

### 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 room200. 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

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### 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

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### **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

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### **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

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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

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### 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.

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- 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.

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

ASBEST	OS MANAGEMENT PLAN	
	LEA Information	
Local Education Agency (LEA)     OWOSSO PUBLIC SCHOOLS	Name	
2. LEA Address		
Street	City	Zip
645 ALGER ST.	OWOSSO	48867
3. LEA Designated Person		
Last	First	M.I.
носк	DAN	
4. Designated Person Address (If	Different than LEA Address)	
Street	City	Zip
Designated Person Telephone     989-666-0129      Designated Person Training Inf  TEOC DESIGNATED PERSON	omation	

**LEA Name** 

ALL

SB#

**OWOSSO PUBLIC SCHOOLS** 

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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: NIA

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 <u>Designated Person</u> are according to an interpretation of AHERA in general and specifically Subpart E 763.84(g)(2).

Owosso Public Schools	3	(LE	EA) has designated
the following individual to	oe the LEA's <u>Designated</u> P	erson.	
Donald W. Leveille	Dir. of Busines	ss Operations	(517) 723-813 <sub>1</sub>
Name	Title		Tel. no.
P.O. Box 340	Owosso	MI	48867
Address	City	State	Zip
complete a Designated Pe	r Asbestos Abatement erson Course in the n	Safety and He	ealth. Will Has read the
Federal Register dated1( Date(s) attended:		above require	
Conducted by: (include addre	ss)		3

### 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 <u>Designated Person</u>, 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. Levalle Dir. of Bisiness opentions 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

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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

come to Man? "The ex merge as received High to the form the great the power's bacomes cross of Shall man to these shall believe in Mis manue," Johns Life Twent in Him and Ha will seen you I mounded been to charge what Christ has done in ony His. Manning in this shart has seen in the secret thing form the first has seen things from the secret thing for the secret things and the secret things and the secret things are not the secret things and the secret things are not things and the secret things are not things are not things are not the secret things are not

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, 0 & M, and training (form 93H)).

Don Leveille

date

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### **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	X			
3. Friable Material Assumed to be	e ACM 🔲 4. Non-Friable Materia	al Assumed			
	to be ACM	X			
5. None of the Above					
	School Building Name				
2	BRYANT ELEMENTARY SCHOOL	JL			
Building Address					
Street	City	Zip			
925 HAMPTON ST.	OWOSSO	48867			
Building Contains:					
1. Friable ACBM	☐ 2. Non-Friable ACBM	$\boxtimes$			
3. Friable Material Assumed to be		al Assumed			
	to be ACM	<b>X</b>			
5. None of the Above					

	*		

EΑ	Name	

### OWOSSO PUBLIC SCHOOLS

### **Building Summary**

SB#	School E	Building	Name			
3	CEN.	CENTRAL ELEMENTARY SCHOOL				
Building Address						
Street		()	City	Zip		
600 W. OLIVER ST.	OWO	SSO		48867		
Building Contains:						
1. Friable ACBM		<b>2</b> .	Non-Friable ACBM			
3. Friable Material Assumed to be	e ACM	4.	Non-Friable Material	Assumed		
			to be ACM	X		
5. None of the Above						
SB#	School I	Building	Name			
4	EMER	SON EL	EMENTARY SCHOO	)L		
Building Address						
Street		City		Zip		
515 E. OLIVER ST.	OW	osso/		48867		
Building Contains:						
1. Friable ACBM		<b>△</b> 2.	Non-Friable ACBM	$\square$		
3. Friable Material Assumed to be	e ACM					
			to be ACM	$\mathbf{k}$		
5. None of the Above						

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**OWOSSO PUBLIC SCHOOLS** 

SB#	SB# School Building Name					
5	ROO	SEVELT	ΓEARLY ELEMENTA	RY SCHOOL		
Building Address						
Street			City	Zip		
201 N. BROOKS ST.	owo	sso		48867		
Building Contains:						
1. Friable ACBM		<b>2</b> 2.	Non-Friable ACBM	×		
3. Friable Material Assumed to be	e ACM	□ 4.	Non-Friable Material	Assumed		
			to be ACM	X		
5. None of the Above						
SB#	School E	Building	Name			
6			V/LINCOLN/ADMIN.	SCHOOLS		
Building Address						
Street		City		Zip		
515 E. OLIVER ST.	OW	osso		48867		
Building Contains:						
1. Friable ACBM		□ 2.	Non-Friable ACBM	X		
3. Friable Material Assumed to be	e ACM	_	Non-Friable Material	Assumed		
			to be ACM			
5. None of the Above						

Ļ	LEA Name	
I	OWOSSO PUBLIC SCHOOLS	

SB# School Building Name							
7	7 OWOSSO MIDDLE SCHOOL						
Building Address							
Street	City	Zip					
219 WATER ST.	OWOSSO	48867					
Building Contains:							
1. Friable ACBM	2. Non-Friable ACBM	ı 🛚 🖾					
3. Friable Material Assumed to be	ACM 🔲 4. Non-Friable Materi	al 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 Materi	al Assumed					
	to be ACM						
5. None of the Above		<del></del>					

### **LEA Name**

**OWOSSO PUBLIC SCHOOLS** 

SB#	B# School Building Name					
9	OLD.	OLD ADMINISTRATION/STORAGE BUILDING				
Building Address						
Street			City	Zip		
1405 W. NORTH ST.	owo			48867		
Building Contains:						
1. Friable ACBM		<b>X</b> 2.	Non-Friable ACBM	X		
3. Friable Material Assumed to be	e ACM	□ 4.	Non-Friable Material	Assumed		
			to be ACM			
5. None of the Above						
SB#	School E	Building	Name			
10	CEDA	R ST. M	AINTENANCE/WARE	EHOUSE		
Building Address				<u> </u>		
Street		City		Zip		
1310 CEDAR ST.	OW	OSSO		48867		
Building Contains:						
1. Friable ACBM		<b>Z</b> 2.	Non-Friable ACBM			
3. Friable Material Assumed to be	e ACM	□ 4.	Non-Friable Material	Assumed		
5. None of the Above		П	to be ACM			
o. Itoho of the Above		لسبا				

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LEA	Name
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**OWOSSO PUBLIC SCHOOLS** 

SB#	School Building Name				
11	TRANSPO	RTATION CENTER/BU	IS 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	Non-Friable Materia	l Assumed		
		to be ACM			
5. None of the Above					
SB#	School Buildir	g Name			
12	VEHICLE RI	PAIR/WAREHOUSE			
Building Address					
Street	Cit		Zip		
208 CASS ST.	OWOSS	)	48867		
Building Contains:					
1. Friable ACBM		2. Non-Friable ACBM			
3. Friable Material Assumed to be		Non-Friable Materia	 I Assumed		
		to be ACM	<b>K</b>		
5. None of the Above					

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**LEA Name** 

**OWOSSO PUBLIC SCHOOLS** 

SB#	B# School Building Name					
13		WILLMAN FIELD				
Building Address						
Street		(	City	Zip		
630 JEROME ST.	owc	SSO		48867		
Building Contains:						
1. Friable ACBM		□ 2.	Non-Friable ACBM			
3. Friable Material Assumed to be	e ACM	□ 4.	Non-Friable Material	Assumed		
			to be ACM			
5. None of the Above						
SB#	School	Building	Name			
5						
Building Address				-		
Street		City		Zip		
Building Contains:						
1. Friable ACBM		□ 2.	Non-Friable ACBM			
3. Friable Material Assumed to be	e ACM	_	Non-Friable Material	Assumed		
			to be ACM			
5. None of the Above						

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**OWOSSO PUBLIC SCHOOLS** 

### **Notification Procedures**

SB#(s) Covered
ALL
Ni-Personal Property in the Control of the Control
Notification Procedures
OWOSSO PUBLIC SCHOOLS SENDS THE NOTIFICATION OUT IN THE SCHO NEWSLETTER AND/OR ARTICLE IN THE OWOSSO PAPER
N <sub>F</sub>

		,	

**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

AUAICABCE IN

MANAGEMENT PLAN

ADMIN. OFFICE

			as a	

	LEA Name	
	OWOSSO PUBLIC SCHOOL	-9
	SB#	
	ALL	
!	ALL	
Inspector a	and Building Data	× e
Date of Inspection		
FEBRUARY 1988		
2. Inspector Name		
Last	First	M.l
TANNER	TIM	
3. Inspector Signature		Date
SEE ATTACHED		FEB 1988
4. State of Accreditation	_	
MI		
5. Accreditation Number	1	
B1031	J	
6. Building Name		
ALL		
7. Building Address		
Street	City	Zip
SEE ATTACHED		
8. Local Education Agency (LEA) Name		
OWOSSO PUBLIC SCHOOLS		
OWOSSO FUBLIC SCHOOLS		
9. LEA Address		(8)
Street	City	Zip
645 ALGER ST.	owosso	48879
	× <del></del>	

### 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

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# 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

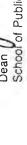
BUILDING INSPECTION

and Successfully Passed the Competency Exam

JANUARY 7, 1988 **JANUARY 7, 1989** Date of Expiration Date of Issuance

Continuing Education

Dean / School of Public Health



The University of Illinois at Chicago

School of Public Health

# MIDWEST ASBESTOS INFORMATION CENT



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

Mucation and Public Services

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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

President, Nova Environmental, Inc.

Instructor

LEA Name	20110010
OWOSSO PUBLIC S	SCHOOLS
SB#	
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# **Homogeneous Area Report**

Homogeneous Area (HA) Name	HA#	F/NF	K/A/N	Classificatio n SM/TSI/MM	Size SF/LF
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# **Sampling Log**

HA#	Sample #	Sample Date	Analysis Date	Analysis Results
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Note: Attach Copies of Analysis Reports

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THE PINK BOOK WAS USED AS A FRA SAMPLING - CLASS CONTENT ALSO	MEWORK FOR RANDO	M DISTRIBUTION
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State of Accreditation MI		
Accreditation Number B1030		

**LEA Name** 

OWOSSO PUBLIC SCHOOLS

<u>LE</u>	A Name OWOSSO PUBLIC SCHOOLS
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Exact Sample Location	
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Exact Sample Location	
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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 Elementry 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:
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.

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All PW and El 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 El, AS-ACM, NF GC except: \* - 1 pipe and El behind boiler #2 repair \* - 1 open tee above boiler #2 repair or remove --- gr troweled-on plaster celling, 400 sq ft, SUSACM, NF GC, OCEB-36 Janitor Office/Storage Area --- 300 sq ft gr troweled-on celling, SUSACM, NF, GC, Sample OCEB-37 Crawlspace South There is 400 lin ft of PW AS-ACN, NF,GC \* --- 5 boxes @12 ACPW stored here AS-ACM, Fr, Remove or enclose \* --- 25 open ends PW & El, AS-ACM Fr, encapsulate Crawlspace North There is:295 lin ft of PW,AS-ACM,NF GC \* --- i8 open ends PW & El,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 El AS-ACM, NF, GC, except: \* - PC by boys rr, 21 El & 25 lin ft ACPW, w/5 El needing repair, Fr \* - PC by girls rr, 5 El & 20 lin ft PW encapsulate ends \* - Stage area S. air handling unit, 1 large El 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 hallwy 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

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# 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 doorwy 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 & El AS-ACM, NF, GC, all running above the ceiling. Check map: Boys and girls PC each have 15 El, 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

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### FLOOR TILE INFORMATION SHEET

Trust Inermal 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 <u>not</u> 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

12" Tile Sq. Ft. 3450

12 x 6 Tile Sq. Ft. 11660

S. & E. Entrance Kitchen.

Room 4, 5, 6, 7, 8

Poom 101, 102, 103, 104, 105, 106 Room 201, 202, 203, 204, 205, 206,

Total Sq. Ft. 13646

207 & 208

H.L. Office

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

Room 103, 104, 106, 107, 108, 109

9" Tile Sq. Ft. First Floor 7766 9" Tile Sq. Ft. Second Floor 5880 Room 201, 202, 203, 205, 206, 207,

110, 111, 112, 115 208, 209, & Lange

Kitchen

Storage Office

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

9" Tile Sq. Ft. 22794

12" Tile Sq. Ft. 464

21 Classrooms

Kitchen

Room 121, 133, 103, 110

Storage Room by Media Center

Large, Office, Large Other Laurge, 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, Lourge

Building: Owosso Junior High, 219 N. Water, Owosso, MI 48867 9" Tile Sq. Ft. 8262 12" Tile Sq. Ft. 12740

Art Room, Kitchen, Band Room Room 201, 202, 205, & 206

Maintenance Room, Boys Locker Room, Room 20, Madia Office Large, Roam 11, Sick Roam, Roam 111, 118, 119, 203, 204, 209

212, 301, 304, 305, 306, 307, 309

### FLOOR TILE INFORMATION SHEET

Trust Inermal Systems, 10445 Wright Road, Eagle, Michigan 48822

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: 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 Ream 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111,

112, Storage, 2 Conf Rooms

200 Wing-15560 Room 202, 203, 204, 205, 206, 207, 208 209, 210, 211, 212, 214, 215, 219, 220 YWYAKAMAY

221, Storage, Bookstore & Storage

300 Wing-13368

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

400 Wing-11524

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

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

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 Inermal 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 Poom

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:

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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 15 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.

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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.

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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.) I WAS LABOUR THE PARTY OF A TIEST

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). TOWN THE WOOD FILLED IN

Building: Roosevelt Elementary

4 Fire doors in basement on boiler room and custodial rooms. All are wood doors covered with metal.

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# Hurthing: Washington Elementary

3 Fire doors on boiler room

1 was a constructed wood filled metal door and

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

Building: Owosso High School

> 7 Fire doors Pioneer Fire proof door rated 15 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.

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Building: Warehouse Building

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

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### 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 15 hrs. B and 3/4 hrs. C. per the following list.

## 1 3 hours B

308 Custodial (5) 205 202 Old Stairwell Stage (2) Band Storage Band Exit 121 Kitchen (2) 1 la " 112 (2) 113 (3) 114 (5) W. Bath (2) 116 19 (2) 21 22 23 (2) Tunnel

24 (8)

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Filter Room

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

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# 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 PipewraW 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

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

Please identify all locations in each building by room number and/orarea 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
La 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.

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3 Fire doors on boiler room

l was a constructed wood filled metal door and 2 are Philips Mfg. Co. wood filled metal doors.

Ruilding: Owosso High School
7 Fire doors Pioneer Fire proof door rated 14 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.

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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 15 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 15 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.

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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 14 hrs.

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# 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 15 hrs. B and 3/4 hrs. C.

# 1 hours B

# 308 Custodial (5) 205 202 Old Stairwell Stage (2) Band Storage Band Exit 121 Kitchen (2) 112 (2) 113 (3) 114 (5) W. Bath (2) 116 19 (2) 2.1 22 23 (2) Tunnel 24 (8) Filter Room 27 Boiler Room

## 3/4 hours C

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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
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# 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 condtion, NF. There was also 320 square feet of Gold Brand Fire Rated drdywall 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 condtion, 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.

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# 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 condtion, 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 condtion, 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 condtion, NF.

### LINCOLN ELEMENTARY

--200 square feet of drywall in the first floor boy's bathroom was sampled (OLD D-20). It was in good condtion, 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 condtion, NF.
- --200 square feet of drywall in Rm 4 was sampled (OWS D-9). It was in good condtion, NF.

### **WAREHOUSE**

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

### OWOSSO PUBLIC SCHOOLS CRILING 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	2 ×
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	iv.
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

accreditation #

Kalamazoo

AHERA Inspector:

James E. Rose 10445 Wright Rd. Eagle, MI 48822

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### OWOSSO PUBLIC SCHOOLS CRILING 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 condtion, 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 condtion 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 condtion but by the nature of ceiling tile was friable.

#### CENTRAL KLEMENTARY

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 KLEMENTARY

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 condtion 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 condtion 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.

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# 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 condtion 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.

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	LEA Name		
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Haza	rd Assessment		
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2. Inspector Signature		D	ate
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3. State of Accreditation	_		
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4. Accreditation Number			
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41 7 40 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
HA#			
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Hazard Assessment Classification			
SEE ATTACHED			
December 6 - Olympia			
Reason for Classifications		-1115	
MET THE DEFINITION FOR RES	PONSE ACTION		
	ONSE ACTION		
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## 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.

- 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,
- 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 Rlementary 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,

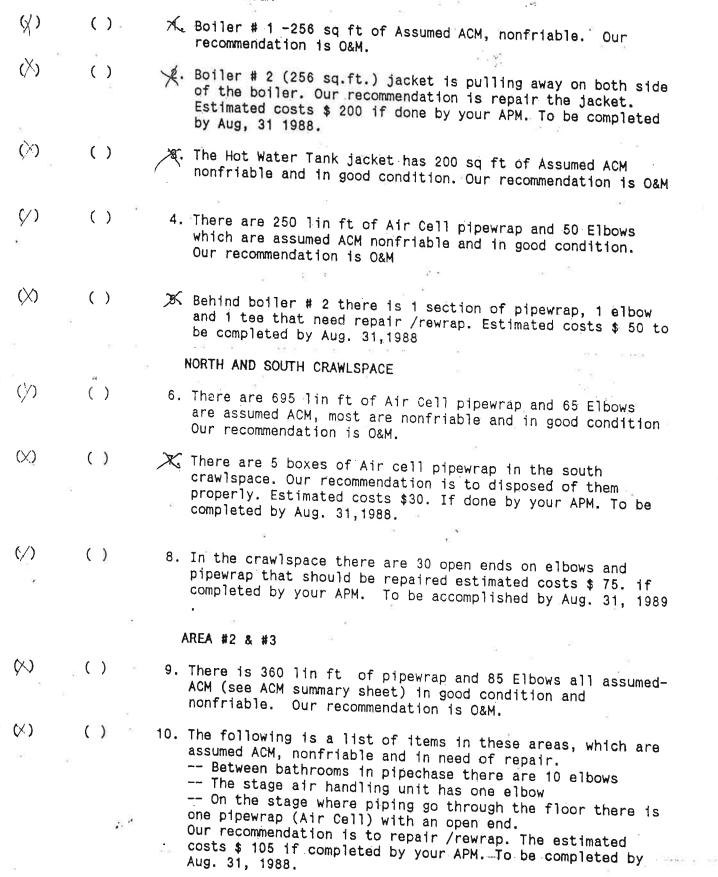
  Washington Elementary Item 2, 3, 5, 7,

## IN ALL BUILDINGS:

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

## CENTRAL ELEMENTARY SCHOOL

## BOILER ROOM



		<b>3</b> 1	

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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.

Vim Tanner	11852	5-4-8
Tim Tanner	cert. #	date

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

Donald W. Leveille date

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## CENTRAL ELEMENTARY SCHOOL

AGREE	DISAGREE	BOILER ROOM	
( )	. ( <del>\)</del>	1. Boiler # 1 -256 sq ft of Assumed ACM, nonfriable. Our recommendation is O&M.	
( )	<b>⊗</b>	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.	
( )	$\otimes$	3. The Hot Water Tank jacket has 200 sq ft of Assumed ACM nonfriable and in good condition. Our recommendation is O&M	e Se:
( )		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	¥1
		The state of the s	
(, )	<b>∞</b>	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	
5	er at	NORTH AND SOUTH CRAWLSPACE	
(⋉)		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.	
( )	≪)	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.	ė
	1 8 86 W		
( ) = 2	—————————————————————————————————————	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	
$\bowtie$	(-)	9. There is 360 lin ft of pipewrap and 85 Elbows all assumed-ACM (see ACM summary sheet) in good condition and	
	1 At	nonfriable. Our recommendation is O&M.	
*( )	(★)	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	·

### 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

- () 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.
- () 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 0 & 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.

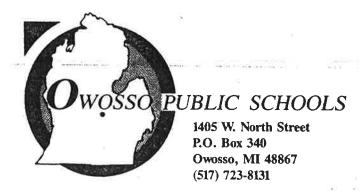
I, as the Designated Person, have read the recommendations, considered that the LEA has the financial resources needed to accomplish the recommendations (includes reinspection and training (form 93H)), checked the appropriate boxes, and responded accordingly as per your opening paragraph.

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Don Jaune		00852			
Tim Tanner		cert. #	. (	date	
	12	E 10			**

Donald W. Leveille

2-21-89 date

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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

Date

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LEA Name		
OWOSSO PU	BLIC SCHOOLS	
SB#		
ALL		

## **Building Description**

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## Owosso Public School District Property Summary

Bentley Elementary School 1375 W. North Street		#floors / S.F.	Acreage	Info.
Owosso, MI	1969	1 / 16,780	12.8	2 – Portable Classroom on site
Bryant Elementary School 925 Hampton Street Owosso, Michigan	1950 & 1957	1 / 56,876	23.0	1 – Portable Classroom on site
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
Roosevelt Early Elementary School 201 N. Brooks Street Owosso, Michigan	1924 & 1956	1 / 8,920	2.9	Partial basement
Washington Elementary School 645 Alger Avenue Owosso, Michigan	1924 /1934 & 1949	2 / 55,656	3.2	Basement and 1- Portable Classroom
Owosso Middle School 219 Water Street Owosso, Michigan	1928 / 1950 & 1973	3 / 121,900	4.5	
Owosso High School 765 E. North Street Owosso, Michigan	1961	1 / 253,900	85.0	
Lincoln Alternative High School 120 Michigan Avenue Owosso, Michigan	1915	2 / 19,800	0.71	
Administration Building 1405 W. North Street Owosso, Michigan	1969	1 / 2,040	?	Basement
Cedar Street Maint. /Warehouse 1310 Cedar Street Owosso, Michigan	1973	1 / 7,200	8.64	
Transportation Center / Bus Garage 630 Jerome Street Owosso, Michigan	1963	1 / 5,758	?	
Vehicle Repair / Warehouse 208 Cass Street Owosso, Michigan	Unknown	1 / 13,070	24	
Willman Field 630 Jerome Avenue Owosso, Michigan	1930's	13100	5.44	Press Box and Restrooms
	Owosso, Michigan Central Elementary School 600 W. Oliver Street Owosso, Michigan Emerson Elementary School 515 E. Oliver Street Owosso, Michigan Roosevelt Early Elementary School 201 N. Brooks Street Owosso, Michigan Washington Elementary School 645 Alger Avenue Owosso, Michigan Owosso Middle School 219 Water Street Owosso, Michigan Owosso High School 765 E. North Street Owosso, Michigan Lincoln Alternative High School 120 Michigan Avenue Owosso, Michigan Administration Building 1405 W. North Street Owosso, Michigan Cedar Street Maint. /Warehouse 1310 Cedar Street Owosso, Michigan Transportation Center / Bus Garage 630 Jerome Street Owosso, Michigan Vehicle Repair / Warehouse 208 Cass Street Owosso, Michigan Willman Field 630 Jerome Avenue	Owosso, Michigan Central Elementary School 600 W. Oliver Street Owosso, Michigan Emerson Elementary School 515 E. Oliver Street Owosso, Michigan Roosevelt Early Elementary School 201 N. Brooks Street Owosso, Michigan Washington Elementary School 645 Alger Avenue Owosso Michigan Owosso Middle School 219 Water Street Owosso, Michigan Owosso High School 765 E. North Street Owosso, Michigan Lincoln Alternative High School 120 Michigan Avenue Owosso, Michigan Administration Building 1405 W. North Street Owosso, Michigan Cedar Street Maint. /Warehouse 1310 Cedar Street Owosso, Michigan Transportation Center / Bus Garage 630 Jerome Street Owosso, Michigan Vehicle Repair / Warehouse 208 Cass Street Owosso, Michigan Willman Field 630 Jerome Avenue	Owosso, Michigan         1957           Central Elementary School         1950         2 / 43,170           600 W. Oliver Street         000000000000000000000000000000000000	Owosso, Michigan         1957           Central Elementary School         1950         2 / 43,170         3.7           600 W. Oliver Street         0         2 / 43,170         3.7           Emerson Elementary School         1928         2 / 49,930         2.9           Emerson Elementary School         1957         2.9           Roosevelt Early Elementary School         1924         1 / 8,920         2.9           201 N. Brooks Street         &         0         2.9           Owosso, Michigan         1956         3.2         2.9           Washington Elementary School         1924 / 1934         2 / 55,656         3.2           645 Alger Avenue         &         0         3 / 121,900         4.5           Owosso, Michigan         1949         3 / 121,900         4.5           219 Water Street         &         0         3 / 121,900         4.5           Owosso, Michigan         1973         1 / 253,900         85.0           765 E. North Street         0         1961         1 / 253,900         85.0           Owosso, Michigan         1915         2 / 19,800         0.71           120 Michigan Avenue         0         0         7           Owosso, Michigan<

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## Owosso Public School District Property Summary

Facility Name Address	Age	Building Size #floors / S.F.	Site Acreage	Misc. Info.
Green Meadows Property & Fields 1997 N. M-52 Owosso, Michigan	?	?	?	5 E
Waugh Road Property Kiwanis Acres Waugh Road Owosso, Michigan	-	?	Parcel #1 27.27 Parcel #2 22.96	, and the second
Delany Road Property 100 Blk. of N. Delany Rd. Owosso, Michigan	-	-	35.74	10
Property Near High School	-	-	80 +/-?	

