted. The district should manage asbestos in place, and monitor as required the condition of remaining asbestos. As well as repair, Encapsulate, and or remove as necessary any damaged asbestos.*



**Asbestos Environmental  
Consulting and  
Training of Michigan**

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Chesaning, MI 48616-0095  
989-845-6204  
989-845-6207 Fax  
313-530-7994 Mobile  
KLFesler@centurytel.net

July 1, 2003

Mr. Dan Hock  
Director of Operations  
Owosso Public Schools  
1405 North St.  
Owosso, MI 48867

5/2003

RE: 3 Year Asbestos Reinspection

Mr. Hock

The AHERA 3-year reinspection report for Owosso Public Schools required by 40 CFR 763.85(b) is forwarded for your information and coordination.

These documents, when filed in the current management plan will bring the plan up to date. The following is a breakdown of the forms provided for each building.

2003 Reinspection report listing findings, comments and recommendations by building inspector.

SRF #1 Information extracted from previous management plans.

Please be advised that in reviewing your AHERA Management Plan I could not find the following:

- ▶ 6 month periodic surveillance reports after 1998
- ▶ No copies of asbestos removal notifications after 1998
- ▶ No air monitoring records for asbestos removal activities

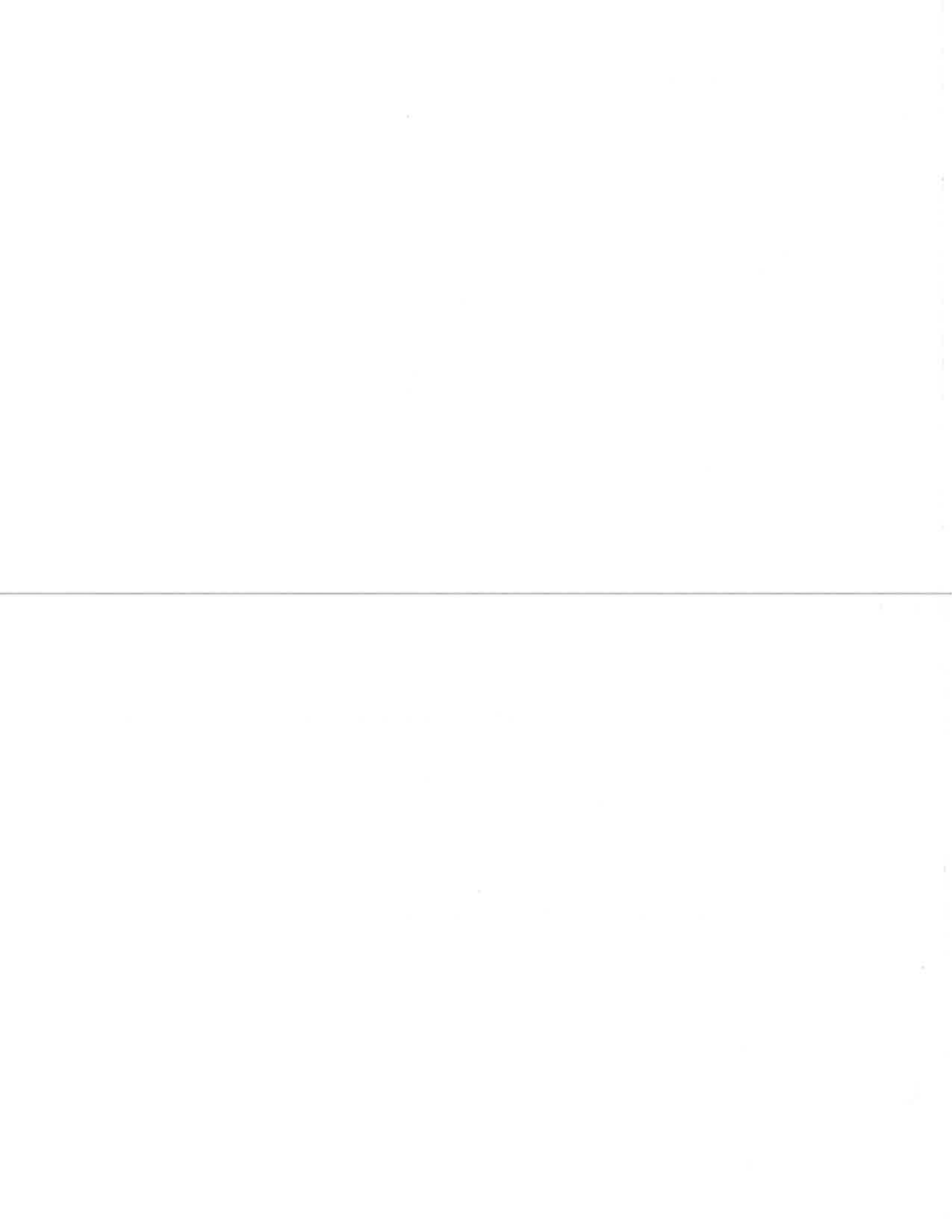
These documents and activities are required under the AHERA regulations.

Sincerely,

**Asbestos Environmental Consulting and Training of Michigan**



Kevin L. Fesler  
President



**MICHIGAN  
DEPARTMENT of  
COMMUNITY HEALTH**

This is to certify that

**Kevin Fesler**

has satisfactorily met the  
statutory requirements for

**Insp / Risk Assessor**

MI LHRP No. **P-1410**



Not valid after March 31, 2004

**MICHIGAN  
DEPARTMENT of  
COMMUNITY HEALTH**

This is to certify that

**Kevin Fesler**

has satisfactorily met the  
statutory requirements for

**Pb Supervisor**

MI LHRP No. **P-1410**



Not valid after March 31, 2004

*State of Michigan*  
Department of Consumer & Industry Services

**Kevin L. Fesler**

has satisfactorily met or exceeded the requirements of Section 206  
of the Toxic Substances Control Act to be accredited as an Asbestos

**Project Designer**

Accreditation Number  
**A12503**

Expiration Date  
**03/14/2004**

BSR-OH-270 (6/98)  
Authority: Michigan Public Act 440 of 1988, as amended

**60938**

**49021**

*State of Michigan*  
Department of Consumer & Industry Services

**Kevin L. Fesler**

has satisfactorily met or exceeded the requirements of Michigan  
Public Act 440 of 1988, as amended, to be accredited as an Asbestos

**Inspector**

Accreditation Number  
**A12503**

Expiration Date  
**03/14/2004**

BSR-OH-269 (6/98)  
Authority: Michigan Public Act 440 of 1988, as amended

**21286**

**48577**

*State of Michigan*  
Department of Consumer & Industry Services

**Kevin L. Fesler**

has satisfactorily met or exceeded the requirements of Section 206  
of the Toxic Substances Control Act to be accredited as an Asbestos

**Contractor/Supervisor**

Accreditation Number  
**A12503**

Expiration Date  
**03/14/2004**

BSR-OH-270 (6/98)  
Authority: Michigan Public Act 440 of 1988, as amended

**60564**

**48578**





AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 1 Administration 1405 North St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

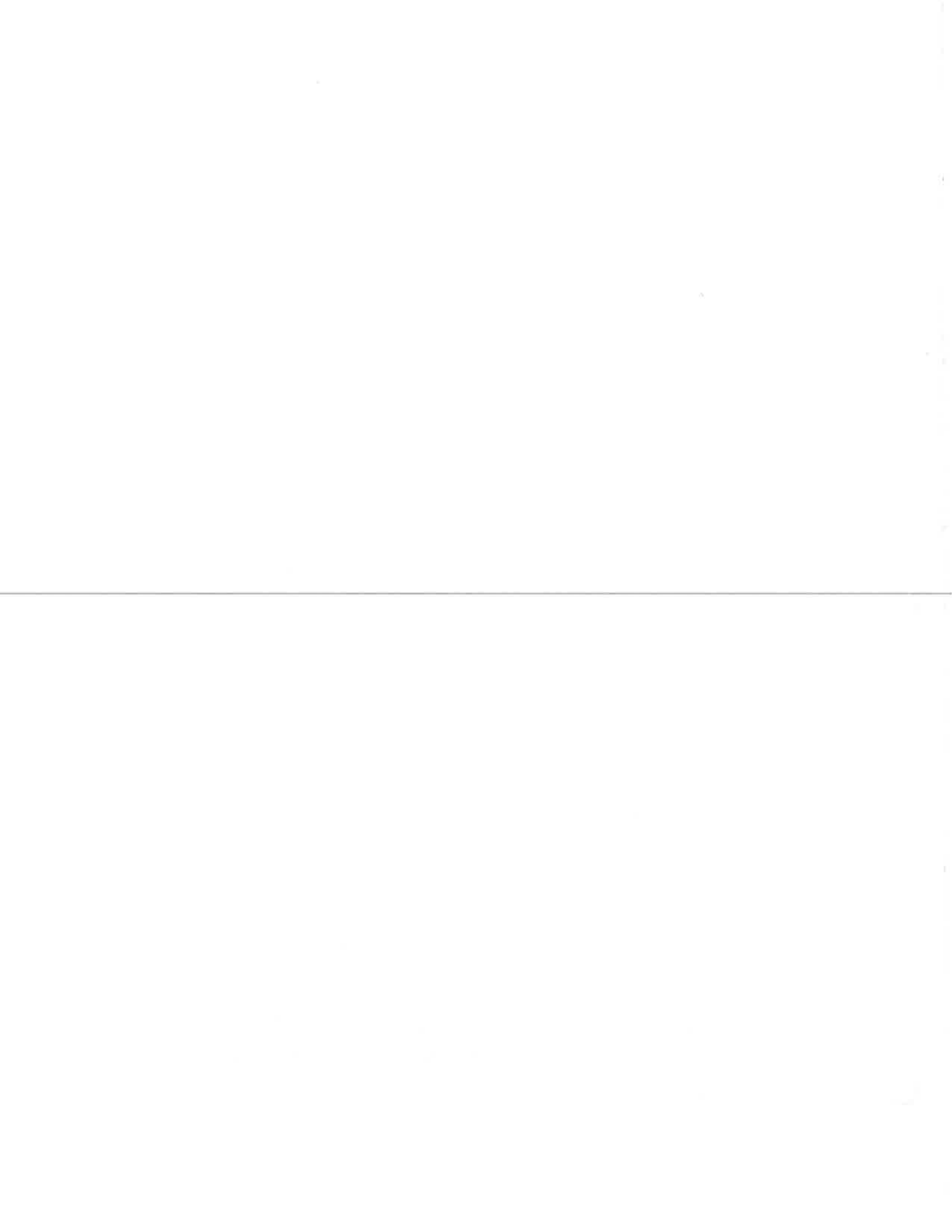
Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

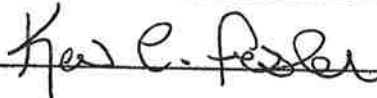
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





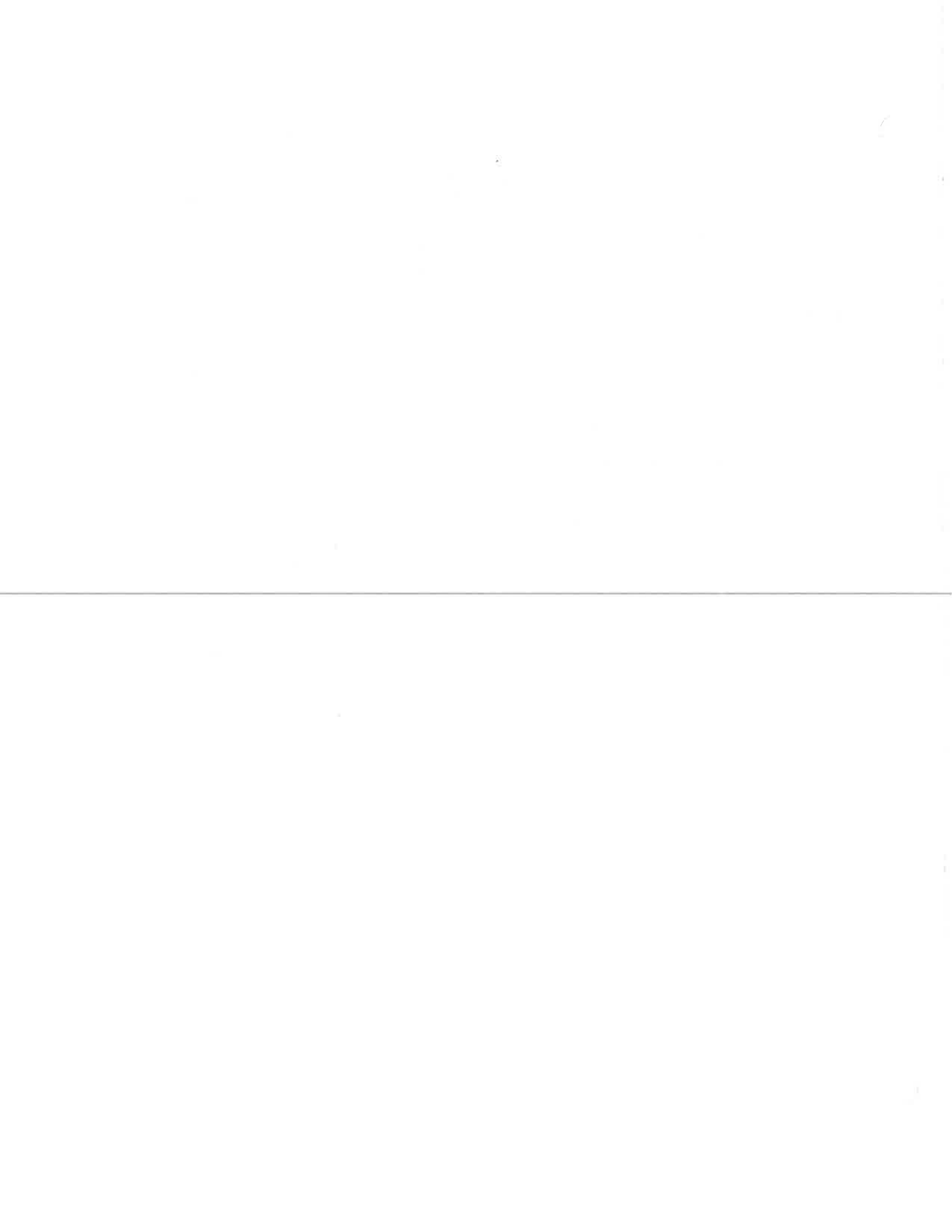
**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**  
 EA: Owosso Public Schools Building: Administration

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Pipe Joint Insulation	TSI	A	NF	5	Furnace Room	Maintain by O & M
2	Floor Tile 9 x 9 150 ft <sup>2</sup>	MM	Y	NF	5		Maintain by O & M
3	Floor Tile Mastic 150 ft <sup>2</sup>	MM	A	NF	5		Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
 (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 2 Bentley Elementary 1375 North St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

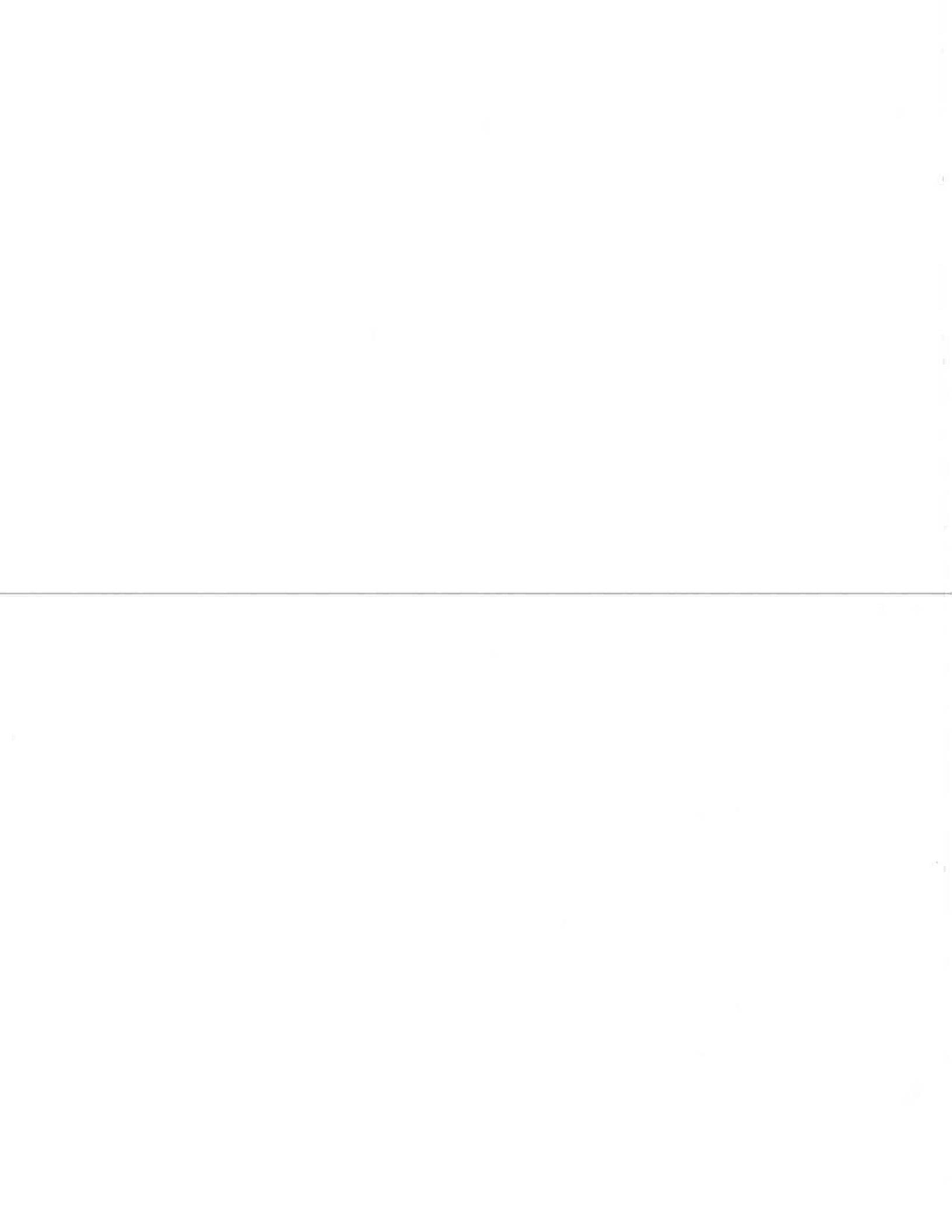
Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate





Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

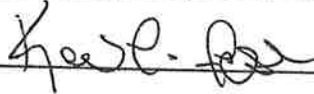
Comments - observations made by the Inspector:

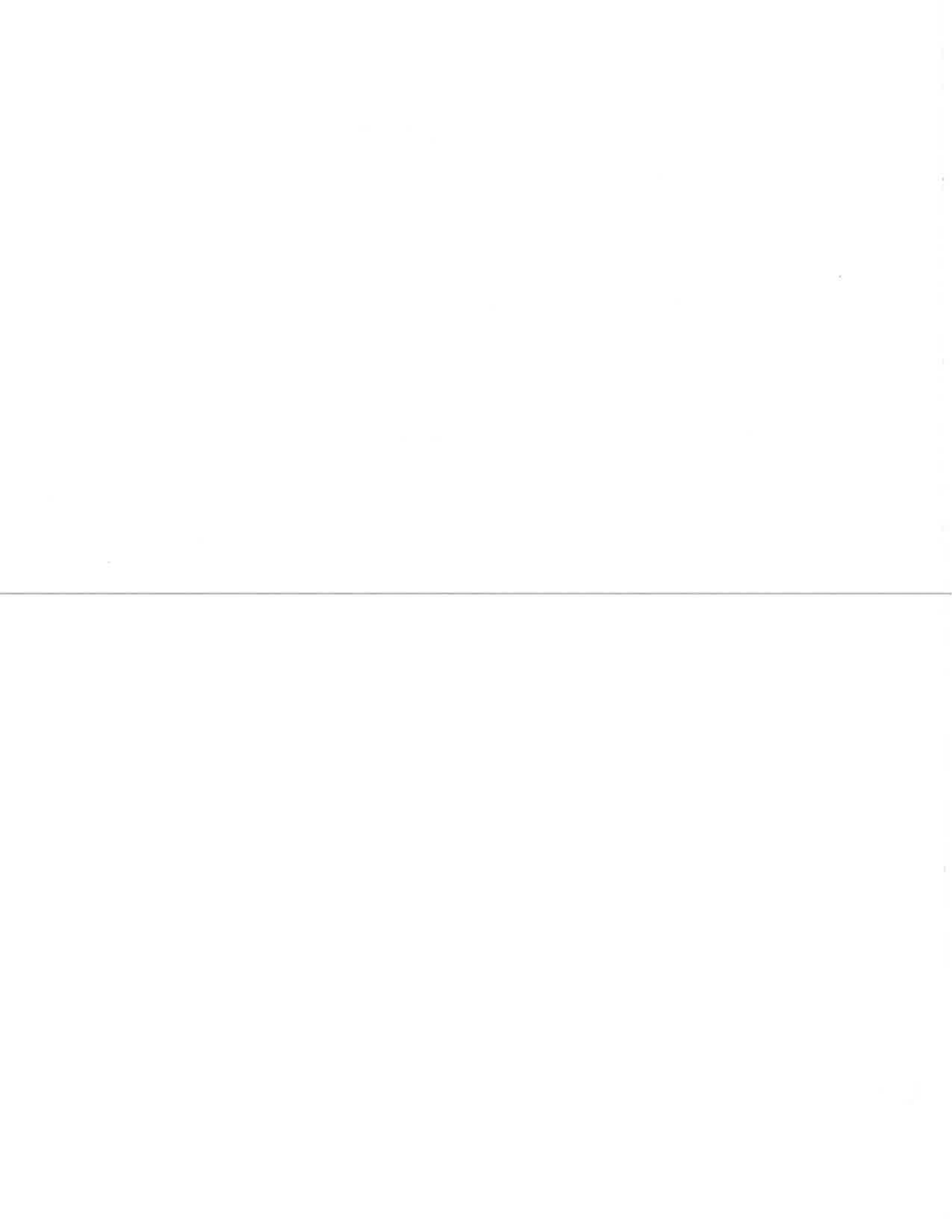
Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Bentley Elementary School

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
3	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Floor Tile 9 x 9 10,360 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
5	Floor Tile Mastic 10,360 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 3 Bryant Elementary 925 Hampton St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materials were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503

*Kevin L. Fesler*





**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Bryant Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Boiler Gasket	SM	Y	NF	5	Boiler Room	Maintain by O & M
2	Boiler Insulation	SM	Y	NF	5	Boiler Room	Maintain by O & M
3	Fire Doors	MM	Y	NF	5		Maintain by O & M
4	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
6	Spray On Ceiling 12,200 ft <sup>2</sup>	SM	Y	NF	5	1957 Addition	Maintain by O & M
7	Floor Tile 9 x 9 23,250 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
8	Floor Tile Mastic 23,250 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

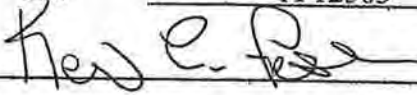
LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 4 Central Elementary 600 W. Oliver St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

SA: Owosso Public Schools

Building: Central Elementary

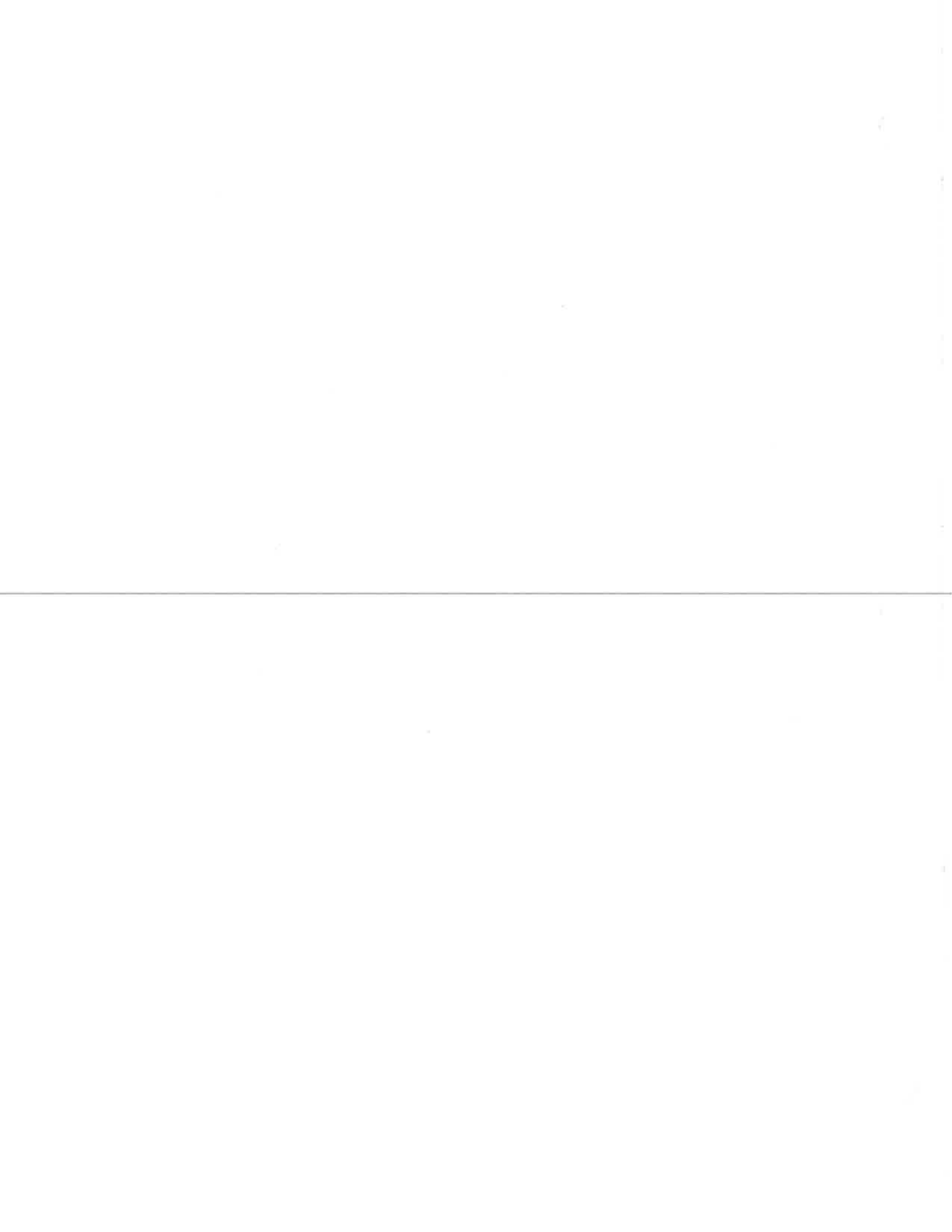
H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Boiler Gasket	SM	Y	NF	5	Boiler Room	Maintain by O & M
2	Boiler Insulation	SM	Y	NF	5	Boiler Room	Maintain by O & M
3	Fire Doors	MM	Y	NF	5		Maintain by O & M
4	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
6	Floor Tile 9 x 9 13,630 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
7	Floor Tile Mastic 13,630 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

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

) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.





AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]


LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 5 Emerson Elementary 515 W. Oliver St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing material were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



**Assessments or reassessments made of friable material [763.88].**

No Friable asbestos material noted, See SRF 1

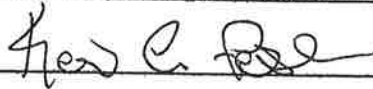
**Comments - observations made by the Inspector:**

Continue Operations and Maintenance program.

**Name, accreditation number and signature of Inspector [763.88(a)(2)].**

Kevin L. Fesler

A12503





**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

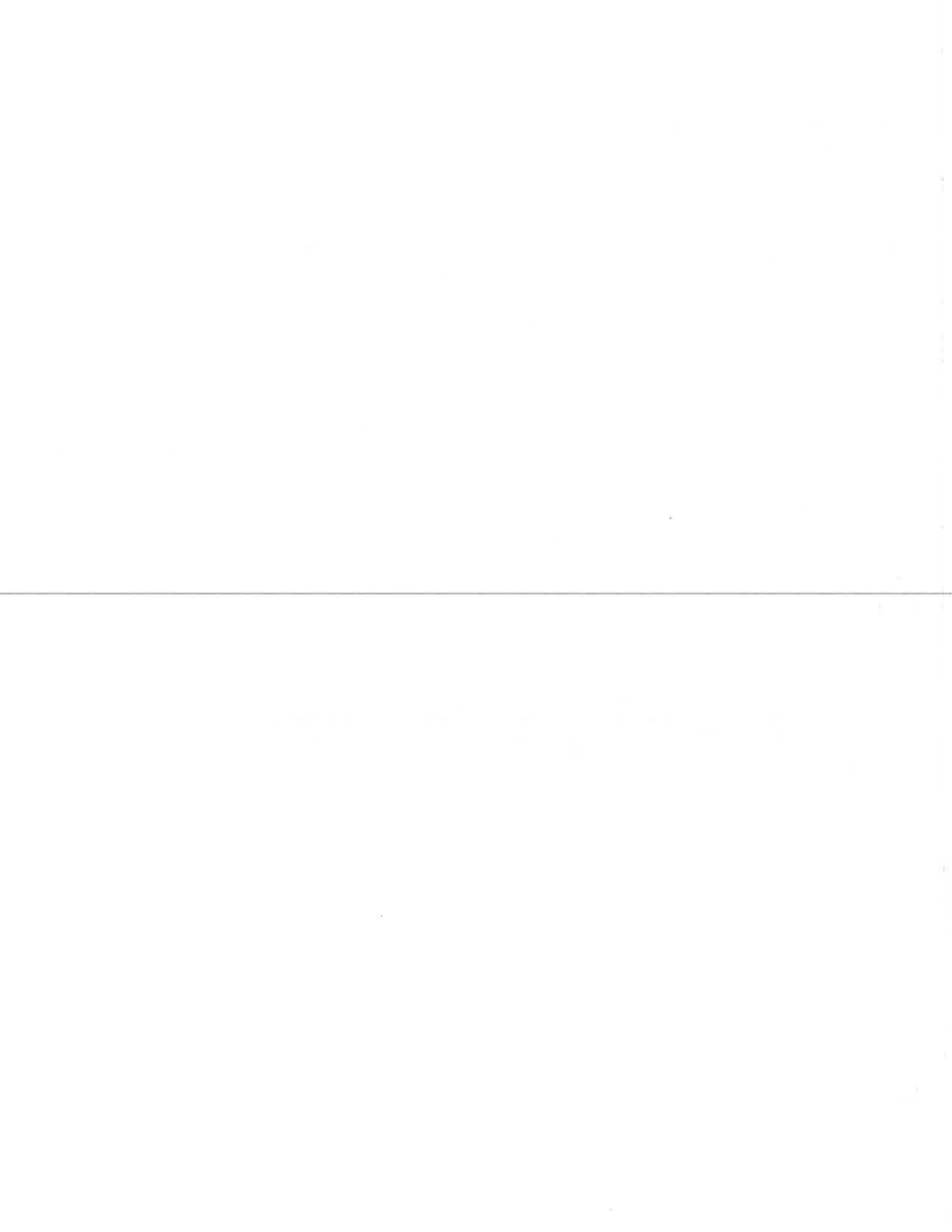
Building: Emerson Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Boiler Gasket	SM	Y	NF	5	Boiler Room	Maintain by O & M
2	Boiler Insulation	SM	Y	NF	5	Boiler Room	Maintain by O & M
3	Fire Doors	MM	Y	NF	5		Maintain by O & M
4	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
6	Spray On Ceiling 6,800 ft <sup>2</sup>	SM	Y	NF	5	1957 Addition	Maintain by O & M
7	Floor Tile 9 x 9 22,200 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
8	Floor Tile Mastic 22,200 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 6 High School 765 E. North St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature Kevin L. Fesler

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate





Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

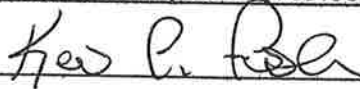
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**  
 EA: Owosso Public Schools Building: High School

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Tank Insulation 340 ft <sup>2</sup>	SM	Y	NF	5	Boiler Room	Maintain by O & M
2	Fire Doors	MM	Y	NF	5		Maintain by O & M
3	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Floor Tile 9 x 9 85,500 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
6	Floor Tile Mastic 85,500 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
 (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 7 Jr. High School 215 N. Water St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature Kevin L. Fesler

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1


Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503







**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

SA: Owosso Public Schools

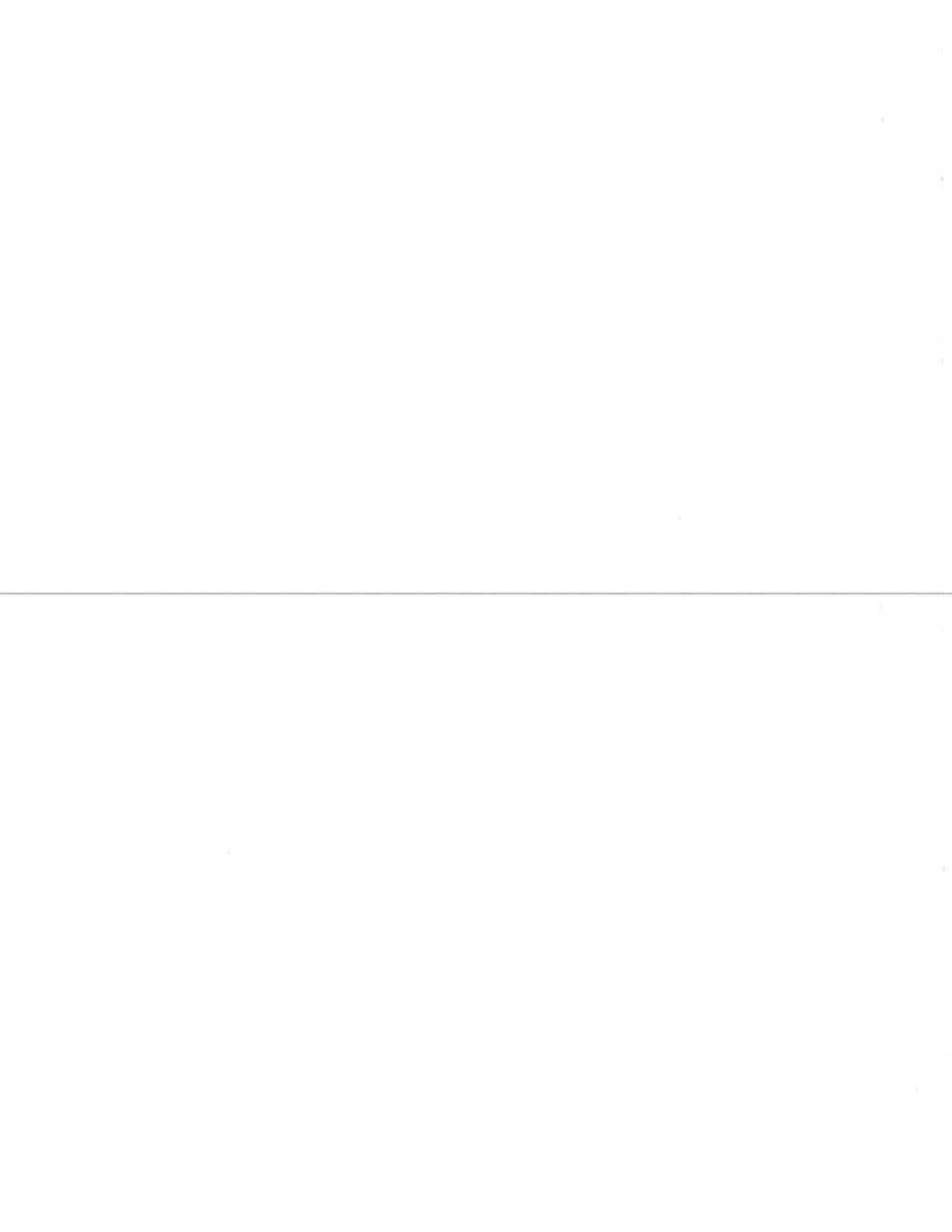
Building: Junior High School

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
3	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Floor Tile 9 x 9 21,000 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
5	Floor Tile Mastic 21,000 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 8 Lincoln Elementary School 100 S. Michigan St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

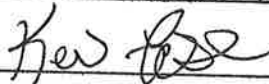
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

Local Agency: Owosso Public Schools

Building: Lincoln Elementary School

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
3	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Floor Tile 9 x 9 100 ft <sup>2</sup>	MM	Y	NF	5	Kitchen	Maintain by O & M
5	Floor Tile Mastic 100 ft <sup>2</sup>	MM	A	NF	5	Kitchen	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.





AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 9 Roosevelt Elementary School 201 N. Brooks St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature Kevin L. Fesler

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1


Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Roosevelt Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
3	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Spray On Ceiling 6,800 ft <sup>2</sup>	SM	A	NF	5	1957 Addition	Maintain by O & M
5	Floor Tile 9 x 9 3,545 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
6	Floor Tile Mastic 3,545 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]


LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 10 Warehouse 1310 S. Cedar St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materials were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate





Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

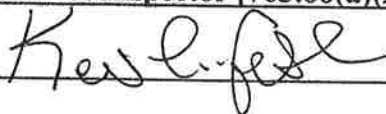
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

SA: Owosso Public Schools

Building: Warehouse

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
2	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
 (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 11 Washington Elementary 645 Alger St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

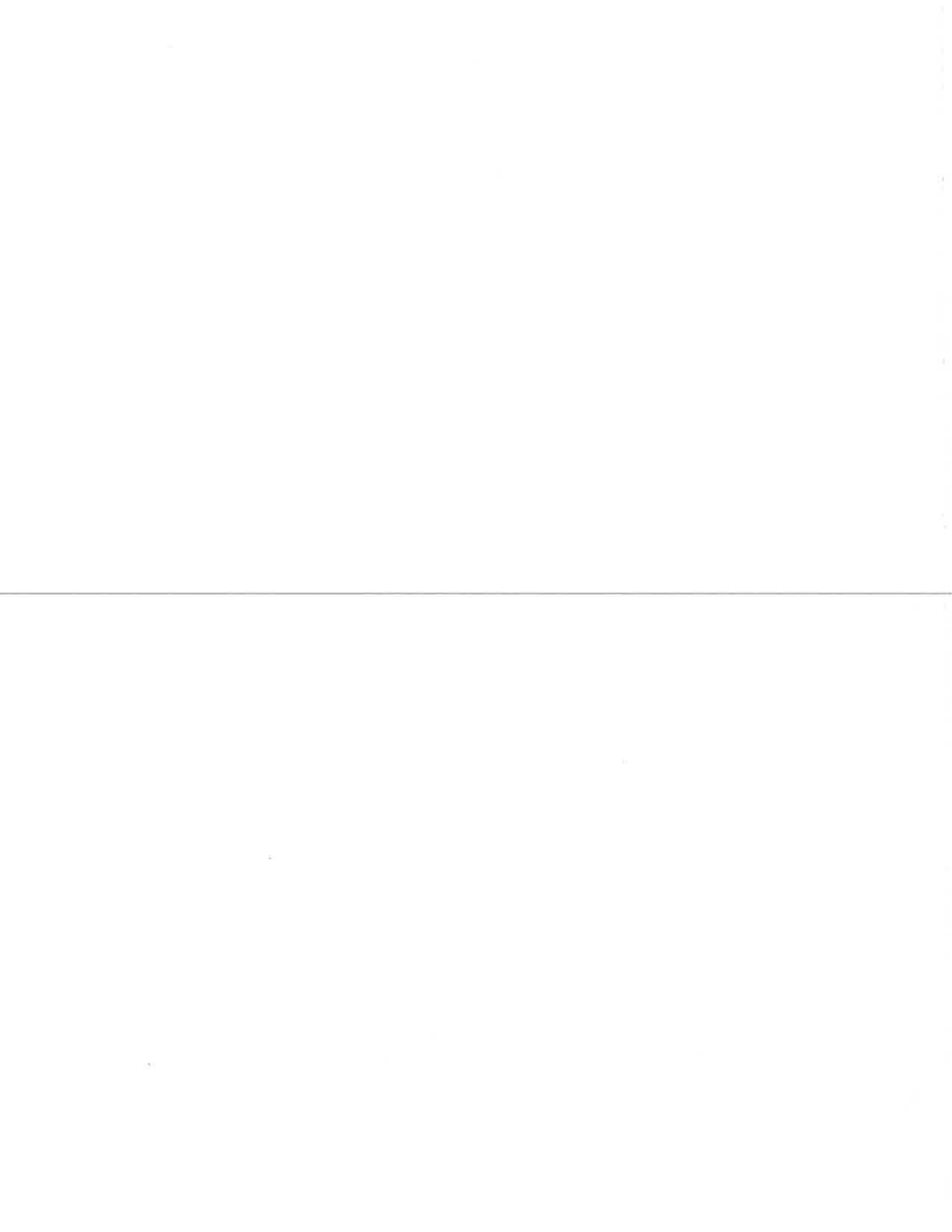
Changes noted in the condition of known or assumed ACBM: [762.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

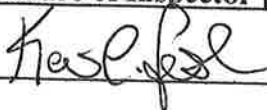
Comments - observations made by the Inspector:

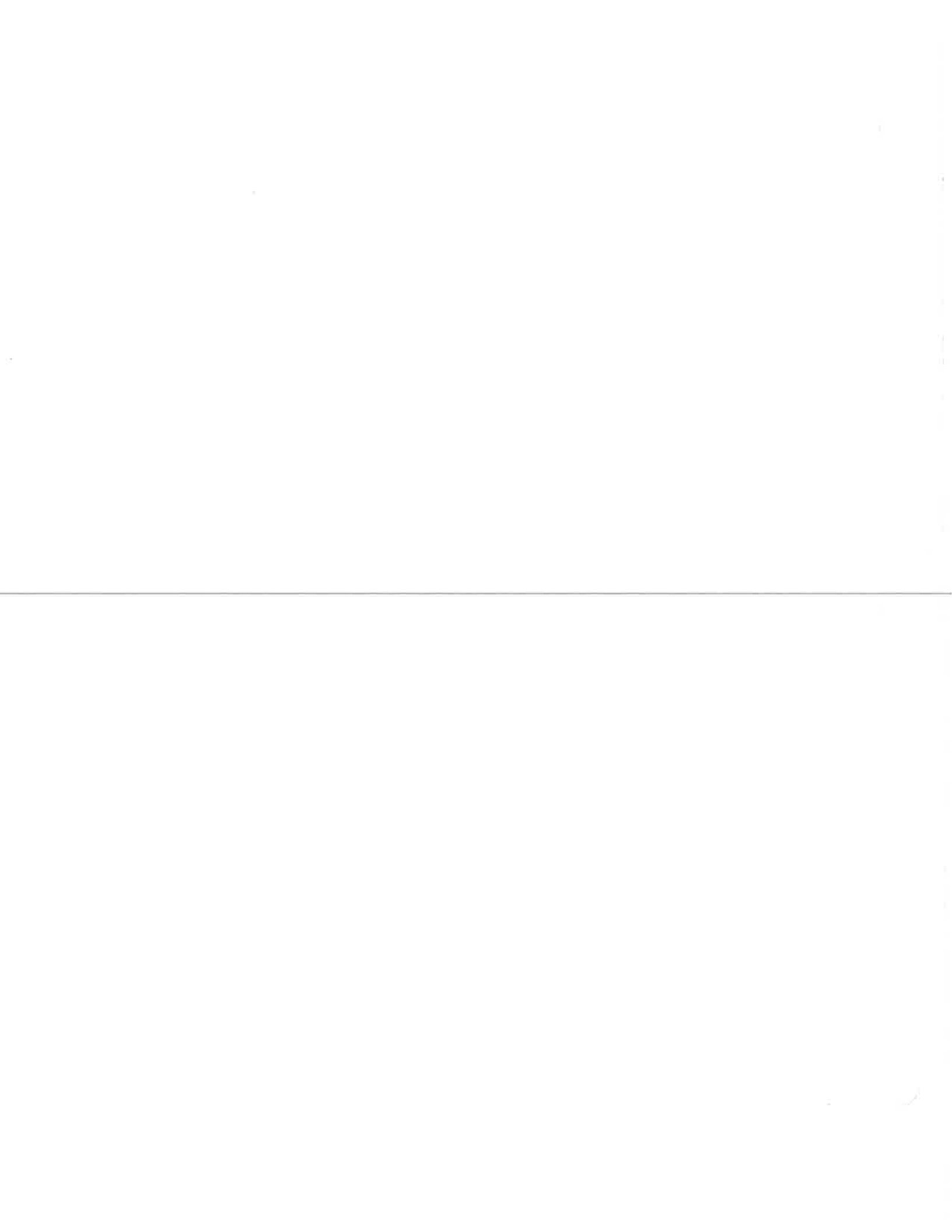
Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503







**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Washington Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Tank Insulation	SM	Y	NF	5	Boiler Room	Maintain by O & M
3	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Floor Tile 9 x 9 15,720 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
6	Floor Tile Mastic 15,720 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

HERA Assessment Category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



# Asbestos Environmental Consulting and Training of Michigan

13792 Sharon Rd.  
Chesaning, MI 48616-0095  
810-496-1712  
810-496-1714 Fax  
313-530-7994 Mobile  
larrance@centurytel.net

Mr. Dan Hock, Director of Operations  
Owosso Public Schools  
1405 W. North St.  
Owosso, MI 48867

April 11, 2006

**RE: 3 Year reinspection and Management Plan Update, Owosso Public Schools, Owosso, MI. AECTM Project Number: 6021 - A**

Dear Mr. Hock:

In accordance with your request, Asbestos Environmental Consulting and Training of Michigan (AEC) performed an asbestos inspection at the above referenced location on April 6, 2006. The purpose of this inspection was to reinspect your facilities for the condition of asbestos containing materials in accordance with the EPA mandated Asbestos Hazard Emergency Response Act of 1986 (AHERA).

AEC inspected the following buildings:

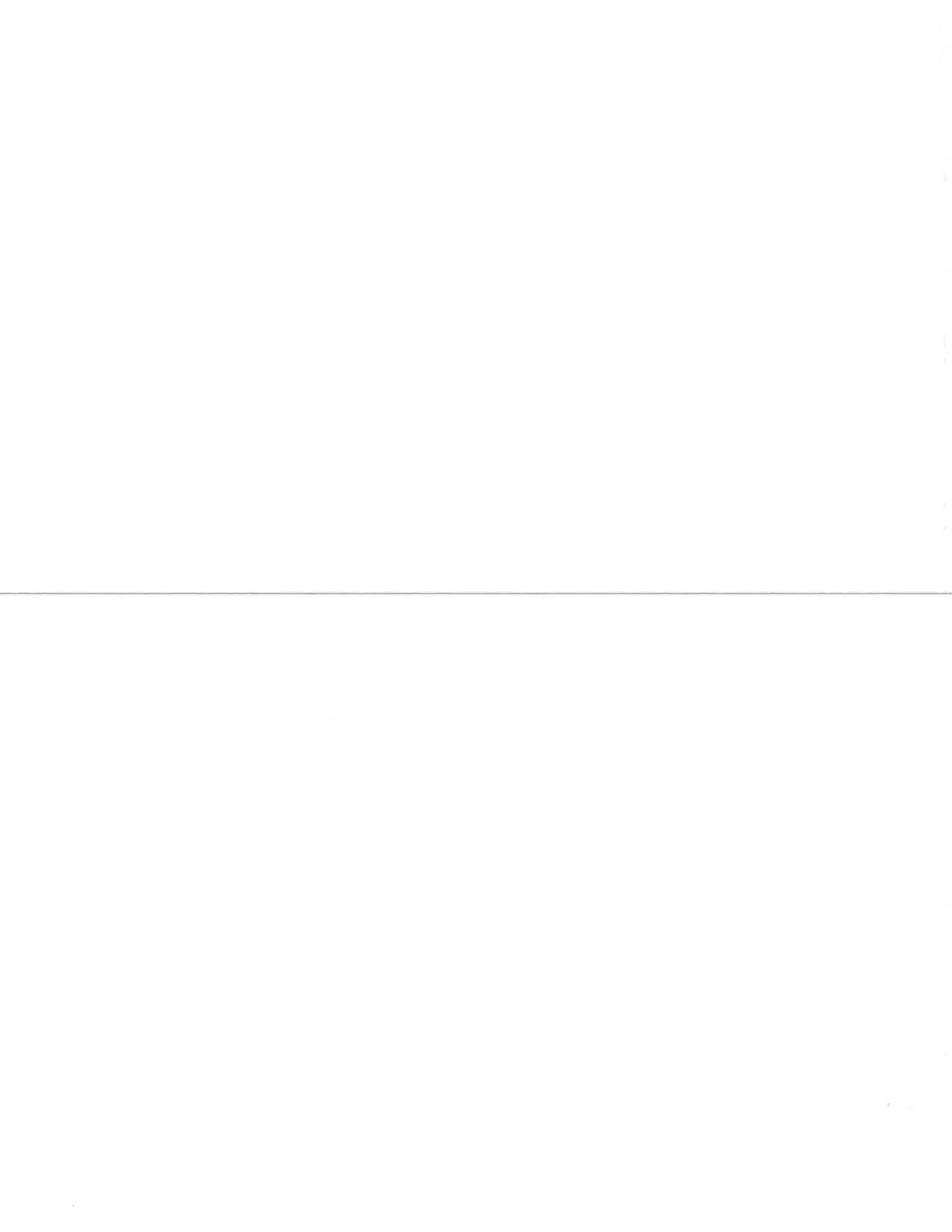
- Administration
- Warehouse
- Roosevelt Elementary
- Bryant Elementary
- Emerson Elementary
- Bentley Elementary
- Central Elementary
- Lincoln Elementary
- Washington Elementary
- Owosso Junior High School
- Owosso High School

6/2006

The findings are detailed on a building by building basis.

- ✓ Administration Building: Asbestos containing materials were observed to be in good condition.
- ✓ Warehouse: Asbestos containing materials were observed to be in good condition.
- ✓ Roosevelt Elementary: Asbestos containing materials were observed to be in good condition.

w/o Bryant Elementary: Damage observed to asbestos ceiling where new windows were installed in



w/o  
all classrooms and teachers lounge. AEC recommends continue O and M repair and monitoring for further deterioration.

Emerson Elementary: Two boilers have gasket and asbestos insulation exposed due to tear down and repair. These materials should be handled through your O and M program. Room 206 and 207 have badly worn floor tile. Room 207 has wet spots in the asbestos ceiling. These areas should be monitored closely for further damage and be repaired as soon as further damage occurs.

✓ Bentley Elementary: Asbestos containing materials were observed to be in good condition.

✓ Central Elementary: Asbestos containing materials were observed to be in good condition.

✓ Lincoln Elementary: Asbestos containing materials were observed to be in good condition.

✓ Washington Elementary: Asbestos containing materials were observed to be in good condition.

✓ Owosso Junior High School: Asbestos containing materials were observed to be in good condition.

Owosso High School: Asbestos containing materials were observed to be in good condition. All of the pipe insulation in the tunnels has been removed.

The buildings were inspected by Kevin L. Fesler. His Building Inspectors Certificate No. Is A12503. The expiration date is 3/14/07.

This inspection constitutes your management plan update for 2006. Based on these findings your operations and maintenance program should be continued.

The management plan was reviewed by Kevin L. Fesler. His Management Plan License number is A12503. The expiration date is 3/14/07.

If you have any questions or comments please do not hesitate to contact us.

Respectfully Submitted,  
Asbestos Environmental Consulting and Training of Michigan

Kevin L. Fesler, President  
6021-A



**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SIRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Administration Building

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Pipe Joint Insulation	T	Y	NF	5	Basement Furnace Room	Maintain by O& M
2	9" x 9" Floor Tile 150 ft <sup>2</sup>	M	Y	NF	5	Break Room and Janitors Closet	Maintain by O& M
3	9" x 9" Floor Tile Mastic 150 ft <sup>2</sup>	M	Y	NF	5	Break Room and Janitors Closet	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

AHERA Assessment Category: 1 = 1 Damaged or significantly damaged TSI ACBM;  
 2 = Damaged friable surfacing ACBM;  
 3 = Significantly damaged friable surfacing ACBM;  
 4 = Damaged or significantly friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Warehouse

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Pipe Insulation	T	Y	NF	5	Throughout Building	Maintain by O& M
2	Pipe Joint Insulation	T	Y	NF	5	Throughout Building	Maintain by O& M

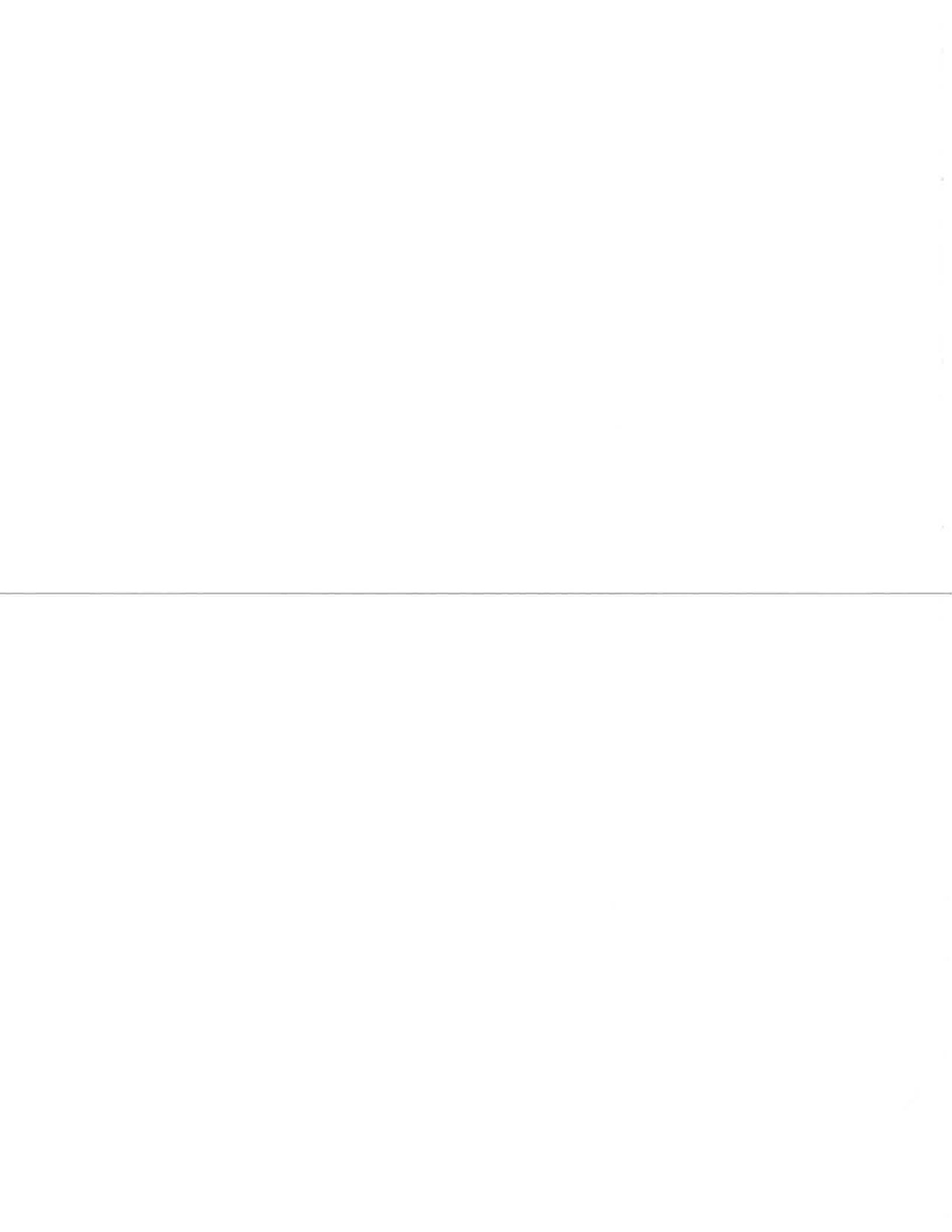
Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
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 A = Assumed positive, not tested.

AHERA Assessment Category: 1 = 1 Damaged or significantly damaged TSI ACBM;  
 2 = Damaged friable surfacing ACBM;  
 3 = Significantly damaged friable surfacing ACBM;  
 4 = Damaged or significantly friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Roosevelt Building

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	Spray on Ceiling 6,800 ft <sup>2</sup>	S	A	NF	5	1957 Addition	Maintain by O& M
5	9" x 9" Floor Tile 3,545 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile Mastic 3,545 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

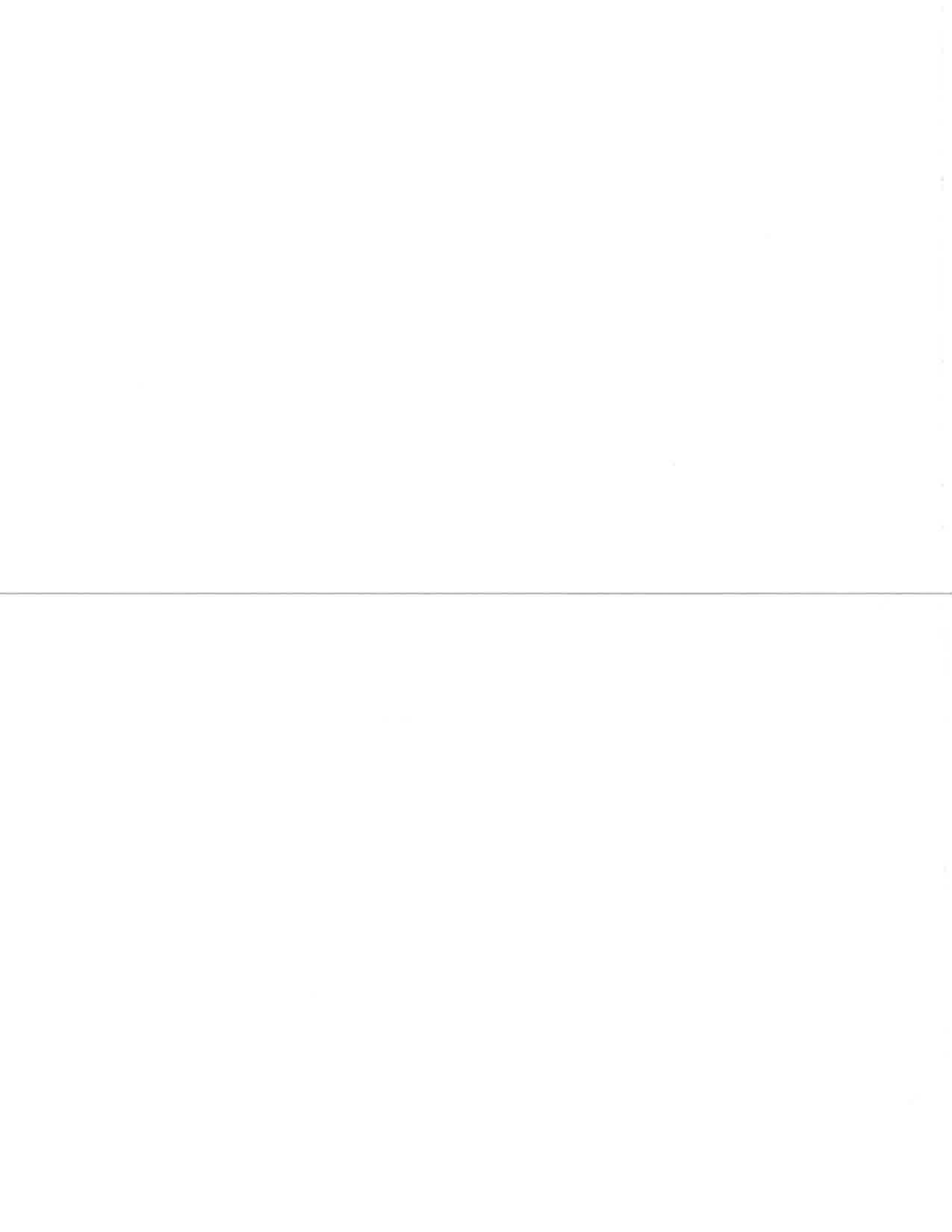
Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



ASBESTOS AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Bryant Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Boiler Gasket	M	Y	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	T	Y	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	M	Y	NF	5		Maintain by O& M
4	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
6	Spray on Ceiling 12,200 ft <sup>2</sup>	S	Y	NF	5	1957 Addition	Maintain by O& M
7	9" x 9" Floor Tile 23,500 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
8	9" x 9" Floor Tile Mastic 23,500 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos

N = Tested and found not to contain asbestos

A = Assumed positive, not tested.

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 friable miscellaneous material;

5 = ACBM with the potential for damage;

6 = ACBM with the potential for significant damage;

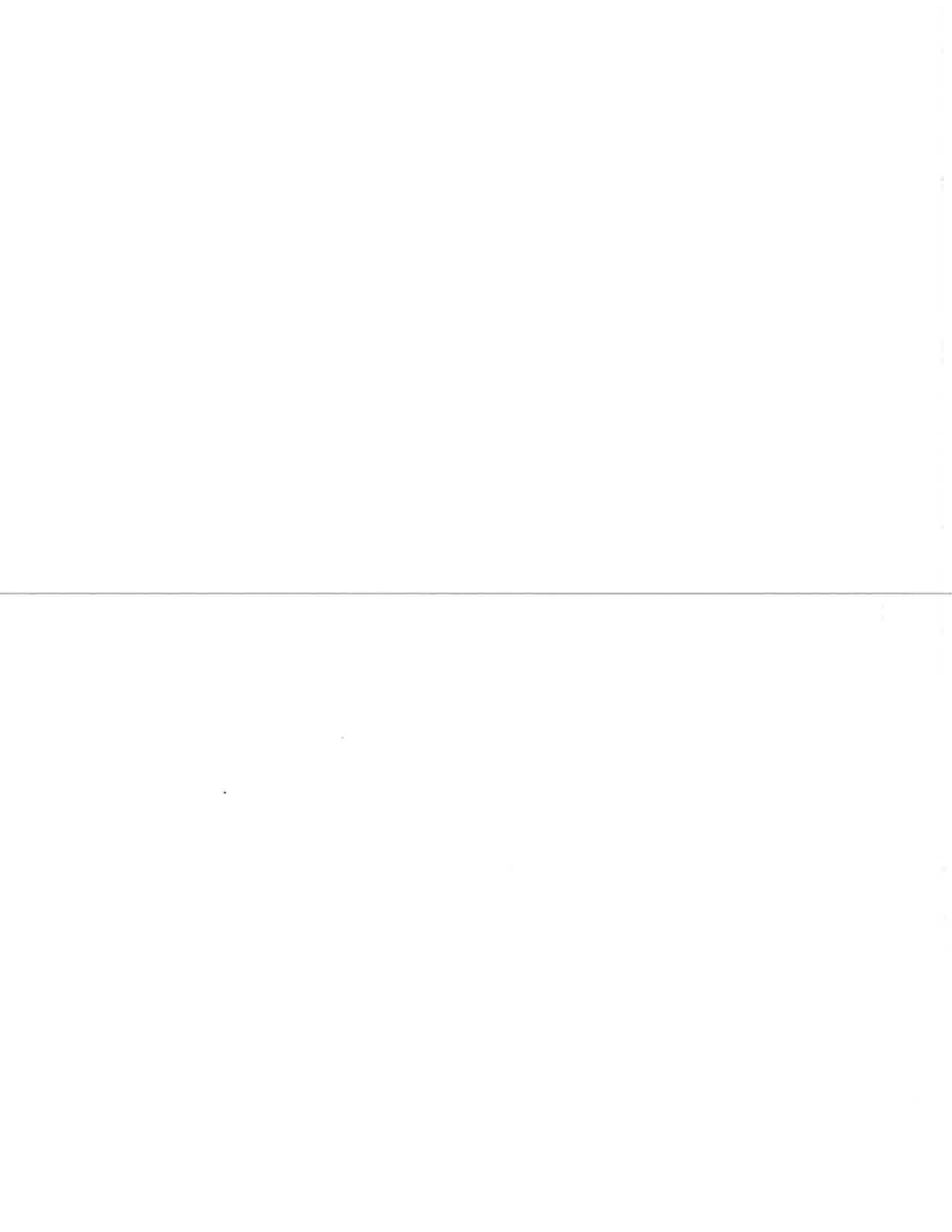
7 = Any remaining friable ACBM or friable suspected ACBM;

X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);

N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Emerson Elementary

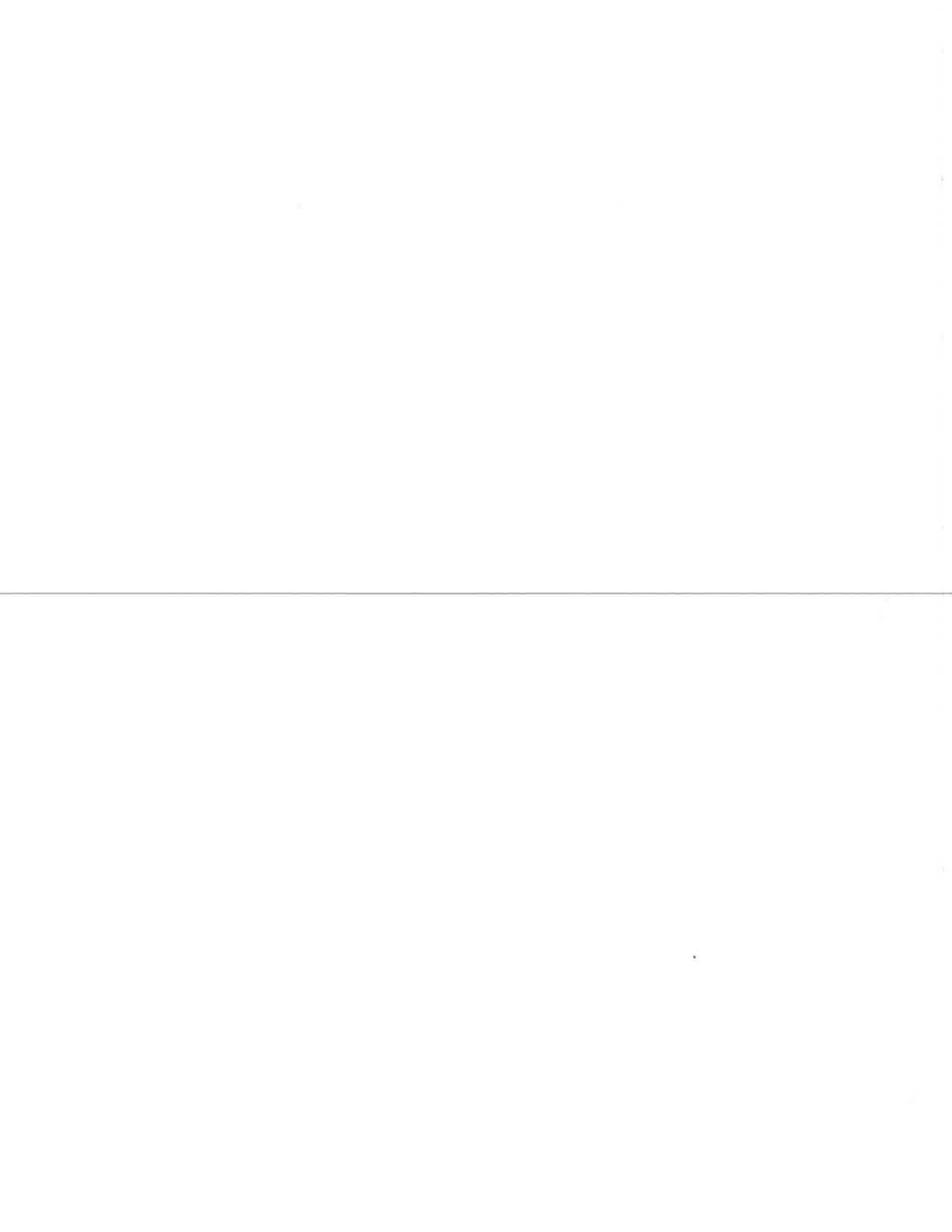
H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Boiler Gasket	M	Y	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	T	Y	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	M	Y	NF	5		Maintain by O& M
4	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
6	Spray on Ceiling 6,800 ft <sup>2</sup>	S	Y	NF	5	1957 Addition	Maintain by O& M
7	9" x 9" Floor Tile 22,200 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
8	9" x 9" Floor Tile Mastic 22,200 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material  
 Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Foster

Date: April 6, 2006





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Bentley Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 10,360 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 10,360 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owasso Public Schools

Building: Central Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Boiler Gasket	M	Y	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	T	Y	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	M	Y	NF	5		Maintain by O& M
4	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile 13,630 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
7	9" x 9" Floor Tile Mastic 13,630 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

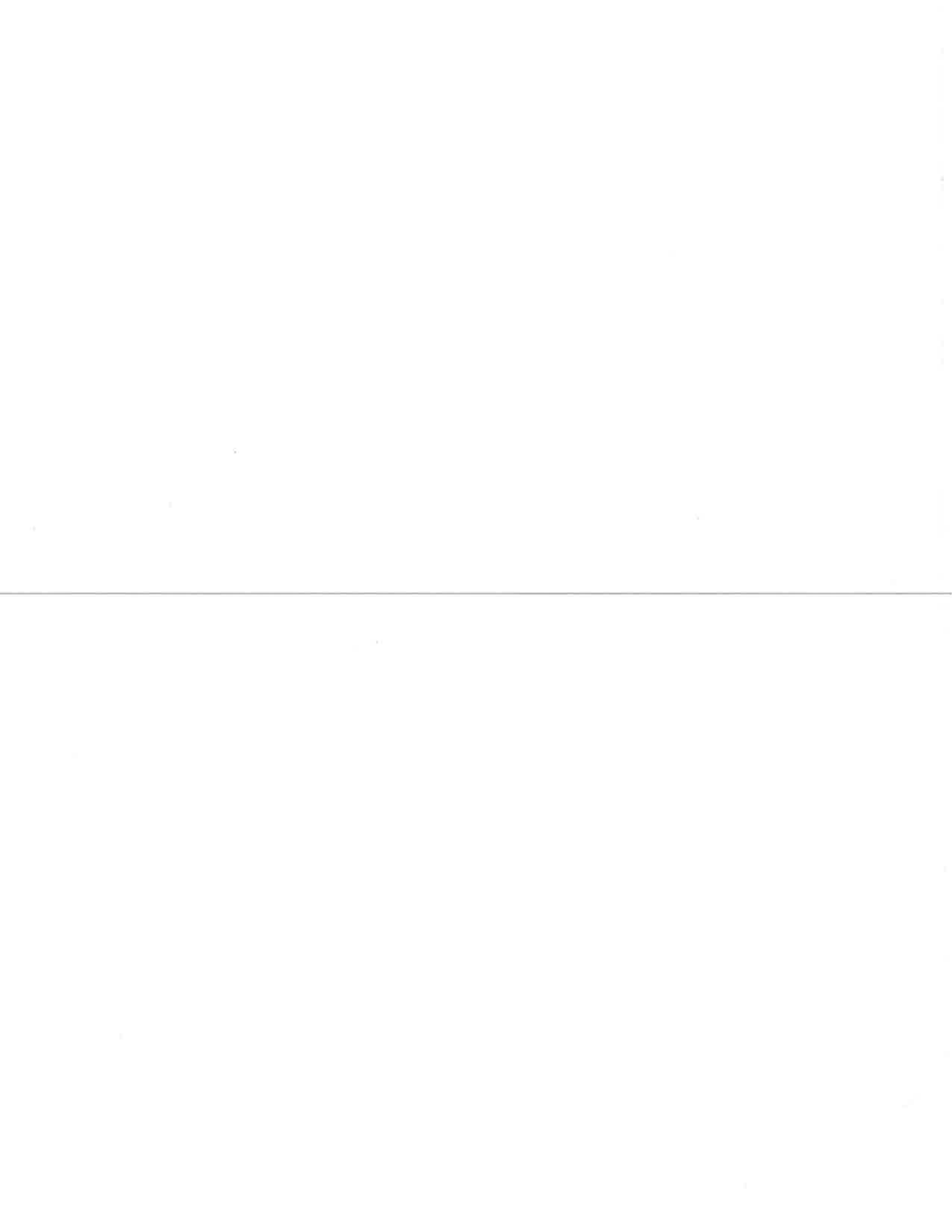
Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owasso Public Schools                      Building: Lincoln Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 100 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 100 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material;  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Washington Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Tank Insulation	T	Y	NF	5	Boiler Room	Maintain by O& M
3	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile 15,720 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile Mastic 15,720 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006





ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Junior High School

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 21,000 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 21,000 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

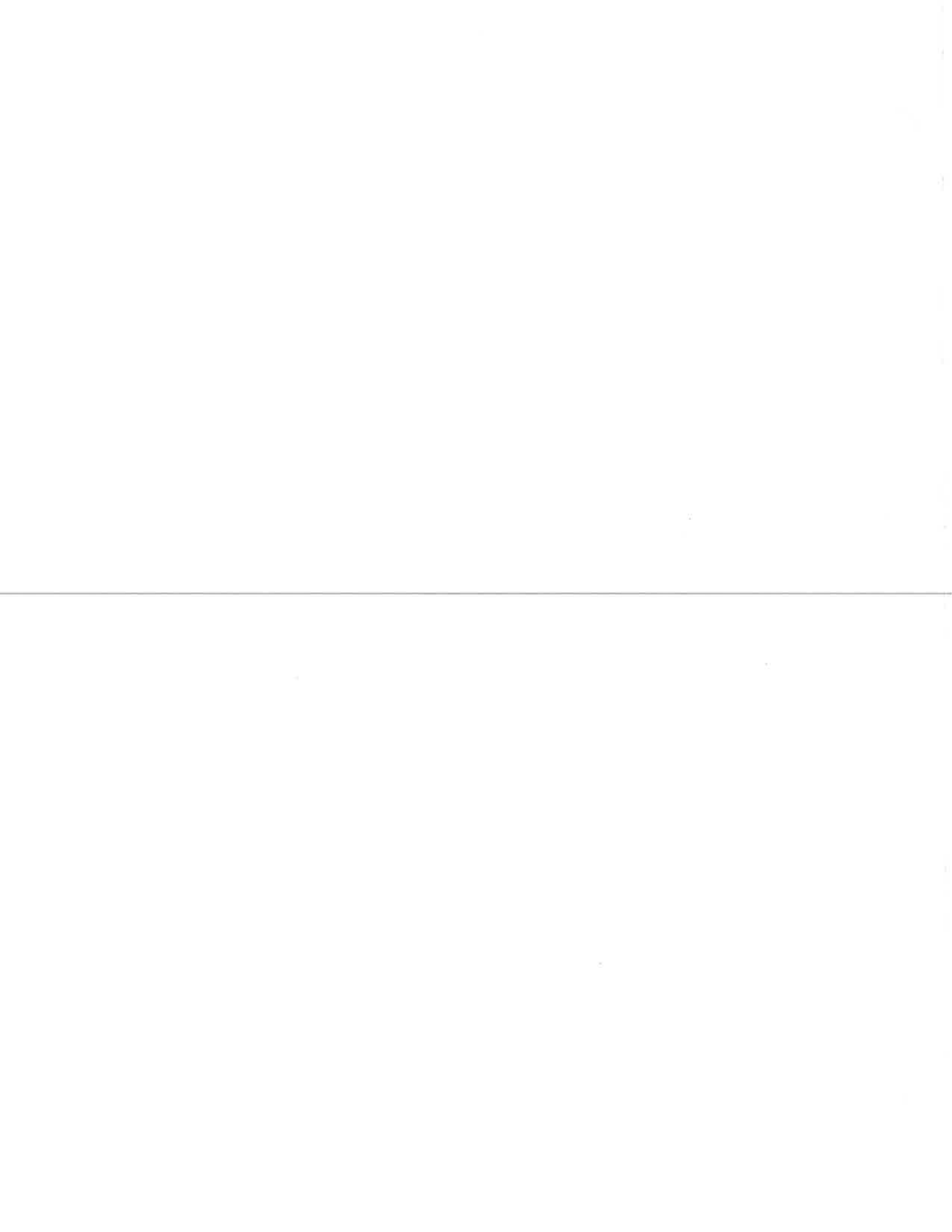
Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: High School

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 85,000 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 85,000 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

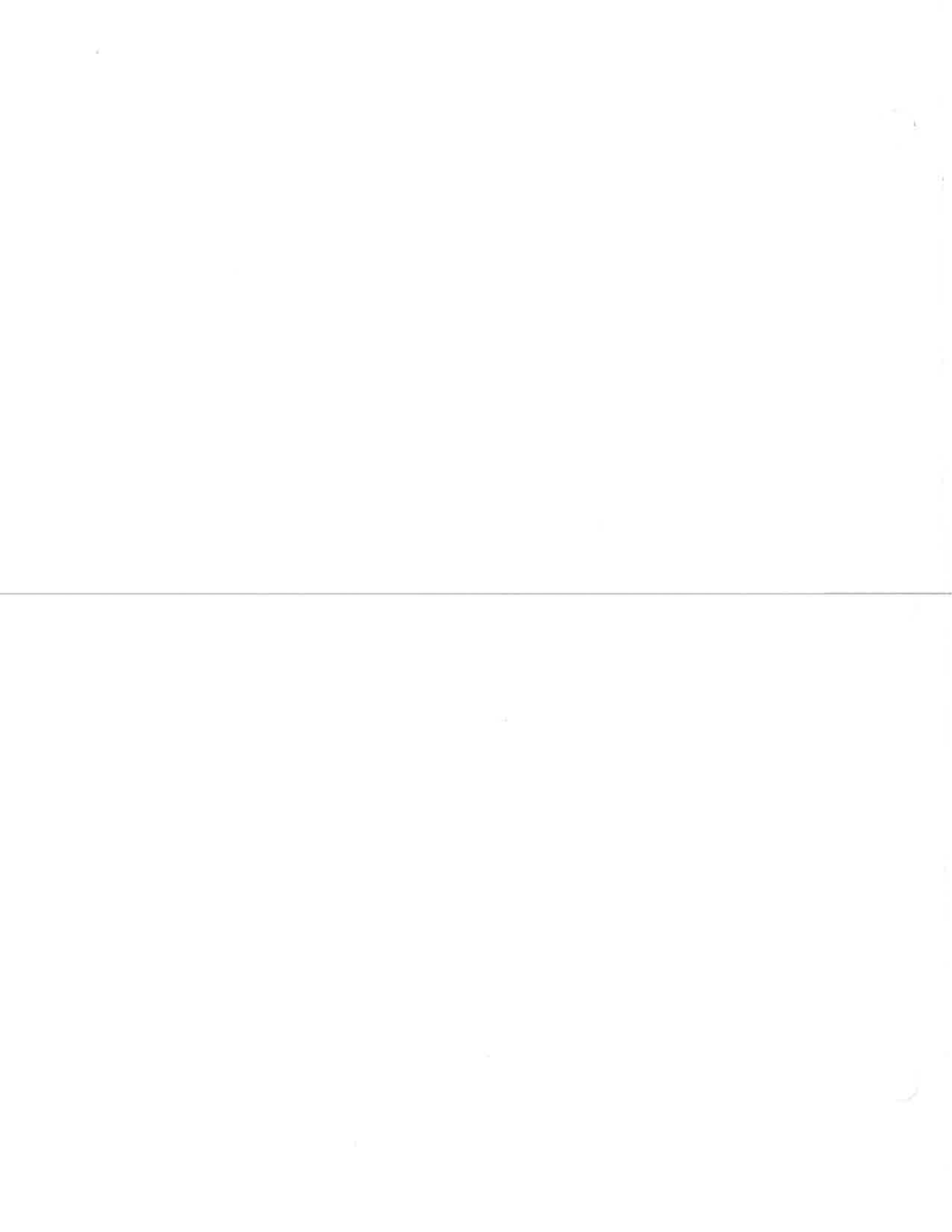
Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

AHERA Assessment Category: 1 = 1 Damaged or significantly damaged TSI ACBM;  
 2 = Damaged friable surfacing ACBM;  
 3 = Significantly damaged friable surfacing ACBM;  
 4 = Damaged or significantly friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material;  
 N = No assessment category provided in original inspection.