LEA Name	
OWOSSO PUBLIC SCHOOLS	
SB#	

# **Laboratory Information**

1. Laboratory Name			
VARIOUS LABS USED - SEE AT	TACHED		
2. Laboratory Address			
Street	City	State	Zip
			T 219
3. Analyst Name	i.		5
Last		First	MI
SEE ATTACHED		1 1131	M.I.
Analyst Signature			Date
5. Applicable Requirements Stateme	ent		
LABORATORIES ME	ET THE REQUIREMEN	TS OF 763.87	a
			*

	LEA Name		
	OWOSSO P	UBLIC SCHO	OLS
	SB# ALL		
Reco	mmendations		
Management Planner Name	2		
Last		First	M.1.
TANNER	TIM		
2. Management Planner Signature			Date
SEE ATTACHED			MAR 1988
3. State of Accreditation MI		s	1.0 5.45
4. Accreditation Number		25	
B1030			
5. Recommendations			
SEE ATTACHED			
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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

LEA Name

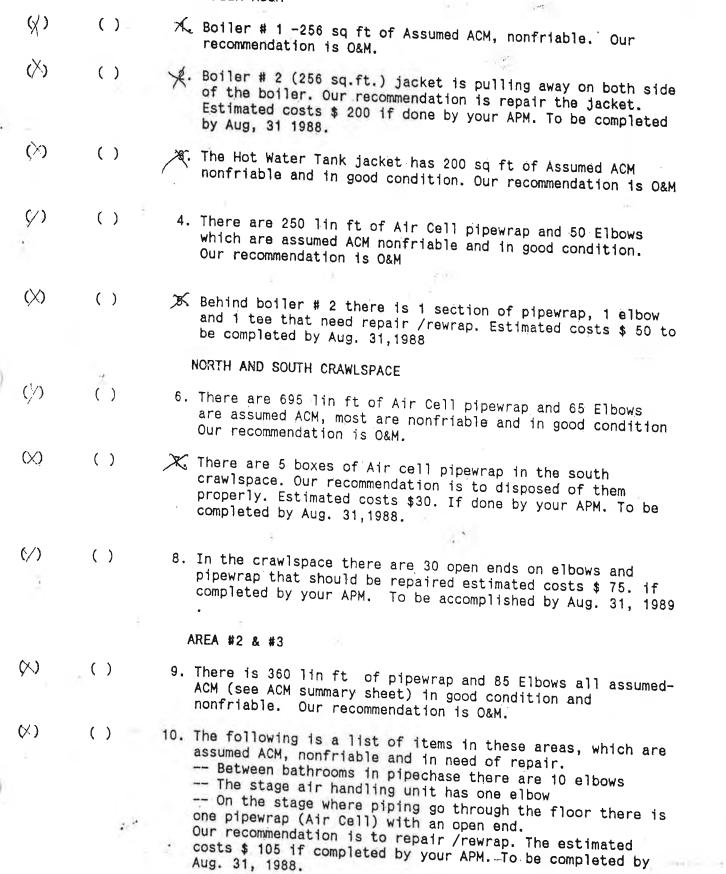
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OWOSSO PUBLIC SCHOOLS

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## CENTRAL ELEMENTARY SCHOOL

#### BOILER ROOM



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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.

Vin Vanner
Tim Tanner

11852 cert #

5-9-68 date

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

Donald W. Leveille

date

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	LEA Name OWOSSO PUBLIC SCHO SB# ALL	OLS				
Personnel Accreditation Statement						
LEA Designated Person Name						
Last	First	M.I.				
HOCK	DAN					
2. LEA Designated Person Signature		Date				
Accreditation Statement		-				
ALL PERSONS WHO PERFO PERFORMED ABATEMENT A AHERA 763.93(e)(7)	RMED INSPECTIONS; MANA ARE/WILL BE ACCREDITED	AGEMENT PLANS IN ACCORDANCE	WITH			
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# Personnel Accreditation Statement

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LEA Designated Person Signature		Date
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LEA Name		
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## **Remaining Asbestos**

Description		
SEE ATTACHED		
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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.
  - 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

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## 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

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	LEA Name
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	OWOSSO PUBLIC SCHOOLS
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### 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 indentifies 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-weighed 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.

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# 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:

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# Respiratory Protection Program page 5

#### 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 0 & 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 0 & 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 - <u>Designated Person</u> (DP) <u>Form</u> 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

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 activites 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 0 & M activities.

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

 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:

Friday June 20, 1986

## 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

# 29 CFR Parts 1926.58 Medical Surveillance

- (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.

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LEA Name	
WOSSO PUBLIC SCHOOLS	
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Future Activities	
(continued)	
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3. Additional Cleaning Recommendation	
SEE ATTACHED	
SEE ATTACHED	
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4. LEA response to Additional Cleaning Recommendation	2
SEE ATTACHED	
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LEA Name	
OWOSSO PUBLIC SCHOOLS	
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### **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

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	LEA Name	
	OWOSSO PUBLIC SCHOOL	LS
m N	SB# ALL	
Consultant Acc	creditation Statement	
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LEA Designated Person Signature		Date
3. Accreditation Statement	F 3 3 1 1 1	
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### **Consultant Accreditation Statement**

1. LEA Designated Person Name		
Last	First	M.I.
LEA Designated Person Signature		Date
3. Accreditation Statement		4
ALL CONSULTANTS WHO PARTIC INSPECTION/MANAGEMENT PLA BY THE STATE OF MICHIGAN AS	N ARE ACCREDITED	æ

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LEA Name		
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#### LEA Responsibility Certification

1. LEA Designated Person

Last	First	M.I.
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LEA Designated Person Signature		Date
3. Responsibility Statement		×
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LEA Name	
OWOSSO PUBLIC SCHOOLS	
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#### 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

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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

**LEA Name** 

SB#

OWOSSO PUBLIC SCHOOLS

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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 room200. 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
  - 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

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#### 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

1. Name of Contractor involved

TO BE DETERMINED

1. Name of Contractor involved

2. State of Accreditation

3. Accreditation Number

2. State of Accreditation

3. Accreditation Number

Last

Last

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**LEA Name** 

	SB# ALL	
Description of land Response	Preventive Measures Actions (continued)	
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**OWOSSO PUBLIC SCHOOLS** 

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Response Action	n Clearance Monitoring	
Name of Person Collecting Air Sample	le	
Last	First	M.I.
TO BE DETERMINED	l I	101.7.
2. Air Sampler's Signature		
3. Locations Where Air Samples Were	 Collected	
WHERE ABATEMENT/O&M PROC		
<del></del>	×	
Date Air Samples Collected     TO BE DETERMINED	]	
5. Name and Address of Laboratory An	alyzing Samples	
	AB WILL REQUIRE THE LAB TO BE N	LAP
6. Date of Analysis	]	

**LEA Name** 

OWOSSO PUBLIC SCHOOLS

OWOSSO PUBLIC SCHOOLS
SB#
ALL

#### In-House O & M Training

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

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CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBESTOS PROGRAM AHERA MANAGEMENT PLAN **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

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# 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 (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.

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Respectfully Submitted,
Asbestos Environmental Consulting and Training of Michigan

Kevin L. Fesler, President

4029-B

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# 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

March 31, 2004

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

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
Emerson 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

Kevin L. Fesler, President 4029-A

	er.	

Name of Inspector <u>David Lee Phelps</u>

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
Central				CALL COUNTY IN CONTRACTOR OF THE PERSON OF T
N & S Crawlspace Pipewrap Elbows 30 open ends-elbows & pipewrap		Х		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

Signature of Inspector

Date

Due date of the next inspection: June 26, 1998

"Phelps

Cent92D

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## Periodic Surveillance Data Sheet

Form 921

Name of Inspector David Phelps							
Date(s) that the inspection was conducted September 17, 1996							
It is the inspector's represent status of all A indicated in the mana	ACBM or a	issumed A	lly inspect CBM that	and assess all changes, and record the is located in the LEA's buildings, as			
Bldg, Name/Location	No Changes	Min. Changes	Major Changes	Comments			
Central							
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							
Signature of Inspector  Due date of the next		Decemb	er 26, 199	- 10/15/96 Date			

Cent92D

Name of inspector	on Leveille	
Position with the LEA _	Designated Pe	rson
Date(s) that the inspec	tion was con	ducted 1-10-96
assess all changes, and	record the posted in the	y to visually inspect and present status of <u>all</u> ACBM or LEA's buildings, as indicated
List ACBM locations Building name:	Changes: No Min Maj	Comments:
Central	111	
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		
Thamas Lenna	P	1-10-96
Signature of inspect	6r	Date
Oue date of the next i	nspection:	

	2	

Name of inspector Don Leveille / Tom Lennox							
Position with the LEA Designated	l Person						
Date(s) that the inspection was conducted \$-2-95							
It is the inspector's responsibi assess all changes, and record t assumed ACBM that is located in in the management plan.	lity to visually inspect and he present status of <u>all</u> ACBM or the LEA's buildings, as indicated						
List ACBM locations Changes: Building name: No Min M	Comments:						
<u>Central</u>							
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 Lenny	8-2-95						
Signature of inspector	Date						
Due date of the next inspection: December 26, 1995							

Name of inspector	on Leveille	or Tom Lennox	
Position with the LEA	Designated P	erson	
Date(s) that the inspector's assess all changes, and assumed ACBM that is lingth the management plan	responsibilit d record the ocated in the	ty to visually inspector present status of al	t and
List ACBM locations Building name:	Changes: No Min Maj	Comments:	
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	mp	/2 - / - ( -	<i>a c</i>
Signature of inspect	or	12-14- Date	9.5
   Due date of the next i: 	nspection: _	June 26, 1995	

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Name of inspectorT	homa	s Len	nox	
Position with the LEAA	sbes	tos S	uper	rvisor/Maintenance
assess all changes, and	resp d re	onsib:	ilit;	by to visually inspect and present status of all ACBM or LEA's buildings, as indicated
List ACBM locations Building name:		nges: Min N		Comments:
Central  N & S Crawlspace Pipewrap Elbows 30 Open ends - elbows & pipewrap	X X X			
Area #2 & #3 Pipewrap Elbows Between bathrooms in pipechase 10 elbows Stage air unit 1 elbow	x x x			
Stage (floor open end/pipewrap	x			
Walls Floors Ceilings	x x x			Storage Area Basement 1 elbow repair (remove tape) 4 pipewraps (repair waterline)
			-	
Signature of inspector			•	3-9-94
Oue date of the next ins		tion:	_	June 26, 1994

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1				
Name of inspectorD	on Leveille	2		
Position with the LEA	Designated	Person		
Date(s) that the inspec	ction was c	onducted	June 15, 199	4
It is the inspector's assess all changes, and assumed ACBM that is look in the management plan	d record th ocated in t	e present	status of al	1 ACBM or
List ACBM locations Building name:	Changes: No Min Ma	Commen	ts:	
<u>Central</u>		1		
N & S Crawlspace Pipewrap Elbows 30 Open ends - elbows & pipewrap	s on			
Area #2 & #3 Pipewrap Elbows Between bathrooms in pipechase 10 elbows Stage air unit 1 elbow Stage (floor open end/pipewrap	010 010 010			
Walls Floors Ceilings	7			
Signature of inspect	or C		6- 15-	94
1		Decembe	r 26, 1994	
Oue date of the next i	nspection:			

Name of inspector	Name of inspector Don Leveille							
Position with the LEA	Position with the LEA Designated Person							
It is the inspector's rassess all changes, and assumed ACBM that is lo	resp d re	onsit	oilit the	y to visually inspect and present status of all ACBM or LEA's buildings, as indicated				
in the management plan List ACBM locations Building name:	Cha	nges: Min	:	Comments:				
<u>Central</u>								
N & S Crawlspace Pipewrap Elbows 30 Open ends - elbows & pipewrap	X X X X		5					
Area #2 & #3 Pipewrap Elbows Between bathrooms in pipechase 10 elbows Stage air unit 1 elbow Stage (floor open end/pipewrap	X X X			All are repaired				
Walls Floors Ceilings	x x x							
Donald W. Les Signature of inspecto		_		10.21-93 Date				
Due date of the next inspection: December 26, 1993								

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	×		

Name of inspectorDo	on I	evei	lle	
Position with the LEA _	Desi	gnat	ed P	erson
Date(s) that the inspec	tion	n was	cor	nducted January 19, 1993
doocoo dii chandes, and	cate		100	by to visually inspect and present status of <u>all</u> ACBM or LEA's buildings, as indicated.
List ACBM locations Building name:		nges: Min		Comments:
Central  N & S Crawlspace Pipewrap Elbows 30 Open ends - elbows & pipewrap	X X X		х	Crawlspace behind boiler just as you enter, look up for area to repair.
Area #2 & #3 Pipewrap Elbows Between bathrooms in pipechase 10 elbows Stage air unit 1 elbow Stage (floor open end/pipewrap	X X X	X	2	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.
Walls Floors Ceilings	X X X		5	
Dany W. Seres	lle	<u>.                                    </u>		1-19-93 Date
Due date of the next in		ction	٠: _	June 26, 1993

Name of inspectorDo	on L	<u>evei</u>	11e	
Position with the LEA _I	Desi	gnat	ed P	erson
Date(s) that the inspec	tion	was	COF	nducted 11-3-92
assess all changes, and	espo rec	nsib	ilit the	y to visually inspect and present status of <u>all</u> ACBM or LEA's buildings, as indicated
		nges: Min		Comments:
<u>Central</u>		8° (3		
N & S Crawlspace Pipewrap Elbows 30 Open ends - elbows & pipewrap	X X	X		Crawl space below room 106 (music room) 1 pipe wrap about 10 ft. in need of repair
Area #2 & #3 Pipewrap Elbows Between bathrooms in pipechase 10 elbows Stage air unit	X	x	I ia	Bottom of steps at west end of stage rewrap pipe  Pipe chase in stairway to base- ment-replace 2 places-duct
1 elbow Stage (floor open end/pipewrap	2 K	Х	50 00 100	tape with cloth. First floor in girl's restroom- replace duct tape Stage air unit elbow-cover with duct tape with cloth
Walls Floors Ceilings	X X X	= ×*	्व १९ १९ ॥	Teacher work room 104 build cover up two feet on pipe in corner.  Basement room 10 east side of
			a ×	lock room-rewrap w/duct tape.
	Tell	s		* /n * *
			7.	
Donal miles	all		i i	1/- 3-92
Signature of inspecto	חר			Date
Due date of the next in	spe	ctio	n:	December 26, 1992

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Name of inspector	Dick Langdon/Tom Lennox
Position with the LEA _	Program Manager
It is the inspector's rassess all changes, and	responsibility to visually inspect and direcord the present status of <u>all ACBM</u> or ocated in the LEA's buildings, as indicated
List ACBM locations Building name:	Changes: Comments: No Min Maj
Central  N & S Crawlspace Pipewrap Elbows 30 Open ends (elbows)	x x
& pipewrap   Area #2 & #3   Pipewrap   Elbows	x x
chase 10 elbows Stage air unit 1 elbow Stage (floor open end/pipewrap	X X X
Walls Floors Ceilings	X X X
Signature of inspect	/7/92 or Date/ nspection: June 26, 1992

Name of inspector	Richard Langdon
Position with the LEA	Program Director
Date(s) that the inspe	
Massess arr changes, and	
	Changes: Comments: No Min Maj
Central	1 1 1 1 -
N. & S. Crawlspace Pipewrap Elbows 30 open ends	X OK OK OK
Area #2 & #3 Between bathrooms Pipechase 10 elbows Pipewrap Elbows Stage air unit 1 elbow Stage (floor open end)	X
Signature of inspect	j/j5/9/ bate inspection: December 26, 1991

Name of inspector	Ric	hard	Lan	gdon			
Position with the LEA _	Pro	gram	Dir	ector			q.
Date(s) that the inspec	tion	n was	con	ducted	January	2, 1991	
It is the inspector's rassess all changes, and assumed ACBM that is lower in the management plan.  List ACBM locations Building name:	Char	cord ed in nges:	the the	present	status c buildings	F all A	CBM on
Central	NO	Min 	мај I I				
N. & S. Crawlspace Pipewrap Elbows 30 open ends	X X X			OK OK			
Area #2 & #3 Between bathrooms Pipechase 10 elbows Pipewrap Elbows Stage air unit 1 elbow Stage (floor open	X X X X X			OK OK OK OK			
end	^			OK			
	8			,			
Signature of inspects	ng	do	,		1/	4/9/	
Due date of the next in		ctio	n: _	June 2	/Date		

Name of inspector	Richard Langdon
Position with the LEA	Program Director
Date(s) that the inspect	ion was conducted <u>June 20, 1990</u>
A gasess arr changes, and	sponsibility to visually inspect and record the present status of <u>all</u> ACBM or ated in the LEA's buildings, as indicated
	hanges: Comments: No Min Maj
Central	
Elbows	X X X
Pipechase 10 elbows Pipewrap Elbows Stage air unit 1 elbo Stage (floor) open	X X X X X X X
Signature of inspector	Tangola 8/17/90
Due date of the next ins	spection: December 26, 1990

Name of inspector Don	Leveille and Richard Langdon
Position with the LEA $\stackrel{ extsf{D}}{=}$	esignated Person and Program Manager
It is the inspector's re assess all changes, and	esponsibility to visually inspect and record the present status of <u>all ACBM</u> or cated in the LEA's buildings, as indicated
List ACBM locations ( Building name:	Changes: Comments: No Min Maj
Central  N. & S. Crawlspace Pipewrap Elbows 30 open ends  Area #2 & #3 Between bathrocms Pipechase 10 elbows Pipewrap Elbows Stage air unit 1 elbo Stage (floor) open end	Top OK -caulk pipe by the flo
Signature of inspector	12/27/89 realle 12/27/89

Due date of the next inspection: \_\_\_\_June 26, 1990

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  Needs caulking
Signature of inspector  1/4/89  Onald W. Seville  Signature of inspector  Onto
Due date of the next inspection: December 26, 1989

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# SIX MONTH SURVEILLANCE December 1988

12-28-88 Dick Langdon and Don Leveille reinspected <a href="Central School">Central School</a> 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)  $\boldsymbol{\text{-}}$  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.

Name Name Date

Date

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

David for Phelps

Date of Completion

July 6, 1989

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

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CONSTRUCTION SAFETY AND HEALTH DIVISION - ASE AHERA MANAGEMENT PLAN	BESTOS PROGRAM	
[4]	LEA Name	
	OWOSSO PUBLIC SCHOOLS	
	SB#	
	ALL	
-		
O&i	M Activities	
Name of Person Performing Activities	es	
Last	First	M.I.
SEE ATTACHED		¥
2. Start and Completion Dates		
VARIOUS VARIOUS		
3. Location and Description of O&M Ac	ctivity	
SEE ATTACHED		
		i
		1
H	2	
4. Name and Location of Storage or Di	isposal Site for ACNA	
ON-SITE AND ULTIMATE DISPO	SAL AT VENICE LANDFILL	

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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 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

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Section II: Brief Checklist of Requirements (Prior to the start of j to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices September 21st, 2006 (A) Competent Person Requirement has successfully completed the 12-hour competent person training tourse in (Employee Name) 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 workusing 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 renoval 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 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 The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see This form and RWP booklet will be readily available at the job site for inspection by OHSA officials. The work practices described in the Recommended Work Practices for the Removal of Resilient Floor 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 (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. **Employee Name Employee Name Date Completed Training Course** 

)B.

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.

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#### (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 and (3) the building owner.

Warning signs have been posted and area has been demarcated.

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JOB INFORMATION	. 1
Job/Order Number:	#8585
Date of Work Operation:	September 21st, 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)  Names of Employees Involved in Wo	Removed 80-9"x9" Acm Resilent Cloor til welling down entire Area with water and with tenife propoed water the file and put into ian in Bay and disposed of in to the dampster at the with the hepp was vaccumed entire area to
This completed form should be main years. The employer should have a copossession.	tained by the employer in the employee personnel file for 30 opy of the Environ Report dated May 1, 1992 in its
Signature of Authorized Representation	ive of Employer who has assigned Competent Person to this
Owosso Public Schools Name of Employer	
1405 W. North St. Owosso, MI 488 Address Of Employer	367
September 21	1,2006

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	sbestos-Containing Floor Covering using the Recommen	ueu Work Pr	actices			lard in
	0		0	11		
- 1	(A) Competent Person Requirement	Date:	7	-1	-DG	
	Employee Name) Strafe has successfully conference with the	nnieted the 1	)-hour o	omnete	<b></b>	
	(Employee Name) accordance with the negative exposures assessment (NEA) and supervise the reme "on-site" NEA inspection prior to start of job and will be availated employee request or as necessary as a result of changed conditions.	oval activities	on this	job. Co	mpetent persor	nned to conduct 1 will conduct
	(B) Negative Exposure Assessment					
	Job site has been surveyed to confirm that the flooring materieffectively be used to remove flooring on this job, and that the lntact meaning that the flooring has not crumbled, been pulve within its matrix. Incidental breakage of floor tiles during remonot mean that the material is not removed in an intact condition	ized, or deter	ely to re	emain in	tact throughou	t removal proces
	Conditions of removal work to be completed on this job closel work practices, and environmental conditions in the jobs outli	v resemble th	0 proce		w	
	work practices, and environmental conditions in the jobs outli Environ Report dated May 1, 1992.	ned on page 5	of this	brochu	e and further d	control methods, escribed in the
	The TWA and excursion limits during proposed job are anticip Pages 3 and 4).	ated to recom	hla than	o in the	Facilities	
	Pages 3 and 4).	atou to 1636[[]	nie tilos	se in the	Environ test re	ports (see
	This form and RWP booklet will be readily available at the job s	site for inspec	tion by	OHSA o	fficials.	
	The work practices described in the Recommended Work Prac Covering will be followed.	tices for the R	Removal	of Resi	lient Floor	
0	If workplace conditions on the job change during the removal of jobs described in the Environ Report or the Recommended Wo that the NEA is no longer valid and additional protective steps OSHA Asbestos Standard.	of resilient flo rk Practices a (regulated are	or cover are no lo ea) must	ring, and enger us t be take	d do not resemi ed on this job, en in accordanc	ole those remove I understand e with the
1	(C) Workers Training Requirements					
	The Following individuals who will be performing the resilient (	loor covering	remova	il work h	nave successfu	lly completed as
i	Practices in accordance with the provisions of the OSHA stand	s well as train ard.	ing in th	ie use o	the Recomme	nded Work
	Practices in accordance with the provisions of the OSHA stand	s well as train ard. #	ing in th	ie use o	the recomme	nded Work
-	approved 8-hour training course covering asbestos subjects as Practices in accordance with the provisions of the OSHA stand Edward UAN Strate Employee Name	ard.	ing in th	3,	200	nded Work
Ī	Practices in accordance with the provisions of the OSHA stand	ard.	ing in th	3,	ng Course	nded Work
ī	Practices in accordance with the provisions of the OSHA stand	ard.  Total	Somplete	る, d Trainin	200	nded Work
ī	Practices in accordance with the provisions of the OSHA stand	Date Co	S - complete	d Trainin	ng Course	nded Work
ī	Practices in accordance with the provisions of the OSHA stand  Edward UAN Structe  Employee Name  Employee Name  Employee Name	Date Co	mplete	d Trainin	ng Course	nded Work
T T T T T T T T T T T T T T T T T T T	Practices in accordance with the provisions of the OSHA stand  Courter of Charles Strate  Employee Name  Employee Name	Date Co	Dompleter  Dompleter  Dompleter  Dompleter  Dompleter	d Trainin d Trainin d Trainin e emplo	ng Course ng Course yees who have	worked with
T T T T T T T T T T T T T T T T T T T	Employee Name  Employee Name  Employee Name  ACM have done so at levels below the PEL and for less than 30 ACM 30 or more days or at or above the PEL s. Lunderstand the	Date Co	Dompleter  Dompleter  Dompleter  Dompleter  Dompleter	d Trainin d Trainin d Trainin e emplo	ng Course ng Course yees who have	worked with
TT TT A A A A A A A A A A A A A A A A A	Employee Name  Employee Name  Employee Name  ACM have done so at levels below the PEL and for less than 30 articipating in this removal job and annually thereafter.  (D) Notification and Demarcation  Before the start of this removal job the following individuals much planned removal activity: (1) employees performing the remarkagement areas (not separated from the work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area by either a work area.	Date Confirm the days this calls the employer	ompleted at those endar yee e must	d Trainin d Trainin d Trainin e emplo ear. If an have a r	ng Course ng Course yees who have nemployee has nedical examin	worked with ation before
TE III	Employee Name  Employee Name  Employee Name  Employee Name  ACM have done so at levels below the PEL and for less than 30 articipating in this removal job and annually thereafter.  (D) Notification and Demarcation	Date Confirm to days this calcutte employed state the employed state oval work, (2) and cosed documents to the employed state	ompleted at those endar yee e must	d Trainin d Trainin d Trainin e emplo ear. If an have a r	ng Course ng Course yees who have nemployee has nedical examin	worked with ation before

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## 8694 Job/Order Number: Date of Work Operation: Name of Work Site: Description of work Operations: (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 Number 369.84687 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 iob. Signature of Competent Person Owosso Public Schools Name of Employer 1405 W. North St. Owosso, MI 48867 Address Of Employer Date

(Local Reproduction Of This Form Authorized)

JOB INFORMATION

Section II: Brief Checklist of Requirements (Prior to the start of I to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices Date: Competent Person Requirement OS has successfully completed the 12-hour competent person training course in (Employee Name) 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 workusing 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 The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see This form and RWP booklet will be readily available at the job site for inspection by OHSA officials. nitial The work practices described in the Recommended Work Practices for the Removal of Resilient Floor nitial 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 (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. **Employee Name 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.P.

## (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 and (3) the building owner.

Warning signs have been posted and area has been demarcated.

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JOB INFORMATION	. 1
Job/Order Number:	#8402
Date of Work Operation:	July 26th, 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)  Names of Employees Involved in W  David Lee Pholps	the next Day we used spinds and Popped 140s ACM Resilient Clock tile And port into in perment and Pisposed of them in the dimpoter at the statement with a Hepa vacuum I vacuum ad the
This completed form should be main years. The employer should have a compossession.	ntained by the employer in the employee personnel file for 30 copy of the Environ Report dated May 1, 1992 in its
Signature of Authorized Representation	tive of Employer who has assigned Competent Person to this
Signature of Competent Person	Ops.
Owosso Public Schools Name of Employer	
1405 W. North St. Owosso, MI 48 Address Of Employer	867
July 264 200	36

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Section II: Brief Checklist of Requirements (Prior to the start of je to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices Date: (A) Competent Person Requirement has successfully completed the 12-hour competent person training tourse in (Employee Name) 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 workusing 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 The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see E.V. This form and RWP booklet will be readily available at the job site for inspection by OHSA officials. The work practices described in the Recommended Work Practices for the Removal of Resilient Floor 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 (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. **Employee Name 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.