Note: HA 2 and 3, TSI. Extensive removal has occurred over the last couple of years. All of the ACM has been removed from the tunnels and the boiler room. The only remaining TSI is on pipelines above the tunnels throughout the building.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



# **TEOC**

**Tillotson Environmental Occupational Consulting**

3530 E. Price Rd.  
St. Johns, MI 48879  
(989) 227-2000  
Fax (989) 227-2005  
teoc@teoc.net

## **OWOSSO PUBLIC SCHOOLS**

### **EMERSON ELEMENTARY SCHOOL 515 E. OLIVER ST.**

## **INSPECTION/MANAGEMENT PLAN**

**APRIL 2014**



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## Owosso Public Schools Damage Report (All types)

**Bentley:** Wear on 9"x9" VAT at desk in utility room #108. Replace worn tiles with non-ACM material promptly.

**Bryant:** ACM debris in crawlspace entry area from boiler room. Needs cleaning promptly.

**Central:** TSI in 2nd floor attic above hallway at north access. Small damaged area, immediately adjacent to access ladder, on air-cell. Repair needed promptly.

**Emerson:**

1. ACM debris on west end of boiler #1 -- ~ 5' above floor - boiler room. Needs cleaning promptly.
2. Room 103 damage to sprayed-on ACM ceiling SE corner above light. ~1" piece dangling, removal and encapsulation **urgently** necessary.
3. Two ~ one inch damaged spots on sprayed on ceiling-- North end of 1st floor hallway near room 100. Encapsulate damaged areas promptly.
4. Stain on sprayed on ceiling -- North end of 2nd floor hallway near room 200. Monitor that area of ceiling for further deterioration.

**Roosevelt:** Large area of sprayed on ceiling missing (~ 30 ft. sq.) at North end of main hallway. Broken, potentially crumbly edge needs encapsulation promptly.

### Owosso Middle School:

1. Band room 120 has 2 areas of damaged VAT-- West side of room. Replace damaged tiles with non-ACM material promptly.
2. East stage storage room has ACM contamination on water pipe near valve. Cleaning needed **urgently**.
3. Pump room in basement has damaged TSI (elbow) overhead and debris on floor -- SW corner. Floor must be cleaned and elbow repaired or abated promptly.
4. Elbow wrapping loosened overhead along South wall. Rewrap promptly
5. Damage to TSI on valve tagged "22" North end of storage tunnel. Repair promptly.

**Owosso High School:** Loose Tiles as follows: Replace with non-ACM material promptly.  
Band room -- ~ 3" south of podium  
Room 306 -- small cluster ~ 20' from SE corner toward center of room



small cluster ~ 15' from NW corner toward center of room

**Lincoln:** No ACM found

**Administration Building:** TSI good condition in Furnace room -- VAT good condition

**Cedar Street Warehouse:** ~ 20 Lf of TSI near restroom -- open ends and school equipment laying on top of. ABATEMENT NEEDED

**Bus garage:** No ACM

**Vehicle repair/warehouse:** No ACM

**Willman field:** No ACM



## Owosso Public School Miscellaneous Report

**Bentley:** 9" x 9" VAT plus Mastic 10,360 Ft. sq.  
Fire doors -- Yes

**Bryant:** 9" x 9" VAT plus Mastic 23,500 Ft. sq.  
Fire doors -- Yes

**Central:** 9" x 9" VAT plus Mastic 13,630 Ft. sq.  
Fire doors -- Yes

**Emerson:** 9" x 9" VAT plus Mastic 22,200 Ft. sq.  
Fire doors -- Yes

**Roosevelt:** 9" x 9" VAT plus Mastic 3,545 Ft. sq.  
Fire doors -- Yes

**Washington:** 9" x 9" VAT plus Mastic 15,720 Ft. sq.  
Fire doors -- Yes

**O.M.S.:** 9" x 9" VAT plus Mastic 21,000 Ft. sq.  
Fire doors -- Yes

**O.H.S.:** 9" x 9" VAT plus Mastic 85,000 Ft. sq.  
Fire doors -- Yes

**Lincoln:** Fire doors -- Yes

**Administration:** 9" x 9" VAT plus Mastic 150 Ft. sq.  
Fire doors -- Yes

**Cedar Street Warehouse:** Fire doors -- Yes

**Bus Garage:** Fire doors -- Yes

**Vehicle Repair:** Fire doors -- Yes



## **Owosso Public School Surfacing Report**

**Bentley:** No surfacing

**Bryant:** 1957 addition ~ 12,200 Ft. sq.

**Central:** No surfacing

**Emerson:** ~ 6800 Ft. sq.

**Roosevelt:** ~ 1500 Ft. sq. East - West hallway

**Washington:** No surfacing

**O.M.S.:** No surfacing

**O.H.S.:** No surfacing

**Lincoln:** No surfacing

**Administration Building:** No surfacing

**Cedar Street Warehouse:** No surfacing

**Bus Garage:** No surfacing

**Vehicle Repair:** No surfacing





## Owosso Public School TSI Report

**Bentley:** No TSI

**Bryant:** No TSI

**Central:** TSI above 2nd floor hallway in attic, damaged at north end  
TSI running vertically to 2nd floor in 1st floor chases, between hall and classrooms

Total -- 350 Lf. good condition Non-friable

**Emerson:** No TSI

**Roosevelt:** No TSI

**Washington:** No TSI

**Owosso Middle School:** TSI throughout building

Storage tunnel -- ~ 10 fittings

Pump room basement --

~ 30 fittings - 4 need repair and 1 damaged needing abatement

Tank insulation ~ 20 Ft. sq.

Storage room basement -- ~ 5 fittings

Gymnasium -- ~ 10 fittings

Attic -- 90 Lf. Air cell per 3/1/88 inspection.

Total -- 145 Lf. good condition Non-friable

**Owosso High School:** TSI throughout building

North Cafeteria Mech. room -- 7 fittings

South Cafeteria Mech. room -- 2 fittings

Storage SW of Cafeteria -- 5 Lf. on/in wall

Office restroom pipechase -- 1 fitting

400 wing Attic -- 1 roof drain (fitting)

400 wing Janitors closet -- 6 fittings

100 wing Attic -- ~ 2 fittings

100 wing Janitors closet -- ~ 4 fittings

200 wing Attic -- ~ 2 fittings

200 wing Janitors closet -- ~ 6 fittings

Auditorium stroage -- 1 fitting

Maintenance workshop -- 1 fitting

Total -- 38 Lf. good condition



**Lincoln:** No TSI

**Administration Building:** ~ 27 fittings in and around Furnace room

**Cedar Street Warehouse:** ~ 20 Lf. on pipe beside and above restroom

**Bus Garage:** No TSI

**Vehicle Repair:** No TSI

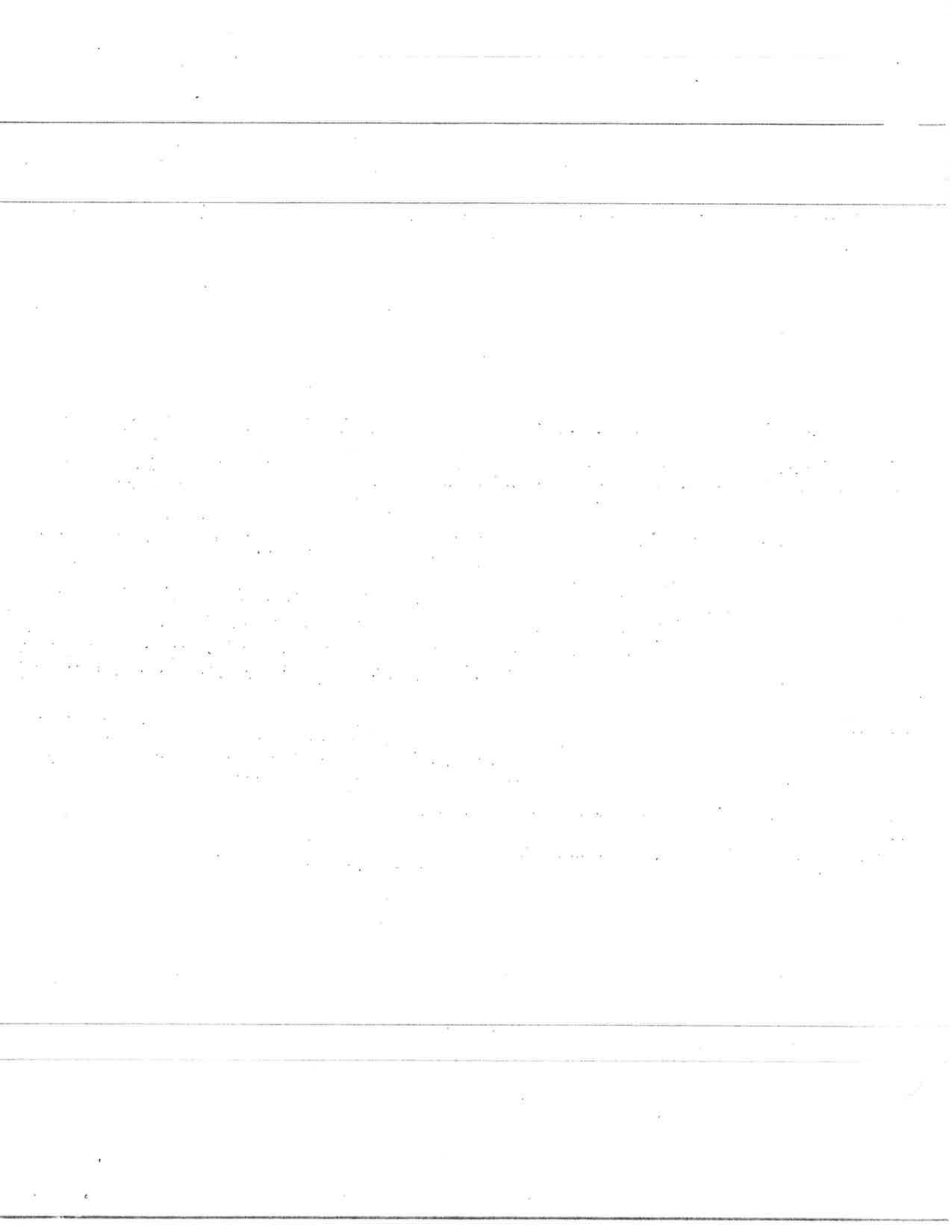
**Willman Field:** No TSI



## Appendix A.

### Definitions

This appendix defines terms used in this guidance document. The definitions are taken from 763.83 of the Asbestos-Containing Materials in Schools Rule, published in the October 30, 1987 Federal Register at 40 CFR Part 763. When in doubt about the definition of any term, refer to either this appendix, or 763.83 of the rule.



1. "Accredited" or "accreditation" when referring to a person or laboratory means that such person or laboratory is accredited in accordance with section 206 of Title II of the Act (AHERA).
2. "Asbestos" means the asbestiform varieties of: Chrysotile (serpentine); crocidolite(riebeckite); amosite (cummingtonitegrunerite); anthophyllite; tremolite; and actinolite.
3. "Asbestos-containing material" (ACM) when referring to school buildings means any material or product which contains more than 1 percent asbestos.
4. "Asbestos-containing building material" (ACBM) means surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of a school building.
5. "Damaged friable miscellaneous ACM" means friable miscellaneous ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of crumbling of the ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage, significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.
6. "Damaged friable surfacing ACM" means friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage, significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

7. "Damaged or significantly damaged thermal system insulation ACM" means thermal system insulation ACM on pipes, boilers, tanks, ducts, and other thermal system insulation where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, waterstained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional water damage on the protective covering/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.

8. "Friable" when referring to material in a school building means that the material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized, or reduced to powder by hand pressure.

9. "Homogeneous area" means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture.

10. "Local education agency" means:

(1) Any local educational agency as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 3381).

(2) The owner of any non-public, nonprofit elementary, or secondary school building.

(3) The governing authority of any school operated under the defense dependents' education system provided for under the Defense Dependents' Education Act of 1978 (20 U.S.C. 921, et seq.).

11. "Miscellaneous material" means interior building material on structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

12. "Non friable" means material in a school building which when dry may not be crumbled, pulverized, or reduced to powder by hand pressure.



13. "Potential damage" means circumstances in which:

(1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

(2) There are indications that there is reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

14. "Potential significant damage" means circumstances in which:

(1) Friable ACBM is in area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

(2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

(3) The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or, under certain circumstances, vibration or air erosion.

15. "Preventive measures" means actions taken to reduce disturbance of ACBM or otherwise eliminate the reasonable likelihood of the materials becoming damaged or significantly damaged.

16. "Response action" means a method, including removal, encapsulation, enclosure, repair, operations and maintenance, that protects human health and the environment from friable ACBM.

17. "School building" means:
- (1) Any structure suitable for use as a classroom, including a school facility such as a laboratory, library, school eating facility, or facility used for the preparation of food.
  - (2) Any gymnasium or other facility which is specially designed for athletic or recreational activities for an academic course in physical education.
  - (3) Any other facility used for the instruction or housing of students or for the administration of educational or research programs.
  - (4) Any maintenance, storage, or utility facility, including any hallway, essential to the operation of any facility described in this definition of "school building" under paragraph (1), (2), or (3).
  - (5) Any portico or covered exterior hallway or walkway.
  - (6) Any exterior portion of a mechanical system used to condition interior space.
18. "Significantly damaged friable miscellaneous ACM" means friable miscellaneous ACM where the damage is extensive and severe.
19. "Significantly damaged friable surfacing ACM" means damaged friable surfacing ACM in a functional space where the damage is extensive and severe.
20. "Surfacing material" means material in school building that is sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surface for acoustical, fireproofing, or other purposes.
21. "Thermal system insulation" means material in a school building applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### ASBESTOS MANAGEMENT PLAN

#### LEA Information

1. Local Education Agency (LEA) Name

OWOSSO PUBLIC SCHOOLS

2. LEA Address

Street

City

Zip

645 ALGER ST.

OWOSSO

48867

3. LEA Designated Person

Last

First

M.I.

HOCK

DAN

4. Designated Person Address (If Different than LEA Address)

Street

City

Zip

5. Designated Person Telephone Number

989-666-0129

6. Designated Person Training Information

TEOC DESIGNATED PERSON TRAINING - MAY 7, 2003



Training was conducted in accordance with  
the requirements of 40 CFR 763 (AHERA) Appendix C  
and Michigan Act 440, PA 1988

CERTIFICATE NO. DP03050701

TILLOTSON ENVIRONMENTAL OCCUPATIONAL CONSULTING

presents this certificate to:

DAN HOCK/SS# 377-66-0321

Dated:

MAY 7, 2003

for successful completion of the course and examination for:

**AHERA DESIGNATED PERSON TRAINING**

EXPIRATION DATE: N/A



MICHAEL R. TILLOTSON, CIH, CHMM

16262 Chandler Road Suite 101  
East Lansing, Michigan 48823  
517-324-0500



LEA Designated Person

It is the responsibility of each school district to designate a person who will be responsible for seeing that AHERA requirements are carried out. This person would need to:

1. Understand the requirements of AHERA (see section on LEA requirements sheet).
2. Be in a position to know of financial resources that might be available and procurement procedures.
3. Be able to make decisions regarding response actions.
4. Know and direct what to do in the event of a fiber release episode of ACM. He/she must file the required records of the incident.
5. Review the inspection, the management plan report, provide the necessary input to the management planner, and submit the final draft of the plan to the State.
6. Be responsible for seeing that the management plan is updated as required by AHERA.
7. Have adequate training to carry out the above and have knowledge of:
  - (i) Health affects of asbestos.
  - (ii) Detection, identification and assessment of ACM.
  - (iii) Options for controlling asbestos.
  - (iv) Asbestos management programs.
  - (v) Relevant Federal and State regulations concerning asbestos, including those in AHERA subpart E, OSHA, U.S. Dept. of Labor, U.S. Dept. of Transportation, and in U.S. EPA regulations.

These requirements for the Designated Person are according to an interpretation of AHERA in general and specifically Subpart E 763.84(g)(2).

Owosso Public Schools (LEA) has designated the following individual to be the LEA's Designated Person.

Donald W. Leveille	Dir. of Business Operations	(517) 723-8131
<u>Name</u>	<u>Title</u>	<u>Tel. no.</u>
P.O. Box 340	Owosso	MI 48867
<u>Address</u>	<u>City</u>	<u>State</u> <u>Zip</u>

The following training course was taken by the Designated Person to meet the requirements outlined above.

Course name: Two (2) hour Asbestos Abatement Safety and Health. Will complete a Designated Person Course in the near future. Has read the Federal Register dated 10/10/87 and meet the above requirements.

Date(s) attended: \_\_\_\_\_ Hours of instruction: \_\_\_\_\_  
Conducted by: (include address) \_\_\_\_\_











# TRUST THERMAL SYSTEMS

10445 Wright Rd. • Eagle, Michigan 48822 • (517) 626-6791

September 13, 1988

Don Leveille  
Owosso Public Schools  
1405 W. North St.  
Owosso, MI 48867

## Financial Considerations regarding the Asbestos Management Plan for the Owosso Public Schools

I, as the Designated Person, have read the recommendations for all of our buildings as supplied to us by our management planner. I have considered that the LEA has or will have at the appropriate time, the financial resources needed to accomplish the recommendations (includes reinspection, O & M, and training (form 93H)).

*Donald W. Leveille*

Don Leveille

*9/16/88*

date

Start Where will you go when you die? Heaven or hell? You can know for sure where you will go.

Rev 3:23.

How long will you pay for your sins? Realize that you cannot. — JESUS DIED FOR YOU and desires you to be saved! "I come that they might have life, and might have it abundantly." John 10:10. Will you put down your sin and pride and

come to Him? "For as many as received Him in them, He gave the power to become sons of God even to those that believe in His name." John 1:12 Trust in Him and He will save you. I would love to share with you what Christ has done in my life. Blessings to the next time that I am in contact with you.



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
1	BENTLEY ELEMENTARY SCHOOL

Building Address

Street	City	Zip
1375 W. NORTH ST.	OWOSSO	48867

Building Contains:

- |                                       |                          |   |                                     |
|---------------------------------------|--------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input type="checkbox"/> | 2. Non-Friable ACBM                       | <input checked="" type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/> | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/> |   |                                     |

SB#	School Building Name
2	BRYANT ELEMENTARY SCHOOL

Building Address

Street	City	Zip
925 HAMPTON ST.	OWOSSO	48867

Building Contains:

- |                                       |                          |   |                                     |
|---------------------------------------|--------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input type="checkbox"/> | 2. Non-Friable ACBM                       | <input checked="" type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/> | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/> |   |                                     |



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
3	CENTRAL ELEMENTARY SCHOOL

Building Address

Street	City	Zip
600 W. OLIVER ST.	OWOSSO	48867

Building Contains:

- 1. Friable ACBM
- 2. Non-Friable ACBM
- 3. Friable Material Assumed to be ACM
- 4. Non-Friable Material Assumed to be ACM
- 5. None of the Above

SB#	School Building Name
4	EMERSON ELEMENTARY SCHOOL

Building Address

Street	City	Zip
515 E. OLIVER ST.	OWOSSO	48867

Building Contains:

- 1. Friable ACBM
- 2. Non-Friable ACBM
- 3. Friable Material Assumed to be ACM
- 4. Non-Friable Material Assumed to be ACM
- 5. None of the Above





LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#

School Building Name

5

ROOSEVELT EARLY ELEMENTARY SCHOOL

Building Address

Street

City

Zip

201 N. BROOKS ST.

OWOSSO

48867

Building Contains:

1. Friable ACBM  2. Non-Friable ACBM   
3. Friable Material Assumed to be ACM  4. Non-Friable Material Assumed  
to be ACM   
5. None of the Above

SB#

School Building Name

6

WASHINGTON/LINCOLN/ADMIN. SCHOOLS

Building Address

Street

City

Zip

515 E. OLIVER ST.

OWOSSO

48867

Building Contains:

1. Friable ACBM  2. Non-Friable ACBM   
3. Friable Material Assumed to be ACM  4. Non-Friable Material Assumed  
to be ACM   
5. None of the Above



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#

School Building Name

7

OWOSSO MIDDLE SCHOOL

Building Address

Street

City

Zip

219 WATER ST.

OWOSSO

48867

Building Contains:

- |                                       |                                     |   |                                     |
|---------------------------------------|-------------------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input checked="" type="checkbox"/> | 2. Non-Friable ACBM                       | <input checked="" type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/>            | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/>            |   |                                     |

SB#

School Building Name

8

OWOSSO HIGH SCHOOL

Building Address

Street

City

Zip

765 E. NORTH

OWOSSO

48867

Building Contains:

- |                                       |                                     |   |                                     |
|---------------------------------------|-------------------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input checked="" type="checkbox"/> | 2. Non-Friable ACBM                       | <input checked="" type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/>            | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/>            |   |                                     |



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
9	OLD ADMINISTRATION/STORAGE BUILDING

Building Address

Street	City	Zip
1405 W. NORTH ST.	OWOSSO	48867

Building Contains:

- |                                       |                                     |   |                                     |
|---------------------------------------|-------------------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input checked="" type="checkbox"/> | 2. Non-Friable ACBM                       | <input checked="" type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/>            | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/>            |   |                                     |

SB#	School Building Name
10	CEDAR ST. MAINTENANCE/WAREHOUSE

Building Address

Street	City	Zip
1310 CEDAR ST.	OWOSSO	48867

Building Contains:

- |                                       |                                     |   |                                     |
|---------------------------------------|-------------------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input checked="" type="checkbox"/> | 2. Non-Friable ACBM                       | <input type="checkbox"/>            |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/>            | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/>            |   |                                     |



LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
11	TRANSPORTATION CENTER/BUS GARAGE

Building Address

Street	City	Zip
630 JEROME ST.	OWOSSO	48867

Building Contains:

- |                                       |                          |   |                                     |
|---------------------------------------|--------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input type="checkbox"/> | 2. Non-Friable ACBM                       | <input type="checkbox"/>            |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/> | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/> |   |                                     |

SB#	School Building Name
12	VEHICLE REPAIR/WAREHOUSE

Building Address

Street	City	Zip
208 CASS ST.	OWOSSO	48867

Building Contains:

- |                                       |                          |   |                                     |
|---------------------------------------|--------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input type="checkbox"/> | 2. Non-Friable ACBM                       | <input type="checkbox"/>            |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/> | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/> |   |                                     |





LEA Name

OWOSSO PUBLIC SCHOOLS

### Building Summary

SB#	School Building Name
13	WILLMAN FIELD

Building Address

Street	City	Zip
630 JEROME ST.	OWOSSO	48867

Building Contains:

- |                                       |                          |   |                                     |
|---------------------------------------|--------------------------|---|-------------------------------------|
| 1. Friable ACBM                       | <input type="checkbox"/> | 2. Non-Friable ACBM                       | <input type="checkbox"/>            |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/> | 4. Non-Friable Material Assumed to be ACM | <input checked="" type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/> |   |                                     |

SB#	School Building Name
	L

Building Address

Street	City	Zip

Building Contains:

- |                                       |                          |   |                          |
|---------------------------------------|--------------------------|---|--------------------------|
| 1. Friable ACBM                       | <input type="checkbox"/> | 2. Non-Friable ACBM                       | <input type="checkbox"/> |
| 3. Friable Material Assumed to be ACM | <input type="checkbox"/> | 4. Non-Friable Material Assumed to be ACM | <input type="checkbox"/> |
| 5. None of the Above                  | <input type="checkbox"/> |   |                          |



LEA Name

OWOSSO PUBLIC SCHOOLS

### Notification Procedures

SB#(s) Covered

ALL

Notification Procedures

OWOSSO PUBLIC SCHOOLS SENDS THE NOTIFICATION OUT IN THE SCHOOL NEWSLETTER AND/OR ARTICLE IN THE OWOSSO PAPER



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Pre-AHERA Inspection  
Building Description**

1. Date of Inspection

6/5/1985 & 3/19/1986

2. Building Description/Homogeneous Area Location

SEE ATTACHED - SURFACING AND THERMAL DOCUMENTATION

AVAILABLE IN  
MANAGEMENT PLAN  
ADMIN. OFFICE



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Inspector and Building Data**

1. Date of Inspection

FEBRUARY 1988

2. Inspector Name

Last

First

M.I.

TANNER

TIM

3. Inspector Signature

Date

SEE ATTACHED

FEB 1988

4. State of Accreditation

MI

5. Accreditation Number

B1031

6. Building Name

ALL

7. Building Address

Street

City

Zip

SEE ATTACHED

8. Local Education Agency (LEA) Name

OWOSSO PUBLIC SCHOOLS

9. LEA Address

Street

City

Zip

645 ALGER ST.

OWOSSO

48879






Management Plan Cover Sheet

Name of Planner: Tim Tanner

Accreditation # 00852 University of Illinois

AHERASec 763.93 (e) (12). Michigan is in the process of adopting a contractor accreditation plan. In the interim, the consultants listed in this report have been accredited in accordance with the University of Illinois, School of Public Health, Midwest Asbestos Information Center training as recognized by Region V EPA.

  
-----  
signature

5-4-88  
-----  
date



The University of Illinois at Chicago  
School of Public Health

**MIDWEST ASBESTOS INFORMATION CENTER**

Certifies that

TIMOTHY A. TANNER

Has Attended the Continuing Education Course

BUILDING INSPECTION

and Successfully Passed the Competency Exam

Date of Issuance      JANUARY 7, 1988

Date of Expiration    JANUARY 7, 1989

*Audrey K. Gordon*  
\_\_\_\_\_  
Director  
Continuing Education

*Janet A. Swody MD*  
\_\_\_\_\_  
Dean  
School of Public Health





The University of Illinois at Chicago  
School of Public Health

**MIDWEST ASBESTOS INFORMATION CENTER**



Certifies that

TIMOTHY A TANNER

Has Attended the Continuing Education Course  
MANAGEMENT PLANNING  
and Has Passed the Course Examination

DATE OF ISSUANCE

JANUARY 5, 19 38

DATE OF EXPIRATION

JANUARY 5, 1989



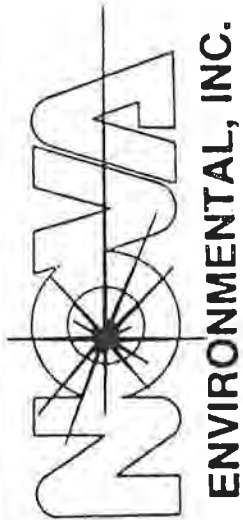
*Audrey Gordon*

Director  
Continuing Education and Public Services

*Jacob A Swobly MD*

Dean  
School of Public Health





*This Certifies That*

TIMOTHY TANNER

*has successfully completed the*

INSPECTOR & MANAGEMENT PLANNER REFRESHER COURSE

*Given in accordance with 40 CFR, Part 763 of the AHERA Standard*

*Date of Reaccreditation Training:* 12-15-88

*Expiration Date:* 12-15-89

*Original Certificate Number:* I1031, MP00852

*Darryl C. Smith*  
President, Nova Environmental, Inc.

*[Signature]*  
Instructor





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
 CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
 AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Homogeneous Area Report**

Homogeneous Area (HA) Name	HA#	F/NF	K/A/N	Classification n SM/TS/MM	Size SF/LF
SEE ATTACHED					



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
 CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
 AHERA MANAGEMENT PLAN

LEA NAME

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**FUNCTIONAL SPACE**

SEE ATTACHED FOR LOCATIONS OF HA's

Functional Space (FS) Name

Homogeneous Area	HA#	F/NF	K/A/N	Classification SM/TSI/MM

Functional Space (FS) Name

Homogeneous Area	HA#	F/NF	K/A/N	Classification SM/TSI/MM







LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Sample Location Determination

1. Describe Manner Used to Determine Sample Locations

THE PINK BOOK WAS USED AS A FRAMEWORK FOR RANDOM DISTRIBUTION  
SAMPLING - CLASS CONTENT ALSO

2. Inspector Name

Last

First

M.I.

TANNER

TIM

3. Inspector Signature

Date

SEE ATTACHED

FEB 1988

4. State of Accreditation

MI

5. Accreditation Number

B1030





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Sample Locator**

HA#

Sample #

Exact Sample Location

SEE ATTACHED DIAGRAMS FOR SAMPLE LOCATIONS

HA#

Sample #

Exact Sample Location

HA#

Sample #

Exact Sample Location



ABBREVIATION SHEET FOR  
OWOSSO PUBLIC SCHOOLS

ACM - Asbestos containing material  
ACBM - Asbestos containing building material  
ACPW - Air cell paper wrap  
APW - Asbestos paper wrap  
AS ACM - Assumed ACM  
BJ - Boiler Jacket  
Dam - damaged condition  
El - Elbows ( includes Tee's)  
Fr - friable  
FGPW - Fiberglass pipe wrap  
FBPW - Fiberboard pipe wrap  
GC - good condition  
JC - janitor closet  
K - Kiln  
ND - Not damaged  
ND on bulk sample sheet - none detected  
NF - Not friable  
PC - pipe chase  
PD - potential damage  
PW - pipe wrap  
PSD - potential for significant damage  
R - riser with pipe wrap  
SD - significant damage  
SUS - suspect  
SUR - surfacing material  
Th - Thermal insulation  
OHS - Owosso High School  
OJH - Owosso Jr. High  
ORE - Roosevelt Elementary  
OCE - Central School  
OEE - Emerson Elementary  
OBE - Bentley Elementary  
OBRE - Bryant Elementary  
OWE - Washington Elementary  
OLE - Lincoln Elementary  
OMW - Maintenance/Warehouse Building  
OAM - Administration  
RR - Restroom



INSPECTION OF  
OWOSSO PUBLIC SCHOOLS  
AS PER AHERA

Building Inspected:  
Emerson Elementary School  
515 E Oliver Owosso MI 48867  
Built:1928 Addition: 1957  
Square Footage: 53,100

This building was inspected by Tim Tanner, #B1031, of Trust Thermal Systems. The inspection was done on February 25, 1988



OWOSSO PUBLIC SCHOOL 2 OF 2

All PW and E1 AS-ACM unless FCPW per the age of the building and school preference.

This building is divided into two areas: Area #1 - 1928 Original Building; Area #2 - 1957 Addition.

AREA #1 - ORIGINAL BUILDING

Boiler Room

- There are two boilers: #1- 8 yrs old w/ FG insulation;
- \* --- #2-original, 92 sq ft of AS-ACM, Fr-needs repair in open edge on front about 5 sq ft, Repair or remove
- Crawlspace, S.end: 145 lin ft ACPW 15 E1, AS-ACM, NF, GC, except:
  - \* -- 1 E1 under rm 108, rewrap
- In whole building: 1,400 lin ft ACPW, AS-ACM, w/30 lin ft PW and 15 E1 in boiler rm, NF, GC

Storage Room

- \* --- 50 lin ft ACPW AS-ACM, w/open ends having sheet metal wrap around the PW and 2 E1. 5 Fr ends, repair or remove

Custodial Room (Janitors Closet)

- 1,200 sq ft hard plaster ceiling, homogeneous to 1928 building, SUSACM, Sample OEE1-38

Basement

- Ceiling tile in basemt classrm SUSACM, NF, GC: type #1-2,028 sq ft 12x12 block rms 10&11, Sample OEE-49; type #2-2,028 sq ft 2x2 block rms 12&13, Sample OEE-50

Second Floor

- Hard plaster in hall and classrm walls. 28,824 sq ft, SUSACM, NF, GC, Sample OOE1-40

First Floor

- Hard plaster in halls and classrms 24,024 sq ft, SUSACM, NF, GC, Sample OEE1-39

- On the first floor 4 room have had cieling removed and a new spray-on cieling put in the rooms # 103,107,207,206, check with prior data for information on the product used.

AREA #2 - 1957 ADDITION

- \* --- Spray-on ceiling in hall and classrms, 6,766 sq ft, SUSACM, Fr, Samples OEE2-41,42,43,45,46,47,48

- Hard plaster was found in these areas and is SUSACM, NF, GC:
  - Kitchen ceiling 288 sq ft
  - Boys and Girls rr 468 sq ft
  - Shower rms and stairway to locker rms 480 sq ft
  - Media center ceiling by checkout area, Sample OEE2-44

Tunnel

- \* --- Under kitchen area, along W. tunnel wall has AS-ACM debris on the floor of the tunnel for about 10 ft, Fr, Wet Clean
- FGPW w/105 AS-ACM E1, NF, GC

SPECIAL NOTES:

- All floor tile AS-ACM, NF, GC see Floor Tile Sheet 22,220 sq ft





## FLOOR TILE INFORMATION SHEET

Trust Inertial Systems, 10445 Wright Road, Eagle, Michigan 48922

Please identify all areas in each building that contain 9x9 or 12x12 inch floor tile. (If it is easier to identify the areas that do not contain floor tile, you may do so, but please clearly label it as such).

Building: Washington Elementary, 645 Alger, Owosso, MI 48867

9" Tile Sq. Ft. 607

S. & E. Entrance

Kitchen

H.L. Office

12" Tile Sq. Ft. 3450

Room 4, 5, 6, 7, 8

12 x 6 Tile Sq. Ft. 11660

Room 101, 102, 103, 104, 105, 106

Room 201, 202, 203, 204, 205, 206,

207 & 208

Building: Central Elementary, 600 W. Oliver, Owosso, MI 48867

9" Tile Sq. Ft. -First Floor 7766

Room 103, 104, 106, 107, 108, 109

110, 111, 112, 115

Kitchen

Storage

Office

9" Tile Sq. Ft. -Second Floor 5880

Room 201, 202, 203, 205, 206, 207,

208, 209, & Lounge

Total Sq. Ft. 13646

Building: Bryant Elementary, 925 Hampton, Owosso, MI 48867

9" Tile Sq. Ft. 22794

21 Classrooms

Room 121, 133, 103, 110

Lounge, Office, Lounge

Other Lounge, Nurse Room

12" Tile Sq. Ft. 464

Kitchen

Storage Room by Media Center

Building: Bentley Elementary, 1375 W. North, Owosso, MI 48867

9" Tile Sq. Ft. 10362

Room 105, 126, 127, Storage, 132, 133, 134, 135, 136, 137,

138, P.E. Storage, Office, C. Closet, Lounge

Building: Owosso Junior High, 219 N. Water, Owosso, MI 48867

9" Tile Sq. Ft. 8262

Art Room, Kitchen, Band Room

Room 201, 202, 205, & 206

12" Tile Sq. Ft. 12740

Maintenance Room, Boys Locker Room, Room 20, Media Office

Lounge, Room 11, Sick Room, Room 111, 118, 119, 203, 204, 209  
212, 301, 304, 305, 306, 307, 309







FLOOR TILE INFORMATION SHEET

Trust Inernal Systems, 10445 Wright Road, Eagle, Michigan 48922

Please identify all areas in each building that contain 9x9 or 12x12 inch floor tile. (If it is easier to identify the areas that do not contain floor tile, you may do so, but please clearly label it as such).

Building: Administration Building, 1405 W. North, Owosso, MI 48867  
9" Tile Sq. Ft. 153.3

Halls

Storage Room

Vault

Building: Owosso Schools (Warehouse), 1310 S. Cedar, Owosso, MI 48867  
no tile

Building: Owosso Schools (Bus Garage), 301 S. Dewey Street, Owosso, MI 48867  
12" Tile Sq. Ft. 693

Building:

Building:



## FIRE DOOR INFORMATION SHEET

Trust Thermal System, In., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and/or area that contain a Fire Barrier, or Fire Door (ie. H.S. - Boiler Room doors, Storage Room doors in rm. 38, 17, & the Chem. Lab.)

Building: Administration Bldg.

3 Metal Doors Steel Craft - Fire rate  $1\frac{1}{2}$  hrs. B

Located on vault upstairs, vault in the lower level and at the top of the stairs to the lower level.

Building: Bentley Elementary

9 Metal Doors, Fenestra fire rate  $1\frac{1}{2}$  hrs. B, hollow core.

Locations: 2 on boiler room, one on kitchen, 1 on janitors room, 1 on storage room in gym, 1 to office room, 2 in principal's office, 1 on custodial room.

Building: Bryant Elementary

1 Fire door on boiler room

Philips Mfg. Co. fire door - wood filled metal.

Building: Central Elementary

2 Fire doors - 1 on boiler room is wood filled metal door.

1 on fan room is a Philip Mfg. Co. wood filled metal door.

Building: Emerson Elementary

2 Fire doors on boiler room

1 is a constructed wood filled metal door and the other a Fenestra Fire rate  $1\frac{1}{2}$  hrs.





## FIRE DOOR INFORMATION SHEET

Trust Thermal System, Inc., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and/or area that contain a Fire Barrier, or Fire Door (ie. U.S. - Boiler Room doors; Storage Room doors in rm. 38, 17, & the Chem. Lab.)

Building: Lincoln School

2 Fire doors on boiler room

1 a constructed wood filled metal door and

1 Philips Mfg. Co. Fire door (Wood Filled).

Building: Roosevelt Elementary

4 Fire doors in basement on boiler room and custodial rooms.

All are wood doors covered with metal.

Building: Washington Elementary

3 Fire doors on boiler room

1 was a constructed wood filled metal door and

2 are Philips Mfg. Co. wood filled metal doors.

Building: Owosso High School

7 Fire doors. Pioneer Fire proof door rated 1½ hr. B  
1 to boiler room, 1 to tunnels, 1 to burn room and 4 on  
the back of the stage. Labs and maintenance room are  
all wood doors.

Building: Warehouse Building

2 entrance doors are Fenestra Fire rated 1/2 hr.



## Fire Door Information Sheet

Trust Thermal Systems, Inc., 10445 Wright Rd., Eagle, MI 47722

Please identify all locations in each building by room number and or area that contain a Fire Barrier, or Fire Door (ie H.S. - Boiler Room doors, Storage Room door in rm. 38, 17, & the Chem. Lab.)

Building: Owosso Junior High

Pioneer Industries - Fire doors rated 1 1/2 hrs. B and 3/4 hrs. C, per the following list.

### 1 1/2 hours B

308  
Custodial (5)  
205  
202  
Old Stairwell  
Stage (2)  
Band Storage  
Band Exit  
121  
Kitchen (2)  
11  
2  
1  
3  
112 (2)  
113 (3)  
114 (5)  
W. Bath (2)  
116  
19 (2)  
21  
22  
23 (2)  
Tunnel  
24 (8)  
Filter Room  
27  
Boiler Room

### 3/4 hours C

3 RD Floor N. Hall  
3 RD Floor Middle  
3 RD Floor S. Hall (2)  
2 ND Floor S. Hall (2)  
2 ND Floor Middle (2)  
2 ND Floor N. Hall  
1 ST Floor N. Hall  
1 ST Floor Middle (4)  
1 ST Floor S. Hall (2)  
Cafe (4)  
Center Hall (3)  
2 (3)  
Shop Hall  
Basement West (2)  
1 ST Floor West (2)  
21  
23  
114  
Basement Stairwell



OWOSSO PUBLIC SCHOOLS 8 OF 12  
ACM Summary

EMERSON ELEMENTARY SCHOOL

THERMAL SYSTEMS INSULATION

1. AREA #1 - ORIGINAL BUILDING

A. Boiler Room

- \* 1. #2 boiler (original) 78 sq ft Assumed ACM boiler jacket, Friable, open edge on front about 5 sq ft.
- 2. Crawlspace south end, 145 lin ft Air Cell Pipewrap, 15 elbows, Assumed ACM, Non Friable, good condition, except:
  - \* a) 1 Damaged elbow under room 108.
- 3. In whole building: 1,400 lin ft Air Cell Pipewrap, Assumed ACM, with 30 lin ft Pipewrap and 15 elbows in boiler room, Non Friable, good condition.

B. Storage Room

- \* 4. 50 lin ft Air Cell Pipewrap with open ends having sheet metal wrap around the Pipewrap, and 2 elbows. (5 Friable ends)

2. AREA #2 - 1957 ADDITION

A. Tunnel

- \* 5. Under kitchen area along west tunnel wall has debris on floor of tunnel for about 10 ft, Assumed ACM, Friable.
- 6. 105 elbows Assumed ACM, Non Friable, good condition.

SURFACING MATERIAL

2. AREA #2 - 1957 ADDITION

A. Classrooms

- 1. Spray-on ceilings, 6,766 sq ft, ACM, Friable,
  - \* a) Damage on ceiling of W lobby entrance and stairwell, approximately 250 sq ft.

MISCELLANEOUS MATERIALS

SPECIAL NOTES:

All floor tile Assumed ACM, Non Friable, good condition. 22,220 sq ft, see Floor Tile Sheet for location

ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED



OWOSSO PUBLIC SCHOOLS DRYWALL INSPECTION  
PAGE 1 OF 3

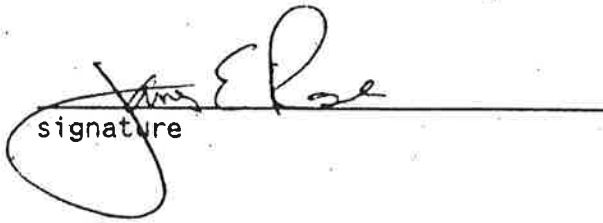
The following inspection for Owosso Public Schools was conducted by Jim Rose. The inspector was responsible for all data generation, sampling, and assessments for the following buildings:

Administration Building  
Bentley Elementary  
Bryant Elementary  
Bus Garage  
Central Elementary  
Emerson Elementary  
High School  
Junior High  
Lincoln Elementary  
Roosevelt Elementary  
Washington Elementary  
Warehouse

The inspection for drywall itself was conducted in accordance with AHERA guidelines for Miscellaneous materials.

Inspection Completion Date: 6/26/88

Owosso Public Schools  
1405 N. Street  
Owosso, Michigan 48872

  
signature

I-1074  
accreditation #  
DeLisle Labs,  
Kalamazoo

AHERA Inspector: James E. Rose  
10445 Wright Rd.  
Eagle, MI 48822





OWOSSO PUBLIC SCHOOLS DRYWALL INSPECTION  
PAGE 2 OF 3

The following is my inspection report for drywall in the Owosso Public Schools. Our inspection was greatly assisted by Mr. Richard Langdon, Asbestos Program Manager, whose knowledge of the buildings and materials greatly helped our inspection.

ADMINISTRATION BUILDING

--120 square feet of drywall was found in the basement of the Administration Building which was sampled (OAM D-1). It was in good condition, NF.

BENTLEY ELEMENTARY

--96 square feet of drywall on a partition in the kitchen area was sampled (OBN D-2). It was in good condition, NF.

BRYANT ELEMENTARY

--1100 square feet of drywall was found in an energy enhancement project. Two samples were taken of this homogeneous area (OBRE D-5; OBRE D-6). It was in good condition, NF.

--300 square feet of drywall in Rm 103 on a wall partition was sampled (OBRE D-4). It was in good condition, NF.

BUS GARAGE

--500 square feet of drywall on the E wall was sampled (OBG D-10). It was in good condition, NF. There was also 320 square feet of Gold Brand Fire Rated drywall on the W wall. It was sampled (OBG D-11; OBG D-12). Damage was noted covering approximately 2% of the area. Damaged areas were friable, balance was in good condition, NF.

CENTRAL ELEMENTARY

--1300 square feet of drywall in the gym windows from an energy enhancement project was sampled (OCE D-21). It was in good condition, NF.

EMERSON ELEMENTARY

--There was 1600 square feet of drywall in the E and W basement hallways which was sampled (OEE D-16; OEE D-17; and OEE D-18). There was an additional 104 square feet of the same drywall off the stage area. It was in good condition, NF.



OWOSSO PUBLIC SCHOOLS DRYWALL INSPECTION  
PAGE 3 OF 3

HIGH SCHOOL

--240 square feet of drywall in Rm 310 was sampled (OHS D-13). It was in good condition, NF.

--140 square feet of drywall in the Conference Rm at the NW corner of the auditorium was sampled (OHS D-14). It was in good condition, NF.

--120 square feet of drywall in Rm 202 was sampled (OHS D-15) and was in good condition, NF.

JUNIOR HIGH

--200 square feet of drywall in Rm 204. It was sampled (OJH D-19). It was in good condition, NF.

LINCOLN ELEMENTARY

--200 square feet of drywall in the first floor boy's bathroom was sampled (OLD D-20). It was in good condition, NF.

ROOSEVELT ELEMENTARY

--770 square feet of drywall around the perimeter windows in an energy enhancement project. It was sampled (ORE D-3). It was in good condition, NF.

WASHINGTON ELEMENTARY

--850 square feet of drywall in the gym in an energy enhancement project was sampled (OWS D-8). It was in good condition, NF.

--200 square feet of drywall in Rm 4 was sampled (OWS D-9). It was in good condition, NF.

WAREHOUSE

--325 square feet of drywall making up the bathroom walls was sampled (OW D-7). It was in good condition, NF.




OWOSSO PUBLIC SCHOOLS CEILING INSPECTION  
PAGE 1 OF 4

The following inspection for Owosso Public Schools was conducted by Jim Rose. The inspector was responsible for all data generation, sampling, and assessments for the following buildings:

Administration Building	6/26/88	
Bentley Elementary	6/26/88	
Bryant Elementary	6/26/88	2/14/89
Bus Garage	6/26/88	2/14/89
Central Elementary	6/26/88	
Emerson Elementary	6/26/88	
High School	6/26/88	2/14/89
Junior High	6/26/88	
Lincoln Elementary	6/26/88	2/14/89
Roosevelt Elementary	6/26/88	
Washington Elementary	6/26/88	

The inspection for ceiling tile itself was conducted in accordance with AHERA guidelines for Miscellaneous materials.

Owosso Public Schools  
1405 N. Street  
Owosso, Michigan 48872

  
signature

I-1074  
accreditation #  
DeLisle Labs,  
Kalamazoo

AHERA Inspector: James E. Rose  
10445 Wright Rd.  
Eagle, MI 48822



**OWOSSO PUBLIC SCHOOLS CEILING INSPECTION**  
**PAGE 2 OF 4**

The following is my inspection report for ceiling tiles in the Owosso Public Schools. Our inspection was greatly assisted by Mr. Richard Langdon, Asbestos Program Manager, whose knowledge of the buildings and materials greatly helped our inspection.

**ADMINISTRATION BUILDING**

Two types of ceiling tile were found in the Administration Building:

- 1.) 60 square feet of FISSURED 2X4 LAY-IN in the basement office was sampled (OAM C-1). It was in good condition, but by the nature of ceiling tile was friable.
- 2.) 1090 square feet of 12x12 GLUE-ON covered the remainder of the building which was sampled (OAM C-4). It was in good condition, but by the nature of ceiling tile was friable.

**BENTLEY ELEMENTARY**

There was one type of ceiling tile noted at Bentley Elementary:

- 1.) 96 square feet of FISSURED 2x4 LAY-IN in the hallway off the kitchen was sampled (OBN C-2). It was in good condition but by the nature of ceiling tile was friable.

**BRYANT ELEMENTARY**

Three types of ceiling tile were discovered at Bryant Elementary:

- 1.) 7500 square feet of NEW FISSURED 12x12 GLUE-ON in S wing. It was sampled (OBRE C-5). It was in good condition but by the nature of ceiling tile was friable.
- 2.) 44,000 square feet of OLD FISSURED 12x12 GLUE-ON throughout the building, except S wing, was sampled (OBRE C-6; OBRE C-7). It was in good condition but by the nature of ceiling tile was friable.
- 3.) 96 square feet of 2x2 RECESSED TRACK LAY-IN in Assistant Principal's office was sampled (OBRE C-1a). It was in good condition but by the nature of ceiling tile was friable.





**OWOSSO PUBLIC SCHOOLS CEILING INSPECTION**

**PAGE 3 OF 4**

**BUS GARAGE**

One area of ceiling tile was found at the Bus Garage:

- 1.) 1040 square feet of FISSURED 2X4 LAY-IN was found in the lounge area. It was sampled (OBG C-2a) and was in good condition but by the nature of ceiling tile was friable.

**CENTRAL ELEMENTARY**

One type of ceiling tile was noted at Central Elementary:

- 1.) 40,000 square feet of OLD FISSURED 12x12 GLUE-ON was located in all areas except for the gym. It was sampled (OCE C-15). It was in good condition but by the nature of ceiling tile was friable.

**EMERSON ELEMENTARY**

One type of ceiling tile was found at Emerson Elementary:

- 1.) 1600 square feet of 2x2 RECESSED TRACK LAY-IN in the basement hallway was sampled (OEE C-12). It was in good condition but by the nature of ceiling tile was friable.

**HIGH SCHOOL**

Two types of ceiling tile were found in the High School:

- 1.) 1220 square feet of 12 x12 GLUE ON in the hallway by the counseling office and in the hallway by "100 Commons" was sampled (OHS C-3a). It was in good condition but by the nature of ceiling tile was friable.
- 2.) 1320 square feet of 2x2 RECESSED TRACK LAY-IN in Rms 411-414 (sampled: OHS C-10); 280 square feet in the Adult Education office (sample: OHS C-11); and 140 square feet in the Conference Rm on the NW corner of the Auditorium (sample OHS C-11 was used to represent this area). All was in good condition but by the nature of ceiling tile was friable.

**JUNIOR HIGH**

One type of ceiling tile was found in the Junior High:

- 1.) 800 square feet of PERFORATED 12X12 GLUE ON in the basement hallways was sampled (OJH C-13; OJH C-14). It was in good condition but by the nature of ceiling tile was friable.



OWOSSO PUBLIC SCHOOLS CEILING INSPECTION

PAGE 4 OF 4

LINCOLN ELEMENTARY

There was one type of ceiling tile in Lincoln Elementary:

- 1.) 1500 square feet of FISSURED 2X4 LAY-IN in the second floor hallway was sampled (OLN C-4a). It was in good condition but by the nature of ceiling tile was friable.

ROOSEVELT ELEMENTARY

One type of ceiling tile was located at Roosevelt Elementary:

- 1.) 14,454 square feet (entire building) contained FISSURED 2X4 LAY-IN. It was sampled (ORE C-3). It was in good condition but by the nature of ceiling tile was friable.

WASHINGTON ELEMENTARY

Two types of ceiling tile were found at Washington:

- 1.) 43,000 square feet of OLD FISSURED 12x12 GLUE-ON throughout building, except for teacher's lounge was sampled (OWS C-8). It was in good condition but by the nature of ceiling tile was friable.
- 2.) 180 square feet of 2x2 RECESSED TRACK LAY-IN in the teacher's lounge. It was sampled (OWS C-9). It was in good condition but by the nature of ceiling tile was friable.



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Hazard Assessment**

1. Inspector Name

Last

TANNER

First

TIM

M.I.

2. Inspector Signature

SEE ATTACHED

Date

MAR 1988

3. State of Accreditation

MI

4. Accreditation Number

B1030

HA#

SEE ATTACHED

Hazard Assessment Classification

SEE ATTACHED

Reason for Classifications

MET THE DEFINITION FOR RESPONSE ACTION



Owosso  
Prioritization Sheet for ~~Eaton Rapids Public Schools~~

The following gives the priority schedule for each friable material needing attention. The items are listed in the preceding management plan. Please be reminded that we have given dates for completion of said actions.

1. Top Priority Items: **Immediate Attention Required:**  
These areas are to be isolated and only entered by trained personnel using protective equipment.  
Lincoln Elementary - Item 3,  
Roosevelt Elementary - Item 2,
2. Student/teacher traffic areas where there is friable ACM material requiring repair.  
Central Elementary - Item 10  
Roosevelt Elementary - Item 3,
3. Maintenance staff traffic areas where there is damaged or friable ACM material requiring repair.  
High School - Item 1  
Bentley Elementary - Item 2, 3  
Bryant Elementary - Item 2  
Central Elementary - Item 5, 7, 8  
Emerson Elementary - Item 1, 3  
Lincoln Elementary - Item 1, 2,  
Washington Elementary - Item 4,  
Warehouse - Item 1
4. Non-traffic areas where there is friable ACM material requiring repair.  
High School - Item 3  
Jr. High - Item 2  
Bryant Elementary - 1950 section - Item 7, 8  
  1957 Addition - Item 10  
Central Elementary - Item 2,  
Emerson Elementary - Item 6,  
Washington Elementary - Item 2, 3, 5, 7,

IN ALL BUILDINGS:

All fire brick, fire doors and thermal insulation gaskets are Assumed ACM unless otherwise stated.  
Non-Friable. O & M Recommended.





Owosso Public School  
Letter of recommendation for ACM  
EMERSON ELEMENTARY SCHOOL

AREA # 1 BOILER ROOM & ORIGINAL BUILDING

- (X) ( ) X The original boiler has 92 sq ft of assumed ACM jacked with about 5 sq ft of friable edges on the front of the boiler. Our recommendation is to repair. The estimated costs \$ 200. If completed by your APM. To be accomplished by Aug, 31, 1988.
- (X) ( ) 2. There are 1,400 lin ft of Pipewrap, with ~~30 lin ft in the boiler room~~ all assumed ACM nonfriable. Our recommendation is O&M. (See ACM map for location)
- (X) ( ) 3. In the storage room there is 50 lin ft of pipe with air cell insulation. This pipe has metal wrap, with 5 open ends and 2 friable elbows. Our recommendation is to repair/rewrap. Estimated costs \$ 50 if done by your APM. To be accomplished by Aug 31, 1988.

AREA #2 1957 ADDITION

- (X) ( ) 4. We have 6,766 sq ft of Spray-on ceilings in the hallways and the media center which are ACM. There is no damage or vandalism. Our recommendation is O&M.
- (X) ( ) 5. The tunnel has 105 Elbow assumed ACM nonfriable, non-friable. O&M recommended.
- (X) ( ) 6. Under the kitchen area along the west wall there is assumed ACM debris. Our recommendation is to wet clean this area. If done by your APM the estimated costs is \$ 35. To be accomplished by Aug, 31, 1989.
- (y) ( ) 7. The floor tiles throughout the buildings, 22,220 sq.ft. (see floor tile map) that are assumed ACM are not to be damaged, drilled, sanded or ground in any way handled so as to disturb material or release fibers. O&M suggested.

ADDITIONAL COMMENTS PERTAINING TO OWOSSO PUBLIC SCHOOLS:

There may be ACM located behind barriers that we do not know about. It is our recommendation that your APM or the Designated Person be on hand when major demolition occurs. Also we suspect that there may be ACM within fire doors throughout your buildings. In the event of damage to any of the doors, contact the DP or APM.

Tim Tanner  
Tim Tanner

00852  
cert. #

5-4-88  
date

I, as the Designated Person, have read, checked the appropriate boxes, and responded accordingly as per your opening paragraph.

\_\_\_\_\_  
Donald W. Leveille

\_\_\_\_\_  
date



Owosso Public School  
Letter of recommendation for ACM

✓ Removed

EMERSON ELEMENTARY SCHOOL

AGREE DISAGREE

AREA # 1 BOILER ROOM & ORIGINAL BUILDING

- ( ) (X) ✓ 1. The original boiler has 92 sq ft of assumed ACM jacked with about 5 sq ft of friable edges on the front of the boiler. Our recommendation is to repair. The estimated costs \$ 200. If completed by your APM. To be accomplished by Aug, 31, 1989.
- ( ) (X) 2. There are 1,400 lin ft of Pipewrap, with <sup>✓ Removed</sup> (30 lin ft in the boiler room all assumed ACM nonfriable. Our recommendation is O&M. (See ACM map for location)
- ( ) (X) 3. In the storage room there is 50 lin ft of pipe with air cell insulation. This pipe has metal wrap, with 5 open ends and 2 friable elbows. Our recommendation is to repair/rewrap. Estimated costs \$ 50 if done by your APM. To be accomplished by Aug 31, 1989. <sup>Cool Bin</sup> *Repaired*

AREA #2 1957 ADDITION

- (X) ( ) 4. We have 6,766 sq ft of Spray-on ceilings in the hallways <sup>Ceilings (stairwell)</sup> and the media center which are ACM. There is no damage or vandalism. Our recommendation is O&M. *Put*
- (X) ( ) 5. The tunnel has 105 Elbow assumed ACM nonfriable, non-friable . O&M recommended.
- ( ) (X) 6. Under the kitchen area along the west wall there is assumed ACM debris. Our recommendation is to wet clean this area. If done by your APM the estimated costs is \$ 35. To be accomplished by Aug, 31, 1989. *Cleaned*
- (X) ( ) 7. The floor tiles throughout the buildings, 22,220 sq.ft. (see floor tile map) that are assumed ACM are not to be damaged, drilled, sanded or ground in any way handled so as to disturb material or release fibers. O&M suggested.

GENERAL BUILDING STATEMENTS

- (X) ( ) 8. The insulation in fire doors throughout this building is Assumed to be ACM. These doors are not to be sanded, drilled, or handled in anyway which will disturb material so as to release fibers. O & M Recommended.
- (X) ( ) 9. Thermal Gaskets and fire bricks are assumed to be ACM unless otherwise noted in the report. These materials are nonfriable and are not to be disturbed in any way which will release fibers. We recommend O & M.



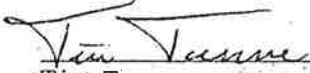
Owosso Public School  
Letter of recommendation for ACM

EMERSON ELEMENTARY SCHOOL - continued

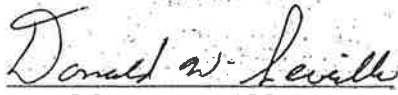
ADDITIONAL COMMENTS PERTAINING TO OWOSSO PUBLIC SCHOOLS:

Additional Comments: There may be ACM located behind barriers that we do not know about. It is our recommendation that your APM or the Designated Person be on hand when major demolition occurs.

I, as the Designated Person, have read the recommendations, considered that the LEA has the financial resources needed to accomplish the recommendations (includes reinspection and training (form 93H)), checked the appropriate boxes, and responded accordingly as per your opening paragraph.

  
\_\_\_\_\_  
Tim Tanner

00652  
cert. # \_\_\_\_\_ date \_\_\_\_\_

  
\_\_\_\_\_  
Donald W. Leville

2-21-89  
date \_\_\_\_\_





**OWOSSO PUBLIC SCHOOLS**

1405 W. North Street  
P.O. Box 340  
Owosso, MI 48867  
(517) 723-8131

February 21, 1989

In Re: Letter of Recommendation for ACM Found for  
the Owosso LEA. - Warehouse Building

I, the Designated Person, have marked item #1 as disagree as our maintenance crew repaired 6 open ends on the air cell pipewrap between August 30 and September 9, 1988.

I have also marked the general building statement #4 as disagree as these buildings do not have thermal gaskets and fire bricks.

*Donald W. Leveille*

Donald W. Leveille

*2-21-89*

Date





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

**Building Description**

Building Description

SEE ATTACHED



**Owosso Public School District  
Property Summary**

Facility Name Address	Age	Building Size #floors / S.F.	Site Acreage	Misc. Info.
1 ✓ Bentley Elementary School 1375 W. North Street Owosso, MI	1969	1 / 16,780	12.8	2 - Portable Classroom on site
2 ✓ Bryant Elementary School 925 Hampton Street Owosso, Michigan	1950 & 1957	1 / 56,876	23.0	1 - Portable Classroom on site
3 ✓ Central Elementary School 600 W. Oliver Street Owosso, Michigan	1950	2 / 43,170	3.7	
✓ Emerson Elementary School 515 E. Oliver Street Owosso, Michigan	1928 & 1957	2 / 49,930	2.9	1 - Portable Classroom on site
5 ✓ Roosevelt Early Elementary School 201 N. Brooks Street Owosso, Michigan	1924 & 1956	1 / 8,920	2.9	Partial basement
FD 6 ? Washington Elementary School 645 Alger Avenue Owosso, Michigan	1924 / 1934 & 1949	2 / 55,656	3.2	Basement and 1- Portable Classroom
171 Owosso Middle School 219 Water Street Owosso, Michigan	1928 / 1950 & 1973	3 / 121,900	4.5	
8 Owosso High School 765 E. North Street Owosso, Michigan	1961	1 / 253,900	85.0	
FD 511 Lincoln Alternative High School 120 Michigan Avenue Owosso, Michigan	1915	2 / 19,800	0.71	
9 Administration Building 1405 W. North Street Owosso, Michigan	1969	1 / 2,040	?	Basement
201F FDL Cedar Street Maint. / Warehouse 1310 Cedar Street Owosso, Michigan	1973	1 / 7,200	8.64	
FR Transportation Center / Bus Garage 630 Jerome Street Owosso, Michigan	1963	1 / 5,758	?	
FD Vehicle Repair / Warehouse 208 Cass Street Owosso, Michigan	Unknown	1 / 13,070	? 2.8	
7 No ✓ Willman Field 630 Jerome Avenue Owosso, Michigan	1930's	<del>655,000</del> 13100	5.44	Press Box and Restrooms



**Owosso Public School District  
Property Summary**

<b>Facility Name Address</b>	<b>Age</b>	<b>Building Size #floors / S.F.</b>	<b>Site Acreage</b>	<b>Misc. Info.</b>
Green Meadows Property & Fields 1997 N. M-52 Owosso, Michigan	?	?	?	
Waugh Road Property Kiwanis Acres Waugh Road Owosso, Michigan	-	?	Parcel #1 27.27 Parcel #2 22.96	
Delany Road Property 100 Blk. of N. Delany Rd. Owosso, Michigan	-	-	35.74	
Property Near High School	-	-	80 +/-?	



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Laboratory Information

1. Laboratory Name

VARIOUS LABS USED - SEE ATTACHED

2. Laboratory Address

Street

City

State

Zip

--	--	--	--

3. Analyst Name

Last

First

M.I.

SEE ATTACHED

SEE ATTACHED		
--------------	--	--

4. Analyst Signature

Date

--	--

5. Applicable Requirements Statement

LABORATORIES MEET THE REQUIREMENTS OF 763.87a





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Recommendations

1. Management Planner Name

Last

First

M.I.

TANNER

TIM

2. Management Planner Signature

Date

SEE ATTACHED

MAR 1988

3. State of Accreditation

MI

4. Accreditation Number

B1030

5. Recommendations

SEE ATTACHED



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Response Action and Preventive Measures

1. Location

SEE ATTACHED RECOMMENDATIONS

2. Methods

ABATEMENT MEASURES AND O&M PROCEDURES

3. Reasons

BECAUSE IT TAKES CARE OF THE PROBLEM

4. Schedule

AS INDICATED



Owosso Public School  
Letter of recommendation for ACM  
EMERSON ELEMENTARY SCHOOL

AREA # 1 BOILER ROOM & ORIGINAL BUILDING

- (X) ( ) X The original boiler has 92 sq ft of assumed ACM jacked with about 5 sq ft of friable edges on the front of the boiler. Our recommendation is to repair. The estimated costs \$ 200. If completed by your APM. To be accomplished by Aug, 31, 1988.
- (X) ( ) 2. There are 1,400 lin ft of Pipewrap, with ~~30 lin ft in the boiler room~~ all assumed ACM nonfriable. Our recommendation is O&M. (See ACM map for location)
- (X) ( ) 3. In the storage room there is 50 lin ft of pipe with air cell insulation. This pipe has metal wrap, with 5 open ends and 2 friable elbows. Our recommendation is to repair/rewrap. Estimated costs \$ 50 if done by your APM. To be accomplished by Aug 31, 1988.

AREA #2 1957 ADDITION

- (X) ( ) 4. We have 6,766 sq ft of Spray-on ceilings in the hallways and the media center which are ACM. There is no damage or vandalism. Our recommendation is O&M.
- (X) ( ) 5. The tunnel has 105 Elbow assumed ACM nonfriable, non-friable . O&M recommended.
- (X) ( ) 6. Under the kitchen area along the west wall there is assumed ACM debris. Our recommendation is to wet clean this area. If done by your APM the estimated costs is \$ 35. To be accomplished by Aug, 31, 1989.
- (/ ) ( ) 7. The floor tiles throughout the buildings, 22,220 sq.ft. (see floor tile map) that are assumed ACM are not to be damaged, drilled, sanded or ground in any way handled so as to disturb material or release fibers. O&M suggested.

ADDITIONAL COMMENTS PERTAINING TO OWOSSO PUBLIC SCHOOLS:

There may be ACM located behind barriers that we do not know about. It is our recommendation that your APM or the Designated Person be on hand when major demolition occurs. Also we suspect that there may be ACM within fire doors throughout your buildings. In the event of damage to any of the doors, contact the DP or APM.

Tim Tanner  
Tim Tanner

00852  
cert. #

5-4-88  
date

I, as the Designated Person, have read, checked the appropriate boxes, and responded accordingly as per your opening paragraph.

\_\_\_\_\_  
Donald W. Leveille

\_\_\_\_\_  
date



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Personnel Accreditation Statement

1. LEA Designated Person Name

Last

HOCK

First

DAN

M.I.

2. LEA Designated Person Signature

Date

3. Accreditation Statement

ALL PERSONS WHO PERFORMED INSPECTIONS; MANAGEMENT PLANS  
PERFORMED ABATEMENT ARE/WILL BE ACCREDITED IN ACCORDANCE WITH  
AHERA 763.93(e)(7)





LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Personnel Accreditation Statement

1. LEA Designated Person Name

Last	First	M.I.

2. LEA Designated Person Signature

Signature	Date

3. Accreditation Statement

ALL PERSONS WHO PERFORMED INSPECTIONS; MANAGEMENT PLANS PERFORMED ABATEMENT ARE/WILL BE ACCREDITED IN ACCORDANCE WITH AHERA 763.93(e)(7)



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Remaining Asbestos

Description

SEE ATTACHED



## Owosso Public Schools Damage Report (All types)

**Bentley:** Wear on 9"x9" VAT at desk in utility room #108. Replace worn tiles with non-ACM material promptly.

**Bryant:** ACM debris in crawlspace entry area from boiler room. Needs cleaning promptly.

**Central:** TSI in 2nd floor attic above hallway at north access. Small damaged area, immediately adjacent to access ladder, on air-cell. Repair needed promptly.

**Emerson:**

1. ACM debris on west end of boiler #1 -- ~ 5' above floor - boiler room. Needs cleaning promptly.
2. Room 103 damage to sprayed-on ACM ceiling SE corner above light. ~1" piece dangling, removal and encapsulation **urgently** necessary.
3. Two ~ one inch damaged spots on sprayed on ceiling-- North end of 1st floor hallway near room 100. Encapsulate damaged areas promptly.
4. Stain on sprayed on ceiling -- North end of 2nd floor hallway near room 200. Monitor that area of ceiling for further deterioration.

**Roosevelt:** Large area of sprayed on ceiling missing (~ 30 ft. sq.) at North end of main hallway. Broken, potentially crumbly edge needs encapsulation promptly.

### Owosso Middle School:

1. Band room 120 has 2 areas of damaged VAT-- West side of room. Replace damaged tiles with non-ACM material promptly.
2. East stage storage room has ACM contamination on water pipe near valve. Cleaning needed **urgently**.
3. Pump room in basement has damaged TSI (elbow) overhead and debris on floor -- SW corner. Floor must be cleaned and elbow repaired or abated promptly.
4. Elbow wrapping loosened overhead along South wall. Rewrap promptly
5. Damage to TSI on valve tagged "22" North end of storage tunnel. Repair promptly.

**Owosso High School:** Loose Tiles as follows: Replace with non-ACM material promptly.  
Band room -- ~ 3" south of podium  
Room 306 -- small cluster ~ 20' from SE corner toward center of room



small cluster ~ 15' from NW corner toward center of room

**Lincoln:** No ACM found

**Administration Building:** TSI good condition in Furnace room -- VAT good condition

**Cedar Street Warehouse:** ~ 20 Lf of TSI near restroom -- open ends and school equipment laying on top of. ABATEMENT NEEDED

**Bus garage:** No ACM

**Vehicle repair/warehouse:** No ACM

**Willman field:** No ACM





## Owosso Public School Miscellaneous Report

**Bentley:** 9" x 9" VAT plus Mastic 10,360 Ft. sq.  
Fire doors -- Yes

**Bryant:** 9" x 9" VAT plus Mastic 23,500 Ft. sq.  
Fire doors -- Yes

**Central:** 9" x 9" VAT plus Mastic 13,630 Ft. sq.  
Fire doors -- Yes

**Emerson:** 9" x 9" VAT plus Mastic 22,200 Ft. sq.  
Fire doors -- Yes

**Roosevelt:** 9" x 9" VAT plus Mastic 3,545 Ft. sq.  
Fire doors -- Yes

**Washington:** 9" x 9" VAT plus Mastic 15,720 Ft. sq.  
Fire doors -- Yes

**O.M.S.:** 9" x 9" VAT plus Mastic 21,000 Ft. sq.  
Fire doors -- Yes

**O.H.S.:** 9" x 9" VAT plus Mastic 85,000 Ft. sq.  
Fire doors -- Yes

**Lincoln:** Fire doors -- Yes

**Administration:** 9" x 9" VAT plus Mastic 150 Ft. sq.  
Fire doors -- Yes

**Cedar Street Warehouse:** Fire doors -- Yes

**Bus Garage:** Fire doors -- Yes

**Vehicle Repair:** Fire doors -- Yes



## Owosso Public School Surfacing Report

**Bentley:** No surfacing

**Bryant:** 1957 addition ~ 12,200 Ft. sq.

**Central:** No surfacing

**Emerson:** ~ 6800 Ft. sq.

**Roosevelt:** ~ 1500 Ft. sq. East - West hallway

**Washington:** No surfacing

**O.M.S.:** No surfacing

**O.H.S.:** No surfacing

**Lincoln:** No surfacing

**Administration Building:** No surfacing

**Cedar Street Warehouse:** No surfacing

**Bus Garage:** No surfacing

**Vehicle Repair:** No surfacing



## Owosso Public School TSI Report

**Bentley:** No TSI

**Bryant:** No TSI

**Central:** TSI above 2nd floor hallway in attic, damaged at north end  
TSI running vertically to 2nd floor in 1st floor chases, between hall and classrooms

Total -- 350 Lf. good condition Non-friable

**Emerson:** No TSI

**Roosevelt:** No TSI

**Washington:** No TSI

**Owosso Middle School:** TSI throughout building

Storage tunnel -- ~ 10 fittings

Pump room basement --

~ 30 fittings - 4 need repair and 1 damaged needing abatement

Tank insulation ~ 20 Ft. sq.

Storage room basement -- ~ 5 fittings

Gymnasium -- ~ 10 fittings

Attic -- 90 Lf. Air cell per 3/1/88 inspection.