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JOB INFORMATION	
Job/Order Number:	#8485
Date of Work Operation:	July 25th, 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)  Names of Employees Involved in W	Wet down 33-9"x9" ACM Resident Floor tile, popper tile with a putty knowle and put tile in to an imperned Bag and disposed of into the dumpster at the school afterwards vacchmed entire area with a Hepa vaccity pick up and reciding Replaced with 1011.
possession.	ntained by the employer in the employee personnel file for 30 copy of the Environ Report dated May 1, 1992 in its
Signature of Competent Person	Stab
Owosso Public Schools Name of Employer	
1405 W. North St. Owosso, MI 48 Address Of Employer	3867
July 25th, 20	06

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

(A) Competent Person Requirement	Date: 5-4-06
Edutard And STrate has successf (Employee Name) accordance y negative exposures assessment (NEA) and supervise t "on-site" NFA inspection prior to start of inherence	fully completed the 12-hour competent person training course in with the provisions of the OSHA standard and is qualified to conduct the he removal activities on this job. Competent person will conduct a available during the removal operations to inspect the job site at ed conditions that may prevent completion of the workusing the RWP.
(B) Negative Exposure Assessment  Job site has been surveyed to confirm that the flooring effectively be used to remove flooring on this job, and intact meaning that the flooring has not crumbled be	materials is intact, that the Recommended Work Practices can that the flooring is likely to remain intact throughout removal process. In pulverized, or deteriorated so that it no longer likely to be bound
Conditions of removal work to be completed on this job work practices, and environmental conditions in the job Environ Report dated May 1, 1992.	o closely resemble the processes, type of material, control methods, os outlined on page 5 of this brochure and further described in the
Γhe TWA and excursion limits during proposed job are Pages 3 and 4).	anticipated to resemble those in the Environ test reports (see
This form and RWP booklet will be readily available at t	he job site for inspection by OHSA officials.
The work practices described in the Recommended Wo Covering will be followed.	rk Practices for the Removal of Resilient Floor
f workplace conditions on the job change during the re obs described in the Environ Report or the Recommen hat the NEA is no longer valid and additional protective OSHA Asbestos Standard.	emoval of resilient floor covering, and do not resemble those removal ded Work Practices are no longer used on this job, I understand a steps (regulated area) must be taken in accordance with the
(C) Workers Training Requirements	
The Following individuals who will be performing the re approved 8-hour training course covering asbestos sub Practices in accordance with the provisions of the OSH.	silient floor covering removal work have successfully completed an ejects as well as training in the use of the Recommended Work A standard.
Edward Van Strate	Feb 3, 2006  Date Completed Training Course
	Date Completed Training Course
mployee Name	Date Completed Training Course
Employee Name	Date Completed Training Course
have reviewed the job records of the individuals listed ACM have done so at levels below the PEL and for less ACM 30 or more days or at or above the PELs, I underst participating in this removal job and annually thereafter	above and confirm that those employees who have worked with than 30 days this calendar year. If an employee has worked with
(D) Notification and Demarcation	
Before the start of this removal job the following individual the planned removal activity: (1) employees performing adjacent areas (not separated from the work area by either (3) the building owner.	uals must be notified of the presence and location of ACM and of the removal work, (2) employers of employees working in ner a wall, closed door or window, or other impermeable barrier),
Varning signs have been posted and area has been den	

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 9x9" Floor Tile 5. WETTED Thor Tile 5 Mind Heppa Vaccad and Reg With #123 MANNINGTON FLOOR TILE - 2
Names of Employees Involved in We	ork Operation Social Security Number
Edward Van Strate	
This completed form should be main years. The employer should have a compossession.	ntained by the employer in the employee personnel file for 30 copy of the Environ Report dated May 1, 1992 in its
Signature of Authorized Representat	tive of Employer who has assigned Competent Person to this
Jaward Van Ste Signature of Competent Person	inte_
Owosso Public Schools Name of Employer	
<u>1405 W. North St. Owosso, MI 48</u> Address Of Employer	867
Date	

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JOB INFORMATION

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Brief Checklist of Requirements (Prior to the Asbestos-Containing Floor Covering using th	e Reck hended Work	Practices	and the second s
(A) Competent Person Requirement	Dat	ie: August	174,2005
(Employee Name) according negative exposures assessment (NEA) and sup "on-site" NEA inspection prior to start of job and employee request or as necessary as a result of the start of the s	io will be available during	s of the OSHA stand ties on this job. Con	ard and is qualified to npetent person will co
(B) Negative Exposure Assessment Job site has been surveyed to confirm that the effectively be used to remove flooring on this jo Intact meaning that the flooring has not crumbl within its matrix. Incidental breakage of floor to not mean that the material is not removed in an	flooring materials is intact bb, and that the flooring i ed, been pulverized, or d	ct, that the Recomme s likely to remain int	ended Work Practices
Conditions of removal work to be completed or work practices, and environmental conditions i Environ Report dated May 1, 1992.	n this job closely resembl n the jobs outlined on pa	e the processes, typ ge 5 of this brochure	e of material, control ( a and further describe
The TWA and excursion limits during proposed Pages 3 and 4).	job are anticipated to re	semble those in the	Environ test reports (s
This form and RWP booklet will be readily avail	able at the job site for ins	pection by OHSA of	ficials.
The work practices described in the Recommer Covering will be followed.	nded Work Practices for t	he Removal of Resili	ient Floor
If workplace conditions on the job change during jobs described in the Environ Report or the Recthat the NEA is no longer valid and additional pOSHA Asbestos Standard.	COMMERCIAL WARE PLACES	OC 310 DO IODANE HA	سيلسنا مامنوناه فعمامه
(C) Workers Training Requirements			
The Following individuals who will be performing approved 8-hour training course covering asbe Practices in accordance with the provisions of	SINS SIINIACTE SE WAII SE I	ring removal work h raining in the use of	ave successfully com the Recommended W
David Lee Phelps Employee Name		e Completed Training	2nd 2004
Employee Name	Dat	e Completed Trainir	ng Course
Employee Name		e Completed Trainir	

Initial

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.

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## Job Information

1-5-10 L M 1	H1770	
Job/Order Number:	70118	
Date of work operation:	August 17th 20	200
Name of work site:	Central School	1 Room III south wall
Address of work site:	600 west olive	er Street Owosso Michigan 4
Description of work operation include type and size of resilient floor covering material removal methods used and time duration of removal activity)	enife popped up the able bac and dispo	e Clock tile with water using a p tile (12-9"x9" Acm) and put into a li ested of in the Charpster. Alterward will whire area to clean up any residue. Then to replace what was pulled.
Names of Employees Invalu	and in Manda On a set	1.5 hr.
Names of Employees Involve	2.3	Social Security Number
David hee f	Melps	368-58-7974
	he maintained by the amployor i	in the employee personnel file for 30 years. The
This completed form should employer should have a cop	by of the Environ Report dated Ma	ay 1, 1992 in its possession.
This completed form should employer should have a cop	by of the Environ Report dated M	ay 1, 1992 in its possession.
Signature of Authorized Rep	or of the Environ Report dated Manager Who Ha	as Assigned Competent Person to this Job
Signature of Authorized Rep Signature of Competent Pers Owosso Public Schools	or of the Environ Report dated Manager Who Ha	ay 1, 1992 in its possession.
Wall Hozh	resentative of Employer Who Ha	ay 1, 1992 in its possession.

Removing	Asbestos-Containing Floor Covering using the Re	of job) to comply with the OSHA Asbestos Standard in commended Work Practices
	(A) Competent Person Requirement	Date: 2/4/05
nitial	negative exposures assessment (NEA) and supervise "on-site" NEA inspection prior to start of job and will	ully completed the 12-hour competent person training course in with the provisions of the OSHA standard and is qualified to conduct the removal activities on this job. Competent person will conduct be available during the removal operations to inspect the job site at ged conditions that may prevent completion of the work using the R
D.P nitial	Intact meaning that the flooring has not crumbled, be	ng materials is intact, that the Recommended Work Practices can d that the flooring is likely to remain intact throughout removal proc- sen pulverized, or deteriorated so that it no longer likely to be bound pring removal operations using the recommended work practices do t condition.
D.P.	Conditions of removal work to be completed on this work practices, and environmental conditions in the Environ Report dated May 1, 1992.	ob closely resemble the processes, type of material, control method obs outlined on page 5 of this brochure and further described in the
Initial	The TWA and excursion limits during proposed job a Pages 3 and 4).	re anticipated to resemble those in the Environ test reports (see
Initial	This form and RWP booklet will be readily available	at the job site for inspection by OHSA officials.
Initial	The work practices described in the Recommended Covering will be followed.	Vork Practices for the Removal of Resilient Floor
nitial	long described in the Elivitor Report of the Recomm	removal of resilient floor covering, and do not resemble those removed work Practices are no longer used on this job, I understand tive steps (regulated area) must be taken in accordance with the
~ ^	(C) Workers Training Requirements	
O.P.	The Following individuals who will be performing the approved 8-hour training course covering asbestos services in accordance with the provisions of the O DAU LA REPRESENTATION FOR THE PROPERTY OF THE PROPE	e resilient floor covering removal work have successfully completed subjects as well as training in the use of the Recommended Work SHA standard.  December 3.4 200 4  Date Completed Training Course
	Employee Name	Date Completed Training Course
10	Employee Name	Date Completed Training Course
O. P.	Moin have uplie so at levels below the PEL and for it	ted above and confirm that those employees who have worked with less than 30 days this calendar year. If an employee has worked with erstand that the employee must have a medical examination before iter.
00	(D) Notification and Demarcation	
Initial	the pignifed removal activity. (1) employees perform	viduals must be notified of the presence and location of ACM and on ng the removal work, (2) employers of employees working in either a wall, closed door or window, or other impermeable barrier),
Initial	Warning signs have been posted and area has been	demarcated.

Job/Order Number:	#5747
Date of work operation:	JA February 44,2005
Name of work site:	Central School Mrs Coxi Room & Stage Storage R
Address of work site:	600 West Oliver Street awasso, Michigan 48867
Description of work operation (include type and size of resilient floor covering material removal methods used and time duration of removal activity)	on: In Mrs Cox's Room and the Stage Stomage Rm wrapped A varied of elbows, joints, and connection on their unit in ceiting and steam line in stage Storage area. Wrapped with whell pasted and middly then after ward vaccined entire area with a Hepat vaccined to clean areas up of Any residue.
Names of Employees Invol	Social Security Number  Social Security Number  368-58-7974
employer should have a co	d be maintained by the employer in the employee personnel file for 30 years. The py of the Environ Report dated May 1, 1992 in its possession.  Presentative of Employer Who Has Assigned Competent Person to this Job
Owosso Public Schools Name Of Employer	
1405 W. North St., Owosso Address	o, MI 48867
tebruary 5	#1, 2005

Job Information

ection II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA sbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Date: 4/8/03 **Practices** (A) Competent Person Requirement Avid hee 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 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. the 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. Initial 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. Initial 0. 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 Initial those removal jobs described in the Environ Report or the Recommended Work Practices are no longer used on D.P. this job, I understand that the NEA is no longer valid and additional protective steps (regulated area) must be Initial taken in accordance with the OSHA Asbestos Standard. (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. hee Phelos 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 Employee Name 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 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.

have and area has been demarcated

## o Information

VOrder Number: # 1641	
Norder Number: Opril 8th 2003 4	April 9th, 2003
and I salmal Down	209
Loomest almor	Street Owasso, Michigan
Address of work site: 600 000 1100 1100 - 0	"smigre ACM Resilent Floor file
Description of work operation: Removal of 1908	I" Smigre ACM Resilent Floor tile used utitily knife and ent carpet into sped, lifted the tile with carpet attached sped, lifted the tile with carpet attached
floor covering material removal	spec, lifted the the central for disposal,
methods used and time duration Rolled up the corpet and of removal activity).	spect, lifted the the without for disposal, cole to Dunpster At Central for disposal, tile was removed has the Hepavacen, re Area, Assigned the job By Dan Hook.
Supervision 6 hrs to	tel time.
Superolisi Willis 10	
Names of Employees Involved in Work Operation:	Social Security Nos.
David Phelps .	368-58-7974
Wither West Proposed 15	
	•
This completed form should be maintained by the employer in the estimate should have a copy of the Environ Report dated May 1, 1992, in its	mployee personnel file for 30 years. The employer possession.
should have a copy of the Environ Report dates may 1, 1995,	
Copie myde	igned Competent Person to this Job
Signature of Authorized Representative of Employer Who Has Ass	igned composition and
Signature of Competent Person	
Owosso Public Schools	
Name of Employer	
1405 W. North St. Owosso, MI 48867	
Address April 9th, 2003	
Date	- i

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action II: Brief Ch	ecklist of Requ	uirements (Pri	or to the	start of job) to	comply with the OSHA using the Recommended	
bestos Standard	in Removing /	Asbestos-Com	tanning 1 .	100000	1-12-12-22	
rk Practices		100	~	Date:	10000001	
YEAR A YOUR	L Dames Do	quirement				
(A) Compet	ent Person Re	Quiremon	completed t	he 12-hour compe	etent person training course	
I.V. David	es Aveilo	has successibility	Withpictor .		PILISORYO OLGIOSOS ALLA	
assessment (NEA inspection employee requirements of the RW)	n prior to start of juest or as necessary.	ob and will be ava ary as a result of o	andard and invities on this allable during changed con	s qualified to cond s job. Competent g the removal open ditions that may	duct the negative exposure t person will conduct "on-site" erations to inspect the job site at prevent completion of the work	
		ssessment			- July Drartice	20
Job site has to can effective removal proc	been surveyed to only be used to removes. (Intact mean be bound with the be bound with the belowned wi	confirm that the the ove flooring on this ning that the floori thin its matrix. In	ng has not o	xumbled, been pu akage of floor tiles aterial is not remo	the Recommended Work Practice likely to remain intact throughout ulverized, or deteriorated so that it during removal operations using oved in an intact condition.  processes, type of material,	l
Q.P. Conditions	of removal work to	be completed on es, and environme	ental conditi	ons in the jobs ou	itlined on page 5 of this brochure	
and further	nods, work practical described in the E	nviron Report oat	ed way 1, 1	cincled to resemb	ble those in the Environ test repor	rts
O.P. The TWA &	nd excursion limit	s during proposed	job are am	cibsted to resom		
Initial (See Page	3 and 4).			inh ere for inspec	tion by OSHA officials.	
0		will be readily ava	liable at the	OD SHO IOI MAP	tion by OSHA officials.	
O.P. The work	oradices describe	d in the Recomme	ended Work	PLECTICES TOT THE	(Chora a Cras	
O.P. If workpla		NEA is no long	er valid and	additional protect	oor covering, and do not resemble Work Practices are no longer use tive steps (regulated area) must b	ed c
00 - 600	wine individuals W	no will be perform	ning the resi		g removal work have successfully s as well as training in the use of OSHA standard.	the
Doggmi	nended WORK PISC	YICES III COCK	Ca Mini the	Towner	16th 2000	
0	vid hee	the los		DAG Complete	d Training Course	
5mby	ee Name			Date Completed	g //www.	
Empoy				Date Complete	d Training Course	
Employ	ree Name					
				Date Complete	ed Training Course	
Initial worke	d with ACM have to yee has worked way medical examination of the control of the	with ACM 30 or most ation before partic	ore days or a cipating in th	d above and conf EL and for less th	irm that those employees who had an 30 days this calendar year. If ELs, I understand that the employ dannually thereafter.	ee ee
(D)	Notification an	d Demarcatio	17		-un-d at the execution and location	on c
D.P. Befo	- the start of this	removal job the fo	ollowing indi	viduals must be n	otified of the presence and location noval work, (2) employers of emp	loy

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 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 working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other working in adjacent areas (13) the building owner.

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o Information	H.	9		
	11/22/	W.		
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၂၀b/Order Number:				
Date of work operation:	The 20th, 20	01	107	
Name of work site:	Mral Schoo	1 Room	Oursen Mis	chicah
Address of work site: 60	o west olive	L SHEET	Caason	
1	Removal of 13 wetting down en put in a imperment After all was pi	364-91 sak	are ACM Resi	tent Cloortil
Description of work operation:	wetting down en	lire area, use	there mayerial is	n the Dunuster
(include type and size of resilient floor covering material removal	but IN to IN bounce	to de a weed	the Usea VACEN	and upoca
methods used and time duration	When All MAZ be	seed up, uses	1-44-	- 11-0
of removal activity).	the culte ALEN			
	Time 8.0 hrs	s. each,		-
		S~	cial Security Nos.	
Names of Employees Invol	ved in Work Operation:			
David Phelps		36	8-58-7974	
		9	91.	9
2 10 30 10 12		-	1000	
		_	115. 55	20 %
mike was	rson	2	370-42-73	88
- Triffice sea				
		-		
This completed form should	be maintained by the emplo	yer in the employer	e personnel file for 30 y	ears. The employe
should have a copy of the E	Environ Report dated May 1,	1992, III NO POCCO		
	1.00		200	
Long my	illes			is Job
Signature of Authorized Re	epresentative of Employer W	ho Has Assigned C	ompetent reison to the	3 005
A bassel	Teo Thele	25		
17 Comments	enson.			
Signature of Competent P	E)3011			
Owosso Publi	c Schools			
Name of Employer				
1405 W Nort	h St. Owosso, MI	- 48867		
Address	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
~ ~	04,2001			
	0-10001	-		1.2
Date				

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jection II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Schestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Date: 6/21/2001 k Practices (A) Competent Person Requirement havid hee 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 Employee Name 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 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 Initial the recommended work practices does not mean that the material is not removed in an intact condition. the 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. Initial 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) 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. Lee the Date Completed Praining 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 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 imnemeable partier), and (3) the building owner.

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	#N234	101			
b/Order Number:	T 2154	n. 1		•	
Date of work operation:	June 213,	2001		-	
Name of work site:	Central Sci	hocl Ra	on 108	- 1, 2	
Address of work site:	30 west oli	ver Stree	+ Owosso, M	11 chigan	
Description of work operation:	Remaralof	1364-91	Square Acmik	esilent Floor tile	•
(include type and size of resilient	metting cow			and popped up th	
floor covering material removal methods used and time duration	materialin	the dumpst	er, After All u	entire Area, no	22
of removal activity).	Time D.P.			-cuerc area.	
	THE DI	2.0 M 2' .	(1-0:1-0 /(13)	141	
Names of Employees Invo	olved in Work Operation:		Social Security Nos.	*	
David Phelps			368-58-7974		
David Therps	•	-			
		<del>-</del> !			
) C. S. C. C.	1	÷	22 - 11	_ 0 0	
Whike we	WATSON	<u> </u>	370-42-7	388	
		_			
This completed form should	be maintained by the er	mployer in the emp	loyee personnel file for 3	0 years. The employer	
should have a copy of the E	nviron Report dated was	y 1, 1992, iii ks po	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
John my	id I				
Signature of Authorized Re	presentative of Employe	Who Has Assign	ed Competent Person to	this Job	
Market )	Are The	ys-			
Signature of Competent P					
Owosso Public Name of Employer	c Schools	=			
	h St. Owosso, M	<del>1</del> 48867			
Address	ust and	, 5507			
	1121 400				

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Date

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Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA hestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Date: 144 174 2000 rk Practices (A) Competent Person Requirement Phelpsas 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 Employee Name 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 material is intact, that the Recommended Work Practices <u>0</u>,P. 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 Initial no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the the recommended work practices does not mean that the material is not removed in an intact condition. is 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 0.6 Initial 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). let:n' 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 D.P. 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 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. JANHar 2000 2000 Date Completed Training Course JAHLERY 2000 Employee Name Date Completed Training Course Employee Name **Date Completed Training Course** 

Employee Name

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

Before the start of this removal job the following individuals must be notified of the presence and location of ACI 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	w .
b/Order Number: # 27/5	= <del>-</del>
Date of work operation: July 17th 2000	0
Name of work site: Central School	Kitchen
Address of work site: 600 West Oliv	er Street Owasso, Mich. 4886
methods used and time duration  Are Double Dagger  Are Double Dagger	2918 floor file (AM Resilent) cor withdepp vacan system. Sprayed entire before Renoval, corefully Renovia, with then file into an impermental track by the ware need entire Area again with and then had file to were holder for ento landfill. Total time spent 8 Ohr
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 should have a copy of the Environ Report dated May 1, 1992  Signature of Authorized Representative of Employer Who H  Signature of Competent Person  Owosso Public Schools	2, in its possession.

(Local Reproduction Of This Form Authorized)

1405 W. North St. Owosso, MI 48867

Address



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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 Date: 1 12 2000 ork Practices (A) Competent Person Requirement David her 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 Employee Name 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 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 Initial no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the the recommended work practices does not mean that the material is not removed in an intact condition. is 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 N.b. Initial 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. 9.0 The work practices described in the Recommended Work Practices for the Removal of Resilient Floor O.P 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. Date Completed Training Course Lee Phelos Employee Name **Date Completed Training Course** Employee Name **Date Completed Training Course** 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 mus Initial 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 Al 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.

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has been demarcated

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b/Order Number:			
Date of work operation:	The state of the s	000	
Name of work site:	Central School		
Address of work site:		r Street Owosso, Michi	9
Description of work op	1 1 - 0 - 0 0	oun cleaned entire grea. wet Herwards, used a putty knife to	WEN-
(include type and size of floor covering material re- methods used and time of fremoval activity).	duration (2x) 211 to 912911 to	- 202 And Replaced by cutting is ofit. Put into an impermeable and Addresced as to where it can buse (DIS) for storage in AI) nsin	down bag
Names of Employe	es Involved in Work Operation:	Social Security Nos.	
David Ph	elps .	368-58-7974	
G#7.5%			
6 321			
//			
This completed form should have a copy	n should be maintained by the employer i of the Environ Report dated May 1, 1992	n the employee personnel file for 30 years. The employees, in its possession.	ployer
11			
Signature of Author	ized Representative of Employer Who H	as Assigned Competent Person to this Job	
Dave	Lee Rhelps		
Signature of Compe	etent/Person		
Owosso P Name of Employer	ublic Schools		
Ch.		8867	
Address	. 14	500,	
JANUC	iry 12th 2000		
Date			



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 ork Practices A) Competent Person Requirement Re Ohelmhas 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 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 Initial the the recommended work practices does not mean that the material is not removed in an intact condition. is 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. Initial 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. Initial The work practices described in the Recommended Work Practices for the Removal of Resilient Floor Covering will be followed. 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. **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 ACI 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.

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vob/Order Number:	- 0
Date of work operation: August 214, 19	98
Name of work site: Central School	MAIN office BAthroom
and the second s	er Street Owo250, Mich
Description of work operation: Removal of 3-9	1 sq. Acm resilent Floor tile, vaccume
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).  Entire area with He Aven before removal Putting into an important putting into an important putting into an important putting into an important putting into an important putting into an important putting into an important putting into an important putting into an important putting into an important putting into a putt	pa wacen system, welling down entire. I, corofully renoving with path knife emeable trash bay and then doubted and replaced
Approx. time /	.5 hb.
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 should have a copy of the Environ Report dated May 1, 1992, in	its possession.
Les Monros	
Signature of Authorized Representative of Employer Who Has A	Assigned Competent Person to this Job
Signature of Competent Person	
Owosso Public Schools Name of Employer	
1405 W. North St. Owosso, MI 4886	57
Address 1 0 C	
Date Just 261, 1998	



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 ork Practices (A) Competent Person Requirement 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 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 Initial 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. the is 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. Initial 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. **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 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.

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- tage and area has been demarcated

Job/Order Number:	
Date of work operation: August 264, 19	998
nodos Innban	1 Room 109.
Name of work site:	1 1 8 -050 Varial
Address of work site: 600 West Oliv	101
Description of work operation: Remural of 3-	-9"sq. Acm resilent floor tile,
(include type and size of resilient	were with Hepa Uncoun system, well, before renound, carally removing a
floor covering material removal  Out to knot a part time duration	, into me imperscable trash bay add
of removal activity).  Doubled Bassed	- la"x/2" 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
Ed Valistrate	
	(
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.
M. M.	
Signature of Authorized Representative of Employer Who Ha	s Assigned Competent Person to this Job
Horred Loo Rholds	
Signature of Competent Person	
Owosso Public Schools	
Name of Employer	
1405 W. North St. Owosso, MI 48	867
Address 1000	
august 26th, 1998	
Date	



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ction II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA stos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices (A) Competent Person Requirement Dhelmhas 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 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 nitial the recommended work practices does not mean that the material is not removed in an intact condition. the 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. Initial 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) 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. 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 Employee Name 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.

Job/Order Number:		1 - 0 0
	Angust 26th	1998
Date of work operation:	1001	ol Room 109.
Name of work site:	COLANA 1 2000	7 1 8 222 1011
Address of work site:	600 west Oli	ver Street Owosso, Mich.
4	eration: Removal of 3	3-9"sx. Acm resilent floor tile,
Description of work ope	ration: Tracerned entire	Area with Hepa Vacuum System, west,
(include type and size of a floor covering material rea methods used and time d of removal activity).	moval down enforce Are	ex before renoval, cardally removing in
	Approx time	1.5 hrs.
Names of Employee	es Involved in Work Operation:	Social Security Nos.
David Phe		368-58-7974
- Ed VanSt	92.J. 4" 152	369-84-6871
- Ed Valkoe		
)		
-		
		LSI- for 20 years. The employer
This completed form	should be maintained by the employe	er in the employee personnel file for 30 years. The employer
should have a copy	of the Environ Report dated May 1, 19	52, III ks possession
	M	
_ Nes	// Consol	Has Assigned Competent Person to this Job
Signature of Author	zed Representative of grand 1	
Dava	) All Freyes	*
Signature of Comp	etent/Person	
Owosso F	Public Schools	
Name of Employer		
1405 W.	North St. Owasso, MI	48867
Address	1 - 12 1000	
Qual S	it 26th, 1995	
Date )	<del></del> ,	
) 1		

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tion II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA stos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Date: 8 26 98 ractices (A) Competent Person Requirement Se Ohelm 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 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. the is 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. Initial 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 RVVP booklet will be readily available at the job site for inspection by OSHA officials. -itial 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 Initial 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. Initial 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 Employee Name 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

- has been demarcated

impermeable barrier), and (3) the building owner.