Total -- 145 Lf. good condition Non-friable

**Owosso High School:** TSI throughout building

North Cafeteria Mech. room -- 7 fittings

South Cafeteria Mech. room -- 2 fittings

Storage SW of Cafeteria -- 5 Lf. on/in wall

Office restroom pipechase -- 1 fitting

400 wing Attic -- 1 roof drain (fitting)

400 wing Janitors closet -- 6 fittings

100 wing Attic -- ~ 2 fittings

100 wing Janitors closet -- ~ 4 fittings

200 wing Attic -- ~ 2 fittings

200 wing Janitors closet -- ~ 6 fittings

Auditorium stroage -- 1 fitting

Maintenance workshop -- 1 fitting

Total -- 38 Lf. good condition



**Lincoln:** No TSI

**Administration Building:** ~ 27 fittings in and around Furnace room

**Cedar Street Warehouse:** ~ 20 Lf. on pipe beside and above restroom

**Bus Garage:** No TSI

**Vehicle Repair:** No TSI

**Willman Field:** No TSI





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

### Future Activities

1. Surveillance and Reinspection Plan

OWOSSO PUBLIC SCHOOL WILL PERFORM THE PERIODIC INSPECTIONS EVERY SIX MONTHS AND 3 YEAR RE-INSPECTIONS EVERY 3 YEARS

2. Operation and Maintenance Activities Plan

OWOSSO PUBLIC SCHOOLS HAS DEVELOPED AN O&M PROGRAM AND RESPIRATORY PROTECTION PROGRAM - SEE ATTACHED



## Respiratory Program Protection

### Introduction

This written respiratory protection program has been established in accordance with the respiratory protection requirements of 29 CFR 1926.58 Asbestos Construction Standard including Appendix C. Copies of these regulations are available to all employees or interested persons.

During renovation activities on/or involving asbestos-containing materials, employees may be exposed to high concentrations of asbestos fibers for short periods of time. When an employee is exposed to concentrations of airborne toxic materials which are above the maximum standards established by OSHA, the law requires implementation of feasible engineering controls and/or administrative controls to reduce employee exposure. For the subject renovation activities, these controls may not be feasible as an alternative the employer must provide respiratory protection for all employees conducting renovation work on ACM. In addition to providing respiratory equipment, the employer has the responsibility of implementing a respiratory protection program, The following sections provide for the establishment of standard operating procedures for respiratory protection for employees.

### Designation of a Program Administrator

The program administrator in the LEA is the Designated Person

### SELECTION AND USE OF RESPIRATORY PROTECTIVE EQUIPMENT

Respirators used shall be selected from those approved by the Mine Safety and Health Administration (MSHA) and the National Institute for Occupational Safety and Health (NIOSH) for use in atmospheres containing asbestos fibers. A NIOSH approved respirator contains the following: an assigned identification number placed on each unit; additional information on the label which indicates limitations and identifies the component parts approved for used with the basic unit.

The approved respirator shall be worn for the existing working conditions specified as follows:

1. Air purifying respirators. A reusable air purifying respirator, or a power air purifying respirator shall be used to reduce the concentration of airborne asbestos fibers in the respirator below the 8-hour, TWA NIOSH recommended exposure limit of 0.1 fibers per cubic centimeters of air (fibers/cc), when the 8-hour, time-weighted average airborne concentrations of asbestos fibers are reasonably expected to exceed no more than the current OSHA 8-hour PEL of 0.2 fibers/cc.
2. Powered air purifying respirators. A full or half, facepiece powered-air purifying respirator shall be used to reduce the concentration of airborne asbestos fibers in the respirator below the 8-hour, TWA NIOSH-recommended exposure limit of 0.1 fibers/cc, when the 8-hour, TWA concentrations of asbestos fibers are reasonably expected to exceed no more than 10 times, the OSHA 8-hour PEL of 0.2 fibers/cc.



Respiratory Protection Program  
page 3

4. ~~Respiratory equipment shall be allowed to air dry on a clean surface or hung from a horizontal wire.~~

When not in use, respiratory equipment shall be sealed in plastic bags and stored in a single layer with the facepiece and exhalation valve in a non-distorted position. A metal cabinet with shelves is well suited for this purpose. Substitution of parts from a different brand or type of respirator will invalidate the approval of the respirator.

Inspection for defects in respiratory equipment must be done before and after each use and cleaning. The primary defects to look for in the inspection of component parts of the respirator and corrective actions where appropriate are itemized below:

1. Air purifying respirators (quarter-mask, half-mask and full face piece) - powered or negative pressure.
  - a. Rubber facepiece - check for:
    - excessive dirt (clean all dirt from facepiece)
    - cracks, tears, or holes (obtain new facepiece)
    - distortion (allow facepiece to "sit"-free from any constraints and see if distortion disappears; if not, obtain new facepiece)
    - cracked, scratched, or loose fitting lenses (contact respirator manufacturer to see if replacement is possible; otherwise obtain new facepiece).
  - b. Headstraps - check for:
    - breaks or tears (replace headstraps)
    - loss of elasticity (replace headstraps)
    - broken or malfunctioning buckles or attachments (obtain new buckles)
    - allow the facepiece to slip (replace headstrap)
  - c. Inhalation valve, exhalation valve - check for:
    - detergent residue, dust particles, or dirt on valve seat (clean residue with soap and water)
    - cracks, tears, or distortion in the valve material or valve seat (contact manufacturer for instructions)
    - missing or defective valve cover (obtain valve cover from manufacturer).
  - d. Filter element(s) - check for:
    - proper filter for the hazard
    - approval designation
    - missing or worn gaskets (contact supervisor for replacement)
    - cracks or dents in filter housing (replace filter)
    - missing or loose hose clamps (obtain new clamps).

EMPLOYEE TRAINING PROGRAM

Each employee designated to wear a respirator will be issued a copy of the Employee Respirator Manual. ~~Employee must be given adequate time~~ to read and understand the material. A training session with required employee attendance, will be conducted by the supervisor or other qualified personnel to insure that employees understand the limitations, use, and maintenance of respiratory equipment, and other important aspects of respiratory protection including the following:



APPENDIX A

RESPIRATORY PROTECTION TRAINING PROGRAM

Before signing, be sure you understand each of the following items.

1. Explanation of the ramification of misuse.
2. Why the particular respirator was selected.
3. Limitation of the selected respirator.
4. Putting on the respirator.
5. Wearing the respirator.
6. Maintenance of the respirator.
7. Recognizing and handling emergency situations.
8. Inspecting the respirator.
9. Use of air purifying respirator.
10. Use of air-supplied respiratory equipment.
11. Purpose of medical evaluation.
12. Proper fit-testing techniques.

I understand the use, care, and inspection of the respirator(s) I may use.

Signature

I have had the opportunity to wear and fit-test the respirator(s) I may use.

Signature

---





Lea Designated Person - Donald Leville

Our schools have adopted the following guidelines as drafted by our management planner, as normal operating procedures for our district. This O & M plan goes into effect on July 1, 1989.

The following elements, along with section 5 & 6 of the management plan make up the Owosso Public Schools O & M plan

1. Designation of responsibilities under AHERA
2. Training plans and activity
3. Protective procedures and equipment for employees
4. Appropriate responses to ACM in the building and activities that may affect ACM
5. Repair/rewrap/removal plan for ACM under small scale, short duration projects Appendix B
6. Emergency plans

Forms found in the following comments are found in section 5 of the management plan. Section 6 contains the AHERA law.

1. Designation of responsibilities under AHERA

It is important to know who will do what & when. The responsibilities listed on form 80C - Designated Person (DP) Form and found in Section 763.84 are given to the Designated Person. The DP may assign an Asbestos Program Manager for the district. This coordinator will help the Designated Person fulfill his responsibilities.

Asbestos Program Manager - Richard Langdon

This Program manager will:

Assign and instruct one person from each ACM containing building in:

- \* proper procedures regarding a fiber release (forms 91B & 91D)
- \* do's and don'ts regarding asbestos (Section 6 Appendix B)
- \* locations of ACM in the building

This assigned person will be called the Building ACM Director. Write the name & phone number of the building ACM director on your school specific building management plan cover and record it on the green page at the end of this plan.

It is the policy of this district that NO operations or activities that may disturb ACM or any operations that involve demolition of walls, ceilings or floor surfaces will occur without verbal notification to the Asbestos Program Manager.



Operations & Maintenance Plan for Owosso Public Schools

page 3

- a. Removal - using appropriate procedures
- b. Encapsulation - the application of a glue like material
- c. Enclosure - putting an air-tight barrier around the ACM. See Section 6 - Appendix B - Enclosure
- d. Preventative measures - see form 90A
- e. Operations & Maintenance - this includes:

- \* repair & rewrap of damaged ACM material
- \* cleaning under friable ACM materials (form 91E)
- \* maintenance of thermal insulation
- \* preventative measures
- \* disposal of ACM, ACM debris & contaminated materials

There are also a need for all custodial staff to understand that if there is a fiber release, potential fiber release or suspected fiber release that guidelines on form 91B - Fiber Release Episode Protocol and or 91D - Conducting Activities That Disturb Friable Asbestos Fibers must be followed. This is to be reviewed during a custodial staff meeting during the month of September.

**Friable Surfacing Material** - No activities are to be carried out that will touch or disturb friable ACM surfacing material such as ceiling spray-on or firespray except very minor DP directed O & M activities.

**Non-Friable ACM materials** - may be handled but not in such a way as to disturb fibers.

5. Repair/rewrap/removal plan for ACM under small scale, short duration projects Appendix B

Repair & rewrap of ACM Thermal insulation - This method of control is the simplest and most cost effective way of controlling ACM thermal insulation. Minor damage to pipewrap, elbows & joints, boiler & tank jacket wraps and other thermal ACM insulations can normally be rewrapped or repaired quite easily. This is only to be accomplished by 16 hour trained employees. This employee is to have already had hands-on training regarding these operations during the 16 hr. asbestos maintenance training.

**A. Rewrap/Repair:** The details for repair/rewrap usually accompany the materials to be used but normal procedures are as follows:

1. Obtain a bridging encapsulant & a light canvas or specialized wrapping tape.
2. Use proper protective clothing i.e. tyvek coveralls & HEPA equipped respirator.
3. Immerse the tape or strip of cloth in a 50/50 water to Bridging encapsulant mix or as per mfg. instructions.
4. Carefully apply the saturated cloth/tape to the damaged area. making sure that asbestos fibers are not released.
5. Smooth out the cloth/tape and allow to dry.

**Option:** If the repair area is small, just the application of the undiluted bridging encapsulant may be sufficient.

**B. Clean-up of Debris:** In the event that there is ACM debris the following are normal procedures:



**PARTIAL  
REPLICATION  
OF  
29 CFR 1926.58**

Part II

Department of Labor

Occupational Safety and Health  
Administration

29 CFR Parts 1910 and 1926

Occupational Exposure to Asbestos,  
Tremolite, Anthophyllite, and Actinolite:  
Final Rules

(m) Medical surveillance — (1) General — (i) Employees covered. The employer shall institute a medical surveillance program for all employees engaged in work involving levels of asbestos, tremolite, anthophyllite, actinolite or a combination of these minerals, at or above the action level for 30 or more days per year, or who are required by this section to wear negative pressure respirators.

(ii) Examination by a physician. (A) The employer shall ensure that all medical examinations and procedures are performed by or under the supervision of a licensed physician, and are provided at no cost to the employee and at a reasonable time and place.

(B) Persons other than such licensed physicians who administer the pulmonary function testing required by this section shall complete a training course in spirometry sponsored by an appropriate academic or professional institution.

(2) Medical examinations and consultations — (i) Frequency. The employer shall make available medical examinations and consultations to each employee covered under paragraph (m)(1)(i) of this section on the following schedules:

(A) Prior to assignment of the employee to an area where negative pressure respirators are worn;

(B) When the employee is assigned to an area where exposure to asbestos, tremolite, anthophyllite, actinolite, or a combination of these minerals may be at or above the action level for 30 or more days per year, a medical examination must be given within 10 working days following the thirtieth day of exposure;

(C) And at least annually thereafter.

(D) If the examining physician determines that any of the examinations should be provided more frequently than specified, the employer shall provide such examinations to affected employees at the frequencies specified by the physician.

(E) Exception: No medical examination is required of any employee if adequate records show that the employee has been examined in accordance with this paragraph within the past 1-year period.

(ii) Content. Medical examinations made available pursuant to paragraphs (m)(2)(i)(A)-(m)(2)(i)(C) of this section shall include:

(A) A medical and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems.



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

WOSSO PUBLIC SCHOOLS

SB#

ALL

**Future Activities  
(continued)**

3. Additional Cleaning Recommendation

SEE ATTACHED

4. LEA response to Additional Cleaning Recommendation

SEE ATTACHED





MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Resource Evaluations

Resource Evaluation For:

1. Successful Response Action Completion
2. Reinspection Implementation
3. Operations and Maintenance Activities
4. Periodic Surveillance and Training Implementation

1. ~\$250- 300,000
2. ~\$1,500/ 3 YEAR RE-INSPECTION
3. ~\$2,000/YEAR
4. ~\$750/YEAR



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Consultant Accreditation Statement

1. LEA Designated Person Name

Last	First	M.I.
HOCK	DAN	

2. LEA Designated Person Signature

Date

--	--

3. Accreditation Statement

ALL CONSULTANTS WHO PARTICIPATED IN THE  
INSPECTION/MANAGEMENT PLAN ARE ACCREDITED  
BY THE STATE OF MICHIGAN AS REQUIRED BY AHERA



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Consultant Accreditation Statement

1. LEA Designated Person Name

Last

First

M.I.

--	--	--

2. LEA Designated Person Signature

Date

--	--

3. Accreditation Statement

ALL CONSULTANTS WHO PARTICIPATED IN THE  
INSPECTION/MANAGEMENT PLAN ARE ACCREDITED  
BY THE STATE OF MICHIGAN AS REQUIRED BY AHERA



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### LEA Responsibility Certification

1. LEA Designated Person

Last

HOCK

First

DAN

M.I.

2. LEA Designated Person Signature

Date

3. Responsibility Statement

THE GENERAL LEA RESPONSIBILITIES UNDER AHERA 763.84 HAVE BEEN  
OR WILL BE MET





LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### LEA Responsibility Certification

1. LEA Designated Person

Last

First

M.I.

--	--	--

2. LEA Designated Person Signature

Date

--	--

3. Responsibility Statement

THE GENERAL LEA RESPONSIBILITIES UNDER AHERA 763.84 HAVE BEEN  
OR WILL BE MET



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Description of Preventive Measures and Response Actions

1. Location

VARIOUS LOCATIONS IN SCHOOLS - SEE ATTACHED

2. Methods

ABATEMENT AND O&M PROCEDURES WILL BE UTILIZED

3. Reasons

BECAUSE IT SOLVES THE PROBLEM?

4. Schedule

SUMMER 2014

5. Name and Location of Storage or Disposal Site of the ACM

VENICE LANDFILL



## Owosso Public Schools Damage Report (All types)

**Bentley:** Wear on 9"x9" VAT at desk in utility room #108. Replace worn tiles with non-ACM material promptly.

**Bryant:** ACM debris in crawlspace entry area from boiler room. Needs cleaning promptly.

**Central:** TSI in 2nd floor attic above hallway at north access. Small damaged area, immediately adjacent to access ladder, on air-cell. Repair needed promptly.

**Emerson:**

1. ACM debris on west end of boiler #1 -- ~ 5' above floor - boiler room. Needs cleaning promptly.
2. Room 103 damage to sprayed-on ACM ceiling SE corner above light. ~1" piece dangling, removal and encapsulation **urgently** necessary.
3. Two ~ one inch damaged spots on sprayed on ceiling-- North end of 1st floor hallway near room 100. Encapsulate damaged areas promptly.
4. Stain on sprayed on ceiling -- North end of 2nd floor hallway near room 200. Monitor that area of ceiling for further deterioration.

**Roosevelt:** Large area of sprayed on ceiling missing (~ 30 ft. sq.) at North end of main hallway. Broken, potentially crumbly edge needs encapsulation promptly.

### **Owosso Middle School:**

1. Band room 120 has 2 areas of damaged VAT-- West side of room. Replace damaged tiles with non-ACM material promptly.
2. East stage storage room has ACM contamination on water pipe near valve. Cleaning needed **urgently**.
3. Pump room in basement has damaged TSI (elbow) overhead and debris on floor -- SW corner. Floor must be cleaned and elbow repaired or abated promptly.
4. Elbow wrapping loosened overhead along South wall. Rewrap promptly
5. Damage to TSI on valve tagged "22" North end of storage tunnel. Repair promptly.

**Owosso High School:** Loose Tiles as follows: Replace with non-ACM material promptly.  
Band room -- ~ 3" south of podium  
Room 306 -- small cluster ~ 20' from SE corner toward center of room



small cluster ~ 15' from NW corner toward center of room

**Lincoln:** No ACM found

**Administration Building:** TSI good condition in Furnace room -- VAT good condition

**Cedar Street Warehouse:** ~ 20 Lf of TSI near restroom -- open ends and school equipment laying on top of. ABATEMENT NEEDED

**Bus garage:** No ACM

**Vehicle repair/warehouse:** No ACM

**Willman field:** No ACM





LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Description of Preventive Measures and Response Actions (continued)

1. Name of Contractor involved

Last

First

M.I.

TO BE DETERMINED

2. State of Accreditation

MI

3. Accreditation Number

1. Name of Contractor Involved

Last

First

M.I.

2. State of Accreditation

3. Accreditation Number



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Response Action Clearance Monitoring

1. Name of Person Collecting Air Sample

Last

First

M.I.

TO BE DETERMINED

2. Air Sampler's Signature

[Empty signature box]

3. Locations Where Air Samples Were Collected

WHERE ABATEMENT/O&M PROCEDURES ARE PERFORMED

4. Date Air Samples Collected

TO BE DETERMINED

5. Name and Address of Laboratory Analyzing Samples

ANY AIR SAMPLING SENT TO A LAB WILL REQUIRE THE LAB TO BE NLAP ACCREDITED

6. Date of Analysis

[Empty date box]



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### In-House O & M Training

1. Person's Name and Job Title

SEE ATTACHED COPIES OF TRAINING PROVIDED

2. Date of Training

VARIOUS

3. Location of Training

OWOSSO PUBLIC SCHOOLS AND  
TRAINING PROVIDERS

4. Number of Hours of Training Provided

2HR; 8HR; 16HR; 40 HR

In House Operations and Maintenance (O & M) Training Form F-3



CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Periodic Surveillance

1. Name of Person Performing Surveillance

Last

First

M.I.

SEE ATTACHED

2. Date of Surveillance

VARIOUS

3. Description of Changes in the Condition of the Materials

SEE ATTACHED PERIODIC INSPECTIONS

Periodic Surveillance Forms F-4





# Asbestos Environmental Consulting and Training of Michigan

13792 Sharon Rd.  
Chesaning, MI 48616-0095  
989-845-6204  
989-845-6207 Fax  
313-530-7994 Mobile  
KL.Fesler@centurytel.net

Mr. Dan Hock, Director of Operations  
Owosso Public Schools  
1405 W. North St.  
Owosso, MI 48867

October 20, 2004

**RE: 6 - Month Asbestos Building Inspection of Owosso Public Schools, Owosso, MI.  
AECTM Project Number: 4029 - B**

Dear Mr. Hock:

In accordance with your request, Asbestos Environmental Consulting and Training of Michigan (AEC) performed an asbestos inspection at the above referenced location on October 19, 2004. The purpose of this inspection was to reinspect your facilities for the condition of asbestos containing materials in accordance with the EPA mandated Asbestos Hazard Emergency Response Act of 1986 (AHERA).

AEC inspected the following buildings:

Administration  
Warehouse  
Roosevelt Elementary  
Bryant Elementary  
Emerson Elementary  
Bentley Elementary  
Central Elementary  
Lincoln Elementary  
Washington Elementary  
Owosso Junior High School  
Owosso High School

The findings are detailed on a building by building basis.

Administration Building: Asbestos containing materials were observed to be in good condition.

Warehouse: Asbestos containing materials were observed to be in good condition.

Roosevelt Elementary: Asbestos containing materials were observed to be in good condition.

Bryant Elementary: Damage observed to asbestos ceiling where new windows were installed in



all classrooms and teachers lounge in the 400 wing of the building. There appears to be water damage to the ceiling in the teachers lounge. AEC recommends continue O and M monitoring for further deterioration.

Emerson Elementary: The boiler has gasket and asbestos insulation exposed due to tear down and repair. These materials should be handled through your O and M program. Room 206 and 207 have badly worn floor tile. Both rooms have asbestos ceilings which should be monitored closely for damage and be repaired as soon as damage occurs.

Bentley Elementary: Repair activities to loose floor tiles in rooms 137, 136, and the gym have been completed. The boiler room has been renovated and all asbestos materials have been removed. No other changes were noted.

Central Elementary: Damaged pipe joints observed above the ceiling in the hallway in front of Mrs. Cox's room need to be sealed. Damage to pipes on air handler on stage have been repaired. The East stage storage room has been rearranged and equipment is no longer leaning on asbestos pipes. Floor tiles are loose in the janitors closet (213). These tiles should be removed.

Lincoln Elementary: Asbestos containing materials were observed to be in good condition.

Washington Elementary: Asbestos containing materials were observed to be in good condition.

Owosso Junior High School: Joints were observed to be damaged in the basement fan room. These should be repaired. Broken and crumbling floor tile was observed at the doorway into the kitchen store room. This material should be removed. The door to room 305 was observed to have been replaced.

Owosso High School: Loose and broken floor tiles were observed to have been repaired in the following rooms: 408, 406, 404, 220, 100, 112, 105, 106, 113, 107, 202, 207, 209, 210, 214, Choir Room. There were loose tiles observed in the entry to the boiler room. These tiles should be removed and replaced. Pipe insulation in the tunnels was observed to be in good condition.

The buildings were inspected by Kevin L. Fesler. His Building Inspectors Certificate No. Is A12503. The expiration date is 3/14/05.

Your operations and maintenance program should be continued.

If you have any questions or comments please do not hesitate to contact us.



Respectfully Submitted,  
**Asbestos Environmental Consulting and Training of Michigan**

A handwritten signature in black ink, appearing to read "Kevin L. Fesler". The signature is written in a cursive, flowing style.

Kevin L. Fesler, President  
4029-B



# Asbestos Environmental Consulting and Training of Michigan

13792 Sharon Rd.  
Chesaning, MI 48616-0095  
989-845-6204  
989-845-6207 Fax  
313-530-7994 Mobile  
KLFesler@centurytel.net

Mr. Dan Hock, Director of Operations  
Owosso Public Schools  
1405 W. North St.  
Owosso, MI 48867

March 31, 2004

**RE: 6 - Month Asbestos Building Inspection of Owosso Public Schools, Owosso, MI.  
AECTM Project Number: 4029 - A**

Dear Mr. Hock:

In accordance with your request, Asbestos Environmental Consulting and Training of Michigan (AEC) performed an asbestos inspection at the above referenced location on March 25, 2004. The purpose of this inspection was to reinspect your facilities for the condition of asbestos containing materials in accordance with the EPA mandated Asbestos Hazard Emergency Response Act of 1986 (AHERA).

AEC inspected the following buildings:

Administration  
Warehouse  
Roosevelt Elementary  
Bryant Elementary  
Emerson Elementary  
Bentley Elementary  
Central Elementary  
Lincoln Elementary  
Washington Elementary  
Owosso Junior High School  
Owosso High School

The findings are detailed on a building by building basis.

Administration Building: Asbestos containing materials were observed to be in good condition.

Warehouse: Asbestos containing materials were observed to be in good condition.

Roosevelt Elementary: Asbestos containing materials were observed to be in good condition.

Bryant Elementary: Damage observed to asbestos ceiling where new windows were installed in





all classrooms and teachers lounge. AEC recommends continue O and M repair and monitoring for further deterioration.

Emerson Elementary: The boiler has gasket and asbestos insulation exposed due to tear down and repair. These materials should be handled through your O and M program. Room 206 and 207 have badly worn floor tile. Room 207 had wet spots in the asbestos ceiling. These areas should be monitored closely for further damage and be repaired as soon as damage occurs.

Bentley Elementary: Loose and worn floor tiles observed in rooms 137, 136, and the gym. Loose tiles should be removed and replaced. Worn tile should be monitored.

Central Elementary: Damaged pipe joints observed above the ceiling in the hallway in front of Mrs. Cox's room, on air handler on stage. These pipes should be repaired. In the stage E. Storage room there is equipment leaning on asbestos pipes. The equipment should be moved and the pipe repaired if it is damaged. Floor tiles are loose in the janitors closet (213). These tiles should be removed. There were many patched areas of floor tile observed in this building. Loose tiles should be removed and repaired as outlined in the O & M procedures.

Lincoln Elementary: Asbestos containing materials were observed to be in good condition.

Washington Elementary: Asbestos containing materials were observed to be in good condition.

Owosso Junior High School: Joints were observed to be damaged in the basement fan room. These should be repaired. Broken and crumbling floor tile was observed at the doorway into the kitchen store room. This material should be removed. Broken floor tile was also observed in room 22. This material should be removed and replaced. The door to room 305 was observed to be broken open exposing the asbestos fireproofing inside. This door should be replaced.

Owosso High School: Loose and broken floor tiles were observed in the following rooms 408, 406, 404, 220, 100, 112, 105, 106, 113, 107, 202, 207, 209, 210, 214, Choir Room, Home Ec Room. There were anywhere from 1 - 6 tiles observed loose in each of these rooms. These tiles should be removed and replaced.

The buildings were inspected by Kevin L. Fesler. His Building Inspectors Certificate No. Is A12503. The expiration date is 3/14/05.

Your operations and maintenance program should be continued.



If you have any questions or comments please do not hesitate to contact us.

Respectfully Submitted,  
**Asbestos Environmental Consulting and Training of Michigan**

A handwritten signature in black ink, appearing to read "Kevin L. Fesler". The signature is written in a cursive style with a long horizontal flourish at the end.

Kevin L. Fesler, President  
4029-A



## Periodic Surveillance Data Sheet

Form 92D

Name of Inspector David Lee Phelps

Date(s) that the inspection was conducted January 8, 1998

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

Bldg. Name/Location	No Changes	Min. Changes	Major Changes	Comments
<b>Emerson</b>				
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows		X		West end gym above storage are on stage - one connection needs wrapped Storage room east side of gym on stage-pipe needs repair
1957 Addition Ceilings Hallways Tunnel-elbows Media Center				Basement storage room east side - pipe needs repair Room 204 in closet-pipe joint needs repair
Ceilings				Outside rm 201 gouges in ceiling needs repair
Walls				
Floors				

David L. Phelps  
Signature of Inspector

1/9/98  
Date

Due date of the next inspection: June 26, 1998



## Periodic Surveillance Data Sheet

Form 92D

Name of Inspector David Phelps

Date(s) that the inspection was conducted September 19, 1996

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

Bldg. Name/Location	No Changes	Min. Changes	Major Changes	Comments
<b>Emerson</b>				
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows				Storage room eastside of gym on stage, pipe needs repair Basement storage east side, pipe needs repair North end under library, pipe end needs repair Room 204 in closet, pipe joint needs repair.
1957 Addition Ceilings Hallways Tunnel-elbows Media Center				
Ceilings				
Walls				
Floors				

David Lee Phelps  
Signature of Inspector

10/15/96  
Date

Due date of the next inspection: December 26, 1996





PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted 12-21-95

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations	Changes:	Comments:
Building name:	No Min Maj	

Emerson

Pipewrap			
Coal Bin/Storage Room			
Air cell 5 open ends			
2 elbows			

1957 Addition			
Ceilings			
Hallways			
Tunnel-Elbows			
Media Center			
Walls			
Floors			
Ceilings			

Thomas R. Leveille  
Signature of inspector

12-21-95  
Date

Due date of the next inspection: \_\_\_\_\_



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille / Tom Lennox

Position with the LEA Designated Person

Date(s) that the inspection was conducted 8-2-95

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations	Changes:	Comments:
Building name:	No Min Maj	

Building name:	No	Min	Maj
<u>Emerson</u>			
Pipewrap			
Coal Bin/Storage Room	✓		
Air cell 5 open ends			
2 elbows			
1957 Addition			
Ceilings	✓		
Hallways	✓		
Tunnel-Elbows	✓		
Media Center	✓		
Walls	✓		
Floors	✓		
Ceilings	✓		

*Thomas Lennox*

Signature of inspector

8-2-95

Date

Due date of the next inspection: December 26, 1995



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille or Tom Lennox

Position with the LEA Designated Person

Date(s) that the inspection was conducted December 15, 1994

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:

Building name:      No Min Maj

Building name:	No	Min	Maj	Comments:
<u>Emerson</u>				
Pipewrap				
Coal Bin/Storage Room				
Air cell 5 open ends	✓			
2 elbows	✓			
1957 Addition				
Ceilings	✓			
Hallways	✓			
Tunnel-Elbows	✓			
Media Center	✓			
Walls				
Floors				
Ceilings				

*Thomas Lennox*

Signature of inspector

12-15-94  
Date

Due date of the next inspection: June 26, 1995



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Thomas Lennox

Position with the LEA Asbestos Supervisor/Maintenance

Date(s) that the inspection was conducted March 3, 1994

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations            Changes:            Comments:  
Building name:            No Min Maj

Building name:	No	Min	Maj	Comments:
<u>Emerson</u>				
Pipewrap	X			
Coal Bin/Storage Room	X			
Air cell 5 open ends	X			
2 elbows	X			
1957 Addition				
Ceilings	X			
Hallways	X			
Tunnel-Elbows	X			
Media Center	X			
Walls	X			
Floors	X			
Ceilings	X			

*Thomas Lennox*

Signature of inspector

3-9-94

Date

Due date of the next inspection: June 26, 1994





PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted June 15, 1994

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations	Changes:	Comments:
Building name:	No Min Maj	

Building name:	Changes:	Comments:
<u>Emerson</u>		
Pipewrap		
Coal Bin/Storage Room		
Air cell 5 open ends	OK	
2 elbows	OK	
1957 Addition		
Ceilings	✓	
Hallways	✓	
Tunnel-Elbows	OK	
Media Center	✓	
Walls	✓	
Floors	✓	
Ceilings	✓	

Don Leveille 6-15-94  
 Signature of inspector Date

Due date of the next inspection: December 26, 1994



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted October 7, 1993

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Building name:	Changes:	No	Min	Maj	Comments:
<u>Emerson</u>					
Pipewrap	X				
Coal Bin/Storage Room					
Air cell 5 open ends	X				
2 elbows	X				
1957 Addition					
Ceilings	X				
Hallways	X				
Tunnel-Elbows	X				
Media Center	X				
Walls	X				
Floors	X				
Ceilings	X				

Donald W. Leveille  
Signature of inspector

10-21-93  
Date

Due date of the next inspection: December 26, 1993



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille

Position with the LEA Designated Person

Date(s) that the inspection was conducted January 19, 1993

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Emerson

Pipewrap      X  
Coal Bin/Storage Room      X  
Air cell 5 open ends      X  
2 elbows      X

1957 Addition  
Ceilings      X  
Hallways      X  
Tunnel-Elbows      X  
Media Center      X

Walls      X  
Floors      X  
Ceilings      X

Basement storage across from  
B-10 - repair where pipes  
lay on blue pipe carrier.

*Donald W. Leveille*

Signature of inspector

1-19-93

Date

Due date of the next inspection: June 26, 1993



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Léveillé

Position with the LEA Designated Person

Date(s) that the inspection was conducted 11-3-92

Inspection late due to Bryant School fire.

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Emerson

Pipewrap  
Coal Bin/Storage Room  
  Air cell 5 open ends  
  2 elbows

X  
X  
X  
X

1957 Addition  
  Ceilings  
  Hallways  
  Tunnel-Elbows  
  Media Center

X  
X

X

Pipe wrap in behind condensation pump room needs repair  
Locker room stage S. wall-end of pipe needs repair.

Walls  
Floors  
Ceilings

X  
X  
X

Storage next to girls restroom S. wall needs joint repair

*Donat W. Léveillé*

Signature of inspector

11-3-92

Date

Due date of the next inspection: 12-26-92





PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Dick Langdon/Tom Lennox

Position with the LEA Program Manager

Date(s) that the inspection was conducted 12/27/91

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Emerson

Pipewrap	X		
Coal Bin/Storage Room	X		
Air cell 5 open ends	X		
2 elbows	X		
1957 Addition			north tunnel repair
Ceilings	X		need a joint under classroom 100
Hallways	X		
Tunnel-Elbows	X		
Media Center			
Walls			
Floors	X		
Ceilings	X		
	X		

*Dick Langdon*  
Signature of inspector      1/7/92  
Date

Due date of the next inspection: June 26, 1992



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Richard Langdon

Position with the LEA Program Director

Date(s) that the inspection was conducted June 28, 1991

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations Building name: Changes: No Min Maj Comments:

Emerson

Storage Room X OK

Pipe-air cell 5 open ends and 2 friable elbows X OK

Ceilings

Hallways X OK

Media Center X OK

Tunnel X OK

Elbows

Rooms 102, 104, 105, 108, 109, 110, 111, 202, 203, 204, 205, 208, 209, 210, 211 vinyl asbestos tile removed.

These same rooms all risers in rooms have been encapsulated

 Signature of inspector Richard Langdon Date 7/15/91

Due date of the next inspection: December 26, 1991



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Richard Langdon

Position with the LEA Program Director

Date(s) that the inspection was conducted January 3, 1991

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Emerson

Building name:	No	Min	Maj	Comments:
Storage Room				
Pipe-air cell 5 open	X			OK
ends and 2 friable				
elbows	X			OK
Ceilings				
Hallways	X			OK
Media Center	X			OK
Tunnel				
Elbows	X			OK

Waterlines under kitchen -  
need some repair work

Richard T. Langdon  
Signature of inspector

1/4/91  
Date

Due date of the next inspection: June 26, 1991



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Richard Langdon

Position with the LEA Program Director

Date(s) that the inspection was conducted June 20, 1990

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Emerson

Storage Room

Pipe-air cell 5 open	X			
ends and 2 friable	X			
elbows	X			

Ceilings

Hallways	X			
Media Center	X			

Tunnel

Elbows	X			
--------	---	--	--	--

Richard F. Langdon  
Signature of inspector

8/17/90  
Date

Due date of the next inspection: December 26, 1990





PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille and Richard Langdon

Position with the LEA Designated Person and Program Manager

Date(s) that the inspection was conducted September 14, 1989

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations  
Building name:

Changes:  
No Min Maj

Comments:

Emerson

Storage Room  
Pipe-air cell 5 open  
ends and 2 friable  
elbows  
Ceilings  
Hallways  
Media Center

✓				
✓				

Repaired  
3/4" water line above Kiln-end  
needs repair.

Repainted August 1989

Tunnel Area behind electrical room  
Hole in patch by square plug.

Boys Locker Room - East Storage  
End of 6" air cell needs repair  
where it goes through the wall into  
tunnel.

Asbestos laying in tunnel on N.  
side of building by N. entrance.

*Richard F. Langdon*  
*Donald W. Leveille*

Signature of inspector

*9-14-89*

*9-14-89*

Date

Due date of the next inspection: December 26, 1989



PERIODIC SURVEILLANCE DATA SHEET

Name of inspector Don Leveille and Richard Langdon

Position with the LEA Designated Person and Program Manager

Date(s) that the inspection was conducted December 27, 1989

It is the inspector's responsibility to visually inspect and assess all changes, and record the present status of all ACBM or assumed ACBM that is located in the LEA's buildings, as indicated in the management plan.

List ACBM locations      Changes:      Comments:  
Building name:      No Min Maj

Emerson

Storage Room  
Pipe-air cell 5 open  
ends and 2 friable  
elbows

✓

Ceilings  
Hallways  
Media Center

✓

Repainted August 1989

Tunnel  
Elbows

✓

Storage room below air handling  
unit on stage-raw end on pipe near  
floor.

Stage air handling unit-open end  
where pipe goes into unit and into  
floor.

*Richard F. Langdon*  
*Donald W. Leveille*

Signature of inspector

12/27/89  
12/27/89

Date

Due date of the next inspection: June 26, 1990



SIX MONTH SURVEILLANCE  
December 1988

12-29-88 Dick Langdon and Don Leveille reinspected Emerson School for Asbestos. Recommendations to follow:

(Use proper protective clothing, materials, respirator, and HEPA vacuum for clean-up.) **16 Hour Trained Employees**

Room 205 - pipe covered with asbestos-recommend remove lower three feet and reinsulate. (Glove Bag)

✓ <u>Bruce R. Wickert</u> Name	<u>7-6-89</u> Date
✓ <u>Dave Lee Phelps</u> Name	<u>7-6-89</u> Date

Chapter I Math - cover up pencil holes in pipe

Storage room (basement) - need to cover end of gray 6" pipe.

Electrical room under building (off parking lot entrance) repair several places on pipe.

Mr. Flannigan's office - fresh marks in ceiling - need to be sealed.

Signature of Workers

✓ Bruce R. Wickert  
✓ Dave Lee Phelps

Inspected By:

Donald W. Leveille  
Don Leveille

Dick Langdon  
Dick Langdon

Date of Completion

July 6, 1989

Please list and give location of any debris clean-up.



CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### O&M Activities

1. Name of Person Performing Activities

Last

First

M.I.

SEE ATTACHED

2. Start and Completion Dates

VARIOUS

3. Location and Description of O&M Activity

SEE ATTACHED

4. Name and Location of Storage or Disposal Site for ACM

ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL





CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM  
AHERA MANAGEMENT PLAN

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### O & M Cleaning

1. Name of Person Performing Cleaning

Last	First	M.I.
SEE ATTACHED		

2. Date of Cleaning

VARIOUS

3. Location and Description of Cleaning Methods

PROCEDURES MEET O&M REQUIREMENTS; OSHA REQUIREMENTS  
ISOLATE THE WORK AREA; WEAR PPE;  
WET CLEANING; HEPA VACUUMING;  
PROPER COLLECTION; AND DISPOSAL OF WASTE MATERIAL

Operations and Maintenance (O & M) Cleaning Form F-5



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 7/20/2006

(A) Competent Person Requirement

D.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Workers Training Requirements

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

4/14/06  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.

D.P.  
Initial

D.P.  
Initial

D.P.  
Initial



**JOB INFORMATION**

Job/Order Number:

# 8215

Date of Work Operation:

July 20<sup>th</sup>, 2006

Name of Work Site:

Emerson School Room 207

Description of work Operations:  
(include type and size of resilient floor covering material, removal methods used and time duration of removal activity)

Wet down 2-9x9" Adm Resilient Floor tile, popped with a putty knife and put into an impermeable bag and disposed of into the dumpster at the school. Afterwards vacuumed entire area with a Hepa Vacuum to pick up any residue. Replaced with 12"x12" tile cut down to 9"x9" to fit.

Names of Employees Involved in Work Operation

David Lee Phelps

Social Security Number Approx time 1.0

368-58-7974

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

Signature of Authorized Representative of Employer who has assigned Competent Person to this job.

David Lee Phelps

Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address Of Employer

July 20<sup>th</sup>, 2006  
Date



**Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices**

Date: July 11<sup>th</sup>, 2005

**(A) Competent Person Requirement**

D.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

D.P.  
Initial

**(B) Negative Exposure Assessment**

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Workers Training Requirements**

D.P.  
Initial

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

April 14<sup>th</sup> 2005  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P.  
Initial

Warning signs have been posted and area has been demarcated.





**Job Information**

Job/Order Number: \_\_\_\_\_

Date of work operation: July 11th 2005

Name of work site: Emerson School New Computer Rm

Address of work site: 515 East Oliver Street Owosso, Michigan 48867  
Room # 200

Description of work operation:  
(include type and size of resilient  
floor covering material removal  
methods used and time duration  
of removal activity)

In the new Computer Room upstairs using a 5" hole saw drilled a hole in the North wall / center of the classroom for new A/C units on the roof, using Fasical Green smeared shaving cream over the area and using a drill, drilled a 5" hole in the ceiling spraying down the area with water as dust catching material in bag. Hepa vacuumed out area and painted ceiling as hole 1.0' x 1.0'

Names of Employees Involved in Work Operation

David Lee Phelps

Social Security Number Area and printed on  
368-58-7974 as hole 1.0' x 1.0'

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

David Lee Phelps

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name Of Employer

1405 W. North St., Owosso, MI 48867  
Address

July 11th, 2005  
Date



Section 1: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in  
Removal of Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: August 12<sup>th</sup>, 2005

(A) Competent Person Requirement

D.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

D.P.  
Initial

(B) Negative Exposure Assessment

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

D.P.  
Initial

(C) Workers Training Requirements

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

Feb. 2<sup>nd</sup> 2005  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

D.P.  
Initial

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P.  
Initial

Warning signs have been posted and area has been demarcated.



**Job Information**

Job/Order Number:

# 6792

Date of work operation:

August 12<sup>th</sup>, 2005

Name of work site:

Emerson School 1<sup>st</sup> floor Computer Room

Address of work site:

515 East Oliver Street Owosso, Michigan 48867

Description of work operation:  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity)

With shaving cream and a holesaw drilled a 1" hole in ceiling for electrical conduit, with a tarp on the floor, I misted entire area with water then with shaving cream, fill the holesaw and drilled. Afterwards with a hopa vacuum, vac entire area of any residue and took material to O&S for waste disposal. Then I painted the raw edges to encapsulate. Also encapsulated other areas in ceiling that were disturbed by tech

Names of Employees Involved in Work Operation

Social Security Number 2.0 hrs.

David Lee Phelps

368-58-7974

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

*David Lee Phelps*

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools

Name Of Employer

1405 W. North St., Owosso, MI 48867

Address

August 12<sup>th</sup>, 2005

Date



Sect: 1 Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in  
Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: August 30<sup>th</sup>, 2005

(A) Competent Person Requirement

D.P.  
initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
initial

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Workers Training Requirements

D.P.  
initial

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

February 2<sup>nd</sup>, 2004  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.

D.P.  
initial





**Job Information**

Job/Order Number:

#6698

Date of work operation:

August 30<sup>th</sup>, 2005

Name of work site:

Emerson School Room 200 (New Computer Lab)

Address of work site:

525 East Oliver Street Owosso, Michigan

Description of work operation:  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity)

In Room 200 had to drill 4 holes in ACM ceiling to mount LCD unit. In doing so, with shaving cream sheared entire area, with a drill and a hepa vac with area covered in plastic to catch any falling debris. Drilled holes with vacuum on to suck the material up as I drilled. After the drilling was done, vacuumed entire area again then painted the raw edges w/ I drilled. Afterwards, mounted the LCD unit, picked up the plastic and vacuumed entire area with a hepa vacuum.

Names of Employees Involved in Work Operation

Social Security Number

David Lee Phelps

368-58-7974

2.5 hrs

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

*David Lee Phelps*  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*  
Signature of Competent Person

Owosso Public Schools  
Name Of Employer

1405 W. North St., Owosso, MI 48867  
Address

August 30<sup>th</sup>, 2005  
Date



**Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices**

Date: 2/4/05

**(A) Competent Person Requirement**

D.P.  
Initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

**(B) Negative Exposure Assessment**

D.P.  
Initial

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Workers Training Requirements**

D.P.  
Initial

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

December 3rd, 2004  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.

D.P.  
Initial



**Job Information**

Job/Order Number:

#5740

Date of work operation:

February 4th, 2005

Name of work site:

Emerson School "Boiler Room"

Address of work site:

515 East Oliver Street Owosso, Michigan 48867

Description of work operation:  
(include type and size of resilient  
floor covering material removal  
methods used and time duration  
of removal activity)

In the Boiler Room removed gasket material from front of doors of  
the old Green Johnson Boiler, using a Hopa vacuum cleaned entire area, then  
using a utility knife, soaked down gasket material with water. Carefully  
scraped off gasket material dropping into an impermeable bag. Then again  
the Hopa vacuum cleaned entire area again and bagged material to  
warehouse for later disposal. Time 3.5 hrs.

Names of Employees Involved in Work Operation

Social Security Number

David Lee Phelps

368-58-7974

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

*David Lee Phelps*

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools

Name Of Employer

1405 W. North St., Owosso, MI 48867

Address

February 4th, 2005

Date



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: January 24, 2005

(A) Competent Person Requirement

J.P.  
initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

J.P.  
initial

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

J.P.  
initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

J.P.  
initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

D.P.  
initial

(C) Workers Training Requirements

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

D.P.  
initial

David Lee Phelps  
Employee Name

December 2<sup>nd</sup>, 2004  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

J.P.  
initial

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P.  
initial

Warning signs have been posted and area has been demarcated.

D.P.  
initial





**Job Information**

Job/Order Number:

#5651

Date of work operation:

January 24<sup>th</sup>, 2005

Name of work site:

Emerson School

Address of work site:

515 East Oliver Street Owosso, Michigan 48867

Description of work operation:  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity)

Upstairs in Room 203 took 5 Bulk samples in ceiling to get a clearance of possible ACM. In doing so sprayed down area with water and using a core tee handle to get samples to be tested. Identifying each tube as to Area and location. After taking core sample mudded each hole with mud to seal hole, using a hepa vacuum cleaned entire area.

Names of Employees Involved in Work Operation

Social Security Number

David Lee Phelps

368-58-7974

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

*David Lee Phelps*

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools

Name Of Employer

1405 W. North St., Owosso, MI 48867

Address

January 24<sup>th</sup>, 2005

Date



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 2/28/04

(A) Competent Person Requirement

D.P.  
Initial

David Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

D.P.  
Initial

(B) Negative Exposure Assessment

Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OHSA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

D.P.  
Initial

(C) Workers Training Requirements

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

Edward Van State  
Employee Name

4-21-03  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

D.P.  
Initial

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P.  
Initial

Warning signs have been posted and area has been demarcated.



**Job Information**

Job/Order Number: 5924

Date of work operation: 2-28-04

Name of work site: Emerson School Room 207

Address of work site: 515 E. Oliver Owosso Mich.

Description of work operation: Removed 15 9x9 Asbestos Floor  
(include type and size of resilient Tiles wetted down and removed  
floor covering material removal 2 HRS  
methods used and time duration  
of removal activity)

Names of Employees Involved in Work Operation

Social Security Number

Edward Van Strate  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

369-84-6871  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

Dan Fick  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

Ken Phelps  
Signature of Competent Person

Owosso Public Schools  
Name Of Employer

1405 W. North St., Owosso, MI 48867  
Address

2-28-104  
Date



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 2-28-04

(A) Competent Person Requirement

D.P.  
Initial

David Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

D.P.  
Initial

(B) Negative Exposure Assessment  
Job site has been surveyed to confirm that the flooring materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

D.P.  
Initial

(C) Workers Training Requirements

D.P.  
Initial

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

Edward Uw State  
Employee Name

4-21-03  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

D.P.  
Initial

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.





**Job Information**

Job/Order Number: 5974

Date of work operation: 2-28-04

Name of work site: Emerson 206

Address of work site: 515 E. Oliver Street Owosso Mich

Description of work operation:  
(include type and size of resilient  
floor covering material removal  
methods used and time duration  
of removal activity) Removed 14 Asbestos 9x9 Tiles  
By wetting down 2 Hrs

Names of Employees Involved in Work Operation

Social Security Number

Edward Van State

369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

Don Fick  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

Paul Phelps  
Signature of Competent Person

Owosso Public Schools  
Name Of Employer

1405 W. North St., Owosso, MI 48867  
Address

2/28/04  
Date



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 7/25/03

(A) Competent Person Requirement

U.P.  
initial

David Lee Phelps has successfully completed the 12-hour competent person training course in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposures assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
initial

Job site has been surveyed to confirm that the flooring site materials is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see Pages 3 and 4).

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Workers Training Requirements

The Following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

April 28-30 2003  
Date Completed Training Course

Ed Van Strate  
Employee Name

4-21-03  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

Warning signs have been posted and area has been demarcated.



**Job Information**

Job/Order Number: # 2005

Date of work operation: July 25<sup>th</sup>, 2003

Name of work site: Emerson School <sup>Hallway</sup> Basement B10+B11

Address of work site: 515 East Oliver Street, Owosso, MI

Description of work operation: Removal of 1633-9" square Resilient floor tile. Soaked down the floor with water, and with a spud ppg. up the tile and put them in a Double impermeable bag and hauled them to the dumpster for disposal. After all was dried up went back with a hepa vac. and vacuumed the entire area to clean it up. Approx. time 7.5 hrs. and 1 hr. paper work.

Names of Employees Involved in Work Operation:  
David Lee Phelps  
Edward VanStrate

Social Security Number  
368-58-7974  
369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992 in its possession.

David Lee Phelps  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name Of Employer

1405 W. North St., Owosso, MI 48867  
Address

7/25/03  
Date



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: July 31<sup>st</sup>, 2001

J.P.  
Initial

(A) Competent Person Requirement

David L. Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

D.P.  
Initial  
the  
is

(B) Negative Exposure Assessment

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

J.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

D.P.  
Initial

(C) Worker Training Requirements

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

March 1<sup>st</sup>, 2001  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

D.P.  
Initial

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.A.





Job Information

Job/Order Number: # 4327

Date of work operation: July 31<sup>st</sup>, 2001

Name of work site: Emerson School - MAIN Office in vault

Address of work site: 515 EAST Oliver Street Owosso, Michigan

Description of work operation: Removal of 54- 9" sq. ACM Resilient Floor tile  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).  
Vacuumed entire area with Hepa Vacuum. Flooded floor with water and using a putty knife, popped up the tile and put into an impermeable bag and double bagged. After all was picked up vacuumed entire area again with the Hepa Vacuum. Took tile to warehouse for storage until taken to land fill for disposal, Time 1.5 hr.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

John Phelps  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

July 31<sup>st</sup>, 2001  
Date

(Local Reproduction Of This Form Authorized)



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: July 31st 2001

D.P.  
Initial

(A) Competent Person Requirement

David H. Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

D.P.  
Initial  
the  
is

(B) Negative Exposure Assessment

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

D.P.  
Initial

(C) Worker Training Requirements

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

March 1st, 2001  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

D.P.  
Initial

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

\_\_\_\_\_ has been demarcated



Job Information

b/Order Number: # 4327

Date of work operation: July 31st, 2001

Name of work site: Emerson School - Main office in Van It

Address of work site: 515 East Oliver Street Owosso, Michigan

Description of work operation: Removed approx. 35 sq. feet of sprayed on Asbestos on ceiling. Demarcated and sealed off area with poly and using proper procedure with lots of water, peeled off asbestos and put into bags keep everything wet. After it was off vacuumed ceiling, walls, and floors completely to get all residue that was there. Took down everything and hauled to warehouse for storage until taken to land for ~~storage~~ disposal.

6.0 hrs.  
Social Security Nos.

Names of Employees Involved in Work Operation:

David Phelps  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

368-58-7974  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

John Phelps  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

July 31st, 2001  
Date





**Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices**

Date: 4/2/2001  
4/3/2001

**(A) Competent Person Requirement**

D.P. David Phelps has successfully completed the 12-hour competent person training course  
Initial Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

**(B) Negative Exposure Assessment**

D.P. Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout the removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it is no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.)

D.P. Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P. The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P. This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P. The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P. If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Worker Training Requirements**

D.P. The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

March 1st 2001  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P. I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

D.P. Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

D.P. Warning signs have been posted and area has been demarcated





Information

#3952

Order Number:

Date of work operation:

4/2/2001 / 4/3/2001

Name of work site:

Emerson School Room 200

Address of work site:

515 East Oliver Street Owosso, Michigan 48867

Description of work operation:

(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removal of 1330-9" square Resilient floor tile, sprayed down entire area with water, then used a sand to pop up the tile and put into an impermeable bag and double bagged. Vacuumed entire area with a HEPA vacuum afterwards. Hauled the bags to the warehouse until taken to landfill for disposal. Replacing flooring with 12"x12"

Time take to Remove 4/2/2001 - 7.5 hrs.  
4/3/2001 - 8.0 hrs finished.

Names of Employees Involved in Work Operation:

David Phelps

Social Security Nos.

368-58-7974

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

*John Phelps*  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

4/2/2001 / 4/3/2001  
Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices

Date: 7/26/2000

**(A) Competent Person Requirement**

D.P. DAVID LEE PHELPS has successfully completed the 12-hour competent person training course

Initial Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

**(B) Negative Exposure Assessment**

D.P. Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it is no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.)

D.P. Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P. The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P. This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P. The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P. If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Worker Training Requirements**

D.P. The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

DAVID LEE PHELPS

Employee Name

Ed. VAN STRATE

Employee Name

JANUARY 20th 2000

Date Completed Training Course

JANUARY 20th 2000

Date Completed Training Course

Date Completed Training Course

Employee Name

D.P. I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

D.P. Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

DD ... and area has been demarcated



a Information

# 2742

b/Order Number:

Date of work operation:

July 26<sup>th</sup>, 2000

Name of work site:

Emerson School South end of stage Above landing

Address of work site:

515 East Oliver Street Owosso, Michigan 48867

Description of work operation:

(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removal of 1 elbow 4" and 1-4" coupling of friable asbestos and about 4 linear feet of air cell on line. Sliced area and soaked with water carefully removing putting into an impermeable bag and double bagged. Used Hepa vacuum to clean up area using all proper process as per the standards. Did work to repair roof area that was plugged with tar pitch, Ed & Dave 8.0 hrs ea.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

Ed VanStrate

369-84-6871

8.0 hrs total

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

*John Meyer*

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address

July 26<sup>th</sup>, 2000

Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 8/1/2000

D.P.  
Initial

(A) Competent Person Requirement

David Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

D.P.  
Initial  
the  
is

(B) Negative Exposure Assessment

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

D.P.  
Initial

(C) Worker Training Requirements

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps  
Employee Name

January 20th 2000  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

D.P.  
Initial

(D) Notification and Demarcation

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.





Information

Job/Order Number: # 2782  
Date of work operation: August 1st, 2000  
Name of work site: Emerson School Media Center "Alley"  
Address of work site: 515 East Oliver Street Owosso Mich 48867

Description of work operation: Removed 90-9" square ACM resilient floor tile with  
linoleum attached sprayed floor with water then scraped  
off tile then linoleum with spud. Pick up material and put  
into an impermeable bag and then double bagged. Hepa  
vacuum entire area with Hepa vacuum. Hauled to ware-  
house for storage till taken to landfill  
Dave 4.5 hrs.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps .

368-58-7974

Ed VanStrate

369-84-6871



This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

John Phelps  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Phelps  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

August 1st, 2000  
Date



Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 8/2/2000

(A) Competent Person Requirement

D.P.  
Initial

David Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial  
the  
is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TW/A and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps

Employee Name

Ed Van Strate

Employee Name

January 20th 2000

Date Completed Training Course

January 20th 2000

Date Completed Training Course

Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.



Job Information

#2782

b/Order Number:

Date of work operation: August 2nd, 2000

Name of work site: Emerson School Media Center "Small Room"

Address of work site: 515 EAST Oliver Street Owosso, Mich. 48867

Description of work operation: Removed 336 - 9" square ACM Resilient floor tile with  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).  
linocem attached. Sprayed floor with water and seraped off tile and then linocem with spin picked up material and put into an impermeable bag and double bagged. Hepa vacuum entire area with Hepa vacuum. Hauled to warehouse for storage till taken to land fill

PAVE 9 hours Ed 60 hrs.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

Ed VanStrate

369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

*John [Signature]*

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address

August 2nd, 2000

Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: August 3rd, 2000

(A) Competent Person Requirement

D.P.  
Initial

David Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial  
the  
is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps

Employee Name

Ed Van Strate

Employee Name

January 20th 2000

Date Completed Training Course

January 20th 2000

Date Completed Training Course

Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.





o Information

Order Number:

#2782

Date of work operation:

August 3rd, 2000

Name of work site:

Emerson School Media Center

Address of work site:

515 East Oliver Street Owosso, Mich. 48867

Description of work operation:

(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removed 1387-9" square ACM Resilient Floor tile with  
lincoem attached. Sprayed floor with water and scraped with  
A Spud. Tile first and lincoem second. Picked up material and  
put into an impermeable bag and ducts bagged. Heps  
vacuumed entire area with Heps vacuum. Hauled to  
warehouse for storage until taken to landfill

Ed & Dave 10. hrs ea.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

Ed VanStrate

369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

*John Lynch*

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*

Signature of Competent Person

Owosso Public Schools

Name of Employer

1405 W. North St. Owosso, MI 48867

Address

August 3rd, 2000

Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 8/4/2000

(A) Competent Person Requirement

DP  
Initial

David Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

DP  
Initial  
the is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

DP  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

DP  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

DP  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

DP  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

DP  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

DP  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Lee Phelps

Employee Name

Ed Van Strate

Employee Name

January 20th, 2000

Date Completed Training Course

January 20th, 2000

Date Completed Training Course

Date Completed Training Course

DP  
Initial

Employee Name

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

DP  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.

DP



Job Information

Order Number:

# 2782

Date of work operation:

August 4<sup>th</sup>, 2000

Name of work site:

Emerson School Media Center

Address of work site:

515 East Oliver Street Owosso, Mich 48866

Description of work operation:

(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removed 728-9" Square Adm Resilient floor tile with knee attached. Sprayed floor with water and scraped off tile and the linoleum with spud. Picked up material and put into an impervious bag and double bagged. Hepa vacuumed entire area with Hepa vac. Hauled to warehouse for storage until taken to landfill.

Ed - 5.0 hrs. Dave 7.0 hrs.

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps

368-58-7974

Ed VanStrate

369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

August 4<sup>th</sup>, 2000  
Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 8/19/2000

(A) Competent Person Requirement

D.P.  
Initial

David Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
Initial  
the  
is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Phelps  
Employee Name

January 19<sup>th</sup> 2000  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.  
\_\_\_\_\_  
and area has been demarcated





Information

# 2844

Order Number:

Date of work operation:

August 19<sup>th</sup>, 2000

Name of work site:

Emerson School New Computer Lab.

Address of work site:

515 East Oliver Street Owosso, Michigan 48867

Description of work operation:  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removal of 1372-9" square Resilient Floor tile.  
Sprayed down entire floor with water, then using a spud popped up the tile and put into an impermeable bag and then double bagged. Vacuumed the entire area with a Hepa vacuum afterward. Then hauled the bags to the warehouse & until taken to landfill. Replacing floor with carpet.

10.0 hrs Total

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps . 10 hrs. OT.

368-58-7974

[Redacted]

[Redacted]

[Redacted]

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

John Phelps  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

David Lee Phelps  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

August 19<sup>th</sup>, 2000  
Date





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 8/20/2000

**(A) Competent Person Requirement**

D.P.  
Initial

David Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

**(B) Negative Exposure Assessment**

D.P.  
Initial  
the  
is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
Initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
Initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
Initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
Initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
Initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

**(C) Worker Training Requirements**

D.P.  
Initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Phelps  
Employee Name

January 19th 2000  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

\_\_\_\_\_  
Employee Name

\_\_\_\_\_  
Date Completed Training Course

D.P.  
Initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

**(D) Notification and Demarcation**

D.P.  
Initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.



Job Information

# 2844

Order Number:

Date of work operation:

August 20<sup>th</sup>, 2000

Name of work site:

Emerson School Room 100

Address of work site:

515 East Oliver Street Owosso, Mich. 48867

Description of work operation:  
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removal of 966-9" Square Resilient Floor tile  
sprayed down entire floor with water, then using a spud, popped up the tile and put into an impermeable bag and then double bagged, vacuumed entire area with a Hepa vacuum afterwards then hauled the bags to the warehouse until taken to landfill. Replacing floor with carpet.  
12.0 hours total

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps . 12.0 hrs. O.T

368-58-7974

[Redacted]

[Redacted]

[Redacted]

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

*John Phelps*  
Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

*David Lee Phelps*  
Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

August 20<sup>th</sup>, 2000  
Date

(Local Reproduction Of This Form Authorized)





Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices

Date: 8/21/2000

(A) Competent Person Requirement

D.P.  
initial

David Phelps has successfully completed the 12-hour competent person training course

Employee Name  
in accordance with the provisions of the OSHA standard and is qualified to conduct the negative exposure assessment (NEA) and supervise the removal activities on this job. Competent person will conduct "on-site" NEA inspection prior to start of job and will be available during the removal operations to inspect the job site at employee request or as necessary as a result of changed conditions that may prevent completion of the work using the RWP.

(B) Negative Exposure Assessment

D.P.  
initial  
the  
is

Job site has been surveyed to confirm that the flooring material is intact, that the Recommended Work Practices can effectively be used to remove flooring on this job, and that the flooring is likely to remain intact throughout removal process. (Intact meaning that the flooring has not crumbled, been pulverized, or deteriorated so that it no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the recommended work practices does not mean that the material is not removed in an intact condition.

D.P.  
initial

Conditions of removal work to be completed on this job closely resemble the processes, type of material, control methods, work practices, and environmental conditions in the jobs outlined on page 5 of this brochure and further described in the Environ Report dated May 1, 1992.

D.P.  
initial

The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4).

D.P.  
initial

This form and RWP booklet will be readily available at the job site for inspection by OSHA officials.

D.P.  
initial

The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed.

D.P.  
initial

If workplace conditions on the job change during the removal of resilient floor covering, and do not resemble those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with the OSHA Asbestos Standard.

(C) Worker Training Requirements

D.P.  
initial

The following individuals who will be performing the resilient floor covering removal work have successfully completed an approved 8-hour training course covering asbestos subjects as well as training in the use of the Recommended Work Practices in accordance with the provisions of the OSHA standard.

David Phelps

Employee Name

Ed Van Strate

Employee Name

January 1995, 2000

Date Completed Training Course

January 1994, 2000

Date Completed Training Course

Date Completed Training Course

D.P.  
initial

I have reviewed the job records of the individuals listed above and confirm that those employees who have worked with ACM have done so at levels below the PEL and for less than 30 days this calendar year. If an employee has worked with ACM 30 or more days or at or above the PELs, I understand that the employee must have a medical examination before participating in this removal job and annually thereafter.

(D) Notification and Demarcation

D.P.  
initial

Before the start of this removal job the following individuals must be notified of the presence and location of ACM and of the planned removal activity: (1) employees performing the removal work, (2) employers of employees working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other impermeable barrier), and (3) the building owner.





Information

Order Number:

#2844

Date of work operation:

August 21<sup>st</sup>, 2000

Name of work site:

Emerson School Room 101

Address of work site:

515 East Oliver Street Owosso, Michigan 48867

Description of work operation:

(include type and size of resilient floor covering material removal methods used and time duration of removal activity).

Removal of 1344 9" square Resilient Floor tile  
sprayed down entire area with water, then using a spud, popped  
up the tile and put into an impermeable bag and then double  
bagged. Vacuumed entire area with Hepa Vacuum afterward  
then hauled the bags to the warehouse until take to the  
landfill, Replacing floor with carpet

18 hrs total

Names of Employees Involved in Work Operation:

Social Security Nos.

David Phelps . 8.0 hrs 2.0 hrs o.T,

368-58-7974

Ed VanStrate 8.0 hrs

369-84-6871

This completed form should be maintained by the employer in the employee personnel file for 30 years. The employer should have a copy of the Environ Report dated May 1, 1992, in its possession.

Signature of Authorized Representative of Employer Who Has Assigned Competent Person to this Job

Signature of Competent Person

Owosso Public Schools  
Name of Employer

1405 W. North St. Owosso, MI 48867  
Address

August 21<sup>st</sup>, 2000  
Date

(Local Reproduction Of This Form Authorized)





# RECORD KEEPING ACTIVITY SHEET

CHECK ONE ( ) Major Asbestos Activity under 763-91 (e)  
(X) O & M under 763-91 (d) "O & M disturbing friable ACBM."

According to 763-94 (F) and (G) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:

NAME: OWOSSO PUBLIC SCHOOLS

1405 W. NORTH ST.                      OWOSSO                      MI                      48867  
Address:                                      City                                      State                                      Zip Code

Accreditation or contractor license number: A16001  
State accredited in: Michigan

2. Names of each individual involved:

Signatures:

DAVID PHELPS

David Lee Phelps

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

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

(use other side if necessary)

3. Start and Completion Dates: **March 16, 1998**

4. Location of the Activity: **Emerson**

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action **Over**

6. If ACM was removed, give the name and/or location of storage or disposal site of the ACM. Maintenance Warehouse and Venice Park Development 9536 Lennon Rd. Lennon, MI 48449



RECORD KEEPING ACTIVITY SHEET

CHECK ONE ( ) Major Asbestos Activity under 763-91 (e)  
(X) O & M under 763-91 (d) "O & M disturbing friable ACBM."

According to 763-94 (F) and (G) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:

NAME: OWOSSO PUBLIC SCHOOLS

1405 W. NORTH ST.                      OWOSSO                      MI                      48867  
Address:                                      City                                      State                                      Zip Code

Accreditation or contractor license number: A16001

State accredited in: Michigan

2. Names of each individual involved:

Signatures:

DAVID PHELPS

David Lee Phelps

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

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

(use other side if necessary)

3. Start and Completion Dates: **March 3, 1998**

4. Location of the Activity: **Emerson**

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action **Over**

6. If ACM was removed, give the name and/or location of storage or disposal site of the ACM. Maintenance Warehouse and Venice Park Development 9536 Lennon Rd. Lennon, MI 48449



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
(X) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools Owosso, MI 48867

Address: City: State: Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved: signatures:

David Phelps

*David Lee Phelps*

(use other side if necessary)

3. Start & Completion dates:

**March 28, 1996**

4. Location of the activity:

**Emerson School**

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.

**on back**

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.

**Cedar Street Warehouse - to Venice Park**









2/6/95

- x South tunnel under front of School - Ok.
- x EAST tunnel under and around Gym and Library - Removed duct tape from elbows, end of lines, and joint connections and replaced with wheat paste and muslin.

2/7/95

- East tunnel under and around gym and library - Removed duct tape from elbows, end of lines, and joint connections, and replaced with wheat paste and muslin.

2/8/95

- x Finished east tunnel in the same manner.
- x Boys locker room and closets are O.K.

2/27/95

- x Storage room in Boys locker room (North end)  
Removed duct tape from 2 end of lines and 1 joint connection and replaced with wheat paste and muslin.
- x Air handling unit above stage (east side)  
Removed duct tape on elbows and end of lines replacing with wheat paste and muslin
- x East basement hallway - south storage room  
Removed duct tape from 2 end of lines replacing with wheat paste and muslin.



x East basement hallway - Girls Bathroom  
Removed duct tape from 2 open ends  
and replaced with wheat paste and  
muslin

3/28/96

In Room 101, I soaked an area about one  
foot square with water on the ceiling  
before cutting out and removing to have  
an access to a leaking return line.

After removing the Asbestos, then the  
sand plaster, and then the mess  
screen, I then put a pipe bandage on  
the  $\frac{3}{4}$  inch pipe to repair it, I then  
took the Hepa vac and cleaned the area  
of any loose ACM and sealed the edges  
with a paint spray bomb. After all  
was fixed, I then used proper procedure  
of the clean up with the Hepa vac,  
put all ACM contaminates in bags  
(doubled) and is in storage at the  
Cedar Street warehouse

3/3/98

x Across from B-10 in Storage Area,  
the big elbow just inside the door  
had 3 gonges which was repaired with  
wheat paste and muslin



- x Storage room eastside of gym on stage  
Repair pipe with wheat paste and muslin
- x West end of gym above storage area on stage  
Repaired 1 connection with wheat paste and muslin.

3/16/98

- x North end under library in tunnel (around ~~and~~ corner then about 15' down) Repaired pipe ends with wheat paste and muslin.
- x In boys locker room on south wall - Repaired 7 hangers and 1 tee with wheat paste and muslin.
- x Room 204 in Closet - Repaired pipe joint with wheat paste and muslin.
- x Basement Storage room (eastside) Repaired pipe with wheat paste and muslin (boys locker room)

7/26/2000

In Emerson school at the South-west end of stage above landing Removed 1-4" elbow and 1-4" coupling of friable asbestos and about 4 linear feet of air cell on line. Cut off 4" cast iron pipe and replaced with plastic. Used masking tape to seal off one end of air cell





8/31/2001

In main office in the vault, removed approx. 35 sq feet of sprayed on Asbestos on ceiling. Demarcated and sealed off area. with poly and using proper procedures. with lots of water, peeled off Asbestos and put into Bags keeping everything wet. After all was off, vacuumed ceiling, walls, and floor completely to get all residue that was there. Took down everything and hauled to warehouse for storage until taken to landfill for disposal 6.0 hrs.



# 2003

10/27/03 Emerson School media center & computer Room  
Installed LCD units in ceiling in computer Room and media Center. Wet down with water and using Barbasol (shaving cream) in PVC, drilled a  $7/8$ " hole (4 for each unit) holding the hepa vac hose by drill and drilled 8 holes. Put in toggle bolts in ceiling and installed units. After all was done, picked up plastic and put in disposable Asbestos bag. Then vacuumed entire area with a hepa vacuum 8 hrs. O.T.

# 2005

1/24/05 In Room 203 (Mrs. Allen's Room) collected 5 Bulk samples in ceiling for ACM clearance.

2/4/05 In Boiler Room removed gasket material from front of doors on the old Green Johnson boiler, using HePA vacuum, cleared entire area, then using a utility knife, soaked down gasket material with water. Carefully scraped off gasket material dropping into an impermeable bag, then again with the HePA vacuum cleared entire area and hauled material to warehouse for later disposal. 3.5 hrs

Rm 200

7/15/05 Upstairs in New computer Room using a 5" holesaw drilled a hole in the Northend/center of classroom for New A/C



units on the roof, using Rasical cream sheared shaving cream over the area and using a drill, drilled a 5" hole in the ceiling spraying down the area with water as I went catching material in bag, Hepa vacuumed entire area and painted edge of hole 1.0 hr.

8/12/05

In the 1st floor Computer Room with shaving cream and a hole saw, drilled a 1" hole in ceiling for electrical conduit with a tarp on the floor, I misted entire area with water then with shaving cream, filled the hole saw and drilled, Afterwards with a hepa vacuum, vac entire area of any residue and took material to O/S for later disposal, I then painted the raw edges to encapsulate. Also encapsulated other areas in ceiling that were disturbed by techies. 2.0 hrs

8/30/05

On Second floor Room 200 (New Computer lab) drilled 4 holes in ACM ceiling to mount LCD unit. In doing so with shaving cream, sheared entire area, with a drill and a Hepa vac, with area covered in plastic to catch any falling debris, Drilled holes with vacuum on to suck the material up as I drilled. After the drilling was done, vacuumed entire area again, then painted the raw edges where I drilled. Afterwards, mounted the LCD unit, picked up the plastic, and vacuumed entire area with a Hepa vacuum to pick up and residue 2.5 hrs



# Floor Tile

8/1/2000 Emerson School "Alley" Media Center  
Removed 90-9" square ACM Resilient floor  
tile with linoleum attached. Sprayed floor  
with water, then scraped off tile the  
linoleum with spud. Picked up material and  
put into an impermeable bag then double  
bagged. Hepa vacuumed the entire area  
with Hepa vacuum. Hauled to warehouse  
for storage till taken to landfill.

8/2/2000 Emerson School "Small Room" Media Center  
Removed 336-9" square ACM Resilient floor tile  
with linoleum attached. Sprayed floor with water  
and scraped off tile then linoleum with spud.  
Picked up material and put into an impermeable  
bag and double bagged. Hepa vacuumed entire  
area with Hepa vacuum. Hauled material to  
warehouse for storage till taken to landfill.

8/3/2000 Emerson School Media Center  
Removed 1387-9" square ~~ACM~~ ACM Resilient  
floor tile with linoleum attached. Sprayed floor with  
water and scraped off floor tile then the linoleum.  
Picked up material and put into an impermeable bag  
and double bagged. Hepa vacuumed entire area  
with Hepa vacuum. Hauled to warehouse.





# Floor Tile

for storage till taken to landfill.

8/4/2000 Emerson School Media Center  
Removed 728-9" square ACM Resilent floor tile with linoen attached, sprayed floor with water and scraped off tile and then linoena with a spud, Picked up material and put into an impermeable bag and double bagged. Hepa vacuumed entire area with Hepa vacuum. Hauled to storage at warehouse until taken to landfill.

8/19/2000 Emerson School - New Computer Lab.  
Removal of 1372-9" square Resilent floor tile. sprayed down entire floor with water, then using a spud, popped up the tile and put into an impermeable bag and double bagged, vacuumed entire area with a Hepa vacuum afterwards, then hauled the bags to the warehouse for storage until taken to landfill. Replacing floor with carpet.

8/20/2000 Emerson School Room 100  
Removal of 966-9" square Resilent floor tile. sprayed down entire area with water, then using a spud, popped up the tile and put into an impermeable bag and double bagged. vacuumed entire area with



A Hepa vacuum afterwards, then hauled the bags to the warehouse for storage until taken to landfill. Replacing floor with carpet.

8/21/2000 Emerson School Room 101

Removal of 1344-9" square Resilent floor tile. sprayed down entire area with water then using a spud, popped up the tile and put into an impermeable bag and double bagged. vacuumed entire area with a Hepa vacuum afterwards, then hauled the bags to the warehouse for storage until taken to landfill. Replacing floor with carpet.

4/2+3/2001 Emerson School Room 200

Removal of 1330-9" square Resilent floor tile, sprayed down entire area with water, then used a spud to pop up the tile and put into an impermeable bag and double bagged. vacuumed entire area with a Hepa vacuum, Afterwards hauled the bags to the warehouse until taken to landfill for disposal. Replace flooring with the 12x12" tile.

4/2/01 7.5 hrs.  
4/3/01 8.0 hrs

8/31/2001 Emerson School main office in vault,  
Removed 54-9" square ACM Resilent floor



tile. First vacuumed entire area with the Hepa vacuum. Flooded floor with water and using a putty knife, popped up the tile and put into an impermeable bag and double bagged. After all was picked up, vacuumed entire area again with the Hepa vacuum. Took tile to the warehouse for storage until taken to landfill for disposal. 1.5

7/20/06

In Room 207 Replaced 2 resilient ACM floor tile with new 12"x12" cut down to 9"x9" to fit. Put into an impermeable bag and disposed of in the Dumpster at Emerson.

Also check the ceiling in Room 207. Thought the ceiling was leaking, turned out to be Dust collecting on ceiling from 3 vent near ceiling.

Also thought the 2 new boiler had asbestos gaskets + insulation, turned out to be ceramic material. 2.5 hrs.

P.S. Boiler Company sending MSDS sheet for verification.

Inspector Kevin h Fester Cert No. A12503 exp. 3/14/07

Asbestos Environmental Consulting and Training of Michigan

13792 Sharon Rd. Chesaning Michigan 48616-0095

TX 810-496-1712, Fax 810-496-1714, Mobile 313-530-7994



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( X ) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM..

1. Information on the contractor or person conducting the activity:  
Name: Owosso Public Schools

P.O. Box 340 Owosso, MI 48867  
Address: City: State: Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved: signatures:  
David Phelps ✓ David Lee Phelps

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

(use other side if necessary)

3. Start & Completion dates:  
February 6 - February 27, 1995

4. Location of the activity:  
Emerson School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.

back

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.









CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( X ) OSM under 763.91(d) "OSM disturbing friable ACM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools                      Owosso, MI    48867  
Address:    City:    State:    Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved:                      signatures:

David Phelps                      David Lee Phelps  
Bruce Hickmott                      Bruce Hickmott  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(use other side if necessary)

3. Start & Completion dates:  
January 27 - January 28, 1992

4. Location of the activity:  
Emerson School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
on back

6. IF ACM was removed, give the name and/or location of storage or disposal site the of ACM.



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
(x) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools Owosso, MI 48867  
Address: City: State: Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved: signatures:

David Phelps David Lee Phelps  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(use other side if necessary)

3. Start & Completion dates:

**November 25, 1992**

4. Location of the activity:

**Emerson School**

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.