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is:				

	V-2	
Order Number:	- 0	
ate of work operation: August 261	998	
ame of work site: Central School	MAIN office BAthr	com
100 1,1001 011	ver Street Owo!	SO, Mic
ddress of work site:	9" 30. Acm resilent Floor	tile. VACCUI
escription of work operations. Entire Area with t	Hepa Waccun system, welli,	ng down end
oor covering material removal  Aven before removal  Outline into Av in	perheable trash bay and the	en doubted
Approx. time		
Names of Employees Involved in Work Operation:	Social Security Nos.	
David Phelps .	368-58-7974	
Ed VanStrate	-369-84-6971	
This completed form should be maintained by the employer i	n the employee personnel file for 30 years.	The employer
should have a copy of the Environ Report dated May 1, 1992	2, in its possession.	
· · m		
Signature of Authorized Representative of Employer Who Hard Signature of Competent Person	as Assigned Competent Person to this Job	
Owosso Public Schools Name of Employer		
1405 W. North St. Owosso, MI 4 Address	886.7	
angust 26th, 1998		

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#### RECORD KEEPING ACTIVITY SHEET

According to 763-94 (F) and (CACBM.	G) the following date must	be collected for	each activity affecting
1. Information on the contract	or or person conducting th	e activity:	
NAME: OWOSSO PUL	BLIC SCHOOLS		
1405 W. NORTH ST.	owosso	MI	48867
Address:	City	State	Zip Code
Accreditation or contractor lice State accredited in: Michi			
2. Names of each individual i	nvolved:	Signatures:	00 0
DAVID PHELI	28	Navde	Tee Phely
,		-	
			***
5 V			
			-
-			
-		(use other s	de if necessary)
3. Start and Completion Date	es: March 3, 1998	(use other si	de if necessary)

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

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#### RECORD KEEPING ACTIVITY SHEET

CHECK ONE ( ) Major Asbestos Ac (X) O & M under 763-	<u>ctivit</u> y under 763-9 91 (d) "O & M dis	1 (e) turbing friable A	.CBM."
According to 763-94 (F) and (G) the foll ACBM.	lowing date must b	e collected for e	ach activity affecting
1. Information on the contractor or personal	son conducting the	activity:	
NAME: OWOSSO PUBLIC SC	HOOLS		-
1405 W. NORTH ST.	owosso	MI	48867
Address:	City	State	Zip Code
Accreditation or contractor license num State accredited in: Michigan	ber: A16001	_	
2. Names of each individual involved:		Signatures:	000
DAVID PHELPS		Darw	Jee Khalps
14		V	1
-	_		
_			
		(use other sid	e if necessary)
3. Start and Completion Dates: Augus	st 26, 1998		
4. Location of the Activity: Central	I		
5. Attach a detailed description of the	activity (preventati	ive measures if i	sed) methods used
reasons for selecting the measure or replaced with 12"x12". Removed 12"x12"	action. Removed	13-9" tile in o	ffice bathroom and
6. If ACM was removed, give the nam Maintenance Warehouse and Venice Pa			

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### RECORD KEEPING ACTIVITY SHEET

CHECK ONE (	) Major Asbestos Ad ) O & M under 763-	ctivity under 763 -91 (d) "O & M c	-91 (e) listurbing friable AC	BM."
According to 763-9 ACBM.	4 (F) and (G) the fol	lowing date mus	t be collected for each	h activity affecting
1. Information on	the contractor or per	son conducting th	he activity:	
NAME: OW	OSSO PUBLIC SC	HOOLS		
1405 W. NORTH S	ST.	owosso	MI	48867
Address:		City	State	Zip Code
Accreditation or con State accredited in:	ntractor license num	ber: <u>3710</u> 8	(License #)	
	individual involved:		Signatures:	L. Pholes
_				
-				
			(use other side i	f necessary)
3. Start and Comp	letion Dates: Marcl	h 3, 1998		
4. Location of the	Activity: Central	School		
5. Attach a detaile reasons for sele	d description of the cting the measure or	activity (prevented action. <b>Over</b>	ative measures if use	d), methods used,
6. If ACM was rem	noved, give the nam	e and/or location se and Venice P	n of storage or dispos ark Landfill	al site of the ACM.

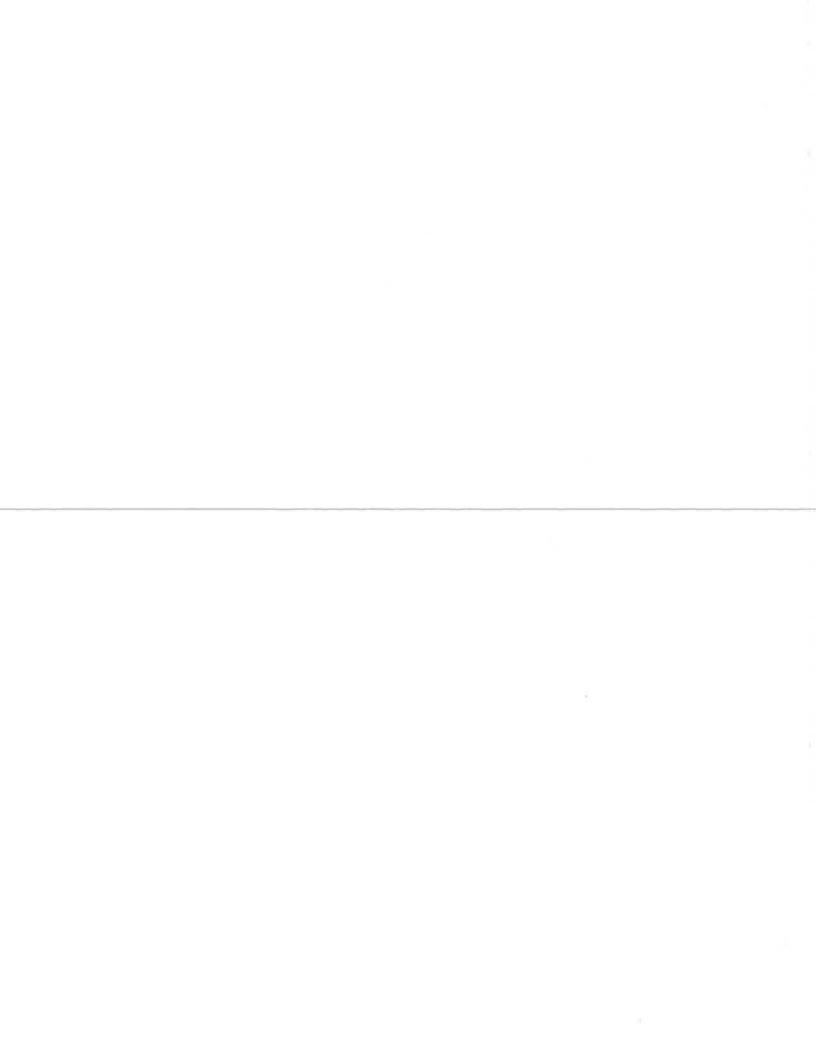
Section II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA bestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended ork Practices Competent Person Requirement ee PheloShas successfully completed the 12-hour competent person training course 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" Initial 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 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. the is 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. initial 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. 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 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.

has been demarcated

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		9(0-08-00	37				
	Job/Order Number:	D 1 17th					
	Date of work operation:	Central School Room 106					
	Name of work site:						
	Address of work site:  Description of work operation of work operation of work operations of the size	resilient Unadamed enfor	- 9" floor tile (ACM &	lesilent! ustern			
	floor covering material remethods used and time of removal activity).		priting intron impamenble i	evash bas			
	Names of Employe	es Involved in Work Operation:	Social Security Nos.				
	David Ph		368-58-7974				
Y <sub>1</sub>	Ed VanSt	rate	369-84-6871				
1	Fred Lab	III	View Control of the C				
	Signature of Author Signature of Comp	rized Representative of Employer Who	yer in the employee personnel file for 30 years. 1992, in its possession. The possession of the posses				
	Owosso 1 Name of Employe	Public Schools					
		North St. Ownsso, MI	48867				
	Address  Date	bes 1749, 1997					



### Job Information

Job/Order Number: 96-08-0037	
Date of work operation: December 17th, 190	37
Onland Oden Once	vn 106
Name of work site:	Street Owoso, Michigan
Address of work site.	
Description of work operation:	co with here vacuum system,
(include type and size of the control of the contro	e Aren before Reversal and Cape in which impermeable trash bigg
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 should have a copy of the Environ Report dated May 1, 1992, in its Signature of Authorized Representative of Employer Who Has As Signature of Competent Person	, possession.
Owosso Public Schools Name of Employer	
1405 W. North St. Owosso, MI 48867	,
Decrember 17th 1997 Date	

(Local Reproduction Of This Form Authorized)


CHECK ONE ( ) Major Asbestos Activity under 763.91 (e) (X ) OGM under 763.91(d) "OGM 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:  David Phelps  Accreditation or contractor license number: State accredited in: State accredite
(use other side if necessary) 3. Start & Completion dates:
March 18, 1994
4. Location of the activity:
Central School
<ol> <li>Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.</li> <li>over</li> </ol>
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:  David Phelps
W AND THE RESERVE OF THE PERSON OF THE PERSO
(use other side if necessary)
3. Start & Completion dates:
December 14, 1994
February 1, 1995
4. Location of the activity:
Central School
<ul><li>5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.</li><li>back</li><li>6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.</li></ul>
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CHECK ONE ( ) Major Asbestos Activity under 763	.91 (e)
( X) <u>OSM</u> under 763.91(d) "OSM disturbi	ng friable ACBM."
	Y) i , 'va 4 , 'j).
According to 763.94 (f) and (g) the following da each activity affecting ACBM.	ta must be collected for
1. Information on the contractor or person condu Name:	cting the activity:
Name:	
Owosso Public Schools Owosso, M	I 48867
Address: City:	State: Zip:
Accreditation or contractor license number:	of sv.
State accredited in:	
2. Names of each individual involved: sign	atures:
David Lee Phelps	The Theas
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	Vi i
Control of the Contro	
	2 <sup>24</sup>
(use other	side if necessary)
3. Start & Completion dates:	side if necessary)
(use other 3. Start & Completion dates: February 24, 1993	side if necessary)
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3. Start & Completion dates: February 24, 1993  4. Location of the activity: Central School  5. Attach a detailed description of the activity used), methods used, reasons for selecting the over	(preventative measures if e measure or action.
3. Start & Completion dates: February 24, 1993  4. Location of the activity: Central School  5. Attach a detailed description of the activity used), methods used, reasons for selecting th over  6. If ACM was removed, give the name and/or local	(preventative measures if e measure or action.
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3. Start & Completion dates: February 24, 1993  4. Location of the activity: Central School  5. Attach a detailed description of the activity used), methods used, reasons for selecting th over  6. If ACM was removed, give the name and/or local	(preventative measures if e measure or action.
3. Start & Completion dates: February 24, 1993  4. Location of the activity: Central School  5. Attach a detailed description of the activity used), methods used, reasons for selecting th over  6. If ACM was removed, give the name and/or local	(preventative measures if e measure or action.
3. Start & Completion dates: February 24, 1993  4. Location of the activity: Central School  5. Attach a detailed description of the activity used), methods used, reasons for selecting th over  6. If ACM was removed, give the name and/or local	(preventative measures if e measure or action.
3. Start & Completion dates: February 24, 1993  4. Location of the activity: Central School  5. Attach a detailed description of the activity used), methods used, reasons for selecting th over  6. If ACM was removed, give the name and/or local	(preventative measures if e measure or action.
3. Start & Completion dates: February 24, 1993  4. Location of the activity: Central School  5. Attach a detailed description of the activity used), methods used, reasons for selecting th over  6. If ACM was removed, give the name and/or local	(preventative measures if e measure or action.

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		D.	

CHECK ONE ( ) Major Asbestos Acti ( X) OSM under 763.91(d)	ivity under 763.91 (e) ) "O&M disturbing friable ACBM."	
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According to 763.94 (f) and (g) the each activity affecting ACBM.	he following data must be collected o	For
<ol> <li>Information on the contractor of Name:</li> </ol>	or person conducting the activity:	
Owosso Public Schools	Owosso, MI 48867	*) ×
Address:	City: State: Zip:	
Accreditation or contractor lie State accredited in: 2. Names of each individual involve David Phelps	ě.	· ·
	4 1	
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	3	
3. Start & Completion dates: December 1, 1992	(use other side if necessary)	
*	a	
4. Location of the activity:		
Central School		
7⁴		
used), methods used, reasons for over  6. If ACM was removed, give the na	of the activity (preventative measur for selecting the measure or action. name and/or location of storage or di	
site the of ACM.		
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CHECK ONE ( ) Major Asbestos Activity under 763.91 (e) (X) OBM under 763.91(d) "OBM disturbing friable ACBM."	34
According to 763.94 (f) and (g) the following data must be collected for each activity affecting ACBM.	
<ol> <li>Information on the contractor or person conducting the activity:</li> <li>Name:</li> </ol>	
Owosso Public Schools Owosso, MI 48867	
Address: City: State: Zip:	<u></u>
Accreditation or contractor license number: State accredited in: 2. Names of each individual involved: Signatures:	
Dave Phelps Daved the thelps	
Bruce Hickmott Bruce of Stukenos	
(use other side if necessary)	2.5
May 15, 1990	
4. Location of the activity:	
Central School	
5. Attach a detailed description of the activity (preventative measures i 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 dispossite the of ACM.	al
debris-Venice Park Development 9536 Lennon Road Lennon, MI 48449	

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CHECK ONE ( ) Major Asbestos A ( X) OBM under 763.91	ctivity under 763.91 (e) (d) "O&M disturbing friable ACBM."
According to 763.94 (f) and (g) each activity affecting ACBM.	the following data must be collected for
1. Information on the contracto Name: Owosso Public So	r or person conducting the activity: chools
1405 W. North	Owosso, MI 48867
Address:	City: State: Zip:
Accreditation or contractor State accredited in: 2. Names of each individual inv	
Bruce R. Hickmott	Brune B. De character.
_ Dave Phelps	Dais Thee Phelps
u u	
*!	
	7
3. Start & Completion dates:	(use other side if necessary)
June 27, 1989 & July 6	5, 1989
4. Location of the activity:	th.
Central School	28 EE
used), methods used, reasons (back)	n of the activity (preventative measures if for selecting the measure or action.  name and/or location of storage or disposal
Venice Park Developmen 9536 Lennon Road Lennon, MI 48449	t

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CHECK ONE ( ) Major Asbestos ( $_{ m X}$ ) 08M under 763.9	Activity under 763. 31(d) "O&M disturbir	91 (e) g friable ACBM."
According to 763.94 (f) and (g each activity affecting ACBM.	3) the following dat	a must be collected for
<ol> <li>Information on the contract Name:</li> </ol>	or or person conduc	ting the activity:
Owosso Public Schools	Owosso	MI 48867
Address:	City:	State: Zip:
Accreditation or contractor State accredited in:	5	×
Dave Phelps	ACLIVED:	tures: Lee Phelps
Bruce Hickmott	Brunce R.	Thekan
and the second s	-	
7)	æ	
3. Start & Completion dates:	(use other	side if necessary)
December 11, 1989		
4. Location of the activity:		
a. Localion of the activity:	Central School	
8: 90		
<ol> <li>Attach a detailed descripti used), methods used, reason on back</li> </ol>	on of the activity ns for selecting the	(preventative measures if measure or action.
6. If ACM was removed, give the site the of ACM.	ne name and/or locat	ion of storage or disposal
Venice Park Developmer 9536 Lennon Road Lennon, MI 48449	nt	W.
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### 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 Hickmo	ott	5		
Dave Phelps				1
Date of the clear	ing June 27, 198	9		Pipe chase
Location cleaned	Central School	Crawl	space	off custodial room
Methods used for	school the cleaning:	area(s)	First	floor boys restroom

Debris to be bagged Hepa vacuum

×			
		Y	

CHECK ONE ( ) <u>Major Asbesto</u> ( X) <u>OSM</u> under 763	os <u>Activity</u> under 763.9 <sup>7</sup> 3.91(d) "O&M disturbing	! (e) friable ACBM."
According to 763.94 (f) and each activity affecting ACBM	(g) the following data	must be collected for
1. Information on the contra Name:	ector or person conducti	ing the activity:
Owosso Public Schools	Owosso	MI 48867
Address:	City:	State: Zip:
Accreditation or contract State accredited in: 2. Names of each individual		ures:
Roy Luft-Supervisor	hoy s	uff
Dave Phelps	DaliOp	ee Pholps
Bruce Hickmott	Bruse Robin	- Hilmore
Laboratoria de la constantina della constantina		
	(upp abban a	
3. Start & Completion dates:	(use other s	ide if necessary)
August 30-September 9	, 1988	
4. Location of the activity:	Central	
over on back		
5. Attach a detailed descripused), methods used, reas	otion of the activity (people of the resonance of the res	preventative measures if measure or action.
6. If ACM was removed, give site the of ACM.	the name and/or location	on of storage or disposal
debris - Venice Park 9536 Lennon Lennon, MI	Road	

•		

CHECK ONE ( ) <u>Major Asbestos Activity</u> under 763.91 (e) ( X) <u>OSM</u> 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.	
<ol> <li>Information on the contractor or person conducting the activity: Name: Owosso Public Schools</li> </ol>	
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 Hukmott	
(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 used), methods used, reasons for selecting the measure or action.  Over	if
6. If ACM was removed, give the name and/or location of storage or disposable the of ACM.	sal
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.

\*Storage Room (old custodian) O.K.

Y FAN Room - O. K.

K tunnel off Boiler Room - Removed duct tops from elbow and end of lines - replaced with whent paste and muslin.

Removed duct tape from elbows, joint connections, and end of lines replaced with wheat paste and muslin.

1/26/95

x Top Floor Bays bathroon pipe chase. Removed duct tape from elbows and replaced with wheat paste and muslin.

\* 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 (funne)?
Removed duct tape from end of lines, elbaus,
joint connections, and open ends replacing
with wheat paste and muslin.

1/30/95

Removed and tape from end of lines,
elbows, joint connections, and open ends
replacing with wheat paste and muslin.

2/1/95xtunnel off from old chstodian room
Finished the thinnel by renoving duet
tape from end of lines, elbows, joint
connections, and open ends replacing
with wheat paste and muslin.

× 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 a elbows on the same line down by Boiler Room Door.

- x main walk tunnel in Basement repaired 6 ganges on 10" line with wheat paste and muslin.
  - r In Room 104 in the northwest corner of Room Repaired lelbow with wheat paste and muslin
  - \* In electrical Room Repaired Telbow and 2 open ends with whent paste and muslin
  - x In basement the fan Room Repaired a open ends with wheat paste and muslin

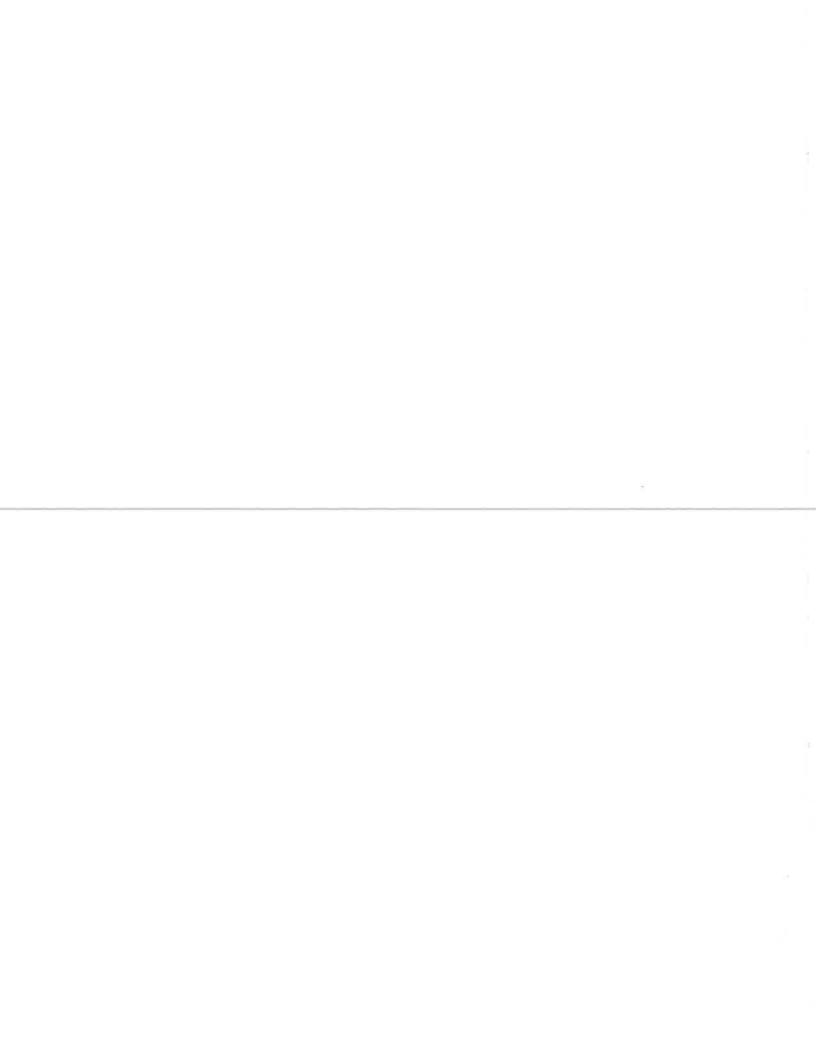
4/13/2000

In basement on south wall in hange storage Area - Removed 3 elbows off water lines to supply kitchen up - stairs (bad leak). I (Dave) and Ed Uan-starte Removed 3 elbows As per the Asbesto program using the Hepa vaccum, lots of water using respirators, and double bag proceedure and then hanled to warehouse (or storage, where it was written on the bag where it came from.

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## Asbesto work in 2005

In Mrs Coxis Room old Lounge" and on the sastside of stage in storage from. wrapped a variety of about, joints, and connection on heat unit in ceiling and storaline in the stage storage Area. chapped with wheat paste and muslin then afterwards vaccined entire Area with a Hepa vaccin to close Areas up of Any vesiche, 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

\* Removed 3-9" tile in office bathroom and replaced with 12"x12"

\* Removed 3-9" floor tile in Room 109
And replaced with 12"x12"

1/12/2000

In Room 202 Replaced 1-949" Cloor tile
replaced tile by cutting down a 12'x12" to 949"
to fit

7/17/2000

In the kitchen removed 352-9" Acm Resilent floor tile to be replaced with 12" x 12"

6/20/2001

In Room 107 removed 1364-9" ACM Resilent Floor tile to be replaced with carpeting.

## 9/11700/7

6/21/2001

In Room 108 removed 1364-9"
Square ACM Resilent floor tile to be
replaced with carpeting

4/849/03 In Room 209 removed 1408-9"square ACM Resilent floor tile with Carpet Attached to be replaced with new Carpeting.

8/17/05 In Room III on the south wall Remark
9-9x9"square Acm Resilent floor tile and replaced
with 12x12" new tile cut down to fit,

7/26/06 In Room 207 Removed 1408-9" 9"
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 Gorr File and Replaced with
12"x12" tile cut down to 9"x9" to fit E.U.

9/21/06 In Room 204 Renoved 48-9"x9"

ACN Resilent Floor tile. Replacement by Ed

VAN Strate at a later date 1.0

VACCUMED extive aven to pick of any Residue with a Hapa-Vac.

9/21/06 At Centralia Roon 20% renoved 32-9x9" DCM Resilent Stoor HIE At night on overtime, with the same procedure as I did in the morning. After All was pulled used a Heps vac and vaccined entire area. Replaced Both press with New Whole 12"x12" the file. 3.0 hrs oit, Ed did not Replace I did.

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

SB# ALL	
Major Fiber Release	-
List Location and Description of Activities	
SEE ATTACHED	
and the second s	
an gr.	
List Start and Completion Dates of Activities	
VARIOUS	
Name and Location of Storage of Disposal Site for ACM	44
ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL	
	0

LEA Name

OWOSSO PUBLIC SCHOOLS

# 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) <u>Major Fiber Release Episodes</u> [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.

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

OWOSSO PUBLIC SCHOOLS					
	SB# ALL				
Major Fiber	r Release (continued)				
4. Name of Contractor Involved		(#1			
Last VARIOUS - SEE ATTACHED	First	M.I.			
Signature of Contractor Involved		J			
State of Accreditation MI		o o			
Accreditation Number VARIOUS					
Name of Contractor Involved					
Last	First	M.I.			
Signature of Contractor Involved		- <del>  </del>			
State of Accreditation					
Accreditation Number		=			

			4	

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

	LEA Name
	OWOSSO PUBLIC SCHOOLS
	SB#
Minor	Fiber Release
WIIIO	riber Release
	_
<ol> <li>List Location and Method of Repair, Taken</li> </ol>	Preventative Measures or Response Action
SEE O&M ACTIVITIES FORI	M F-6
OLE ORM ACTIVITIES FOR	VI I -0
	·
w 2	
	2 1
2. Date of Minor Fiber Release Episod	
VARIOUS	1
Name and Location or Storage of Di	sposal Site for ACM
ON-SITE AND ULTIMATE DISPO	SAL AT VENICE LANDFILL
SEE ATTACHED LANDFILL R	ECEIPTS/SHIPPING PAPERS
	-
4. List Names of Persons Performing F	Repair or Cleanup
(4)	iopan or oleanap
VARIOUS - SEE ATTACHED	
4. List Names of Persons Performing F VARIOUS - SEE ATTACHED	Repair or Cleanup

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## THREE YEAR ASBESTOS REINSPECTION

OWOSSO PUBLIC SCHOOLS 1405 WEST NORTH STREET OWOSSO, MI 48867

**APRIL 5, 1991** 



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## 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: I	Date Inspected
1. Owosso High School	3-5-91
2. Owosso Jr. High School	3-5-91
3. Bentley Elementary School	ol 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 & Maintenanc	e 3-6-91
Green Meadows School (st	torage) 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

## First 3 Year Reinspection for Owosso Public Schools Page 2 of 10 - April, 1991

## 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

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## First 3 Year Reinspection for Owosso Public Schools Page 3 of 10 - April, 1991

## High School - continued

#### 400 Wing of High School

- 1. 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

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## First 3 Year Reinspection for Owosso Public Schools Page 4 of 10 - April, 1991

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.

## First 3 Year Reinspection for Owosso Public Schools Page 5 of 10 - April, 1991

#### 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

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## First 3 Year Reinspection for Owosso Public Schools Page 6 of 10 - April, 1991

#### 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.

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## First 3 Year Reinspection for Owosso Public Schools Page 7 of 10 - April, 1991

#### **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.

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## First 3 Year Reinspection for Owosso Public Schools Page 8 of 10 - April, 1991

#### 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.

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# First 3 Year Reinspection for Owosso Public Schools Page 9 of 10 - April, 1991

#### 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.

#### MISCELLEANEOUS MATERIAL

2. FLOOR TILE: 15,717 sq ft, floor tile non-friable assumed ACM, throughout the building.

## First 3 Year Reinspection for Owosso Public Schools Page 10 of 10 - April, 1991

## **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.

## **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



## Page 1 of 10 Second 3-Year Reinspection

## **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
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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

date

Accreditation # B-1031- U. of Illinois & USEPA

Trust Thermal Systems, 12451 US 27, DeWitt, MI 48820 Phone: (517) 669-8834

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## Page 2 of 10 Second 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, 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

- 1. 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

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# Page 3 of 10 Second 3-Year Reinspection

# 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

### Page 4 of 10 Second 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 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.

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# Page 5 of 10 Second 3-Year Reinspection

#### 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

# Page 6 of 10 Second 3-Year Reinspection

#### 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.

# Page 7 of 10 Second 3-Year Reinspection

#### 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.

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# Page 8 of 10 Second 3-Year Reinspection

### 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.

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# Page 9 of 10 Second 3-Year Reinspection

#### 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.

# Page 10 of 10 Second 3-Year Reinspection

# **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)

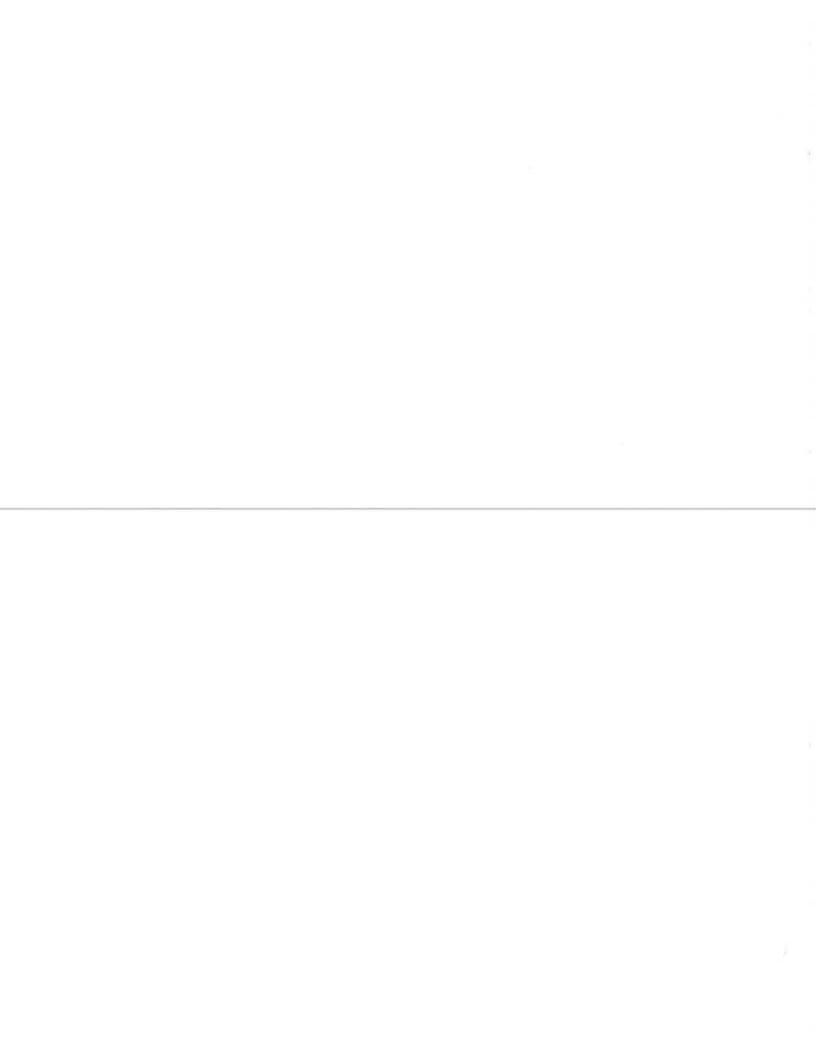
This building is not entered by any one but school personal and there is water damaged in the building because of room and window leaks.

# 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.



# THIRD 3 YEAR ASBESTOS REINSPECTION

OWOSSO PUBLIC SCHOOLS 1405 W. NORTH STREET OWOSSO, MI 48867

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TRUST THERMAL SYSTEMS, INC.

THOMAS J. LOWE, PRESIDENT

ESTABLISHED - 1979



CORPORATE OFFICES 12451 US 27 DEWITT, MI 48820

> (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
X		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.
X	·	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

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High Sc	hool (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/repaired by trained personnel.
	BRYANT ELEMENTARY SCHOOL
X_	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/repaired 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

\*Damage - 3" gouge just outside old boiler room door in hallway

All material which is damaged and friable is to be rewrapped/repaired by trained

PIPEWRAP: Assumed ACM on 12" line outside old boiler room:

personnel.

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# **Owosso Public Schools**

1405 W North St Owosso, MI 48867

Designated Person: Mr. Les Monroe

Office: (517) 723-8131

The following reinspection was conducted by Jim Rose. The inspector was responsible for all reinspection data generation and ACM assessments.

Building Inspected:	Date Inspected
1. Owosso High School	3-27-97
2. Owosso Jr. High School	3-26-97
3. Bentley Elementary School	3-26-97
4. Bryant School	3-26-97
5. Central School	3-26-97
6. Emerson School	3-26-97
7. Lincoln School	3-26-97
8. Roosevelt School	3-26-97
9. Washington School	3-26-97
10. Miscellaneous Buildings:	
Administration	3-26-97
Warehouse	3-26-97
Green Meadows School (storage)	3-27-97
Cass Street Warehouse (New inspection)	3-27-97

Inspection Completion Date: 3/27/97

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 - Jim Rose Accreditation - Tillotson Environmental Consulting #BI97021903

date

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 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

### 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

1. 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

# 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

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### 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.

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# 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.

# **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

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#### **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.

#### **EMERSON ELEMENTARY SCHOOL**

#### THERMAL SYSTEMS INSULATION

Area #2

1. ELBOWS: 105 elbows non-friable assumed ACM, in the tunnel under the kitchen area.

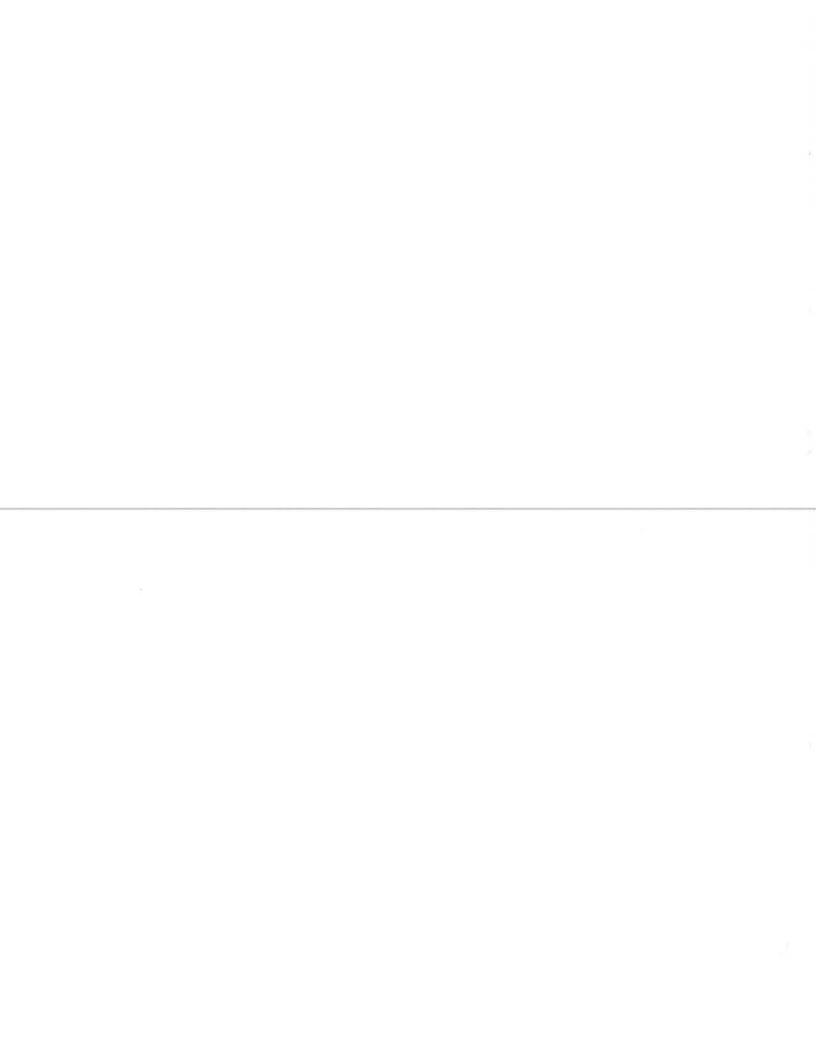
#### SURFACING MATERIAL

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.



#### LINCOLN ELEMENTARY SCHOOL

#### MISCELLANEOUS MATERIAL

1. FLOOR TILE: 70 square feet, Assumed ACM, Non Friable, located in the small kitchen on the main floor.

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#### ROOSEVELT ELEMENTARY SCHOOL

#### MISCELLANEOUS MATERIAL

ITEM #:

1. FLOOR TILE: 3,545 sq ft floor tile non-friable assumed ACM, throughout the building.

(4)

#### 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.

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#### **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.

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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

Date

Tom Lowe MP certification # MAIC 0836

Management Planner

9

# D.J.Buschini Independent Consulting Service

July 15th, 2000

Mr. Dan Hock Director of Operations 1/2000

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 their 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

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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

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.

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# 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 reinspection 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 replaces 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.

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#### 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.

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# 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



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

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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



## MICHIGAN DEPARTMENT of COMMUNITY HEALTH

This is to certify that

Kevin Fesler

has satisfactorily met thee, statutory requirements for

Pb Supervisor MI LHRP No P-1410



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 Num
A12503

03/14/2004

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 Num A12503

03/14/2004

BSR-OH-270 (6/98) Authority: Michigan Public Act 440 of 1988, a

60564

#### AHERA 3 YEAR REINSPECTION REPORT [763.85(b)(3)(vii)]

LEA	A: Owosso P	ublic Schools		Date:	July 1, 2003
Add	dress: 1405 N	Jorth St	Oceana MI		Julius
		et Number	Ososso, MI City/State		48867
			City/State		Zip
BLI	DG: <u>#1</u>	Administration	1405 North St. Owo	980	
	Number,	Name,	Address if different f		
Reir	nspection perfor	med by Kevin L. Fesle	r	Date:	June 16, 2003
	reditation Num		A 12503 Michigan	Dute.	June 10, 2005
Insp	ectors Signatur	· Hool. Bo			
		Inspectors	Findings/Assessments		
Cha	inges noted in	the condition of know	n or assumed ACBM:	1762 853	
Exac dete		any samples that wer of samples [763.86].	e collected during reins	pection :	and method used to
( )	- monoution (	DI 11 2001 2-03-034 UCL.	ila were determined as per 85) ASBESTOS IN BLD CING MATERIAL, (PIN	COTAIN	TETER CAR COT TO
( )	The property of the	mage non-friable mater	for Thermal System Insul nt numbers were taken to ial and possibly create a h		0

enter mark as appropriate

(x)

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## 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

Administration 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.

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LEA	A: Owosso P	ublic Schools		Date:	July 1, 2003
Add	ress: 1405 N	Jorth St.	Ososso, MI		400.67
		et Number	City/State		48867 Zip
BLE	OG: <u>#2</u>	Bentley Elementary	1375 North St.	Owo	
	Number,	Name,	Address if different		
Rein	spection perfor	rmed by Kevin L. Fesler		Date:	June 16, 2003
	reditation Num	1) 00	A 12503 Michigan		
		Inspectors I	Findings/Assessments		
~.		the condition of known			
Exac dete	et locations of rmine location	any samples that were of samples [763.86].	collected during rein	spection :	and method used to
	No samples	were collected.			
( )	T COMOMICITY	tion for surfacing materila EPA 560/5-85-03a Oct. 8 OR FRIABLE SURFAC	JIASBES LOS IN BLI	ACT GIVAD	TITITION OF A NAME AND TAKES
( )	boloctou at 18	tions for bulk sampling for andom to insure sufficient amage non-friable material	. numbers were taken t	A CATION OF	more footons. C

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		e <sub>1</sub>

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

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

2A: 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 = Tignificantly damaged friable surfacing ACBM, 4 = Damaged or significantly friable miscellaneous material, 5 = ACBM with the stential 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.

LEA: Owosso	Public Schools		Date:	July 1, 2003
Address: 1405	North St.	Ososso, MI		48867
Str	eet Number	City/State		Zip
BLDG: <u>#3</u>	Bryant Elementary	925 Hampton St.	Owo	osso
Number,	Name,	Address if different		
Reinspection perfo	ormed by Kevin L. Fesler		Date:	June 16, 2003
Accreditation Nur	nber and State	A 12503 Michigan		
Inspectors Signatu	ire Kest. B	h		
	Inspectors F	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

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: 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	Bøiler 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

aterial Extracted by Kevin L. Fesler Date July 1, 2003

Materiai 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.

LEA: Owosso P	ublic Schools	-	Date:	July 1, 2003
Address: 1405 N	North St.	Ososso, MI		4886
Stre	et Number	City/State		Zip
BLDG: <u>#4</u>	Central Elementary	600 W. Oliver St.	Ov	vosso
Number,	Name,	Address if different fr		
Reinspection perfor	rmed by Kevin L. Fesler		Date:	June 16, 2003
Accreditation Num	ber and StateA	12503 Michigan		
Inspectors Signatur	re her e fe	-		
	Inspectors F	indings/Assessments		
Changes noted in	the condition of known	or assumed ACBM:	763.35	
No Visible	Changes Noted			
Exact locations of	any samples that were	collected during reiner	ection	and mathod
determine location	of samples [763.86].	Toma Toma	, cetton	and method used

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

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

SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)

No samples were collected.

enter mark as appropriate

environment.

(x)

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

# TERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001 A: 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 = ACBM or friable suspected ACBM, 1 = ACBM or monomorphisms of miscellaneous material, None - No assessment category provided in original inspection.

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LEA:	Owosso P	ublic Schools		Date:	July 1, 2	2003
Addre	ss:1405 N	lorth St.	Ososso, MI			48867
	Stre	et Number	City/State			Zip
DID	6.04		Carrier and Carrier		1	~- <sub>P</sub>
BLDC		Emerson Elementary	515 W. Oliver St.	0	wosso	
	Number,	Name,	Address if different fi	om LEA		
Reins	pection perfor	rmed by <u>Kevin L. Fesler</u>		Date:	June 16.	2003
Accre	ditation Num	ber and StateA	12503 Michigan			
Inspec	ctors Signatur	e for en for	2			
		Inspectors F	indings/Assessments			
Chan	tee noted in	the condition of known				
		STATE OF STA	or assumed ACDIVE.	[763.85]		
	No Visible (	Changes Noted				
Exact	locations of	any samples that were	collected during reins	pection	and meth	od used to
deterr	nine location	of samples [763.86].				
	No samples	were collected.				
( )	Sample loca	tion for surfacing materila	were determined as no	r Drotos	al ant famil	h h T-1.1 . c
,	Publication (	(EPA 560/5-85-03a Oct. 8: OR FRIABLE SURFACI	5) ASBESTOS IN BLD	G. SIMP	LIFIED S	SAMPLING
( )	Sample loca	tions for bulk sampling fo	r Thermal System Insu	lation an	d misc. m	aterial were
	selected at ra	andom to insure sufficient	numbers were taken to	COVET C	mare foot	ara afama
	but not to da	unage non-mable material	l and possibly create a h	azard to	human he	alth and the

environment.

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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

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# 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

aterial 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.

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LEA: Owosso P	ublic Schools	Date:	July 1, 2003	
Address: 1405 N	lorth St.	Ososso, MI		48867
Street Number		City/State		Zip
BLDG: # 6	High School	765 E. North St.	Owos	so
Number,	Name,	Address if different		
Reinspection perfo	rmed by Kevin L. Fesl	er	Date:	June 16, 2003
Accreditation Num	ber and State	A 12503 Michigan		
Inspectors Signatur	e Kerl	Pal		
	Inspector	rs 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].
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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

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

3A: 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>	ММ	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.

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LEA: Owosso P	ublic Schools	Date: July 1, 2003				
Address: 1405 N	lorth St.	Ososso, MI	4886			
Stre	et Number	City/State	Zip			
BLDG: <u># 7</u>	Jr. High School	215 N. Water St.	Owosso			
Number,	Name, Address if different from LEA					
Reinspection perfor	rmed by <u>Kevin L. Fesler</u>	r	Date: June 16, 2003			
Accreditation Num	ber and State	A 12503 Michigan				
Inspectors Signatur	e Ker C. f	reser				
	Inspectors	Findings/Assessments				
Changes noted in	the condition of know	n or assumed ACBM: [7	63.85]			
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

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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

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

A: 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)

[763.85	(b)(3)(vii)]	
LEA: Owosso Public Schools	Date:	July 1, 2003
Address: 1405 North St.	Ososso, MI	
Street Number	City/State	48867 Zip
BLDG: # 8 Lincoln Elementary School	100 S. Michigan St.	
2.200	Address if different from LEA	Owosso
Reinspection performed by Kevin L. Fesler	Date:	June 16, 2003
Accreditation Number and State A 12		10, 2005
Inspectors Signature Head	22	
Inspectors Find	lings/Assessments	
Changes noted in the condition of known or a No Visible Changes Noted	assumed ACBM: [763.85]	Ĺ
Exact locations of any samples that were collegermine location of samples 1763 861	ected during reinspection	and west - 1
letermine location of samples [763.86].	Temspection :	and method used to
No samples were collected.		
) Sample location for surfacing materila we Publication (EPA 560/5-85-03a Oct. 85) A SCHEME FOR FRIABLE SURFACING	ODESTUSIN REDGE CIMB	ol set forth by Table 2 LIFIED SAMPLING

SCHEME FOR FRIABLE SURFACING MATERIAL. (PINK BOOK)

environment.

enter mark as appropriate

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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

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# 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

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

A: 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	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 = "enificantly damaged friable surfacing ACBM, 4 = Damaged or significantly friable miscellaneous material, 5 = ACBM with the tential 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.

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Ave. Steller to the	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, A	ddress if different from LEA	
Reinspection performed by Kevin L. Fesler	Date:	June 16, 2003
Accreditation Number and StateA 12 Inspectors Signature	ol.	
	-	
Inspectors Find	ings/Assessments	
Inspectors Find		
	4-5-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	
Changes noted in the condition of known or a	4-5-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	
Changes noted in the condition of known or a	4-5-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	

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

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Assessments or reassessments	made	of friable	material	763.881.
		A M. DOR HARDING WAS	THE OF S A WAS W	100.001

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 A1

# HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001 A: 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.

LEA	:Owosso Pul	olic Schools		Date:	July 1, 2003
Addr	ress: 1405 No	rth St.	Ososso, MI		48867
	Street	Number	City/State		Zip
BLD	G: <u># 10</u>	Warehouse	1310 S. Cedar St.		Owosso
	Number,	Name,	Address if differen	nt from LEA	
Reins	spection perforn	ned by <u>Kevin L. Fes</u>	ler	Date:	June 16, 2003
	editation Number	X	A 12503 Michigan		
inspe	ectors Signature	1/00	C COX		
		Inspecto	ors Findings/Assessmen	ts	
Chai	nges noted in th	re condition of kar	own or assumed ACBM	[: [763.85	
Exac deter	No Visible Cl		ere collected during re L	inspection	and method used to
	No samples w	ere collected.			
( )	Publication (E	PA 360/3-83-03a O	terila were determined as ct. 85) ASBESTOS IN B FACING MATERIAL. (1	LDG SIMI	PLIFIFT SAMPLING
( )	selected at ran	dom to insure suffice	ng for Thermal System In cient numbers were taken terial and possibly create	ito cover s	diare footoge of area

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Assessments or reassessments made of friable material [7	63.881.
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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

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# HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001 3A: 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	TSI	Y	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

Insulation

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.

144		c Schools		Date:	July 1, 2003
Add	ress:1405 Nort	h St.	Ososso, MI		Jan.
	Street N		City/State	-	48867 Zip
DIE	0.44				Zip
BLL		Washington Eleme			Owosso
	Number,	Name,	Address if different from	om LEA	1
Rein	spection performe	d by Kevin L. Fes	ler	Date:	June 16, 2003
				Daic.	June 10, 2003
Accı	editation Number	and State	A 12503 Michigan		
Inspe	ectors Signature_	Kein G	for		
		Inspecto	rs Findings/Assessments		
Cha	nace noted in the	79			
Charte	inges hoted in the	condition of kno	wn or assumed ACBM: [	763.85]	
Exac deter	t locations of any mine location of	samples that we samples [763.86]	ere collected during reinsp	ection :	and method used to
Exac deter	t locations of any mine location of No samples wer	samples [703.80]	ere collected during reinsp	ection	and method used to
Exac deter	No samples wer Sample location Publication (EPA	e collected.  for surfacing mate	ere collected during reinsp erila were determined as per et. 85) ASBESTOS IN BLDC ACING MATERIAL. (PINI	Protoco	ol set forth by Table 2

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## 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

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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 <math>(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.

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# 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

April 11, 2006

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

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

12006

The findings are detailed on a building by building basis.

Administration Building: Asbesto

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



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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

SixF1: 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	Т	Υ	NF	5	Basement Furnace Room	Maintain by O& M
2	9" x 9" Floor Tile 150 ft <sup>2</sup>	М	Υ	NF	5	Break Room and Janitors Closet	Maintain by O& M
3	9" x 9" Floor Tile Mastic 150 ft <sup>2</sup>	М	Υ	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 =1Damaged 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

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## .ERA 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	Т	Υ	NF	5	Throughout Building	Maintain by O& M
2	Pipe Joint Insulation	Т	Υ	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 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

Date: April 6, 2006

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## **ERA 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	М	Υ	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Υ.	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	1	Υ	NF	5	Throughout building	Maintain by O& M
4	Spray on Ceiling 6,800 ft <sup>2</sup>	s	А	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>	М	А	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.

:RA Assessment Category: 1 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

Date: April 6, 2006

#### ....ERA 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	М	Y	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	Т	Y	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	M	Υ	NF	5		Maintain by O& M
4	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
6	Spray on Ceiling 12,200 ft <sup>2</sup>	s	Υ	NF	5	1957 Addition	Maintain by O& M
7	9" x 9" Floor Tile 23,500 ft <sup>2</sup>	M	Υ	NF	5	Throughout building	Maintain by O& M
8	9" x 9" Floor Tile Mastic 23,500 ft²	M	А	NE	5	Throughout building	Maintain by O& M

erial Category:

T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

estos:

Y = Tested and found to contain asbestos

N = Tested and found not to contain asbestos

A = Assumed positive, not tested.

- AHERA Assessment Category: 1 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

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#### ERA 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	М	Υ	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	T	Υ	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	М	Υ	NF	5		Maintain by O& M
4	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	1	Υ	NF.	5	Throughout building	Maintain by O& M
6	Spray on Ceiling 6,800 ft <sup>2</sup>	s	Υ	NF	5	1957 Addition	Maintain by O& M
7	9" x 9" Floor Tile 22,200 ft <sup>2</sup>	M	Υ	NF	5	Throughout building	Maintain by O& M
8	9" x 9" Floor Tile Mastic 22,200 ft²	М	A	NF	5	†	Maintain by O& M

T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Y = Tested and found to contain asbestos

N = Tested and found not to contain asbestos

A = Assumed positive, not tested.

- AHERA Assessment Category: 1 =1Damaged 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;
  - No assessment catergory provided in original inspection.

Material Extracted by:

Kovin L. Fooler

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#### A LERA 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		Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	М	Υ	NF	5		Maintain by O& M
2	Pipe Insulation	T	Υ	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 10,360 ft <sup>2</sup>	М	Υ	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 10,360 ft <sup>2</sup>	М	А	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 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

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#### A. . ¿RA 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	М	Υ	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	Т	Y	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	М	Υ	NF	5		Maintain by O& M
4	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	Т	Y	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile 13,630 ft <sup>2</sup>	М	Υ	NF	5	Throughout building	Maintain by O& M
7	9" x 9" Floor Tile Mastic 13,630 ft²	M	А	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 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

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#### ALERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools B

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	М	Υ	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 100 ft²	М	Υ	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 100 ft²	M	А	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 =1Damaged 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

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#### ERA 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		Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	М	Υ	NF	5		Maintain by O& M
2	Tank Insulation	Т	Y	NF	5	Boiler Room	Maintain by O& M
3	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	Pipe Joint Insulation	Т	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile 15,720 ft <sup>2</sup>	М	Υ	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile Mastic 15,720 ft²	М	А	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.