**over**

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
 (X) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
 Name:

Owosso Public Schools                      Owosso, MI    48867  
 Address:    City:    State:                      Zip:

Accreditation or contractor license number:  
 State accredited in:

2. Names of each individual involved:                      signatures:  
David Phelps    David Lee Phelps  
Bruce Hickmott    Bruce R. Hickmott

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

(use other side if necessary)

3. Start & Completion dates:  
 February 14, 1991

4. Location of the activity:  
 Emerson School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
 over

6. IF ACM was removed, give the name and/or location of storage or disposal site the of ACM.

debris - Venice Park Development  
 9536 Lennon Road  
 Lennon, MI 48449





CHECK ONE ( ) Major Asbestos Activity under 763.91 (e).  
( X ) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools Owosso, MI 48867

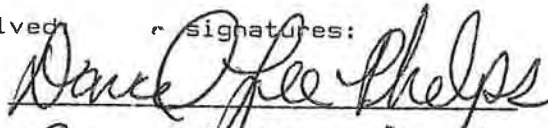
Address: City: State: Zip:

Accreditation or contractor license number:

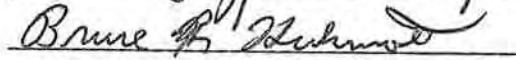
State accredited in:

2. Names of each individual involved, signatures:

Dave Phelps



Bruce Hickmott



(use other side if necessary)

3. Start & Completion dates:

May 15, 1990

4. Location of the activity:

Emerson School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
over

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.

debris-Venice Park Development  
9536 Lennon Road  
Lennon, MI 48449



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( X ) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (F) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:

Name: Owosso Public Schools

1405 W. North Owosso, MI 48867  
Address: City: State: Zip:

Accreditation or contractor license number:

State accredited in:

2. Names of each individual involved: signatures:

Bruce Hickmott

*Bruce R. Hickmott*  
*David Lee Phelps*

David Lee Phelps

(use other side if necessary)

3. Start & Completion dates:

June 27, 1989

July 6, 1989

4. Location of the activity:

Emerson School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
(back)

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.

Venice Park Development  
9536 Lennon Road  
Lennon, MI 48449



CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( X ) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools                      Owosso    MI    48867  
Address:    City:    State:                      Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved:                      signatures:

Dave Phelps                      *David Phelps*  
Bruce Hickmott                      *Bruce R. Hickmott*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(use other side if necessary)

3. Start & Completion dates:

December 11, 1989  
December 12, 1989

4. Location of the activity: Emerson School

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.  
over

6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.

debris - Venice Park Development  
9536 Lennon Road  
Lennon, MI 48449



CLEANING PROTOCOL  
and  
RECORD FORM

THE LEA IS REQUIRED TO CLEAN THE AREA CONTAINING FRIABLE ACBM AFTER EACH INSPECTION.

Cleaning requirements, 763.91(c) and Record keeping, 763.94(e)

Cleaning: [763.91.(c)]

(1) Initial Cleaning. - Unless the building has been cleaned using equivalent methods within the previous 6 months, all areas of a school building where friable ACBM, damaged or significantly damaged thermal system insulation ACBM, or friable suspected ACBM, assumed to be ACBM, are present shall be cleaned at least once after the completion of the inspection required by 763.85(a) and before the initiation of any response action, other than O&M activities or repair, according to the following procedures:

- (i) HEPA-vacuum or steam clean all carpets.
- (ii) HEPA-vacuum or wet-clean all other floor or horizontal surfaces.
- (iii) Dispose of all debris, filters, mop heads and cloths in sealed leak-tight containers. (See form 91F)

(2) Additional Cleaning. The accredited management planner shall make a written recommendation to the LEA whether additional cleaning is needed, and if so, the methods and frequency of such cleaning.

\* \* \* \* \*

Record keeping: [763.94(e)]

Name(s) of person who did the cleaning

Bruce Hickmott

Dave Phelps

Date of the cleaning December 11 & 12, 1989

Location cleaned Emerson School Tunnel on N. side of building  
school area(s) by N. entrance.

Methods used for the cleaning:

HEPA vacuum





CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  
( X ) OSM under 763.91(d) "OSM disturbing friable ACBM."

According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.

1. Information on the contractor or person conducting the activity:  
Name:

Owosso Public Schools      Owosso      MI      48867  
Address:      City:      State:      Zip:

Accreditation or contractor license number:  
State accredited in:

2. Names of each individual involved:      signatures  
Roy Luft-Supervisor      *Roy Luft*  
Dave Phelps      *Dave Phelps*  
Bruce Hickmott      *Bruce R. Hickmott*

(use other side if necessary)

3. Start & Completion dates:  
August 30-September 9, 1988

4. Location of the activity: Emerson  
on the back

5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.

6. IF ACM was removed, give the name and/or location of storage or disposal site the of ACM.

debris - Venice Park Development  
9536 Lennon Road  
Lennon, MI 48449



CLEANING PROTOCOL  
and  
RECORD FORM

THE LEA IS REQUIRED TO CLEAN THE AREA CONTAINING FRIABLE ACBM AFTER EACH INSPECTION.

Cleaning requirements, 763.91(c) and Record keeping, 763.94(e)

Cleaning: [763.91.(c)]

(1) Initial Cleaning. - Unless the building has been cleaned using equivalent methods within the previous 6 months, all areas of a school building where friable ACBM, damaged or significantly damaged thermal system insulation ACBM, or friable suspected ACBM, assumed to be ACBM, are present shall be cleaned at least once after the completion of the inspection required by 763.85(a) and before the initiation of any response action, other than O&M activities or repair, according to the following procedures:

- (i) HEPA-vacuum or steam clean all carpets.
- (ii) HEPA-vacuum or wet-clean all other floor or horizontal surfaces.
- (iii) Dispose of all debris, filters, mop heads and cloths in sealed leak-tight containers. (See form 91F)

(2) Additional Cleaning. The accredited management planner shall make a written recommendation to the LEA whether additional cleaning is needed, and if so, the methods and frequency of such cleaning.

\* \* \* \* \*

Record keeping: [763.94(e)]

Name(s) of person who did the cleaning

Dave Phelps

Bruce Hickmott

Date of the cleaning 8/30-9/9/88 During Repair/Clean-up (Management Plan)

Location cleaned Emerson Tunnel (Under the Kitchen area west wall)  
school area(s)

Methods used for the cleaning:

HEPA Vacuum



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Major Fiber Release

1. List Location and Description of Activities

SEE ATTACHED

2. List Start and Completion Dates of Activities

VARIOUS

3. Name and Location of Storage or Disposal Site for ACM

ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL



FIBER RELEASE EPISODE PROTOCOL  
AHERA, section 763.91(f)

- (1) Minor Fiber Release Episodes [763.91(f)(1) "i.e., the falling or dislodging of 3 square or linear feet or less of friable ACBM"].

In the event of a Minor Fiber Release Episode, the LEA shall insure that the following procedures are followed:

- (i) Thoroughly saturate the debris using wet methods.
- (ii) Clean the area as described in the O&M plan pages 3 & 4, item 5.B.
- (iii) Place the asbestos debris in a sealed, leak-tight container. (See form 91F)
- (iv) Repair the area of damaged ACM with materials such as asbestos-free spackling, plaster, cement, or insulation, or seal with latex paint or an encapsulant, or immediately have appropriate response action implemented as required by 763.90.

NOTE: This response action may only be carried out by personnel that have completed the 16 hour asbestos maintenance and repair training course.

- (2) Major Fiber Release Episodes [763.91(f)(2) The falling or dislodging of more than 3 square or linear feet of friable ACBM].

In the event of a Major Fiber Release Episode, the LEA shall insure that the following procedures are followed:

- (i) Restrict entry into the area and post signs to prevent entry into the area by persons other than those necessary to perform the response actions.
- (ii) Shut off or temporarily modify the air handling system to prevent the distribution of fibers to other areas in the building.
- (iii) The response action 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.





LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Major Fiber Release (continued)

#### 4. Name of Contractor Involved

Last

First

M.I.

VARIOUS - SEE ATTACHED

Signature of Contractor Involved

State of Accreditation

MI

Accreditation Number

VARIOUS

#### 4. Name of Contractor Involved

Last

First

M.I.

Signature of Contractor Involved

State of Accreditation

Accreditation Number



LEA Name

OWOSSO PUBLIC SCHOOLS

SB#

ALL

### Minor Fiber Release

1. List Location and Method of Repair, Preventative Measures or Response Action Taken

SEE O&M ACTIVITIES FORM F-6

2. Date of Minor Fiber Release Episode

VARIOUS

3. Name and Location or Storage of Disposal Site for ACM

ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL  
SEE ATTACHED LANDFILL RECEIPTS/SHIPPING PAPERS

4. List Names of Persons Performing Repair or Cleanup

VARIOUS - SEE ATTACHED



**THREE YEAR ASBESTOS REINSPECTION**

**OWOSSO PUBLIC SCHOOLS  
1405 WEST NORTH STREET  
OWOSSO, MI 48867**

**APRIL 5, 1991**

1  
-----  
1991



Owosso Public Schools  
1405 W North St  
Owosso, MI 48867

Designated Person - Mr. Donald W Leville  
Office - (517) 723-8131

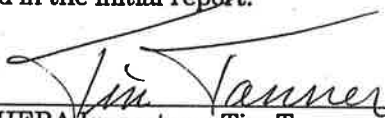
The following reinspection was conducted by Tim Tanner. The inspector was responsible for all reinspection data generation and ACM assessments.

<u>Building Inspected:</u>	<u>Date Inspected</u>
1. Owosso High School	3-5-91
2. Owosso Jr. High School	3-5-91
3. Bentley Elementary School	3-5-91
4. Bryant School	3-5-91
5. Central School	3-5-91
6. Emerson School	3-5-91
7. Lincoln School	3-6-91
8. Roosevelt School	3-6-91
9. Washington School	3-6-91
10. Miscellaneous Buildings:	3-6-91
Administration	3-5-91
Bus Garage	3-6-91
Warehouse & Maintenance	3-6-91
Green Meadows School (storage)	3-5-91

Inspection Completion Date: 3/6/91

As the inspector, I have examined and assessed all ACM and assumed ACM materials identified in the initial inspection Report. The inspector's responsibility is to provide the documentation for the assessments of previously identified ACM. It is the responsibility of the LEA to provide documentation for New Materials and for ongoing AHERA Recordkeeping (including abatement, training, periodic surveillance, fiber release episodes, etc.) unless otherwise provided for by TTS Papersystem.

All quantifications are approximate. No additional cleaning was required under ACM unless such is indicated in the management plan. No foreseeable potential damage is anticipated unless otherwise indicated in this report. An asterisk in the report indicates that the condition of the ACM has changed or the material was not previously identified in the initial report. Within this report, if there is no item of Thermal System Insulation, Surfacing Material or Miscellaneous Material within a building or area, this indicates that no ACM item was listed in the initial report.

  
\_\_\_\_\_  
Signature - AHERA Inspector - Tim Tanner

\_\_\_\_\_  
date

Accreditation # B-1031- U. of Illinois & USEPA

Trust Thermal Systems  
13109 Schavey Rd., Suite #2  
DeWitt, MI. 48820  
Phone: 1-517-669-8834





**Owosso High School**

**THERMAL SYSTEMS INSULATION**

**Boiler Room and Tunnels**

**ITEM #**

- 1. WATER TANK COVER** 340 sq ft, of non-friable assumed ACM, in the basement boiler room
- 2. ELBOWS:** 150 elbows non-friable assumed ACM, throughout the basement boiler room
- 3. PIPE WRAP:** 280 lineal feet Aerocell non-friable assumed ACM, 30 linear feet at boiler room entrance in walkway under hall 250 linear feet on the water supply line south of the door to the boiler room.
- 4. ELBOWS:** 1,050 elbows, non-friable assumed ACM, in the total tunnel system, all in good condition.
- 5. PIPE WRAP AND ELBOWS:** non-friable assumed ACM, found in the following area:

**600 Wing of High School**

- a. Ag Room 25 linear feet hard white pipewrap on south end with 10 elbows
- b. Gym area pipechase in shower area 25 elbows
- c. Pool Storage 2 large pipes
- d. Air handling unit #4, 75 linear feet pipewrap and 35 elbows
- e. Gym 12 elbows each on 4 air handling units by ceiling
- f. Maintenance room 4 elbows on heater

**100 Wing of High School**

- g. 30 linear feet pipewrap in air handling unit in mechanical room
- h. 35 elbows

**200 Wing of High School**

- i. 20 linear feet pipewrap in air handling unit in the Air Handling room and pipechase
- j. 25 elbows in air handling unit in the Air Handling Room and pipechase.

**300 Wing of High School**

- k. 15 linear feet Aerocell pipewrap with 4 elbows in the Laundry Room



**High School - continued**

**400 Wing of High School**

- l. 7 elbows in the Mechanical room
- m. 15 linear feet pipewrap in the Mechanical Room
- n. 35 linear feet pipewrap in Auditorium storage on the North side:

\* Though this is currently non-friable there is a **Potential for Damage** because box of storage material are being hit by material stored in the room.

- o. 75 sq ft with 10 elbows in the mechanical room on air handler units

**Office Area of High School**

- q. 7 elbows in the pipechase in Guidance Office
- r. 11 elbows in the pipechase between boys and girls restrooms

**Auditorium Area of High School**

- s. 7 elbows and 20 ft pipewrap in the fan room off auditorium

**Cafeteria Area of High School**

- t. 21 elbows and 6 linear feet pipewrap in the south fan room and Kitchen
- u. 9 elbows in the dish room in kitchen area
- v. 16 elbows and 15 linear feet gray pipewrap in the north fan room

**6. ROOF DRAINS:** locations as follows:

- a. 600 wing 4 roof drains each having 2 elbows non-friable assumed ACM, good condition.
- b. 600 wing Penthouse roof drain has 2 elbows assumed ACM, non-friable, good condition.

**MISCELLANEOUS MATERIAL**

- 7. **FLOOR TILE:** 85,499 sq ft non-friable assumed ACM, see Floor Tile Sheet for location
- 8. **LAB COUNTERS:** 150 linear feet assumed ACM, in science rooms
- 9. **STAGE CURTAIN:** 1 - 50x20 non-friable assumed ACM, in the 400 Wing Stage

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**Junior High School**

**THERMAL SYSTEM INSULATION**

1. **PIPE WRAP AND ELBOWS:** non-friable assumed ACM, located in the following area:
  - a. 15 elbows in the fan room below the basement level
  - b. 10 elbows in the tunnel under main hallway
  - c. 200 elbows, 10 feet of Aerocell pipe wrap in the basement crawlspace and storage room
  - d. 60 linear feet 6" Aerocell pipewrap with 30 linear feet of 4" Aerocell pipewrap found in the Attic. This piping is not being used.

**MISCELLANEOUS MATERIAL**

2. **FLOOR TILE:** 21,002 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**

**BENTLEY ELEMENTARY SCHOOL**

**THERMAL SYSTEM INSULATION**

**ITEM#**

1. **ELBOWS AND PIPE WRAP:** non-friable assumed ACM, in the following area:
  - a. 150 elbows, 200 linear feet hard pipewrap in the boiler room
  - b. 7 elbows, 15 linear feet pipewrap in the Fan Room
  - c. 2 ceiling drains with 4 feet pipewrap in the gym
  - d. 20 elbows in the pipechase between boys and girls rest rooms

**MISCELLANEOUS MATERIAL**

2. **FLOOR TILE:** 10,362 sq ft, floor tile non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**BRYANT ELEMENTARY SCHOOL**

**Removed Material since the first inspection:**

2 Brownell boilers with 180 sq ft non-friable assumed ACM

**THERMAL SYSTEMS INSULATION**

**Area #1 - Original Building**

**ITEM #**

**1. ELBOWS AND PIPE WRAP: Non-friable, assumed ACM in the following locations:**

- a. 50 linear feet Pipewrap, 21 elbows in the boiler room
- b. 58 elbows 210 linear feet pipewrap in the custodial room
- c. 2 elbows in the gym ceiling
- d. Title I room 2 elbows in the office storage room

**Area #3 - 1950 Tunnels and Crawlspace**

- e. 360 linear feet in the North wing rooms 103-121 Aerocell pipewrap on water line running down the center
- f. 45 elbows 247 linear feet pipewrap (unless fiberglass PW) located in the center wing.

**Area #2 - 1957**

- g. 4 feet of pipewrap west side of hallway
- h. 52 elbows in the east wing
- i. 33 elbows in the west wing.
- j. 24 elbows and 80 linear feet Aerocell pipewrap in the main hallway

**SURFACING MATERIAL**

**Area #2 - 1957**

- 2. SPRAY-ON CEILING: 12,160 sq ft non-friable ACM, in the hallway and classroom**

**MISCELLANEOUS MATERIAL**

**Area #1 - Original**

- 3. INCINERATOR: coating inside, non-friable assumed ACM**
- 4. FLOOR TILE: 23,258 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location**

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**





**CENTRAL ELEMENTARY SCHOOL**

**Removed Material since the first inspection:**

2 boiler jackets, #1-256 sq ft, #2-256 sq ft, non-friable assumed ACM

200 sq ft, non-friable assumed ACM, good condition.

250 linear feet Aerocell pipewrap, 50 elbows in the boiler room both north and south crawlspace and fan room.

**THERMAL SYSTEMS INSULATION**

1. **PIPE WRAP AND ELBOWS:** The following area have non-friable assumed ACM, as listed:

**Area #2**

- b. 336 linear feet pipewrap and 65 elbows in the first floor in stage area air handling units, pipechase in boy rest rooms.

**Area #3**

- c. 15 elbows and 25 feet of pipewrap this is found in the ceiling and in the boys and girl's rest room pipe chase.

**MISCELLANEOUS MATERIALS**

2. **FLOOR TILE:** 13,646 sq ft, Floor tile non-friable assumed ACM, found throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**EMERSON ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:** Since the first AHERA inspection the following changes were items were removed:

- Area #1 - Number 2 boiler jacket,
- Area #1 - 145 liner ft & 15 elbows in the south crawlspace,
- Area #1 - 50 liner ft in the storage room,
- Area #2 - spray-on ceiling in the west Lobby entrance and stairwell 250 sq ft

Area #2

ITEM #:

1. **ELBOWS:** 105 elbows non-friable assumed ACM, in the tunnel under the kitchen area.

**SURFACING MATERIAL**

Area #2

2. **SPRAY-ON CEILINGS:** 6,766 sq ft, friable ACM, in the hallway and classrooms in the school, the height of the ceiling and the used of the building causes the potential for damage to be minimal.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 22,220 sq ft, floor Tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**LINCOLN ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Area #1**

**Removed Material:** Since the first AHERA inspection the following changes were items were removed:

- All pipe wrap and elbows in the Boiler room and in the Crawlspace of this building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**

**ROOSEVELT ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:** Since the first AHERA inspection the following changes were items were removed:

- All pipe wrap and elbows were removed in the boiler room and crawlspace in this building in both areas #1 & #2.

**MISCELLANEOUS MATERIAL**

**ITEM #:**

1. **FLOOR TILE:** 3,545 sq ft floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**WASHINGTON ELEMENTARY SCHOOL**

**Removed Material since the first inspection:**

Floor tile in the following rooms, #4, #5, #6, #7, #8.

**THERMAL SYSTEMS INSULATION**

**Area #1 - 1924**

**1. PIPE WRAP AND ELBOWS: All are non-friable assumed ACM, listed in the following area:**

- a. 70 linear feet Aerocell pipewrap, 25 elbows in the crawlspace.
- b. 20 linear feet of Aerocell and 30 elbows in the fan room.
- c. 35 linear feet 12" Pipewrap, 10 elbows in the old boiler room.
- d. 35 linear feet Aerocell pipewrap, 4 elbows in crawlspace under the media center.

**Area #2 - 1949**

- e. 95 linear feet of pipe wrap with 35 elbows in the storage area in the basement.

**Area #3 - 1949**

- d. 23 linear feet Aerocell pipewrap in south end 7 elbows in the Title I Room
- e. 3 lines Aerocell pipewrap, 12 linear feet under the stairway by the circulation pump.
- f. 300 linear feet Aerocell pipewrap and 55 elbows found under the gym in the crawlspace and kindergarten room.

**MISCELLENEOUS MATERIAL**

**2. FLOOR TILE: 15,717 sq ft, floor tile non-friable assumed ACM, throughout the building.**

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**





**Administration Building**

**MISCELLANEOUS MATERIAL**

**ITEM #**

1. **FLOOR TILE:** 153 sq ft floor tile, non-friable assumed ACM, throughout building.

**Warehouse**

**THERMAL SYSTEMS INSULATION**

1. **PIPE WRAP AND ELBOWS:** 20 linear feet Aerocell pipewrap non-friable assumed ACM, with one elbow by the restroom door.

**Green Meadows School (Storage)**

**THERMAL SYSTEMS INSULATION**

1. **BOILER COVER:** 180 sq ft boiler jacket, non-friable assumed ACM, in boiler room.
2. **PIPE WRAP AND ELBOWS:** 250 linear feet Pipewrap, 65 elbows, non-friable assumed ACM, in boiler room and tunnels.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 6,000 sq ft floor tile, non-friable assumed ACM, Throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS  
ARE ASSUMED ACM UNLESS OTHER WISE STATED**



**SECOND 3-YEAR ASBESTOS REINSPECTION**

**OWOSSO PUBLIC SCHOOL  
1405 W. North Street**

**Miscellaneous Buildings:  
Administration  
Bus Garage  
Warehouse & Maintenance  
Green Meadows School (storage)**

**March 24, 1994**

*2/1994*



## Owosso Public Schools

1405 W North St  
Owosso, MI 48867

Designated Person: Mr. Donald W. Leville,

Office: (517) 723-8131


The following reinspection was conducted by Tim Tanner. The inspector was responsible for all reinspection data generation and ACM assessments.

Building Inspected:	Date Inspected
1. Owosso High School	3-25-94
2. Owosso Jr. High School	3-24-94
3. Bentley Elementary School	3-24-94
4. Bryant School	3-24-94
5. Central School	3-24-94
6. Emerson School	3-24-94
7. Lincoln School	3-24-94
8. Roosevelt School	3-24-94
9. Washington School	3-24-94
10. Miscellaneous Buildings:	3-24-94
Administration	3-25-94
Bus Garage	3-24-94
Warehouse & Maintenance	3-24-94
Green Meadows School (storage)	3-24-94

Inspection Completion Date: 3/25/94

As the inspector, I have examined and assessed all ACM and assumed ACM materials identified in the initial inspection Report. The inspector's responsibility is to provide the documentation for the assessments of previously identified ACM. It is the responsibility of the LEA to provide documentation for New Materials and for ongoing AHERA Recordkeeping (including abatement, training, periodic surveillance, fiber release episodes, etc.) unless otherwise provided for by TTS Papersystem.

All quantifications are approximate. No additional cleaning was required under ACM unless such is indicated in the management plan. No foreseeable potential damage is anticipated unless otherwise indicated in this report. An asterisk in the report indicates that the condition of the ACM has changed or the material was not previously identified in the initial report. Within this report, if there is no item of Thermal System Insulation, Surfacing Material or Miscellaneous Material within a building or area, this indicates that no ACM item was listed in the initial report.

  
Signature - AHERA Inspector - Tim Tanner      3-30-94      date  
Accreditation # B-1031- U. of Illinois & USEPA

Trust Thermal Systems,  
12451 US 27,  
DeWitt, MI 48820  
Phone: (517) 669-8834



Owosso High School

THERMAL SYSTEMS INSULATION

Boiler Room and Tunnels

ITEM #

1. **WATER TANK COVER:** 340 sq ft, of non-friable assumed ACM, in the basement boiler room
2. **ELBOWS:** 150 elbows non-friable assumed ACM, throughout the basement boiler room
3. **PIPE WRAP:** 280 linear feet Aerocell non-friable assumed ACM, 30 linear feet at boiler room entrance in walkway under hall 250 linear feet on the water supply line south of the door to the boiler room.
4. **ELBOWS:** 1,050 elbows, non-friable assumed ACM, in the total tunnel system, all in good condition.
5. **PIPE WRAP AND ELBOWS:** non-friable assumed ACM, found in the following area:
  - 600 Wing of High School
    - a. Ag Room 25 linear feet hard white pipewrap on south end with 10 elbows
    - b. Gym area pipechase in shower area 25 elbows
    - c. Pool Storage 2 large pipes
    - d. Air handling unit #4, 75 linear feet pipewrap and 35 elbows
    - e. Gym 12 elbows each on 4 air handling units by ceiling
    - f. Maintenance room 4 elbows on heater
  - 100 Wing of High School
    - g. 30 linear feet pipewrap in air handling unit in mechanical room
    - h. 35 elbows
  - 200 Wing of High School
    - i. 20 linear feet pipewrap in air handling unit in the Air Handling room and pipechase
    - j. 25 elbows in air handling unit in the Air Handling Room and pipechase.
  - 300 Wing of High School
    - k. 15 linear feet Aerocell pipewrap with 4 elbows in the Laundry Room
  - 400 Wing of High School
    - l. 7 elbows in the Mechanical room
    - m. 15 linear feet pipewrap in the Mechanical Room
    - n. 35 linear feet pipewrap in Auditorium storage on the North side:
      - \* Though this is currently non-friable there is a **Potential for Damage** because box of storage material are being hit by material stored in the room.
    - o. 75 sq ft with 10 elbows in the mechanical room on air handler units





**Office Area of High School**

- q. 7 elbows in the pipechase in Guidance Office
- r. 11 elbows in the pipechase between boys and girls restrooms

**Auditorium Area of High School**

- s. 7 elbows and 20 ft pipewrap in the fan room off auditorium

**Cafeteria Area of High School**

- t. 21 elbows and 6 linear feet pipewrap in the south fan room and Kitchen
- u. 9 elbows in the dish room in kitchen area
- v. 16 elbows and 15 linear feet gray pipewrap in the north fan room

**6. ROOF DRAINS:** locations as follows:

- a. 600 wing 4 roof drains each having 2 elbows non-friable assumed ACM, good condition.
- b. 600 wing Penthouse roof drain has 2 elbows assumed ACM, non-friable, good condition.

**MISCELLANEOUS MATERIAL**

- 7. FLOOR TILE:** 85,499 sq ft non-friable assumed ACM, see Floor Tile Sheet for location
- 8. LAB COUNTERS:** 150 linear feet assumed ACM, in science rooms
- 9. STAGE CURTAIN:** 1 - 50x20 non-friable assumed ACM, in the 400 Wing Stage

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



**Junior High School**

**THERMAL SYSTEM INSULATION**

- 1. PIPE WRAP AND ELBOWS:** non-friable assumed ACM, located in the following area:
- 15 elbows in the fan room below the basement level
  - 10 elbows in the tunnel under main hallway
  - 200 elbows, 10 feet of Aerocell pipe wrap in the basement crawlspace and storage room
  - 60 linear feet 6" Aerocell pipewrap with 30 linear feet of 4" Aerocell pipewrap found in the Attic.  
The Piping is not being used.

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 21,002 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**

**BENTLEY ELEMENTARY SCHOOL**

**THERMAL SYSTEM INSULATION**

**ITEM#**

- 1. ELBOWS AND PIPE WRAP:** non-friable assumed ACM, in the following area:
- 150 elbows, 200 linear feet hard pipewrap in the boiler room
  - 7 elbows, 15 linear feet pipewrap in the Fan Room
  - 2 ceiling drains with 4 feet pipewrap in the gym
  - 20 elbows in the pipechase between boys and girls rest rooms

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 10,362 sq ft, floor tile non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



**BRYANT ELEMENTARY SCHOOL**

**Removed Material :** According to the first inspection 2 Brownell boilers with 180 sq ft non-friable assumed ACM In 1990 when the new boiler was put in the 50 Liner feet and 21 elbows were taken out according to the School.  
Spray-on ceiling in the 1957 section was removed because of a fire.  
The incinerator was tested and removed as non ACM.

**THERMAL SYSTEMS INSULATION**

Area #1 - Original Building

**ITEM #**

- 1. ELBOWS AND PIPE WRAP:** Non-friable, assumed ACM in the following locations:
- a. 58 elbows 210 linear feet pipewrap in the custodial room
  - b. 2 elbows in the gym ceiling
  - c. Title I room 2 elbows in the office storage room

Area #3 - 1950 Tunnels and Crawlspace

- d. 360 linear feet in the North wing rooms 103-121 Aerocell pipewrap on water line running down the center
- e. 45 elbows 247 linear feet pipewrap (unless fiberglass PW) located in the center wing.

Area #2 - 1957

- f. 4 feet of pipewrap west side of hallway
- g. 52 elbows in the east wing
- h. 33 elbows in the west wing.
- i. 24 elbows and 80 linear feet Aerocell pipewrap in the main hallway

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 23,258 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



**CENTRAL ELEMENTARY SCHOOL**

**Removed Material**

2 boiler jackets, #1-256 sq ft, #2-256 sq ft, non-friable assumed ACM 200 sq ft, non-friable assumed ACM, good condition.  
250 linear feet Aerocell pipewrap, 50 elbows in the boiler room both north and south crawlspace and fan room.

**THERMAL SYSTEMS INSULATION**

**1. PIPE WRAP AND ELBOWS:** The following area have non-friable assumed ACM, as listed:

**Area #2**

b. 336 linear feet pipewrap and 65 elbows in the first floor in stage and attic area air handling units, pipechase in boy rest rooms.

**Area #3**

c. 15 elbows and 25 feet of pipewrap this is found in the ceiling and in the boys and girl's rest room pipe chase.

**MISCELLANEOUS MATERIALS**

**2. FLOOR TILE:** 13,646 sq ft, Floor tile non-friable assumed ACM, found throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**

**NEW MATERIAL:**

**1. UNIVENT BOOTS:** 192 square inch, Assumed ACM, Non friable gray cloth boot, located in the old locker room on the air handler.





**EMERSON ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:**

- Area #1 - Number 2 boiler jacket,
- Area #1 -145 liner ft & 15 elbows in the south crawlspace,
- Area #1 - 50 liner ft in the storage room,
- Area #2 - spray-on ceiling in the west Lobby entrance and stairwell 250 sq ft

**Area #2**

1. **ELBOWS:** 105 elbows non-friable assumed ACM, in the tunnel under the kitchen area.

**SURFACING MATERIAL**

**Area #2**

2. **SPRAY-ON CEILINGS:** 6,766 sq ft, friable ACM, in the hallway and classrooms in the school, the height of the ceiling and the used of the building causes the potential for damage to be minimal.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 22,220 sq ft, floor Tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**

**LINCOLN ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:**

All pipe wrap and elbows in the Boiler room and in the Crawlspace of this building.

1. **FLOOR TILE:** 70 square feet, Assumed ACM, Non Friable, located in the small kitchen on the main floor.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



**ROOSEVELT ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

**Removed Material:**

All pipe wrap and elbows were removed in the boiler room and crawlspace in this building in both areas #1 & #2.

**MISCELLANEOUS MATERIAL**

**ITEM #:**

1. **FLOOR TILE:** 3,545 sq ft floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**



**WASHINGTON ELEMENTARY SCHOOL**

**Removed Material**

Floor tile in the following rooms, #4, #5, #6, #7, #8.

**THERMAL SYSTEMS INSULATION**

**Area #1 - 1924**

- 1. PIPE WRAP AND ELBOWS:** All are non-friable assumed ACM, listed in the following area:
- a. 70 linear feet Aerocell pipewrap, 25 elbows in the crawlspace.
  - b. 20 linear feet of Aerocell and 30 elbows in the fan room.
  - c. 35 linear feet 12" Pipewrap, 10 elbows in the old boiler room.
  - d. 35 linear feet Aerocell pipewrap, 4 elbows in crawlspace under the media center.

**Area #2 - 1949**

- e. 95 linear feet of pipe wrap with 35 elbows in the storage area in the basement.

**Area #3 - 1949**

- d. 23 linear feet Aerocell pipewrap in south end 7 elbows in the Title I Room
- e. 3 lines Aerocell pipewrap, 12 linear feet under the stairway by the circulation pump.
- f. 300 linear feet Aerocell pipewrap and 55 elbows found under the gym in the crawlspace and kindergarten room.

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 15,717 sq ft, floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**

**NEW MATERIAL:**

- 1. UNIVENT BOOTS:** 960 square inches, Assumed ACM, Non friable gray boot, located in the fan room.



**Administration Building**

**MISCELLANEOUS MATERIAL**

1. **FLOOR TILE:** 153 sq ft floor tile, non-friable assumed ACM, throughout building.

**Warehouse**

**THERMAL SYSTEMS INSULATION**

1. **PIPEWRAP AND ELBOWS:** 20 linear feet Aerocell pipewrap non-friable assumed ACM, with one elbow by the restroom door.

**Green Meadows School (Storage)**

This building is not entered by any one but school personal and there is water damaged in the building because of room and window leaks.

**THERMAL SYSTEMS INSULATION**

1. **BOILER COVER:** 180 sq ft boiler jacket, non-friable assumed ACM, in boiler room.
2. **PIPE WRAP AND ELBOWS:** 250 linear feet Pipewrap, 65 elbows, non-friable assumed ACM, in boiler room and tunnels.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 6,000 sq ft floor tile, non-friable assumed ACM, Throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS  
OTHER WISE STATED**





THIRD 3 YEAR ASBESTOS REINSPECTION

OWOSSO PUBLIC SCHOOLS  
1405 W. NORTH STREET  
OWOSSO, MI 48867

3/1997



THOMAS J. LOWE, PRESIDENT

ESTABLISHED - 1979

(517) 669-8834  
FAX (517) 669-8836



**Management Planner Report  
for  
Owosso Public Schools**

March 27, 1997

Mr. Les Monroe  
Owosso Public Schools  
1405 W. North Street  
Owosso MI 48867

The following report contains response actions which you as a Designated Person must consider. Quantifications and identifications of ACM or assumed ACM were derived from the initial inspection report. The following recommendations were determined from the EPA Tree (Form 90Bb) and AHERA. We have provided a convenient format below for you to mark your response to our recommendations. For those items for which you would decide to take a more aggressive approach (i.e. removal) or for those recommendations with which you would disagree, please mark the appropriate box and provide in writing an explanation back to TTS within 10 days.

Please note that no additional cleaning under ACM has been required except as noted below. All materials that are listed in the re-inspection report but not listed in this management planner report are to be maintained under your O & M plan. The response action listed may begin immediately, but is to be completed by the date listed in this report.

Agree    Disagree

**OWOSSO HIGH SCHOOL**

       ELBOWS: Assumed ACM in the boiler room as follows:

- \*Damage - 3" tear on steam header above boiler #1
- \*Damage - 6" of exposed material by the sink
- \*Damage - Quarter-sized gouge by valve #6

All material which is damaged and friable is to be rewrapped/repaired by trained personnel.

       ELBOWS: Assumed ACM in the tunnel system as follows:

- \*Damage - one open end 30' down main tunnel to 600 wing
- \*Damage - one open end at entrance to Cafeteria crawlspace
- \*Damage - one elbow falling off South of Choir room by the corner of the tunnel



High School (Continued)

Agree Disagree

\_\_\_\_\_

- \*Damage - one elbow, wrap is falling off approximately 20 South of other Choir room
- \*Damage - one elbow, wrap is falling off under Bandroom
- \*Damage - Wrap is coming off elbow by Valve #86
- \*Damage - elbow has separated from straight just west of Valve #86

All material which is damaged and friable is to be rewrapped/repared by trained personnel.

**BRYANT ELEMENTARY SCHOOL**

\_\_\_\_\_

PIPE WRAP: Assumed ACM in the following locations:

- \*Damage - 6" of wrap in the electrical room has been removed 5' from South door

All material which is damaged and friable is to be rewrapped/repared by trained personnel.

**EMERSON ELEMENTARY SCHOOL**

\_\_\_\_\_

SPRAY ON MATERIAL: Friable ACM in hallway:

- \*Damage - 4 quarter-size gouges outside Room #201 from an old roof leak. Roof leak was repaired according to school personnel.

All material which is damaged and friable is to be repaired by trained personnel.

**WASHINGTON ELEMENTARY SCHOOL**

\_\_\_\_\_

PIPEWRAP: Assumed ACM on 12" line outside old boiler room:

- \*Damage - 3" gouge just outside old boiler room door in hallway

All material which is damaged and friable is to be rewrapped/repared by trained personnel.









## Third 3-Year Reinspection

## Owosso High School

## THERMAL SYSTEMS INSULATION

## Boiler Room and Tunnels

## ITEM #

1. **WATER TANK COVER:** 340 sq ft, of non-friable assumed ACM, in the basement boiler room
2. **ELBOWS:** 150 elbows non-friable assumed ACM in good condition throughout the basement boiler room except:
  - \*Damage - 3" tear on steam header above boiler #1
  - \*Damage - 6" of exposed material by the sink
  - \*Damage - Quarter-sized gouge by valve #6
3. **PIPE WRAP:** 280 lineal feet Aerocell non-friable assumed ACM, 30 linear feet at boiler room entrance in walkway under hall 250 linear feet on the water supply line south of the door to the boiler room.
4. **ELBOWS:** 1,050 elbows, non-friable assumed ACM, in the total tunnel system, in good condition except:
  - \*Damage - one open end 30' down main tunnel to 600 wing
  - \*Damage - one open end at entrance to Cafeteria crawlspace
  - \*Damage - one elbow falling off South of Choir room by the corner of the tunnel
  - \*Damage - one elbow, wrap is falling off approximately 20 South of other Choir room elbow
  - \*Damage - one elbow, wrap is falling off under Bandroom
  - \*Damage - Wrap is coming off elbow by Valve #86
  - \*Damage - elbow has separated from straight just west of Valve #86
5. **PIPE WRAP AND ELBOWS:** non-friable assumed ACM, found in the following area:
  - 600 Wing of High School
    - a. Ag Room - 2 elbows in the storage room are non-friable assumed ACM.
 