ERA Assessment Category: 1 =1Damaged 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;

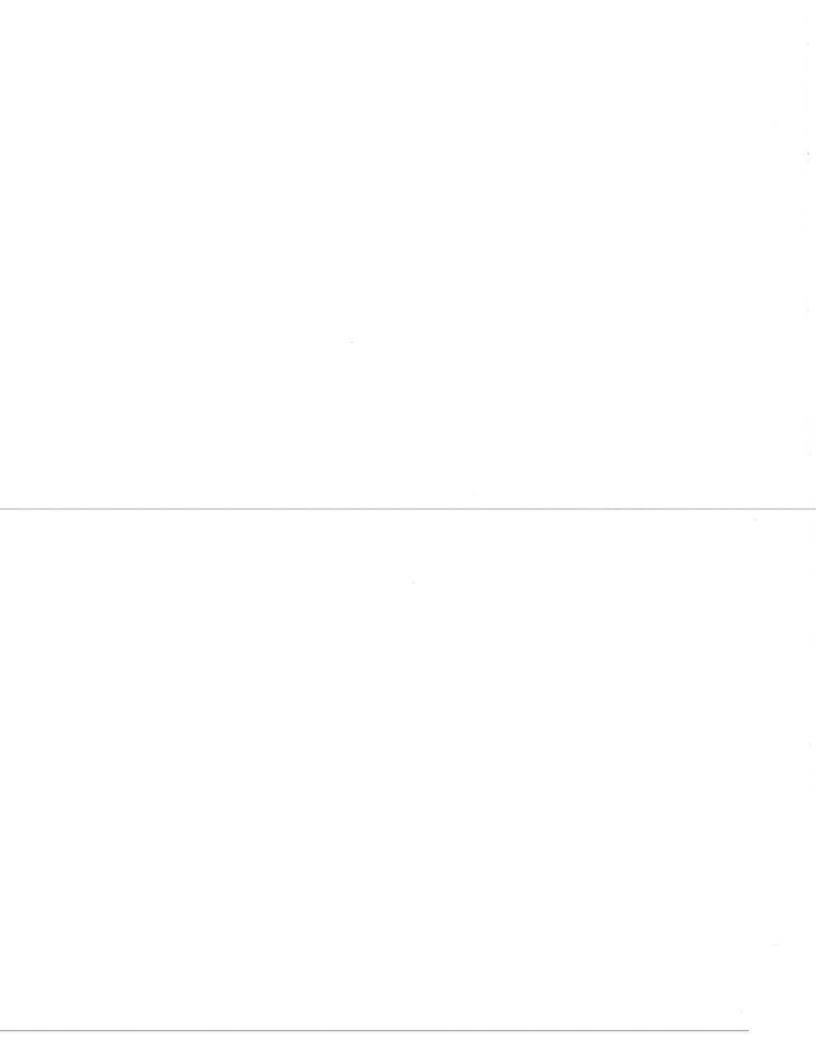
7 = Any remaining friable ACBM or friable suspected ACBM;

X = not applicable (material is not ACBM or non-friable surfacing or miscellaneous material;

N = No assessment catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler



#### .ERA 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		Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	М	Υ	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 21,000 ft <sup>2</sup>	М	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 21,000 ft <sup>2</sup>	М	А	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

iN = Tested and found not to contain asbestos

A = Assumed positive, not tested.

AHERA Assessment Category: 1 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

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#### AMERA 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		Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	М	Υ	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 85,000 ft <sup>2</sup>	M	Υ	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 85,000 ft <sup>2</sup>	М	А	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 =1Damaged 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

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## OWOSSO PUBLIC SCHOOLS

### EMERSON ELEMENTARY SCHOOL 515 E. OLIVER ST.

## INSPECTION/MANAGEMENT PLAN

**APRIL 2014** 

## FROME MEBRIC OSSONO

# TRANSPORTED TO A SELECTION OF A SELE

MALITER TO NAMED AND STREET OF

110

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Consultant Accreditation Statement LEA Responsibility Certification

#### V. Recordkeeping

Preventive Measures and Response Actions
Response Action Clearance Monitoring
In House O & M Training
Periodic Surveillance
O & M Cleaning
O & M Activities
Major Fiber Release
Minor Fiber Release

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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
  - 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

			*
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#### 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

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#### **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

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#### **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

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#### **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 ---

 $^{\sim}$  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

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#### 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.

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

ASBES	TOS M	ANAGEMENT	PLAN	
	LEA	Information		
Local Education Agency (LEA)     OWOSSO PUBLIC SCHOOLS	Name			
2. LEA Address			38	
Street		City		Zip
645 ALGER ST.	OW	OSSO		48867
3. LEA Designated Person				
Last		25 12	First	M.I.
HOCK		DAN		1
4. Designated Person Address (If	Differe	ent than LEA Ad	dress)	
Street		City		Zip
Designated Person Training Int     Designated Person Training Int				ω.
6. Designated Person Training Information				
TEOC DESIGNATED PERSON TRAINING - MAY 7, 2003				

**LEA Name** 

ALL

SB#

**OWOSSO PUBLIC SCHOOLS** 



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: NIA

MICHAEL R. TILLOTSON, CIH, CHMM

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

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### 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.
- 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 <u>Designated Person</u> are according to an interpretation of AHERA in general and specifically Subpart E 763.84(g)(2).

Owosso Public Schools	25	(LEA) has designated
the following individual to be th	e LEA's <u>Designated Per</u> s	
Donald W. Leveille	Dir. of Business	Operations (517) 723-8131
Name	Title	Tel. no.
P.O. Box 340	Owosso	MI 48867
Address	City	State Zip
Federal Register dated10/10, Date(s) attended:	pestos Abatement Sa n Course in the nea /87 and meet the ab	afety and Health. Will
Conducted by: (include address)	14	

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### 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 <u>Designated Person</u>, 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:

EAJ(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. Levalle Dir. of Bisiness opentions 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
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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

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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, 0 & M, and training (form 93H)).

Don Leveille

date

		*	

**LEA Name** 

OWOSSO PUBLIC SCHOOLS

SB#	School Building Name	
1	BENTLEY ELEMENTARY SCHOOL	OL
Building Address		
Street	City	Zip
1375 W. NORTH ST.	OWOSSO	48867
Building Contains:	301	-
1. Friable ACBM	☐ 2. Non-Friable ACBM	X
3. Friable Material Assumed to be	ACM   4. Non-Friable Materia	l Assumed
	to be ACM	×
5. None of the Above		_
SB#	School Building Name BRYANT ELEMENTARY SCHOOL	DL I
Building Address		
Street	City	Zip
925 HAMPTON ST.	OWOSSO	48867
Building Contains:	7	
1. Friable ACBM	☐ 2. Non-Friable ACBM	$\square$
3. Friable Material Assumed to be		T:
5. None of the Above	to be ACM	∑

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#	School Building Name	
3 ***	CENTRAL ELEMENTARY SCHOOL	DL
Building Address		
Street	City	Zip
600 W. OLIVER ST.	OWOSSO	48867
Building Contains:		
1. Friable ACBM	2. Non-Friable ACBM	X
3. Friable Material Assumed to be	ACM 4. Non-Friable Material	Assumed
	to be ACM	X
5. None of the Above		
	School Building Name	2
4	EMERSON ELEMENTARY SCHOOL	DL
Building Address		9
Street	City	Zip
515 E. OLIVER ST.	owosso	48867
Building Contains:		
1. Friable ACBM	2. Non-Friable ACBM	$\square$
3. Friable Material Assumed to be		<del></del>
	to be ACM	i Assumed i
5. None of the Above		الـِنَا

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OWOSSO PUBLIC SCHOOLS

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	e ACM 🔲 4. Non-Friable Materi	ial Assumed				
	to be ACM					
5. None of the Above		-				
SB#	School Building Name					
6	WASHINGTON/LINCOLN/ADMIN	I. SCHOOLS				
Building Address						
Street	City	Zip				
515 E. OLIVER ST.	OWOSSO	48867				
Building Contains:						
1. Friable ACBM	☐ 2. Non-Friable ACBN	<b>/</b> 🔯				
3. Friable Material Assumed to b		· —				
	to be ACM	<b>1</b>				
5. None of the Above		<del></del>				

**LEA Name** 

OWOSSO PUBLIC SCHOOLS

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 ACBN	n [X				
3. Friable Material Assumed to be						
	to be ACM					
5. None of the Above		-				
SB#	School Building Name					
8	o₩osso High school					
Building Address						
Street	City	Zip				
765 E. NORTH	OWOSSO	48867				
Building Contains:						
1. Friable ACBM	2. Non-Friable ACBN	л 🖂				
3. Friable Material Assumed to be		•				
	to be ACM	<u> </u>				
5. None of the Above	<u> </u>					

LEA Name

OWOSSO PUBLIC SCHOOLS

SB#	School Building Name					
9	OLD ADMINISTRATION/STORAGE BUILDING					
Building Address						
Street	City	Zip				
1405 W. NORTH ST.	OWOSSO	48867				
Building Contains:	2 1	K2				
1. Friable ACBM	2. Non-Friable ACBM	[X]				
3. Friable Material Assumed to be	ACM 4. Non-Friable Material	Assumed				
	to be ACM	X				
5. None of the Above		6.				
SB#	School Building Name					
10	CEDAR ST. MAINTENANCE/WARE	HOUSE				
Building Address						
Street	City	Zip				
1310 CEDAR ST.	OWOSSO	48867				
Building Contains:						
1. Friable ACBM	2. Non-Friable ACBM					
3. Friable Material Assumed to be		Assumed				
5. None of the Above	to be ACM	K.				

**LEA Name** 

OWOSSO PUBLIC SCHOOLS

SB# School Building Name						
11	TRANSPORTATION CENTER/BUS GARAGE					
Building Address						
Street		(	City	Zip		
630 JEROME ST.	owo			48867		
Building Contains:						
1. Friable ACBM		□ 2.	Non-Friable ACBM			
3. Friable Material Assumed to be	∋ ACM	4.	Non-Friable Material	Assumed		
in the state of th			to be ACM			
5. None of the Above			E			
SB#	School E					
12	VEHIC	LE REF	AIR/WAREHOUSE			
Building Address						
Street .		City		Zip		
208 CASS ST.	OW	osso		48867		
Building Contains:						
1. Friable ACBM		□ 2.	Non-Friable ACBM	П		
3. Friable Material Assumed to be	ACM	_	Non-Friable Material	 Assumed		
			to be ACM	<u> </u>		
5. None of the Above						

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**LEA Name** 

OWOSSO PUBLIC SCHOOLS

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	П
3. Friable Material Assumed to be		al Assumed
	to be ACM	X
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		al Assumed
	to be ACM	
5. None of the Above		

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	**	

**LEA Name** 

OWOSSO PUBLIC SCHOOLS

### **Notification Procedures**

SB#(s)	Covered							
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NOTITICA	ation Procedu	ures						
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**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

		(42)	

LEA Name OWOSSO PUBLIC SCHOOLS						
*	SB#					
Inspector and Building Data						
Date of Inspection     FEBRUARY 1988						
Inspector Name     Last	First	M.1.				
TANNER	TIM					
3. Inspector Signature SEE ATTACHED		Date FEB 1988				
OLL ATTACHED		FEB 1988				
State of Accreditation     MI	1					
5. Accreditation Number B1031	]					
6. Building Name						
7. Building Address Street	City	Zip				
SEE ATTACHED	V					
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

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

Director Continuing Education 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 <u>38</u>

DATE OF EXPIRATION

JANUARY 5 , 19

Muster Director
Continuing Education and Public Services

facel a Know 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

President, Nova Environmental, Inc.

Instructor

e e		

LEA Name	
OWOSSO PUBLIC S	SCHOOLS
SB#	
ALL	

# **Homogeneous Area Report**

Homogeneous Area (HA) Name	HA#	F/NF	K/A/N	Classificatio n SM/TSI/MM	Size SF/LF
SEE ATTACHED					
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	LEA NAME OWOSS	O PUBL	IC SCHO	OOLS
± 12	SB#			8
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FUNC	TIONAL SPAC	E		
SEE ATTACHED FOR LOCATION	ONS OF HA's			
unctional Space (FS) Name				
Homogeneous Area	HA#	F/NF	K/A/N	Classification SM/TSI/MM
*				
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unctional Space (FS) Name				
Homogeneous Area	HA#	F/NF	K/A/N	Classification SM/TSI/MM
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LEA Name	
OWOSSO PUBLIC SCHOOLS	
SB#	
ALL	

# **Sampling Log**

HA#	Sample #	Sample Date	Analysis Date	Analysis Results	
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Note: Attach Copies of Analysis Reports

LEA	A Name				
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# 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 Elementry 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

All PW and El 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 El, AS-ACM, NF, GC, except: \* -- 1 El under rm 108, rewrap
  - --- In whole building: 1,400 lin ft ACPW, AS-ACM, w/30 lin ft PW and 15 El 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 El. 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

<u>Tunnel</u>

- \* --- 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 El. NF. GC
  - SPECIAL NOTES:
  - --- All floor tile AS-ACM, NF, GC see Floor Tile Sheet 22,220 sq ft

# FLOOR TILE INFORMATION SHEET

Trust Inermal Systems, 10445 Wright Road, Eagle, Michigan 48822

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, Owoseo, MI 48867

9" Tile Sq. Ft. 607

12" Tile Sq. Ft. 3450

12 x 6 Tile Sq. Ft. 11660

S. & E. Entrance

Room 4, 5, 6, 7, 8

Poom 101, 102, 103, 104, 105, 106

Total Sq. Ft. 13646

Kitchen

H.L. Office

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 9" Tile Sq. Ft.-Second Floor 5880

Room 103, 104, 106, 107, 108, 109

Room 201, 202, 203, 205, 206, 207,

110, 111, 112, 115

208, 209, & Lame

Kitchen

Sturage

Office

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

9" Tile Sq. Ft. 22794

12" Tile Sq. Ft. 464

21 Classrooms

Kitchen

Room 121, 133, 103, 110

Storage Room by Media Center

Large, Office, Large

Other Lange, 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, Longe

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 Iounge, Roam 11, Sick Roam, Roam 111, 118, 119, 203, 204, 209 212, 301, 304, 305, 306, 307, 309

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## FLOOR TILE INFORMATION SHEET

Trust Inermal Systems, 19445 Wright Road, Eagle, Michigan 48822

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 <u>not</u> contain floor tile, you may do so, but please clearly label it as such).

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

9" Tile Sq. Ft. 3545 Kitchen Rccm 202, 203 Hall Multi Purpose Rccm

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

9" Tile Sq. Ft. 85303 Total

100 Wing-12552

Recom 100, 101, 102, 103, 104,
105, 106, 107, 108, 109, 110, 111,
112, Storage, 2 Conf. Recoms

200 Wing-15560

Room 202, 203, 204, 205, 206, 207, 208
209, 210, 211, 212, 214, 215, 219, 220

14 14 14 14 14 1
221, Storage, Bookstore & Storage

300 Wing-13368
Ream 300, 301, 302, 303, 304, 305, 306, 307; 308, 309, 310, Störage

400 Wing-11524
Roam 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 413, 414 415, Storage

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

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

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

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## FLOOR TILE INFORMATION SHEET

Trust Inermal 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, Cwosso, 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:

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# 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 15 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.

A DOMESTIC AND LONG THE REAL PROPERTY OF THE PARTY.

Building: Bryant Elementary 1 Fire door on boiler room Philips Mfg. Co. fire door - wood filled metal.

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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.

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# 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: Lincoln School
2 Fire doors on boiler room
1 a constructed wood filled metal door and the line of the li

Building: Roosevelt Elementary

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

All are wood doors covered with metal.

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Rurling: 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.

resident for the second became in a

7 Fire doors Pioneer Fire proof door rated 14 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.

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 15 hrs. B and 3/4 hrs. C. per the following list.

1 's hours B	3/4 hours C
308	3 DD Pleas N Hall
Custodial (5)	3 RD Floor N. Hall
205	3 RD Floor Middle
202	3 RD Floor S. Hall (2)
Old Stairwell	2 ND Floor S. Hall (2) 2 ND Floor Middle (2)
Stage (2)	2 ND Floor N. Hall
Band Storage	1 ST Floor N. Hall
Band Exit	1 ST Floor Middle (4)
121	l ST Floor S. Hall (2)
Kitchen (2)	Cafe (4)
11. "	Center Hall (3)
and the state of t	2 (3)
	Shop Hall
3	Basement West (2)
112 (2)	1 ST Floor West (2)
113 (3)	21
114 (5)	23
W. Bath (2)	2 114
116	Basement Stairwell
19 (2)	
22	200 P
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Tunnel	
24 (8)	Apr.
Filter Room	10 mg
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Boiler Room	
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# 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

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# 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

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# 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 condtion, NF. There was also 320 square feet of Gold Brand Fire Rated drdywall 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 condtion, NF.

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# 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 condtion, 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 condtion, 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 condtion, 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 condtion, 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 condtion, NF.

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## 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

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 condtion, but by the nature of ceiling tile was friable.

#### BENTLKY KLEMENTARY

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 condtion 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 condtion 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 condtion but by the nature of ceiling tile was friable.

#### CENTRAL KLEMENTARY

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 condtion 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 condtion 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 CRILING 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 condtion 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 condtion but by the nature of ceiling tile was friable.

#### WASHINGTON KLEMENTARY

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.

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Haza	ard Assessm	ent	
1. Inspector Name			
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# 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.

- 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,
- 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

(<)	(	)		×	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.
$\otimes$	(	)	•	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)
<b>ζ</b> ν)	(	)		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.
$(\chi)$	(	)		4.	AREA #2 1957 ADDITION  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.
$\propto$	(	)_		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.

<u>Vina Vanner</u> 00 852 5-4-88
Tim Tanner cert. # date

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

## Owosso Public School Letter of recommendation for ACM

Romand

## EMERSON ELEMENTARY SCHOOL

AGREE	DISAGREE	-	AREA # 1 BOILER ROOM & ORIGINAL BUILDING
( )	( <b>X</b> )	И.	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 30 lin ft in the boiler room all assumed ACM nonfriable. Our recommendation is O&M. (See ACM map for location)
( )	(X)	56	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. Repaired
$(\times)$	( )	4.	AREA #2 1957 ADDITION Callings (Stanwell) 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.
( )	(4)	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.
(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. OWM suggested.
	GENERAL	BUIL	DING STATEMENTS
(★)	( ) <sub>**</sub>	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.
<b>(X)</b>	. ( )	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.

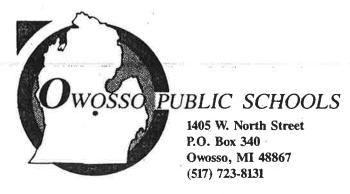
Vin Vaune 00 852
Tim Tanner cert. # date

Donald W. Leveille

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date

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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

Date

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LE/	A Name	
	OWOSSO PUBLIC SCHOOLS	
SB	#	
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# **Building Description**

Building	Description					
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## 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
21	Bryant Elementary School 925 Hampton Street Owosso, Michigan	1950 & 1957	1 / 56,876	23.0	1 – Portable Classroom on site
3 V	Central Elementary School 600 W. Oliver Street Owosso, Michigan	1950	2 / 43,170	3.7	
1	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
of to	Washington Elementary School 645 Alger Avenue Owosso, Michigan	1924 /1934 & 1949	2 / 55,656	3.2	Basement and 1- Portable Classroom
17/	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	
5/4	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
20LF	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	?	
FOL	Vehicle Repair / Warehouse 208 Cass Street Owosso, Michigan	Unknown	1 / 13,070	24	
7, v	Willman Field 630 Jerome Avenue Owosso, Michigan	1930's	13100	5.44	Press Box and Restrooms
				4	

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## Owosso Public School District Property Summary

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

Laboratory Information							
Laboratory Name	н ж						
VARIOUS LABS USED - SEE A	ATTACHED						
2. Laboratory Address							
Street	City	State	Zip				
		T					
3. Analyst Name							
ast	First	ł	M.I.				
SEE ATTACHED			T				
I. Analyst Signature	*		Date				
5. Applicable Requirements Staten	nent						
LABORATORIES M	IEET THE REQUIREMENTS C	)F 763.87a					
		(4)					

**LEA Name** 

SB#

OWOSSO PUBLIC SCHOOLS

	LEA Name				
# E	OWOSSO PUBLIC SCHOOLS				
×	SB#				
	the state of the s				
Recommendations					
	×				
Management Planner Name					
Last		First	M.I.		
TANNER	TIM				
2. Management Planner Signature			Date		
SEE ATTACHED			MAR 1988		
3. State of Accreditation			11211111000		
MI			8		
4. Accreditation Number	-				
B1030	1				
5. Recommendations	<b>.</b>				
SEE ATTACHED					
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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				

LEA Name

SB# ALL

OWOSSO PUBLIC SCHOOLS

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### Owosso Public School Letter of recommendation for ACM EMERSON ELEMENTARY SCHOOL

## AREA # 1 BOILER ROOM & ORIGINAL BUILDING

(⋉)	( ,,)	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.
$\otimes$	( )	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)
(%)	( )	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.
$(\nearrow)$	( )	AREA #2 1957 ADDITION  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.
$\propto$	14 1024 <b>(</b> 2 <b>)</b> <sub>6.5</sub>	5. The tunnel has 105 Elbow assumed ACM nonfriable, non-friable. 0&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.

<u>Jim Vanner</u> 00 852 5-4-88

Tim Tanner cert. # date

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

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	LEA Name OWOSSO PU	BLIC SCHOOLS	3
	SB# ALL		
P	ersonnel Accreditatio Statement	n	A.
.EA Designated Person Na	nme		
	nme	First	M.I.
EA Designated Person Na t HOCK	DAN	First	M.I

3. Accreditation Statement

1.

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

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1. LEA Designated Person Name

LEA Name			
OWOSSO P	JBLIC S	CHOOLS	*******
SB#			
ALL			

# Personnel Accreditation Statement

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 PUBL	IC SCHOOLS
SB#	
ALL	3

### **Remaining Asbestos**

Description	
SEE ATTACHED	
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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  $#1 -- \sim 5'$  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

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### 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

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## **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

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## **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

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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

LEA Name	
OWOSSO PUBLIC SCHOOLS	
CD#	
SB#	
a e e e e e e e e e e e e e e e e e e e	
Future Activities	
Surveillance and Reinspection Plan	
OWOSSO PUBLIC SCHOOL WILL PERFORM THE PERIODIC INSPECTIONS E	/ERY 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	
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#### 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 indentifies 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-weighed 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.
- 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.

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## 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:

- 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:

## Respiratory Protection Program page 5

#### 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.
- 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

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### 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 0 & 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 0 & 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
- 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 - <u>Designated Person</u> (DP) <u>Form</u> 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.

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## 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 - <u>Fiber Release Episode Protocol</u> and or 91D -<u>Conducting Activities That Disturb Friable Asbestos Fibers</u> must be followed. This is to be reviewed during a custodial staff meeting during the month of September.

Friable Surfacing Material - No activites 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 0 & 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:
  - 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:

Friday June 20, 1986

### 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

## 29 CFR Parts 1926.58 Medical Surveillance

- (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.

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	LEA Name
22	WOSSO PUBLIC SCHOOLS
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Fut	ure Activities
	continued)
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3. Additional Cleaning Recommendat	ion
SEE ATTACHED	
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4. LEA response to Additional Cleanii	ng Recommendation
SEE ATTACHED	ig Necommendation
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LEA Name		
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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

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# **Consultant Accreditation Statement**

1. LEA Designated Person Name

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HOCK	DAN		
. LEA Designated Pers	on Signature		Date
. Accreditation Stateme	ent	0	ű i
INSPECTION/MAN	TS WHO PARTICIPATED IN IAGEMENT PLAN ARE ACCI F MICHIGAN AS REQUIRED	REDITED	
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# **Consultant Accreditation Statement**

1. LEA Designated Person Name		
Last	First	M.I.
2. LEA Designated Person Signature		Date
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3. Accreditation Statement		
ALL CONSULTANTS WHO PARTI INSPECTION/MANAGEMENT PLA BY THE STATE OF MICHIGAN AS	AN ARE ACCREDITED	
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LEA Name	
OWOSSO PUBLIC SCHOOLS	1-1-1-1-1
SB#	

### LEA Responsibility Certification

1. LEA Designated Person

Last		First	M.I.
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2. LEA Designated Person Sign	ature		Date
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3. Responsibility Statement	1 10	+	
THE GENERAL LEA RESPO OR WILL BE MET	DNSIBILITIES UNDE	R AHERA 763.84 H	IAVE BEEN
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1. LEA Designated Person

LEA Name	2.0011001.0
OWOSSO PUBLIC	SCHOOLS
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SB#	

# LEA Responsibility Certification

Last	First	M.I.
LEA Designated Person Signature		l Date
3. Responsibility Statement	*	ř.
THE GENERAL LEA RESPONSIBILI OR WILL BE MET	TIES UNDER AHERA 763.84 H	AVE BEEN
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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

**LEA Name** 

SB#

**Description of Preventive Measures** 

OWOSSO PUBLIC SCHOOLS



# **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:

- 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

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### 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

	e:		

	ALL  Preventive Measures e Actions (continued)	
Name of Contractor involved		
Last	First	M.L
TO BE DETERMINED		
State of Accreditation     MI     Accreditation Number		2
	,	
Name of Contractor Involved		
Last	First	M.I.
State of Accreditation     Accreditation Number		1
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**LEA Name** 

**OWOSSO PUBLIC SCHOOLS** 

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	OWOSSO PUBLIC SCHOOLS
	SB#
	ALL
Response Action	n Clearance Monitoring
Name of Person Collecting Air Samp	le
Last	First M.I.
TO BE DETERMINED	Will.
2. Air Sampler's Signature	
3. Locations Where Air Samples Were	Collected
WHERE ABATEMENT/O&M PROC	
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4. Date Air Samples Collected	
TO BE DETERMINED	
5. Name and Address of Laboratory An	alyzing Samples
ANY AIR SAMPLING SENT TO A LA	AB WILL REQUIRE THE LAB TO BE NLAP
ACCREITED	
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6. Date of Analysis	The state of the s
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**LEA Name** 

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# In-House O & M Training

1. Person's Name and Job Title

SEE ATTACHED COPIES OF TRAINING PROVIDED

2. Date of Training

**VARIOUS** 

Location of Training

OWOSSO PUBLIC SCHOOLS AND TRAINING PROVIDERS

4. Number of Hours of Training Provided 2HR; 8HR; 16HR; 40 HR

CONSTRUCTION SAFETY AND HEALTH DIVISION - ASE AHERA MANAGEMENT PLAN	BESTOS PROGRAM	
WEILY IN MAGEINER I LEM	LEA Name	
*	OWOSSO PUBLIC SCHOOL	S
	SB#	
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Periodi	ic Surveillance	
1. Name of Person Performing Surveille	ance	
Last	First	M.I.
SEE ATTACHED		
Date of Surveillance     VARIOUS	7	i,
3. Description of Changes in the Condi		
SEE ATTACHED PERIODIC INSP	PECTIONS	
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Periodic Surveillance Forms F-4

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# 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

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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.

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

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

Kevin L. Fesler, President

4029-B

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# 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

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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.

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

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.

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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 4029-A

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#### Name of Inspector <u>David Lee Phelps</u>

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
Emerson	15	THE PERSON NAMED IN COLUMN		CASTLAND CONTRACTOR OF THE STATE OF THE STAT
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 srage- 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				

Signature of Inspector

Date

Due date of the next inspection: June 26, 1998

Emer92D

#### 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
Emerson				
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows			ور	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				Total 20 121 eloses, pipe joint needs repair
Ceilings				
Walls				
Floors				

David Lee Phel	AS 10/15/96
Signature of Inspector	Date

Due date of the next inspection: December 26, 1996

Bent92D

on Leveille
Designated Person
ction was conducted 12-21-95
responsibility to visually inspect and d record the present status of <u>all</u> ACBM or ocated in the LEA's buildings, as indicated
Changes: Comments:
13-31-95 Or Date

Name of inspectorDo	n Leveille	Tom Lennox		
Position with the LEA _	Designated H	erson		
Date(s) that the inspec	ction was con	nducted	8-2-95	
It is the inspector's rassess all changes, and assumed ACBM that is lower than the management plan.	cated in the			
List ACBM locations Building name:	Changes: No Min Maj	Comments:	- 1	
Emerson				
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows				
1957 Addition Ceilings Hallways Tunnel-Elbows Media Center				
Walls Floors Ceilings		0.0		
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Thomas form	mp		8-2-9	5
		December	Date	
Due date of the next in	epection: _	pecember	26, 1995	

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Name of inspector Do	n Le	eveil	lle	or Tom Lennox
Position with the LEA	Des:	ignat	ed F	Person
Date(s) that the inspec	ctio	n was	s cor	nducted December 15, 1994
assumed ACBM that is lo in the management plan List ACBM locations	Cha	ed in	the the	ty to visually inspect and present status of <u>all ACBM</u> or e LEA's buildings, as indicated.  Comments:
Building name: Emerson	No	Min	Maj	•
			2	Teo V R E
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows	-		2	
1957 Addition Ceilings Hallways Tunnel-Elbows Media Center				
Walls Floors Ceilings			3 <sub>6</sub>	
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Thomas Lenne	2000 20		n E	
Signature of inspecto	) r			12-15-94 Date
Due date of the next in	spec	ction	ı: <u> </u>	June 26, 1995

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Name of inspector Tho	mas Lenno	×			
Position with the LEA	Asbestos	Supervisor	/Maintenanc	e	
Date(s) that the inspec	ction was	conducted	March 3,	1994	
It is the inspector's racess all changes, and assumed ACBM that is lo	d record cated in	the present	status of	all ACBM or	- ed
List ACBM locations Building name:	Changes: No Min		its:		100
Emerson		1			
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows	x x x	4		1	
1957 Addition Ceilings Hallways Tunnel-Elbows Media Center	x x x x				
Walls Floors Ceilings	x x x				
		=			
Thomas Lenny	0	T.	3-9	-94	
Signature of inspect		_	Date		
Due date of the next in	spection	:	1994		_ `

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Name of inspectorDo	on Leveille
Position with the LEA	Designated Person
Date(s) that the inspec	ction was conductedJune 15, 1994
assess all chandes, and	responsibility to visually inspect and d record the present status of <u>all</u> ACBM or ocated in the LEA's buildings, as indicated
List ACBM locations Building name: ,	Changes: Comments: No Min Maj
Emerson	
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows	or or
1957 Addition Ceilings Hallways Tunnel-Elbows Media Center	
Walls Floors Ceilings	
Quena Lenn	6-15-94
Signature of inspecto	Date
Due date of the next in	espection: December 26, 1994

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*			

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: No Min Maj  Emerson  Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 2 elbows  1957 Addition Ceilings X Hallways X Hallways X Hallways X Media Center X  Walls Floors Ceilings X Signature of inspector  December 26, 1993  Date  Due date of the next inspection: December 26, 1993			16				
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  Emerson  Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows X  1957 Addition Ceilings X Hallways X Tunnel-Elbows X Media Center X  Walls Floors X Ceilings X Ceilings X  Signature of inspector Date	Name of inspectorDo	n Lev	reille				*
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 X 2 elbows X  1957 Addition  Ceilings X Hallways X Tunnel-Elbows X Media Center X  Walls  Floors X  Ceilings X  Ceilings X  Signature of inspector Date  Date  10-21-93  Date	Position with the LEA	Desig	nated	Person			
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 X 2 elbows  1957 Addition Ceilings X Hallways X Tunnel-Elbows X Media Center X  Walls Floors Ceilings X Ceilings X Ceilings X Ceilings X Ceilings X Comments:  Malls X Floors Comments:  Malls S Floors Comments:  Danall av. Jewills  Signature of inspector  Date	Date(s) that the inspec	tion	was co	nducted	October	7, 1993	
Emerson  Pipewrap Coal Bin/Storage Room Air cell 5 open ends X 2 elbows  1957 Addition Ceilings Hallways Y Tunnel-Elbows Media Center  Walls Floors Ceilings X Ceilings X  X  Dand W. Levill  Signature of inspector	assumed ACBM that is lo	cated	ord the	Drecent	ctatua af	-11 4004	or ated
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows  1957 Addition Ceilings Hallways Tunnel-Elbows Media Center  Walls Floors Ceilings X X	List ACBM locations Building name:			Comment	:s:		
Coal Bin/Storage Room Air cell 5 open ends 2 elbows  1957 Addition Ceilings X Hallways X Tunnel-Elbows X Media Center X  Walls Floors Ceilings X Ceilings X  Tonuck and Jewill  Signature of inspector  Date	Emerson		1	Í			
Ceilings X X Tunnel-Elbows X X Media Center X X X X X X X X X X X X X X X X X X X	Coal Bin/Storage Room Air cell 5 open ends	X					
Ceilings  X  X  X  Zeilings  X  X  X  X  Zeilings  Denall av. femile  Signature of inspector  Date	Ceilings Hallways Tunnel-Elbows	X					
Signature of inspector Date	Floors	х	) :				
Signature of inspector Date							
Signature of inspector Date							
Signature of inspector Date	. '						
Signature of inspector Date							
	Donald and Peners	le.				21-93	:
			tion: _	December			

Name of inspectorDo	on L	evei	lle			
Position with the LEA	Des	ignat	ed I	Person		
Date(s) that the inspection was conducted						
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:		nges Min		Comments:		
Emerson	1	1		Bacament -t		
Pipewrap Coal Bin/Storage Room Air cell 5 open ends 2 elbows	X X X X			Basement storage across from B-10 - repair where pipes lay on blue pipe carrier.		
1957 Addition Ceilings Hallways Tunnel-Elbows Media Center	X X X					
Walls Floors Ceilings	X X X		R 50	* (c)		
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Donald n. Leveille )-19-93						
Signature of inspecto				Date		
Oue date of the next in	spe	ction	·: —	June 26, 1993		

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Name of inspector Don Leveille						
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						
<u>Emerson</u>						
Pipewrap Coal Bin/Storage Room X Air cell 5 open ends X 2 elbows X						
1957 Addition Ceilings X Hallways X Tunnel-Elbows X Pipe wrap in behind condensation pump						
Media Center  room needs repair  Locker room stage S. wall-end of pipe needs repair.						
Floors Ceilings  X X X X X needs joint repair						
Darrell on Levelle 11-3-92						
Signature of inspector  Due date of the next inspection: 12-26-92						

Name of inspector <u>Di</u>	ck Langdon/Tom Lennox
Position with the LEA	
Date(s) that the inspecti It is the inspector's res	ion was conducted 12/27/91
assumed ACBM that is loca in the management plan.	record the present status of all ACBM or ated in the LEA's buildings, as indicated
	nanges: Comments: No Min Maj
Emerson	
Pipewrap Coal Bin/Storage Room x Air cell 5 open ends x 2 elbows	\$ c
1957 Addition Ceilings Hallways Tunnel-Elbows	north tunnel repair need a joint under classroom 100
Media Center  Walls Floors	
Ceilings x	
Suchaul For	achen 1/7/07_
Signature of inspector	Date
Due date of the next insp	pection: June 26, 1992

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Name of inspector	Ri	chard	l Lar	ngdon			
Position with the LEA _ Program Director							
Date(s) that the inspec	tio	n was	cor	nductedJune 28, 1991			
assess arr changes, and	cat	cord	the	ty to visually inspect and present status of <u>all</u> ACBM or LEA's buildings, as indicated			
List ACBM locations Building name:		nges: Min		Comments:			
Emerson							
Storage Room Pipe-air cell 5 open ends and 2 friable	X X			OK			
elbows	Х			OK			
Ceilings Hallways Media Center	X			OK OK			
Tunnel Elbows	Х	σ.		ОК			
				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			
			l R				
	-						
Signature of inspects	n age	fu	-	7/15/9/ Date			
Due date of the next in		ctior	n:	December 26, 1991			

Name of inspector	Ric	chard	Land	gdon
Position with the LEA	Pro	ogram	Dire	ector
Date(s) that the inspec	ctio	n was	s con	ducted January 3, 1991
urr chandes. and	ı re ocat		+ -	y to visually inspect and present status of <u>all</u> ACBM or LEA's buildings, as indicated
List ACBM locations Building name:	Cha No	nges Min	: Мај	Comments:
Emerson		1	1	
Storage Room Pipe-air cell 5 open ends and 2 friable				OK
elbows	Х			OK
Ceilings Hallways Media Center	X			OK OK
Tunnel Elbows	Х			OK
				Waterlines under kitchen - need some repair work
	7			1+
			*	
Signature of inspector	6	2	lan	1/4/91
Due date of the next in	0	ction	n: _	June 26, 1991

			-
+t			

Name of inspector	Richard Langdon
Position with the LEA _	Program Director
Date(s) that the inspec	ction was conductedJune 20, 1990
l assess arr changes, and	responsibility to visually inspect and d record the present status of <u>all</u> ACBM or ocated in the LEA's buildings, as indicated
List ACBM locations Building name:	Changes: Comments: No Min Maj
Emerson Storage Room Pipe-air cell 5 oper ends and 2 friable elbows  Ceilings Hallways Media Center  Tunnel Elbows	
Signature of inspects  Oue date of the next in	/

	*		

Name of inspector	on L	evei	lle .	and Richard Langdon
Position with the LEA	Desi	gnat	ed P	erson and Program Manager
Date(s) that the inspe	ctio	n was	S CO!	nducted <u>September 14, 1989</u>
r wildinges. Bit	ocat	::nra	TDD	present status of <u>all</u> ACBM or <u>EA's buildings</u> , as indicated
List ACBM locations Building name:		nges Min		Comments:
Emerson	1	1		į į
Storage Room Pipe-air cell 5 open ends and 2 friable elbows	~			Repaired 3/4" water line above Kiln-end needs repair.
Ceilings Hallways Media Center	1		ř	Repainted August 1989
				Tunnel Area behind electrical room Hole in patch by square plug.
		<u>.</u> +		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.
	Y			
Sichard F. Lan	THE STATE OF THE S	la		9-14-09
Signature of inspects	1/2	vii	lle	9-14-89
Due date of the next in		ction	n:	Date December 26, 1989

Name of inspector Do	n Le	veille a	and Richard Langdon
Position with the LEA	Desi	gnated I	Person and Program Manager
Date(s) that the inspec	tion	n was co	nducted December 27, 1989
l assess all chandes. Sho	rec	ord the	ty to visually inspect and present status of <u>all ACBM</u> or e LEA's buildings, as indicated
List ACBM locations Building name:		nges: Min Maj	Comments:
Emerson Storage Room Pipe-air cell 5 open ends and 2 friable elbows	/		
Ceilings Hallways Media Center	i/		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.
Signature of inspects	le en	the	12/27/89 12/22/89 Date
Due date of the next in	nspec	ction: _	June 26, 1990

		6		
	*			

#### 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)

I Brune R. A. Sternors	7-6-89
Prame ()	Date
Day Toe Phalps	7-6-89
Name —	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

Brus R. Wickmons

Daid Helps

Inspected By:

Don Leveille

Dick Langdon

Date of Completion

July 6, 1989

Please list and give location of any debris clean-up.

963 X				
		a l		

CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBE AHERA MANAGEMENT PLAN	STOS PROGRAM				
AUTHOR MICHAGEMENT LEVIN	LEA Name				
	OWOSSO PUBLIC SCHOOLS				
	SB#				
¥	ALL				
O 9 N/	A saturation				
Odiv	l Activities				
Name of Person Performing Activities	\$				
Last	First M.I.				
SEE ATTACHED	With the second				
2. Start and Completion Dates					
VARIOUS VARIOUS					
VARIOUS					
3. Location and Description of O&M Activity					
SEE ATTACHED	10 7				
SEE AT TAGINED	**				
I.					
4. Name and Location of Storage or Disposal Site for ACM					
ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL					

CONSTRUCTION SAFETY AND HEALTH DIVISION - ASBE	ESTOS PROGRAM	
AHERA MANAGEMENT PLAN	LEA Name	
	OWOSSO PUBLIC SCHOOLS	
	SB#	
	ALL	
0 & 1	M Cleaning	
Name of Person Performing Cleaning		
Last	First	M.1.
SEE ATTACHED		
2. Date of Cleaning		
VARIOUS	]	
3. Location and Description of Cleaning	Methods	
PROCEDURES MEET O&M REQUISOLATE THE WORK AREA; WEA	JIREMENTS; OSHA REQUIREMENTS R PPE; ING;	>
PROPER COLLECTION; AND DIS	POSAL OF WASTE MATERIAL	
*		
8		
a) (2)		
"		

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

			)	

Section II: Brief Checklist of Requirements (Prior to the start of je to comply with the OSHA Asbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Work Practices Date: (A) Competent Person Requirement OS has successfully completed the 12-hour competent person training course in (Employee Name) 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 workusing 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 The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (see This form and RWP booklet will be readily available at the job site for inspection by OHSA officials. The work practices described in the Recommended Work Practices for the Removal of Resilient Floor 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 (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. **Employee Name 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

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),

(D) Notification and Demarcation

Warning signs have been posted and area has been demarcated.

		9		

<b>JOB INFORMATION</b>	
Job/Order Number:	#8215
Date of Work Operation:	July 20th, 2006
Name of Work Site:	Enerson 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)	of into the and put into An impermentle bad and disport into the disport of into the disport of into the disport of into the disport of into the disport of into the Area with a Hapa Vaccan to pick up only residue Replaced with 12"X12" tile out down to Pix 8" to Did
Names of Employees Involved in V	Vork Operation Social Security Number Approx Line
David hee the	368-58-7974
•	
This completed form should be may years. The employer should have a possession.	intained by the employer in the employee personnel file for 30 copy of the Environ Report dated May 1, 1992 in its
Signature of Authorized Representation  Signature of Control Person	ative of Employer who has assigned Competent Person to this
Owosso Public Schools Name of Employer	
1405 W. North St. Owosso, MI 4 Address Of Employer	8867
July 20th,	3006

(Local Reproduction Of This Form Authorized)

Asbestos-Containing Floor Covering using the Rec	of job) to comply with the OSHA Asbestos Standard in ommended Work Practices
	Date: July 11th 2005
(A) Competent Person Requirement	24 4 11 1000
negative exposures assessment (NEA) and supervise "on-site" NEA inspection prior to start of job and will to	illy completed the 12-hour competent person training course in ith the provisions of the OSHA standard and is qualified to conduct the removal activities on this job. Competent person will conduct be available during the removal operations to inspect the job site at ged conditions that may prevent completion of the work using the R
(B) Negative Exposure Assessment	and the state of t
Job site has been surveyed to confirm that the flooring effectively be used to remove flooring on this job, and intact meaning that the flooring has not crumbled, her	g materials is intact, that the Recommended Work Practices can that the flooring is likely to remain intact throughout removal proce on pulverized, or deteriorated so that it no longer likely to be bound ing removal operations using the recommended work practices doe condition.
Conditions of removal work to be completed on this jowork practices, and environmental conditions in the joe Environ Report dated May 1, 1992.	ob closely resemble the processes, type of material, control methods obs outlined on page 5 of this brochure and further described in the
The TWA and excursion limits during proposed job are Pages 3 and 4).	e anticipated to resemble those in the Environ test reports (see
This form and RWP booklet will be readily available at	the job site for inspection by OHSA officials.
The work practices described in the Recommended W Covering will be followed.	ork Practices for the Removal of Resilient Floor
1003 described in the Environ Report of the Recomme	removal of resilient floor covering, and do not resemble those remo nded Work Practices are no longer used on this job, I understand we steps (regulated area) must be taken in accordance with the
(C) Workers Training Requirements	
The Following individuals who will be performing the approved 8-hour training course covering asbestos su Practices in accordance with the provisions of the OS	resilient floor covering removal work have successfully completed bjects as well as training in the use of the Recommended Work HA standard.
Employee Name	Date Completed Training Course
Employee Name	Date Completed Training Course
Employee Name	Date Completed Training Course
Nominave upite so at levels below the ret and for les	d above and confirm that those employees who have worked with s than 30 days this calendar year. If an employee has worked with stand that the employee must have a medical exercise for his factor
(D) Notification and Demarcation	
the planned removal activity. The employees benchmin	iduals must be notified of the presence and location of ACM and of g the removal work, (2) employers of employees working in ither a wall, closed door or window, or other impermeable barrier),
	emarcated.

## 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 4886
Description of work operation (include type and size of resilient floor covering material removal methods used and time duration of removal activity)  Names of Employees Involve	hole Saw drilled A hole in the Montherd Center of the classroom for New A/c units on the root, using fasical area singled showing cream over the Area and using a drilled a 5" hole in the ceiling spraying down the area with water as I west catching material in bag. Hepa uncounted ent of in Work Operation  Social Security Number Area and printed exit
Jaw Hork	be maintained by the employer in the employee personnel file for 30 years. The of the Environ Report dated May 1, 1992 in its possession.
Signature of Authorized Repr Signature of Competent Pers	esentative of Employer Who Has Assigned Competent Person to this Job On
Owosso Public Schools Name Of Employer	
1405 W. North St., Owosso, I Address	<u>//I 48867</u>
July 11th, 2	005

Asbestos-Containing Floor Covering using the F	art of job) to comply with the OSHA Asbestos Standard in ommended Work Practices
(A) Competent Person Requirement	Date: August 12th 2005
(Employee Name) accordance negative exposures assessment (NEA) and supervion-site" NEA inspection prior to start of job and v	essfully completed the 12-hour competent person training course in ce with the provisions of the OSHA standard and is qualified to conduct to rise the removal activities on this job. Competent person will conduct will be available during the removal operations to inspect the job site at hanged conditions that may prevent completion of the work using the RV
Intact meaning that the flooring has not crumbled.	oring materials is intact, that the Recommended Work Practices can and that the flooring is likely to remain intact throughout removal proces, been pulverized, or deteriorated so that it no longer likely to be bound during removal operations using the recommended work practices does tact condition.
Conditions of removal work to be completed on the work practices, and environmental conditions in the Environ Report dated May 1, 1992.	nis job closely resemble the processes, type of material, control methods he jobs outlined on page 5 of this brochure and further described in the
The TWA and excursion limits during proposed jo Pages 3 and 4).	b are anticipated to resemble those in the Environ test reports (see
This form and RWP booklet will be readily availab	ole at the job site for inspection by OHSA officials.
The work practices described in the Recommende Covering will be followed.	ed Work Practices for the Removal of Resilient Floor
jobs described in the Environ Report or the Recor	the removal of resilient floor covering, and do not resemble those removed work Practices are no longer used on this job, I understand tective steps (regulated area) must be taken in accordance with the
(C) Workers Training Requirements	
The Following individuals who will be performing approved 8-hour training course covering asbesto Practices in accordance with the provisions of the	the resilient floor covering removal work have successfully completed as subjects as well as training in the use of the Recommended Work e OSHA standard.
Employee Name	Date Completed Training Course
Employee Name	Date Completed Training Course
Employee Name	Date Completed Training Course
ACM have done so at levels below the PEL and to	listed above and confirm that those employees who have worked with or less than 30 days this calendar year. If an employee has worked with inderstand that the employee must have a medical examination before reafter.
(D) Notification and Demarcation	
the planned removal activity: (1) employees perto	individuals must be notified of the presence and location of ACM and of orming the removal work, (2) employers of employees working in by either a wall, closed door or window, or other impermeable barrier),
Warning signs have been posted and area has be	een demarcated.

(a)

	У.	
Job Information	# ( )	
Job/Order Number:	76792	
Date of work operation:	August 12th, 2005	
Name of work site:	Emerson School 1st floor Computer Ro	iom
Address of work site:	515 EAST Oliver Street Owasso, Michigan 482	\$67
Description of work operation: (include type and size of resilient floor covering material removal methods used and time duration of removal activity)	in ceiling for beleatrical conduit, with A terp on the foristed entire prep with water then with straing crate holeson and drilled. Afterwards with a hope where entire Area of An resider and deal maderial to accept the productions.	Hoer I
Names of Employees Involved  David Lee P	And the second s	ed sy
This completed form should be employer should have a copy	be maintained by the employer in the employee personnel file for 30 years. The y of the Environ Report dated May 1, 1992 in its possession.	
Signature of Authorized Representation of Competent Person	resentative of Employer Who Has Assigned Competent Person to this Job  Pholps son	
Owosso Public Schools Name Of Employer		
1405 W. North St., Owosso, MAddress	MI 48867	
Argust 12th,	2005	

	of Checklist of Requirements (Prior to the start of joint of the start of th	o) to comply with the OSHA Ashestos Standard in
1	sbestos-Containing Floor Covering using the Recomm	nended Work Practices
	(A) Competent Person Requirement	Date: Avanst 304 2005
	Darrell M. Los	0
	(Employee Name) has successfully accordance with	completed the 12-hour competent person training course in
	negative exposures assessment (NEA) and supervise the r "on-site" NEA inspection prior to start of job and will be av	the provisions of the OSHA standard and is qualified to cond removal activities on this job. Competent person will conduct railable during the removal operations to inspect the job site a conditions that may prevent completion of the work using the
	(B) Negative Exposure Assessment	
	Job site has been surveyed to confirm that the flooring ma	terials is intact, that the Recommended Work Practices can
	Intact meaning that the flooring has not crumbled, been pu	The flooring is likely to remain intact throughout removal pro- ilverized, or deteriorated so that it no longer likely to be bour removal operations using the recommended work practices of
	Conditions of ramoval work to be completed as this is to a	
	work practices, and environmental conditions in the jobs of Environ Report dated May 1, 1992.	osely resemble the processes, type of material, control methoutlined on page 5 of this brochure and further described in t
	The TWA and excursion limits during proposed job are ant Pages 3 and 4).	icipated to resemble those in the Environ test reports (see
	This form and RWP booklet will be readily available at the	iob site for inspection by OHSA officials.
	The work practices described in the Recommended Work I Covering will be followed.	Practices for the Removal of Resilient Floor
	If workplace conditions on the job change during the remojobs described in the Environ Report or the Recommended that the NEA is no longer valid and additional protective st OSHA Asbestos Standard.	oval of resilient floor covering, and do not resemble those ren id Work Practices are no longer used on this job, I understand teps (regulated area) must be taken in accordance with the
	(C) Workers Training Requirements	
	Practices in accordance with the provisions of the OSHA s	ent floor covering removal work have successfully complete its as well as training in the use of the Recommended Work itandard.
	David hee Phelps	February 2nd 2004
	Employee Name	Date Completed Training Course
	Employee Name	Date Completed Training Course
	Employee Name	Date Completed Training Course
	Acid have dolle so at levels below the PEL and for less tha	ove and confirm that those employees who have worked wit an 30 days this calendar year. If an employee has worked wit d that the employee must have a medical examination before
	(D) Notification and Demarcation	
	Refere the start of this removal ish the fellowing individual	Is worth and then

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:	#6698
Date of work operation:	angust 30th, 2005
Name of work site:	Emerson School Roon 200 (New Computer LAS)
Address of work site:	515 East Oliver Street Owasso, Michigan
Description of work operation (include type and size of resilient floor covering material removal methods used and time duration of removal activity)  Names of Employees Involve	mount LCD. huit. In doing so with shaving cream shedred entire area with a Crilled a help use with area covered in plastic to catch any falling Debris. Or led holes with viacon on to shok the material up as I drilled. After the drilling we have been the naterial up as I drilled. After the drilling we have been the area Again than painted the raw edges with the production of the holes with picket as the places of an Work Operation ending of social Security Number
This completed form should be employer should have a copy	be maintained by the employer in the employee personnel file for 30 years. The of the Environ Report dated May 1, 1992 in its possession.
Signature of Authorized Repr	esentative of Employer Who Has Assigned Competent Person to this Job on
Owosso Public Schools	
Name Of Employer	AL 40007
1405 W. North St., Owosso, I Address	
Qualist 30	FB 3001

Date

rati		

sbestos-Containing Floor Covering using the Re	t of job) to comply with the OSHA Asbestos Standard in ecommended Work Practices
	Date: 214/65
(A) Competent Person Requirement	- <u>317/03</u>
(Employee Name) accordance	sfully completed the 12-hour competent person training course in with the provisions of the OSHA standard and is qualified to conduct the
"on-site" NEA inspection prior to start of lob and wi	se the removal activities on this job. Competent person will conduct the set the removal activities on this job. Competent person will conduct the liberal set of the
(B) Negative Exposure Assessment	
Intact meaning that the flooring has not crumbled.	ring materials is intact, that the Recommended Work Practices can and that the flooring is likely to remain intact throughout removal process been pulverized, or deteriorated so that it no longer likely to be bound during removal operations using the recommended work practices does act condition.
Conditions of removal work to be completed on this	s job closely resemble the processes, type of material, control methods,
work practices, and environmental conditions in the Environ Report dated May 1, 1992.	e jobs outlined on page 5 of this brochure and further described in the
The TWA and excursion limits during proposed job Pages 3 and 4).	are anticipated to resemble those in the Environ test reports (see
This form and RWP booklet will be readily available	at the job site for inspection by OHSA officials.
The work practices described in the Recommended Covering will be followed.	Work Practices for the Removal of Resilient Floor
long described in the Environ Report of the Recomi	ne removal of resilient floor covering, and do not resemble those remova mended Work Practices are no longer used on this job, I understand ctive steps (regulated area) must be taken in accordance with the
(C) Workers Training Requirements	
The Following individuals who will be performing the approved 8-hour training course covering asbestos Practices in accordance with the provisions of the Court o	ne resilient floor covering removal work have successfully completed an subjects as well as training in the use of the Recommended Work DSHA standard.
David Lee Phelps Employee Name	December 3rd 2004
Employee Name	Date Completed Truit in C
	Date Completed Training Course
Employee Name	Date Completed Training Course
Acid tiave dotte so at levels below the FEL and to	sted above and confirm that those employees who have worked with less than 30 days this calendar year. If an employee has worked with derstand that the employee must have a medical examination before after.
(D) Notification and Demarcation	
Before the start of this removal lob the following inc	dividuals must be notified of the presence and location of ACM and of
the plainicu removal activity. (1) employees benom	ning the removal work, (2) employers of employees working in either a wall, closed door or window, or other impermeable barrier),
Warning signs have been posted and area has been	domeranta

Initial

Job Information	
Job/Order Number:	#5740
Date of work operation:	February 44,2005
Name of work site:	Emerson School Boiler Room
Address of work site:	515 Fast 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)	The Boiler Room removed a skeet material from front of doors of the old Green Johnson Boiler, using a thopp when cleaned entire aver, then using a utility knife, smaked down pasket material with water carefully scraped off gastet material cropping into our impermentate bag inter again of the Hopa vaccun cleaned entire area scrain and harled mulerial to warehouse for later disporal time 3.5 hrs.
Names of Employees Involved David Lee	ed in Work Operation Social Security Number
-	
Jaw Hork	be maintained by the employer in the employee personnel file for 30 years. The y of the Environ Report dated May 1, 1992 in its possession.  Tresentative of Employer Who Has Assigned Competent Person to this Job Son
Owosso Public Schools Name Of Employer	
1405 W. North St., Owosso, Address	MI 48867
February 4	H, 2005

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

(A) Computed Domes Domes	Date: JANUARY 24, 2005
(A) Competent Person Requirement	3-1
negative exposures assessment (NEA) and supervise the re "on-site" NEA inspection prior to start of job and will be ava	completed the 12-hour competent person training course in the provisions of the OSHA standard and is qualified to conduct to moval activities on this job. Competent person will conduct illable during the removal operations to inspect the job site at conditions that may prevent completion of the work using the RWF
middlineaning that the mooning has not crumbled, been but	the flooring is likely to remain intact throughout removal process verized, or deteriorated so that it no longer likely to be bound emoval operations using the recommended work practices does
Conditions of removal work to be completed on this job clowork practices, and environmental conditions in the jobs of Environ Report dated May 1, 1992.	sely resemble the processes, type of material, control methods, utlined on page 5 of this brochure and further described in the
The TWA and excursion limits during proposed job are antic Pages 3 and 4).	cipated to resemble those in the Environ test reports (see
This form and RWP booklet will be readily available at the jo	ob site for inspection by OHSA officials.
The work practices described in the Recommended Work Povering will be followed.	ractices for the Removal of Resilient Floor
If workplace conditions on the job change during the removious described in the Environ Report or the Recommended that the NEA is no longer valid and additional protective ste OSHA Asbestos Standard.	ral of resilient floor covering, and do not resemble those remova Work Practices are no longer used on this job, I understand ups (regulated area) must be taken in accordance with the
(C) Workers Training Requirements	
The Following individuals who will be performing the resilie approved 8-hour training course covering asbestos subject Practices in accordance with the provisions of the OSHA strain.	ent floor covering removal work have successfully completed an s as well as training in the use of the Recommended Work andard.
David Lee Phelps Employee Name	December and 2004  Date Completed Training Course
Employee Name	Date Completed Training Course
Employee Name	Date Completed Training Course
Aom have done so at levels below the FEL and for less than	ve and confirm that those employees who have worked with a 30 days this calendar year. If an employee has worked with that the employee must have a medical examination before
(D) Notification and Demarcation	
the planned removal activity. The milliovees nemorming the	s must be notified of the presence and location of ACM and of removal work, (2) employers of employees working in a wall, closed door or window, or other impermeable barrier),
Warning signs have been posted and area has been demard	rated.