NOTE: The last report lists this as 25 linear feet hard white pipewrap on south end with 10 elbows. This could not be located.
    - b. Gym area pipechase in shower area 25 elbows
    - c. Pool Storage 2 large pipes
    - d. Air handling unit above shower room 75 linear feet pipewrap and 35 elbows
    - e. Gym 12 elbows each on 4 air handling units by ceiling
    - f. Maintenance room 4 elbows on heater
    - g. Auto Shop - 20' of Hard white pipewrap and 4 elbows in storage area.
 

This material has potential for damage because it is in a high traffic area used by both teachers and students for auto parts storage.
    - h. Pipe chase by Girl's bathroom in 600 Wing - 15 elbows



## Third 3-Year Reinspection

## 100 Wing of High School

- i. 30 linear feet pipewrap and 35 elbows in air handling unit in mechanical room

## 200 Wing of High School

- j. 20 linear feet pipewrap in air handling unit in the Air Handling room and pipechase
- k. 25 elbows in air handling unit in the Air Handling Room and pipechase.

\*Damage - There is one elbow in the tunnel directly below the pipechase where the wrap has rotted off exposing material.

## 300 Wing of High School

- l. 15 linear feet Aerocell pipewrap with 4 elbows in the Laundry Room

## 400 Wing of High School

- m. 7 elbows in the Mechanical room
- n. 15 linear feet pipewrap in the Mechanical Room
- o. 35 linear feet pipewrap in Auditorium storage on the North side:
- p. 75 sq ft with 10 elbows in the mechanical room on air handler units
- q. Pipe chase in boy's bathroom of 400 Wing has 15 elbows

\*Damage - Wrap on one elbow just inside the door of pipechase has been torn.

## Office Area of High School

- r. 7 elbows in the pipechase in Guidance Office - There is a **potential for damage** to some of these elbows since material is stored on top of them.
- s. 11 elbows in the pipechase between boys and girls restrooms

## Auditorium Area of High School

- t. 7 elbows and 20 ft pipewrap in the fan room off auditorium

## Cafeteria Area of High School

- u. 21 elbows and 6 linear feet pipewrap in the south fan room and Kitchen
- v. 9 elbows listed in the last report in the dish room in kitchen area could not be located
- w. 16 elbows and 15 linear feet gray pipewrap in the north fan room

**6. ROOF DRAINS:** locations as follows:

- a. 600 wing 4 roof drains each having 2 elbows non-friable assumed ACM
- b. 600 wing Penthouse roof drain has 2 elbows assumed ACM, non-friable



**Third 3-Year Reinspection****MISCELLANEOUS MATERIAL**

- 7. FLOOR TILE:** 85,499 sq ft non-friable assumed ACM, see Floor Tile Sheet for location
- 8. LAB COUNTERS:** 150 linear feet assumed ACM non-friable, in science rooms
- 9. STAGE CURTAIN:** 1 - 50x20 non-friable assumed ACM, in the 400 Wing Stage

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



## Third 3-Year Reinspection

**Junior High School****THERMAL SYSTEM INSULATION****1. PIPE WRAP AND ELBOWS:** non-friable assumed ACM, located in the following area:

- a. 15 elbows in the weight room below the basement level

NOTE: This was incorrectly listed as the fan room in the last report

- b. 10 elbows in the tunnel under main hallway (accessed from door in fan room)

- c. 200 elbows, 10 feet of Aerocell pipe wrap in the basement fan room

NOTE: This was incorrectly listed as the basement crawlspace and storage room

- d. 60 linear feet 6" Aerocell pipewrap with 30 linear feet of 4" Aerocell pipewrap found in the Attic of Third floor.

- e. 5 hard white elbows on water meter in meter room

- f. 15 elbows on fiberglass wrap in pool service room.

NOTE: This material was not listed on the last report

**MISCELLANEOUS MATERIAL****2. FLOOR TILE:** 21,002 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**





**Third 3-Year Reinspection****BENTLEY ELEMENTARY SCHOOL**

**Removed Material since last inspection: Old hot water heater and attached ACM elbows**

**THERMAL SYSTEM INSULATION**

**ITEM#**

**1. ELBOWS AND PIPE WRAP: non-friable assumed ACM, in the following area:**

- a. 150 elbows, 200 linear feet hard pipewrap in the boiler room
- b. 7 elbows, 15 linear feet pipewrap in the Fan Room
- c. 2 ceiling drains with 4 feet pipewrap in the gym
- d. 20 elbows in the pipechase between boys and girls rest rooms

**MISCELLANEOUS MATERIAL**

**2. FLOOR TILE: 10,362 sq ft, floor tile non-friable assumed ACM. See Floor Tile Sheet for location.**

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



## Third 3-Year Reinspection

**BRYANT ELEMENTARY SCHOOL****THERMAL SYSTEMS INSULATION**

## Area #1 - Original Building

## ITEM #

**1. ELBOWS AND PIPE WRAP: Non-friable, assumed ACM in the following locations:**

a. 58 elbows 210 linear feet pipewrap in the electrical room

\*Damage - 6" of wrap has been removed 5' from South door

b. 2 elbows in the gym ceiling

c. Title I room 2 elbows in the office storage room

## Area #3 - 1950 Tunnels and Crawlspace

d. 360 linear feet in the North wing rooms 103-121 Aerocell pipewrap on water line running down the center

e. 45 elbows 247 linear feet pipewrap (unless fiberglass PW) located in the center wing.

## Area #2 - 1957

f. 4 feet of pipewrap west side of hallway

g. 52 elbows in the east wing

h. 33 elbows in the west wing.

i. 24 elbows and 80 linear feet Aerocell pipewrap in the main hallway

**MISCELLANEOUS MATERIAL**

**2. FLOOR TILE: 23,258 sq ft, non-friable assumed ACM. See Floor Tile Sheet for location**

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



**Third 3-Year Reinspection****CENTRAL ELEMENTARY SCHOOL****THERMAL SYSTEMS INSULATION**

1. **PIPE WRAP AND ELBOWS:** The following area have non-friable assumed ACM, as listed:
  - a. Approximately 636 linear feet pipewrap and 65 elbows throughout basement, first floor pipe chase and attic area.
  - b. UNIVENT BOOTS: 192 square inch, Assumed ACM, Non friable gray cloth boot, located in the old locker room on the air handler.
  - c. 15 elbows and 25 feet of pipewrap in the ceiling and in the boys and girl's rest room pipe chase.

**MISCELLANEOUS MATERIALS**

2. **FLOOR TILE:** 13,646 sq ft, Floor tile non-friable assumed ACM, found throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



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Third 3-Year Reinspection

**EMERSON ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

Area #2

1. **ELBOWS:** 105 elbows non-friable assumed ACM, in the tunnel under the kitchen area.

**SURFACING MATERIAL**

Area #2

2. **SPRAY-ON CEILINGS:** 6,766 sq ft, friable ACM, in the hallway and classrooms throughout the school

\*Damage - 4 quarter-size gouges outside Room #201 from an old roof leak. Roof leak was repaired according to school personnel.

**MISCELLANEOUS MATERIAL**

3. **FLOOR TILE:** 22,220 sq ft, floor Tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**





Third 3-Year Reinspection

**LINCOLN ELEMENTARY SCHOOL**

**MISCELLANEOUS MATERIAL**

1. **FLOOR TILE:** 70 square feet, Assumed ACM, Non Friable, located in the small kitchen on the main floor.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED  
ACM UNLESS OTHER WISE STATED**



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Third 3-Year Reinspection

**ROOSEVELT ELEMENTARY SCHOOL**

**MISCELLANEOUS MATERIAL**

**ITEM #:**

- 1. FLOOR TILE:** 3,545 sq ft floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED**



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Third 3-Year Reinspection

**WASHINGTON ELEMENTARY SCHOOL**

**THERMAL SYSTEMS INSULATION**

Area #1 - 1924

**1. PIPE WRAP AND ELBOWS:** All are non-friable assumed ACM, listed in the following area:

- a. 70 linear feet Aerocell pipewrap, 25 elbows in the crawlspace.
- b. 20 linear feet of Aerocell and 30 elbows in the fan room.
- c. UNIVENT BOOTS: 960 square inches, Assumed ACM, Non friable gray boot, located in the fan room.
- d. 35 linear feet 12" Pipewrap, 10 elbows in the old boiler room.

\*Damage - 3" gouge just outside old boiler room door in hallway

- e. 35 linear feet Aerocell pipewrap, 4 elbows in crawlspace under the media center.

Area #2 - 1949

- f. 95 linear feet of pipe wrap with 35 elbows in old storage area (now called Music Room) in the basement.

Area #3 - 1949

- g. 23 linear feet Aerocell pipewrap in south end 7 elbows in the Title I Room
- h. 3 lines Aerocell pipewrap, 12 linear feet under the stairway by the circulation pump.
- i. 300 linear feet Aerocell pipewrap and 55 elbows found under the gym in the crawlspace and kindergarten room.

**MISCELLANEOUS MATERIAL**

- 2. FLOOR TILE:** 15,717 sq ft, floor tile non-friable assumed ACM, throughout the building.

**ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED  
ACM UNLESS OTHER WISE STATED**



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Third 3-Year Reinspection

**Administration Building**

MISCELLANEOUS MATERIAL

1. **FLOOR TILE:** 153 sq ft 9 x 9 floor tile, non-friable assumed ACM, in kitchen area
2. **FLOOR TILE:** 120 sq ft 9 x 9 floor tile, non-friable assumed ACM in records storage room

**Warehouse**

THERMAL SYSTEMS INSULATION

1. **PIPEWRAP AND ELBOWS:** 20 linear feet Aerocell pipewrap non-friable assumed ACM, with one elbow by the restroom door.

**Green Meadows School (Storage)**

THERMAL SYSTEMS INSULATION

1. **BOILER COVER:** 180 sq ft boiler jacket, non-friable assumed ACM, in boiler room was listed in last inspection. This material could not be located.
2. **PIPE WRAP AND ELBOWS:** 250 linear feet Pipewrap, 65 elbows, non-friable assumed ACM, in boiler room and tunnels.

MISCELLANEOUS MATERIAL

3. **FLOOR TILE:** 6,000 sq ft floor tile, non-friable assumed ACM, Throughout the building.

**Cass Street Warehouse**

Note: The district just purchased this building for use as a bus repair shop and a shipping and receiving station. The interior walls and ceiling are covered with styrofoam as this was previously used for cold storage.

MISCELLANEOUS MATERIAL

1. **CEILING TILE:** 250 sq ft of 2x2 lay in ceiling tile located in office and bathrooms is assumed ACM, non-friable.
2. **CEILING TILE:** 250 sq ft of 9x9 glue on ceiling tile located in receiving room on North side of building is assumed ACM, non-friable.

ALL FIRE DOORS\*\*FIRE BRICKS\*\*THERMAL SYSTEM GASKETS ARE ASSUMED ACM  
UNLESS OTHER WISE STATED





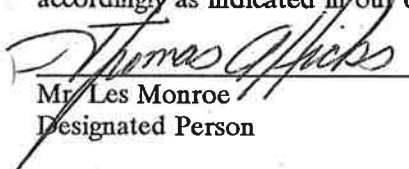
16  
Third 3-Year Reinspection

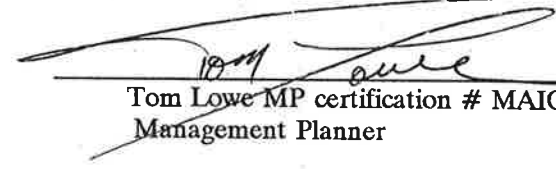
There were no new recommendations for the following buildings:

Junior High  
Bentley Elementary  
Central Elementary  
Lincoln Elementary  
Roosevelt Elementary  
Administration Building  
Warehouse  
Green Meadows School (Storage)  
Cass Street Warehouse

Additional Comments: There may be unknown and unidentified ACM located behind barriers. It is our recommendation to have your Designated Person on the site when demolition occurs.

I, as the Designated Person, have read the recommendations, checked the appropriate boxes and responded accordingly as indicated in our opening paragraph.

 4-3-97  
Mr. Les Monroe Date  
Designated Person

  
Tom Lowe MP certification # MAIC 0836  
Management Planner



**D.J. Buschini**  
**Independent Consulting Service**

July 15th, 2000

Mr. Dan Hock  
Director of Operations

4/2000

Dear Dan:

*In Part of your Districts Three-Year asbestos re-inspection you requested an overview of the current Management Plan and a written report of my findings.*

*The following report is an evaluation of the Owosso Public Schools, Asbestos Management Plan.*

*I could find no Section on "Record Keeping" while there are records of asbestos activities such as small scale abatements, one had to dig and paw through several notebooks to make any sense of how, when and where the activities took place.*

*I have created for your District a New three-ring notebook wherein all records should be kept. This record keeping notebook should contain current and up to date records of every procedure taken with respect to any and all activities involving asbestos*

*Information this book should contain is as follows:*

- *Annual Asbestos Notifications (including a copy of how an actual notification is provided to all district employees, students, organizations, staff, etc.)*
- *Six Month Periodic Surveillance Reports*
- *Three Year Re-Inspections*
- *All employee training records*
- *Contractor Notification records*
- *All abatement activities records including air clearance monitoring reports and disposal records.*
- *All "Small Scale Short Duration" activities records.*
- *All Air Monitoring Records.*

*When this Record Keeping Book is filled out with all current records. It should be kept current by the districts "Designated Person". Their name and telephone number to where they can be reached should also be*



*published so anyone can have access to information as required.*

*Taking this step in completing this Record book will provide the district with information A.H.E.R.A. requires as well as reduce the district liability.*

*The following pages of this evaluation will in more detail explain what was deficient in my evaluation of the current Management Plan.*

*If you have any questions as to my findings, please do not hesitate to contact me.*

*D.J. Buschini*  
D.J. Buschini



July 15th, 2000

Mr. Dan Hock  
Director of Operations

*The following are deficiencies I found in evaluation of the current Owosso Management Plan.*

- *No Six-Month periodic Surveillance reports could be found after 1998*
- *No copies of Annual Notifications after 1998 could be found*
- *No employee training could be found after Gary Moore's training on 11/10/1997*
- *The district currently names someone other than Larry Audit as the "Designated Person" (this must be named by Board Resolution)*
- *There is NO record of any outside contractor ever being notified of the presence of asbestos in the districts facilities.*
- *No records exist of how the district disposes of any asbestos from small-scale short duration activities. Including the land fills receipt to the district.*
- *Current Management Plans that are located in each building are not up to date.*
- *No evidence was found of an Inspection of the districts "Warehouse/Transportation facility.*

### *Recommendations:*

*When you developed this New Record Keeping Notebook, it should be copied and sent out to each building and then kept current.*

*When the district removes carpet over floor tile it must remember if more than three square feet are damaged then this project must be treated as a floor tile abatement project.*

*Update the employee training record keeping section. (I spoke with a new*





*employee in an elementary building that is a recent hire and he indicated he had received the two-hour training yet the records indicate the last employee trained was in 1997.*

*An inspection should take place of the districts warehouse facility. While the structure appeared to be simple wood frame, concrete construction, it had also been sprayed with insulation on the walls. Without testing this material it must be assumed as asbestos. And a full A.H.E.R.A building inspection and management plan developed for this building.*

*The district is currently removing floor tile from the High School media center. As a precaution I recommend taking air samples, "Befor, During removal and after" to prove no asbestos fiber release took place.*



**A.H.E.R.A. THREE YEAR ASBESTOS  
RE-INSPECTION  
OWOSSO PUBLIC SCHOOLS  
1405 NORTH STREET  
OWOSSO, MICHIGAN 48867**

*July 10th, 2000*

*As required per the federal Asbestos Hazard Emergency Response Act (AHERA) all local education agencies must be re-inspected for all, known and assumed, friable and non-friable asbestos containing building material.*

*The districts current Management Plan served as the guide for this re-inspection that took place on July 10th, 2000. The re-inspection reflects what was observed on that day.*

*The re-inspection was performed by Donald J. Buschini a certified Asbestos Inspector, license number 18953 exp.7\24\2001.*

*The district provided Maintenance Supervisor, John Snyder to facilitate the inspector during the re-inspection.*

**LINCOLN ELEMENTARY-ADMINISTRATION:**

*(This building no longer serves as an elementary)*

*All remaining asbestos is in good condition, however the management plan should be changed to reflect the kitchen area contains approximately 100 square feet of floor tile and not 70 feet*

**ROOSEVELT ELEMENTARY:**

*Sprayed on ceiling material is not listed in the current Management Plan and must be then assumed as asbestos material as no indication of proof it is not was found. This ceiling material is located in the 1950's section of the building. This ceiling shows minor damage. Testing is recommended as it a low ceiling and at some point will require maintenance such as painting and should be treated accordingly from the testing results. All remaining asbestos is in good condition.*

**ADMINISTRATION BUILDING:**

*The furnace room did not list approximately 10 elbows that must be assumed as asbestos containing material as no testing could be found to prove they are non asbestos.*

*This site under the 1997 re-inspection report listed a "warehouse" present as well. This inspector could not locate that structure.*



### **OWOSSO HIGH SCHOOL:**

*There were supplies and a hose stored on pipes located in the boiler room and should be removed so damage could not take place.*

*At this building I spoke with the building secretary to ask for buildings Management Plan. She provided this plan as required by law.*

*However the following deficiencies were noted:*

- *The last periodic surveillance took place on 7/25/1995*
- *No evidence was found of the annual notification*
- *No evidence of contractor notifications was available.*

### **JUNIOR HIGH SCHOOL:**

*There was ceiling tile missing in the lower cafeteria hall. This exposed the glue used to install the tile and might contain asbestos. Missing tile should be replaced as soon as possible.*

*The header pipe leading to the hot water storage tank was leaking and causing damage to the asbestos wrap below the tank.*

*No warning labels were evident leading to the air handling room.*

### **BRYANT ELEMENTARY:**

*A pipe leading to the kiln room located in the Hosts room was damaged.*

### **BENTLY ELEMENTARY:**

*All remaining asbestos is in good condition.*

### **CENTRAL ELEMENTARY:**

*There was firebrick stored against the wall that appeared to contain fiber, and should be removed and disposed of.*

*The overhead pipes in the storage room shows minor cuts and should be sealed.*

*Floor tile damage to room 204 on the north wall under the blackboard.*

*Approximately 4 square feet.*

### **EMERSON ELEMENTARY:**

*All remaining asbestos appears in good condition.*



**CASS STREET WAREHOUSE / TRANSPORTATION:**

*There was no management plan for this facility. The sprayed on material should be researched to see if records indicate it is non-asbestos containing. If no records can be conclusive then testing should be performed for several reasons, as this material is also suspect of containing formaldehyde.*

**WASHINGTON ELEMENTARY:**

*No warning labels were present in the boiler room.*

*In conclusion, all remaining asbestos was found on this day to be in good condition unless otherwise noted. The district should manage asbestos in place, and monitor as required the condition of remaining asbestos. As well as repair, Encapsulate, and or remove as necessary any damaged asbestos.*





**Asbestos Environmental  
Consulting and  
Training of Michigan**

13792 Sharon Rd.  
Chesaning, MI 48616-0095  
989-845-6204  
989-845-6207 Fax  
313-530-7994 Mobile  
KLFesler@centurytel.net

July 1, 2003

Mr. Dan Hock  
Director of Operations  
Owosso Public Schools  
1405 North St.  
Owosso, MI 48867

5/2003

RE: 3 Year Asbestos Reinspection

Mr. Hock

The AHERA 3-year reinspection report for Owosso Public Schools required by 40 CFR 763.85(b) is forwarded for your information and coordination.

These documents, when filed in the current management plan will bring the plan up to date. The following is a breakdown of the forms provided for each building.

2003 Reinspection report listing findings, comments and recommendations by building inspector.

SRF #1 Information extracted from previous management plans.

Please be advised that in reviewing your AHERA Management Plan I could not find the following:

- ▶ 6 month periodic surveillance reports after 1998
- ▶ No copies of asbestos removal notifications after 1998
- ▶ No air monitoring records for asbestos removal activities

These documents and activities are required under the AHERA regulations.

Sincerely,

**Asbestos Environmental Consulting and Training of Michigan**



Kevin L. Fesler  
President



**MICHIGAN  
DEPARTMENT of  
COMMUNITY HEALTH**

This is to certify that  
**Kevin Fesler**  
has satisfactorily met the  
statutory requirements for  
**Insp / Risk Assessor**  
MI LHRP No. **P-1410**



Not valid after March 31, 2004

**MICHIGAN  
DEPARTMENT of  
COMMUNITY HEALTH**

This is to certify that  
**Kevin Fesler**  
has satisfactorily met the  
statutory requirements for  
**Pb Supervisor**  
MI LHRP No. **P-1410**



Not valid after March 31, 2004

*State of Michigan*  
Department of Consumer & Industry Services  
**Kevin L. Fesler**  
has satisfactorily met or exceeded the requirements of Section 206  
of the Toxic Substances Control Act to be accredited as an Asbestos  
**Project Designer**

Accreditation Number **A12503**      Expiration Date **03/14/2004**

BSR-OH-270 (6/98)  
Authority: Michigan Public Act 440 of 1988, as amended      **60938**      49021

*State of Michigan*  
Department of Consumer & Industry Services  
**Kevin L. Fesler**  
has satisfactorily met or exceeded the requirements of Michigan  
Public Act 440 of 1988, as amended, to be accredited as an Asbestos  
**Inspector**

Accreditation Number **A12503**      Expiration Date **03/14/2004**

BSR-OH-269 (6/98)  
Authority: Michigan Public Act 440 of 1988, as amended      **21286**      48577

*State of Michigan*  
Department of Consumer & Industry Services  
**Kevin L. Fesler**  
has satisfactorily met or exceeded the requirements of Section 206  
of the Toxic Substances Control Act to be accredited as an Asbestos  
**Contractor/Supervisor**

Accreditation Number **A12503**      Expiration Date **03/14/2004**

BSR-OH-270 (6/98)  
Authority: Michigan Public Act 440 of 1988, as amended      **60564**      48578



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 1 Administration 1405 North St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing material were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1


Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503







**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Administration

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Pipe Joint Insulation	TSI	A	NF	5	Furnace Room	Maintain by O & M
2	Floor Tile 9 x 9 150 ft <sup>2</sup>	MM	Y	NF	5		Maintain by O & M
3	Floor Tile Mastic 150 ft <sup>2</sup>	MM	A	NF	5		Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 2 Bentley Elementary 1375 North St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

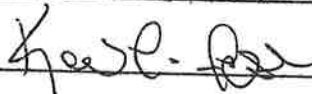
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Bentley Elementary School

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
3	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Floor Tile 9 x 9 10,360 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
5	Floor Tile Mastic 10,360 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
 (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.





AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 3 Bryant Elementary 925 Hampton St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature Kevin L. Fesler

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materials were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503

*Kevin L. Fesler*



**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Bryant Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Boiler Gasket	SM	Y	NF	5	Boiler Room	Maintain by O & M
2	Boiler Insulation	SM	Y	NF	5	Boiler Room	Maintain by O & M
3	Fire Doors	MM	Y	NF	5		Maintain by O & M
4	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
6	Spray On Ceiling 12,200 ft <sup>2</sup>	SM	Y	NF	5	1957 Addition	Maintain by O & M
7	Floor Tile 9 x 9 23,250 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
8	Floor Tile Mastic 23,250 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 4 Central Elementary 600 W. Oliver St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materials were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate





**Assessments or reassessments made of friable material [763.88].**

No Friable asbestos material noted, See SRF 1

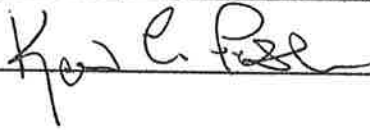
**Comments - observations made by the Inspector:**

Continue Operations and Maintenance program.

**Name, accreditation number and signature of Inspector [763.88(a)(2)].**

Kevin L. Fesler

A12503





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

SA: Owosso Public Schools

Building: Central Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Boiler Gasket	SM	Y	NF	5	Boiler Room	Maintain by O & M
2	Boiler Insulation	SM	Y	NF	5	Boiler Room	Maintain by O & M
3	Fire Doors	MM	Y	NF	5		Maintain by O & M
4	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
6	Floor Tile 9 x 9 13,630 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
7	Floor Tile Mastic 13,630 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

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

) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

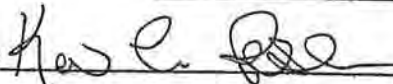
LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 5 Emerson Elementary 515 W. Oliver St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing material were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

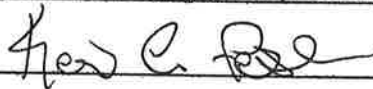
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503







**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Emerson Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Boiler Gasket	SM	Y	NF	5	Boiler Room	Maintain by O & M
2	Boiler Insulation	SM	Y	NF	5	Boiler Room	Maintain by O & M
3	Fire Doors	MM	Y	NF	5		Maintain by O & M
4	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
6	Spray On Ceiling 6,800 ft <sup>2</sup>	SM	Y	NF	5	1957 Addition	Maintain by O & M
7	Floor Tile 9 x 9 22,200 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
8	Floor Tile Mastic 22,200 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 6 High School 765 E. North St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature Kevin L. Fesler

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

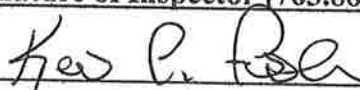
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: High School

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Tank Insulation 340 ft <sup>2</sup>	SM	Y	NF	5	Boiler Room	Maintain by O & M
2	Fire Doors	MM	Y	NF	5		Maintain by O & M
3	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Floor Tile 9 x 9 85,500 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
6	Floor Tile Mastic 85,500 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.





AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 7 Jr. High School 215 N. Water St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature Kevin L. Fesler

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing material were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

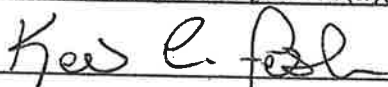
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

SA: Owosso Public Schools

Building: Junior High School

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
3	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Floor Tile 9 x 9 21,000 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
5	Floor Tile Mastic 21,000 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
 (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

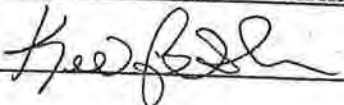
LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Oosso, MI 48867  
Street Number City/State Zip

BLDG: # 8 Lincoln Elementary School 100 S. Michigan St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate





Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**  
 SA: Owosso Public Schools Building: Lincoln Elementary School

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
3	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Floor Tile 9 x 9 100 ft <sup>2</sup>	MM	Y	NF	5	Kitchen	Maintain by O & M
5	Floor Tile Mastic 100 ft <sup>2</sup>	MM	A	NF	5	Kitchen	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
 (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]


LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 9 Roosevelt Elementary School 201 N. Brooks St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

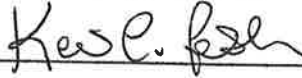
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503







**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools

Building: Roosevelt Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
3	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Spray On Ceiling 6,800 ft <sup>2</sup>	SM	A	NF	5	1957 Addition	Maintain by O & M
5	Floor Tile 9 x 9 3,545 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
6	Floor Tile Mastic 3,545 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
(F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 10 Warehouse 1310 S. Cedar St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature 

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

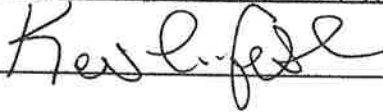
Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**

EA: Owosso Public Schools Building: Warehouse

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
2	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
 (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.





AHERA 3 YEAR  
REINSPECTION REPORT  
[763.85(b)(3)(vii)]

LEA: Owosso Public Schools Date: July 1, 2003

Address: 1405 North St. Ososso, MI 48867  
Street Number City/State Zip

BLDG: # 11 Washington Elementary 645 Alger St. Owosso  
Number, Name, Address if different from LEA

Reinspection performed by Kevin L. Fesler Date: June 16, 2003

Accreditation Number and State A 12503 Michigan

Inspectors Signature Kevin L. Fesler

**Inspectors Findings/Assessments**

Changes noted in the condition of known or assumed ACBM: [763.85]

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

- ( ) Sample location for surfacing materila were determined as per Protocol set forth by Table 2 Publication (EPA 560/5-85-03a Oct. 85) ASBESTOS IN BLDG. SIMPLIFIED SAMPLING SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)
- ( ) Sample locations for bulk sampling for Thermal System Insulation and misc. material were selected at random to insure sufficient numbers were taken to cover square footage of area, but not to damage non-friable material and possibly create a hazard to human health and the environment.
- (x) enter mark as appropriate



Assessments or reassessments made of friable material [763.88].

No Friable asbestos material noted, See SRF 1

Comments - observations made by the Inspector:

Continue Operations and Maintenance program.

Name, accreditation number and signature of Inspector [763.88(a)(2)].

Kevin L. Fesler

A12503





**HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001**  
 EA: Owosso Public Schools Building: Washington Elementary

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y) (N) (Assume)	(F) (NF) (X)	AHERA Asmt Code	Recorded Location	Description of response Actions/Comments
1	Fire Doors	MM	Y	NF	5		Maintain by O & M
2	Tank Insulation	SM	Y	NF	5	Boiler Room	Maintain by O & M
3	Pipe Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
4	Pipe Joint Insulation	TSI	Y	NF	5	Throughout Building	Maintain by O & M
5	Floor Tile 9 x 9 15,720 ft <sup>2</sup>	MM	Y	NF	5	Throughout Building	Maintain by O & M
6	Floor Tile Mastic 15,720 ft <sup>2</sup>	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous  
 (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

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 friable miscellaneous material, 5 = ACBM with the potential for damage, 6 = ACBM with the potential for significant damage, 7 = any remaining friable ACBM or friable suspected ACBM, X = not applicable (Material is non-ACBM or non-friable surfacing or miscellaneous material), None - No assessment category provided in original inspection.



# Asbestos Environmental Consulting and Training of Michigan

13792 Sharon Rd.  
Chesaning, MI 48616-0095  
810-496-1712  
810-496-1714 Fax  
313-530-7994 Mobile  
larrance@centurytel.net

Mr. Dan Hock, Director of Operations  
Owosso Public Schools  
1405 W. North St.  
Owosso, MI 48867

April 11, 2006

**RE: 3 Year reinspection and Management Plan Update, Owosso Public Schools, Owosso, MI. AECTM Project Number: 6021 - A**

Dear Mr. Hock:

In accordance with your request, Asbestos Environmental Consulting and Training of Michigan (AEC) performed an asbestos inspection at the above referenced location on April 6, 2006. The purpose of this inspection was to reinspect your facilities for the condition of asbestos containing materials in accordance with the EPA mandated Asbestos Hazard Emergency Response Act of 1986 (AHERA).

AEC inspected the following buildings:

- Administration
- Warehouse
- Roosevelt Elementary
- Bryant Elementary
- Emerson Elementary
- Bentley Elementary
- Central Elementary
- Lincoln Elementary
- Washington Elementary
- Owosso Junior High School
- Owosso High School

6/2006

The findings are detailed on a building by building basis.

- ✓ Administration Building: Asbestos containing materials were observed to be in good condition.
- ✓ Warehouse: Asbestos containing materials were observed to be in good condition.
- ✓ Roosevelt Elementary: Asbestos containing materials were observed to be in good condition.

Bryant Elementary: Damage observed to asbestos ceiling where new windows were installed in





all classrooms and teachers lounge. AEC recommends continue O and M repair and monitoring for further deterioration.

w/o  
Emerson Elementary: Two boilers have gasket and asbestos insulation exposed due to tear down and repair. These materials should be handled through your O and M program. Room 206 and 207 have badly worn floor tile. Room 207 has wet spots in the asbestos ceiling. These areas should be monitored closely for further damage and be repaired as soon as further damage occurs.

✓ Bentley Elementary: Asbestos containing materials were observed to be in good condition.

✓ Central Elementary: Asbestos containing materials were observed to be in good condition.

✓ Lincoln Elementary: Asbestos containing materials were observed to be in good condition.

✓ Washington Elementary: Asbestos containing materials were observed to be in good condition.

✓ Owosso Junior High School: Asbestos containing materials were observed to be in good condition.

Owosso High School: Asbestos containing materials were observed to be in good condition. All of the pipe insulation in the tunnels has been removed.

The buildings were inspected by Kevin L. Fesler. His Building Inspectors Certificate No. Is A12503. The expiration date is 3/14/07.

This inspection constitutes your management plan update for 2006. Based on these findings your operations and maintenance program should be continued.

The management plan was reviewed by Kevin L. Fesler. His Management Plan License number is A12503. The expiration date is 3/14/07.

If you have any questions or comments please do not hesitate to contact us.

Respectfully Submitted,  
Asbestos Environmental Consulting and Training of Michigan

Kevin L. Fesler, President  
6021-A



**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SIRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Administration Building

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Pipe Joint Insulation	T	Y	NF	5	Basement Furnace Room	Maintain by O& M
2	9" x 9" Floor Tile 150 ft <sup>2</sup>	M	Y	NF	5	Break Room and Janitors Closet	Maintain by O& M
3	9" x 9" Floor Tile Mastic 150 ft <sup>2</sup>	M	Y	NF	5	Break Room and Janitors Closet	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

AHERA Assessment Category: 1 = 1 Damaged or significantly damaged TSI ACBM;  
 2 = Damaged friable surfacing ACBM;  
 3 = Significantly damaged friable surfacing ACBM;  
 4 = Damaged or significantly friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Warehouse

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Pipe Insulation	T	Y	NF	5	Throughout Building	Maintain by O& M
2	Pipe Joint Insulation	T	Y	NF	5	Throughout Building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

AHERA Assessment Category: 1 = 1 Damaged or significantly damaged TSI ACBM;  
 2 = Damaged friable surfacing ACBM;  
 3 = Significantly damaged friable surfacing ACBM;  
 4 = Damaged or significantly friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Roosevelt Building

H.A. No.	Material Description	Mat. Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O&M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O&M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O&M
4	Spray on Ceiling 6,800 ft <sup>2</sup>	S	A	NF	5	1957 Addition	Maintain by O&M
5	9" x 9" Floor Tile 3,545 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O&M
6	9" x 9" Floor Tile Mastic 3,545 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O&M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006





ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Bryant Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Boiler Gasket	M	Y	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	T	Y	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	M	Y	NF	5		Maintain by O& M
4	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
6	Spray on Ceiling 12,200 ft <sup>2</sup>	S	Y	NF	5	1957 Addition	Maintain by O& M
7	9" x 9" Floor Tile 23,500 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
8	9" x 9" Floor Tile Mastic 23,500 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Emerson Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Boiler Gasket	M	Y	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	T	Y	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	M	Y	NF	5		Maintain by O& M
4	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
6	Spray on Ceiling 6,800 ft <sup>2</sup>	S	Y	NF	5	1957 Addition	Maintain by O& M
7	9" x 9" Floor Tile 22,200 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
8	9" x 9" Floor Tile Mastic 22,200 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material  
 Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

AHERA Assessment Category: 1 = 1 Damaged or significantly damaged TSI ACBM;  
 2 = Damaged friable surfacing ACBM;  
 3 = Significantly damaged friable surfacing ACBM;  
 4 = Damaged or significantly friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Foster

Date: April 6, 2006



**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Bentley Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 10,360 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 10,360 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Central Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Boiler Gasket	M	Y	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	T	Y	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	M	Y	NF	5		Maintain by O& M
4	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile 13,630 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
7	9" x 9" Floor Tile Mastic 13,630 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006





**AHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Lincoln Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 100 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 100 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Washington Elementary

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Tank Insulation	T	Y	NF	5	Boiler Room	Maintain by O& M
3	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile 15,720 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile Mastic 15,720 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

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 friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



ASBESTOS REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: Junior High School

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 21,000 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 21,000 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos  
 N = Tested and found not to contain asbestos  
 A = Assumed positive, not tested.

AHERA Assessment Category: 1 = 1 Damaged or significantly damaged TSI ACBM;  
 2 = Damaged friable surfacing ACBM;  
 3 = Significantly damaged friable surfacing ACBM;  
 4 = Damaged or significantly friable miscellaneous material;  
 5 = ACBM with the potential for damage;  
 6 = ACBM with the potential for significant damage;  
 7 = Any remaining friable ACBM or friable suspected ACBM;  
 X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);  
 N = No assessment category provided in original inspection.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006



**ASHERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA**

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools

Building: High School

H.A. No.	Material Description	Mat Cat.	Asbestos (Y)(N)(A)	(F) (NF) (X)	ASHERA Assessment Code	Location	Response Action
1	Fire Doors	M	Y	NF	5		Maintain by O& M
2	Pipe Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	T	Y	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 85,000 ft <sup>2</sup>	M	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 85,000 ft <sup>2</sup>	M	A	NF	5	Throughout building	Maintain by O& M

Material Category: T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos: Y = Tested and found to contain asbestos

N = Tested and found not to contain asbestos

A = Assumed positive, not tested.

ASHERA Assessment Category: 1 = 1 Damaged or significantly damaged TSI ACBM;

2 = Damaged friable surfacing ACBM;

3 = Significantly damaged friable surfacing ACBM;

4 = Damaged or significantly friable miscellaneous material;

5 = ACBM with the potential for damage;

6 = ACBM with the potential for significant damage;

7 = Any remaining friable ACBM or friable suspected ACBM;

X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material);

N = No assessment category provided in original inspection.

Note: HA 2 and 3, TSI. Extensive removal has occurred over the last couple of years. All of the ACM has been removed from the tunnels and the boiler room. The only remaining TSI is on pipelines above the tunnels throughout the building.

Material Extracted by: Kevin L. Fesler

Date: April 6, 2006