Job Information	# = 1 = 1
Job/Order Number:	45651
Date of work operation:	January 24th, 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)	1: 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 handletotetsam to be tested. Identifing each tube as to Area and Location After taking Gorz sample mudded each hole with mad to seal hole, Using a hepa Uncomm Deaned entire area.
Names of Employees Involve	3
David Lee	Phelps 368-58-7974
This completed form should lemployer should have a copy	be maintained by the employer in the employee personnel file for 30 years. The y of the Environ Report dated May 1, 1992 in its possession.
Signature of Authorized Repr	resentative of Employer Who Has Assigned Competent Person to this Job
Owosso Public Schools Name Of Employer	
1405 W. North St., Owosso, Address	MI 48867
JAnuary 20	14 ,300 S

emeving	Asbestos-Containing Floor Covering using the Recor	mmended Work F	Practices
		Date:	2/20/06/
	(A) Competent Person Requirement	Date.	0/20/01
itial	has successfull accordance with negative exposures assessment (NEA) and supervise th "on-site" NEA inspection prior to start of job and will be employee request or as necessary as a result of change	e removal activitie	
0		a conditions that i	may prevent completion of the work using the R
itial	(B) Negative Exposure Assessment Job site has been surveyed to confirm that the flooring effectively be used to remove flooring on this job, and to Intact meaning that the flooring has not crumbled, been within its matrix. Incidental breakage of floor tiles during not mean that the material is not removed in an intact of	pulverized, or det	ikely to remain intact throughout removal proce
1.	Conditions of removal work to be completed on this job	closely recemble	Al-
itial	work practices, and environmental conditions in the job Environ Report dated May 1, 1992.	s outlined on page	the processes, type of material, control methoders of this brochure and further described in the
itial	The TWA and excursion limits during proposed job are a Pages 3 and 4).	anticipated to rese	mble those in the Environ test reports (see
itial .	This form and RWP booklet will be readily available at the	he job site for insp	ection by OHSA officials.
itial	The work practices described in the Recommended Wor Covering will be followed.	rk Practices for the	Removal of Resilient Floor
itial	If workplace conditions on the job change during the re- jobs described in the Environ Report or the Recommend that the NEA is no longer valid and additional protective OSHA Asbestos Standard.		
P	(C) Workers Training Requirements		
itial	The Following individuals who will be performing the reapproved 8-hour training course covering asbestos subj Practices in accordance with the provisions of the OSHA	ieus as well as tra	ng removal work have successfully completed ining in the use of the Recommended Work
	Edward VAN Strate	1	りしりス
	Employee Name	Date Co	mpleted Training Course
		Duic 00	impleted Halling Course
	Employee Name	Date Co	mpleted Training Course
\Ω	Employee Name	Date Co	mpleted Training Course
itial	I have reviewed the job records of the individuals listed ACM have done so at levels below the PEL and for less ACM 30 or more days or at or above the PELs, I understiparticipating in this removal job and annually thereafter.	and that the emplo	
D	(D) Notification and Demarcation		
nitial	Before the start of this removal job the following individe the planned removal activity: (1) employees performing adjacent areas (not separated from the work area by eith and (3) the building owner.		
itial	Warning signs have been posted and area has been den	narcated.	

## 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: (include type and size of resilient floor covering material removal methods used and time duration of removal activity)	Removed 15 9x9 ASbestos Floor Tiles Wetted Down And Removed 2 Hrs
Names of Employees Involved	in Work Operation Social Security Number
Edward VAr	Strate 369-84-6871
-	
Jaw Hozh	maintained by the employer in the employee personnel file for 30 years. The of the Environ Report dated May 1, 1992 in its possession.
Signature of Authorized Repre	sentative of Employer Who Has Assigned Competent Person to this Job
Signature of Competent Perso	1
Owosso Public Schools Name Of Employer	
	10007
Address Address	4000/
Date 2/-28-/0	
77. Table	

Section II:	Brief Checklist of Requirements (Prior to the Asbestos-Containing Floor Covering using th	start of job) to comply y	with the OSHA Asbestos Standard in
tenseynig	Assestos-Containing Floor Covering using th		
	(A) Competent Person Requirement	Date:	2-28-04
	David Dala	i i i i i i i i i i i i i i i i i i i	
nitial	ilas suc	ervise the removal activitie	
DQ	(B) Negative Exposure Assessment		
nitial	Job site has been surveyed to confirm that the teffectively be used to remove flooring on this jointact meaning that the flooring has not crumble within its matrix. Incidental breakage of floor till not mean that the material is not removed in an	ed, been pulverized, or de les during removal operati	likely to remain intact throughout removal proc
1/	Conditions of removal work to be completed on work practices, and environmental conditions in	this ich closely recemble	Abo man
Initial	work practices, and environmental conditions in Environ Report dated May 1, 1992.	n the jobs outlined on pag	e the processes, type of material, control method se 5 of this brochure and further described in the
). <b>1</b> ^	The TWA and excursion limits during proposed	inh are anticipated to reco	omble than in the P
nitial	Pages 3 and 4).	Jos and anadipated to lesi	emble those in the Environ test reports (see
initial	This form and RWP booklet will be readily available	able at the job site for insp	pection by OHSA officials.
nitial	The work practices described in the Recommen Covering will be followed.	ded Work Practices for the	e Removal of Resilient Floor
Initial	If workplace conditions on the job change durin jobs described in the Environ Report or the Rec that the NEA is no longer valid and additional process.		
Λ Ω.	(C) Workers Training Requirements		
nitial	The Following individuals who will be performing approved 8-hour training course covering asbest Practices in accordance with the provisions of the Edward Way State		ing removal work have successfully completed aining in the use of the Recommended Work
	Employee Name	Date Co	ompleted Training Course
	Employee Name	Date Co	ompleted Training Course
<b>\</b>	Employee Name	Date Co	ompleted Training Course
nitial	I have reviewed the job records of the individual ACM have done so at levels below the PEL and ACM 30 or more days or at or above the PELs, I participating in this removal job and annually the	Is listed above and confirm for less than 30 days this understand that the emple	n that those employees who have worked with
2	(D) Notification and Demarcation		
Initial	Before the start of this removal job the following the planned removal activity: (1) employees peri adjacent areas (not separated from the work are and (3) the building owner.		

Warning signs have been posted and area has been demarcated.

Initial

## Job Information

Job/Order Number:	5974	
Date of work operation:	2-28-04	
Name of work site:	EMERSON 206	
Address of work site:	515 F. Oliver Street Owosso Mie	4
Description of work operation: (include type and size of resilient floor covering material removal methods used and time duration of removal activity)	Nemoved 14 ASbesTOS 9K9 Tile. By westling DOWN ZHrs	5
Names of Employees Involved	in Work Operation Social Security Number	
Edward VAN	317 ate	/
·		
Jaw Hoch	maintained by the employer in the employee personnel file for 30 years. The of the Environ Report dated May 1, 1992 in its possession.  Sentative of Employer Who Has Assigned Competent Person to this Job	<b>-</b>
Signature of Competent Perso		
Owosso Public Schools Name Of Employer		
1405 W. North St., Owosso, M Address 2/28/09	48867	
Date		

ii .

ina	Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA Asbestos Standard in Asbestos-Containing Floor Covering using the Recommended Work Practices	
	Date: 7/25/03	
	(A) Competent Person Requirement	
	(Employee Name) 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 F	
	(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 proclintact 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 do 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 method 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 OHSA 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 the jobs described in the Environ Report or the Recommended Work Practices are no longer used on this job, I und that the NEA is no longer valid and additional protective steps (regulated area) must be taken in accordance with OSHA Asbestos Standard.	
	(C) Workers Training Requirements	
	The Following individuals who will be performing the resilient floor covering removal work have successfully completed 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 28-30 200  Date Completed Training Course	
	Ed Van Strate  Employee Name  U-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: Date of work operation: Name of work site: Oliver Street Address of work site: Description of work operation: Removal (include type and size of resilient floor covering material removal put them in a Double impermenble methods used and time duration ied up went Back with a hepa wac, and wachned of removal activity) entire aren to clean it up. Appex. Line 7. 5 hrs. paper work, Names of Employees Involved in Work Operation Social Security Number 368-58-797

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

M/25/03

*			

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 k Practices (A) Competent Person Requirement DS 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 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 Indial the recommended work practices does not mean that the material is not removed in an intact condition. the 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. Inr.el 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. 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 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

D, impermeable barrier), and (3) the building owner.

Jb Information				
#	4327		4	
b/Order Number:	1 2.51.20	20.1		
Date of work operation:	114 31 de	701		
Name of work site: Eme	erson School-	MAIN Office	e In vanit	-
Address of work site:	5 EAST Oli	ver Street	040550	~ U.
Description of work operation:	Removal of	54-9"SA.F		fortle
(include type and size of resilient floor covering material removal methods used and time duration of removal activity).	with the Hepp	nd using a putting in a more person of the putting was properly was took	BAGEND COM BAGEND COM COMMENTED COMP WILLIAM TO WAR	d up the fill ble Brgged. re Area agai ehouse for
	Storage until the	All the second s	curity Nos.	<del>)</del> (
Names of Employees Involve	ed in Work Operation.			
David Phelps .		368 - 58	- / 9 / 4	
		£1,200		
Carried States				
		-		
		-		
		t. D	and file for 30 years	The employer
This completed form should be should have a copy of the En	e maintained by the employ viron Report dated May 1, 1	er in the employee perso 992, in its possession.	Mile the for 50 years.	The employe.
should have a copy of the Zin				
John my	dest			
Signature of Authorized Repr	esentative of Employer Who	o Has Assigned Compete	ent Person to this Job	ı
Marke 1	Jee Khelp	1		
Signature of Competent Person	sòn			
Owosso Public	Schools			
Name of Employer	¥			
	St. Owosso, MI	48867		
Address 31	St 2001			
Date Date	1			11.5

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 k Practices Competent Person Requirement Pholos 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 Employee Name 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 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 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. Initial The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4). hite 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. Initia 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 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 Resommended Work Practices in accordance with the provisions of the OSHA standard. 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 Employee Name 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 ACI 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

as heen demarcated

impermeable harrier), and (3) the building owner.

Job Information		8
b/Order Number:	4327	
Date of work operation:	114 3121,001	- N
Name of work site:	<u>iersch School-Mi</u>	ain office invanit
Address of work site: 51	5 East Oliver Str	reet Owosso, Richigan
Description of work operation: (include type and size of resilient floor covering material removal methods used and time duration of removal activity).	And using poper proces	T so, feet of sprayed on Asbaded and sealed off Alber with poly dure with lots of water, peeled a Bags keep oversting wet, Afler in walk, and Alcors completely at was there. Took down every the wase for storage until I then to In
Names of Employees Involv	ved in Work Operation:	Social Security Nos.
David Phelps .		368-58-7974
should have a copy of the En	preventative of Employer Who Has Ass	employee personnel file for 30 years. The employer is possession.  signed Competent Person to this Job

Address

Date

1		r to the start of job) to comply with the OSHA
ection	II: Brief Checklist of Requirements (FIII)	nining Floor Covering using the Recommended
isbest	os Standard in Kemoving Asocsio	
N-KF	ractices	Date: 4/2/2001
1		4/13/2001
	(A) Competent Person Requirement	
P.P.	David Phelps has successfully on	empleted the 12-hour competent person training course
Initial	Employee Name	
(I sues	NEA inspection prior to start of job and will be available employee request or as necessary as a result of chusing the RWP.	dard and is qualified to conduct the negative exposure ities on this job. Competent person will conduct "on-site" able during the removal operations to inspect the job site at anged conditions that may prevent completion of the work
	(B) Negative Exposure Assessment	and Mark Browlings
O.P.	Job site has been surveyed to confirm that the floor can effectively be used to remove flooring on this in removal process. (Intact meaning that the flooring no longer likely to be bound within its matrix. Incident	ring material is intact, that the Recommended Work Practices ob, and that the flooring is likely to remain intact throughout has not crumbled, been pulverized, or deteriorated so that it lental breakage of floor tiles during removal operations using that the material is not removed in an intact condition.
$\sim$ $\sim$	the recommended on this	is job closely resemble the processes, type of material, at conditions in the jobs outlined on page 5 of this brochure
<u>D.P</u>		
Initial	and further described in the Environ Report dated	May 1, 1992
~ (	and fulfilled described in the Edition proposed in	b are anticipated to resemble those in the Environ test reports
<u>D.1</u>		
Exital	(See Pages 3 and 4).	to of the job size for inspection by CSHA officials.
2	This form and RWP bookiet will be readily available	ple at the job size for inspection by CSHA officials.
O. Initia	The work practices described in the Recommend	led Work Practices for the Removal of Resilient Floor
O. India	If workplace conditions on the job change during those removal jobs described in the Environ Repthis job, I understand that the NEA is no longer taken in accordance with the OSHA Asbestos S	the removal of resilient floor covering, and do not resemble bort or the Recommended Work Practices are no longer used on valid and additional protective steps (regulated area) must be standard.
	to the Jan Training Dequirements	
<u>()</u> Init	The following individuals who will be performing completed an approved 8-hour training course of Recommended Work Practices in accordance to	the resilient floor covering removal work have successfully covering asbestos subjects as well as training in the use of the with the provisions of the OSHA standard.  March 1st 2001
	David hee Phelps	111011111111001
	Employee Nome	Date Completed Training Course
	Employee Name	
	Sweleves Nome	Date Completed Training Course
	Employee Name	
	E-steven Nome	Date Completed Training Course
Ç	worked with ACM have done so at levels both	uals listed above and confirm that those employees who have ow the PEL and for less than 30 days this calendar year. If an days or at or above the PELs, I understand that the employee musting in this removal job and annually thereafter.
1		
	Before the start of this removal job the follow and of the planned removal activity: (1) emplantation and of the planned removal activity: (1) emplantation and of the planned removal activity:	ring individuals must be notified of the presence and location of ACI loyees performing the removal work, (2) employers of employees on the work area by either a wall, closed door or window, or other wher.
	importeshie hamen, and (3) the building	****
	D.P. Marian since have been posted and area t	Hes need commence

<u>information</u>		1	
	1/0052	Y	
7	#3952		_
Order Number:	1 1 11/2	المحما	
Date of work operation:	12 2001 / 4/3	12001	<del>-</del>
Name of work site:	nerson School	Room 200	_
Address of week eiter 57	TEAST Oliver St	reef Owasso, Mic	higan 48867
Address of work site:	0 1 010	2 - 011 - 0-1-	10 11
Description of work operation	Removal of 13	150-7 Sangre Kesile	1 to as he lie Spray
(include type and size of resilien	ant into an imperm	30-9" Square Resiles to water, then used a sym eable bag and dowble bag unecum afterwakes. He	ged. UACCUMED and is
floor covering material removal methods used and time duration	Aren with a Heph	UNECUM AfterwARDS. +1A	when the bags to th
of removal activity).	Marchenze my	LEBEN TO PENGELLI JOY C	spood, Keplycing
1	flooring with 18	"X 12"	-1 200
	Time take to R	emove 4/2/2001 - 700 4/3/2001 - 810	ohrs Cinished.
Market of Employees Invest		Social Security Nos.	444240 ->
Names of Employees Invo	jived iii vvoik Operation.		
David Phelps	<u> </u>	368-58-7974	-
The Court of the			
	4		
			-
			-
			_
This completed form should	d be maintained by the employe	er in the employee personnel file for	30 years. The employer
should have a copy of the I	Environ Report dated May 1, 19	192, in its possession.	-
1//	1.00		
Gome my	Will Street August Allen	Has Assigned Competent Person	to this Job
Signature of Authorized Re	epresentative of Entitloyer vino	Has Assigned Competent Person	
Harre	Jee There	<del></del>	
Signature of Competent P	erson		
Owosso Publi	c Schools		
Name of Employer			
1405 W Nort	h St. Owosso MI	48867	
Address	1 1 1	70007	
4/2/2001	14/3/2001		
1/4/4001	1101000		3-

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 k Practices (A) Competent Person Requirement Lee Pheloshas 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 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 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. Initial The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports D'6 (See Pages 3 and 4). Initial 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. TANUARY 201 200 O
Date Completed Daining Course Employee Name JANUARY 20th 2000 UAn Date Completed Training Course Employee Name Date Completed Training Course 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 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

and area has been demarcated

impermeable barrier), and (3) the building owner.

		1

o Information	_	8 7		
T)	2742			
b/Order Number:	0.11			
Date of work operation:		200	1 0 1	
Name of work site:	erson Scho	ol Soul	y and of 274a	e Above landin
Address of work site:5	15 EAST OF	iver Str	eet Owaso, M	Michigan 4881
Description of work operation: (include type and size of resilient floor covering material removal methods used and time duration of removal activity).	Sliced Area a	nd soaker	the Mac and don	ing of Griable in dell on line are cally removed use all proper processions of the contractions of the con
Names of Employees Involv	that was Plag yed in Work Operation:	god with to	Social Security 140s.	All proper proce repair Roof eque & one his en.
David Phelps			368-58-7974	G
Ed VanStrate			369-84-6871	
- 8				
This completed form should it should have a copy of the Error Signature of Authorized Reposition Signature of Competent Peroposition Name of Employer  1405 W. North	resentative of Employer V	Vho Has Assign	55655IOH.	
Address	,	- 4000/		1
Date Jab	1000	7		*

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-	Prior to	the start of job) to comply with the OSHA a Floor Covering using the Recommended
ection II:	Brief Checklist of Requirements (Frior to	g Floor Covering using the Recommended
shestos	tices	Date: 8/1/2000
1		Date: STIAO
~ (A)	Competent Person Requirement	to the arms to be being source
76 B	Avid the 125 has successfully comple	eted the 12-hour competent person training course
in ac asse NEA emp	nspection prior to start of job and will be available to bloyee request or as necessary as a result of change by the RWP.	and is qualified to conduct the negative exposure on this job. Competent person will conduct "on-site" during the removal operations to inspect the job site at d conditions that may prevent completion of the work
(B)	Negative Exposure Assessment	Julia de Brandinas
Job Initial car the ren is no	o site has been surveyed to confirm that the flooring on the effectively be used to remove flooring on this job, as moval process. (Intact meaning that the flooring has longer likely to be bound within its matrix. Incidental	naterial is intact, that the Recommended Work Practices and that the flooring is likely to remain intact throughout not crumbled, been pulverized, or deteriorated so that it breakage of floor tiles during removal operations using the material is not removed in an intact condition.
D.P. Co	onditions of removal work to be completed on this job ontrol methods, work practices, and environmental co	nditions in the jobs outlined on page 5 of this brochure 1, 1992.
D6. 1	he TWA and excursion limits during proposed job are	anticipated to resemble trase in the Environ test reports
Q. T	his form and RWP booklet will be readily available at	the job site for inspection by OSHA officials.
Initial (	The work practices described in the Recommended Woovering will be followed.	ork Practices for the Removal of Resilient Floor
D.P. Initial	f workplace conditions on the job change during the r	removal of resilient floor covering, and do not resemble if the Recommended Work Practices are no longer used on and additional protective steps (regulated area) must be ard.
	(a) Waster Training Requirements	
D.B.		JAHUAN GOODO
	Employee Name	Date Completed Training Course
	Employee Name	Date Completed Training Course
	Employee Norma	Date Completed Training Course
D.P.	worked with ACM have done so at levels below the employee has worked with ACM 30 or more days that have a medical examination before participating in	sted above and confirm that those employees who have PEL and for less than 30 days this calendar year. If an or at or above the PELs, I understand that the employee must this removal job and annually thereafter.
~ 0	(D) Notification and Demarcation	ti ideals must be political of the presence and location of ACM
Q.Y	Before the start of this removal job the following in	dividuals must be notified of the presence and location of ACM s'performing the removal work, (2) employers of employees work area by either a wall, closed door or window, or other

working in adjacent areas (not separated from the work area by either a wall, closed door or window, or other of impermeable barrier), and (3) the building owner.

## <u>Information</u>

H 2707	7
Jo/Order Number:	
Date of work operation: August PT 200	
Name of work site: Emerson School	Media Center "Alley"
Address of work site: 515 EAST Oliver	- Street Owosso Mich 48867
(include type and size of resilient floor covering material removal methods used and time duration was the fire of the size of	guare Acm resilent floor tile with a scraped Paper the scraped Proposed floor with water the scraped and pure the spirit and pure the spirit and pure the bayed. He sten with Hepa vacuum Handed to war ge till taken to landfill
	Social Security Nos.
Names of Employees Involved in Work Operation:	368-58-7974
David Phelps .	
Ed VanStrate	369-84-6871
	<del></del>
	-
This completed form should be maintained by the employer should have a copy of the Environ Report dated May 1, 1995  Signature of Authorized Representative of Employer Who H  Signature of Competent Person  Owosso Public Schools  Name of Employer  1405 W. North St. Owosso, MI 4  Address	2, in its possession.
Angust 1st 2000	*

ection-II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA shostos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Date: 8/2/2000 Practices (A) Competent Person Requirement 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 Employee Name 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 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 Initial no longer likely to be bound within its matrix. Incidental breakage of floor tiles during removal operations using the the recommended work practices does not mean that the material is not removed in an intact condition. is 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) 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. Initial Date Completed Training Course Employee Name HUAVY 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 Employee Name 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.

## Job Information b/Order Number: 2000 Date of work operation: Name of work site: 0w0800, Mich. 48867 Address of work site: Description of work operation: (include type and size of resilient floor covering material removal methods used and time duration of removal activity). Dave gionrs Ed Gohrs. ΞN Social Security Nos. Names of Employees Involved in Work Operation: David Phelps 368 - 58 - 7974 1589-48-10871 Ed VanStrate 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. 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 2hd, 2000

	.00		

ection II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA shestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Date: August 3rd 2000 Practices (A) Competent Person Requirement 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 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 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 Initial 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 D.R. 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. Date Completed Training Course TANKERY 20% Employee Name Employee Name **Date Completed Training Course** 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 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

	#278Z	
//Order Number:	Juchet 3rd	2000
Date of work operation:	119101	1 = 2 1 0 1
Name of work site:	inerson Sch	
Address of work site:	515 East Oliv	ier Street Owossa Mich. 4880
	Renoved 138	7-9" Square Adm Resilent Floor tile a
Description of work operation	Thoen Alache	d. springed floor with water and saraped with and linear second. Picted up material ac
(include type and size of resilien floor covering material removal	A Spid. Tile Elrat	percentle bung And Poutto bagged. Hepa
methods used and time duration of removal activity).	vaccunal en	fire area with Hepa vaccin. Halled
o, joine, account, j	Warehouse &	or Storage until taken to land fill
	Eda Pave	. 10, hrs ea.
Names of Employees Invo	olved in Work Operation:	Social Security Nos.
David Phelps		368-58-7974
Ed VanStrate		369-84-6871
2d vanotrate	•	
	<u> </u>	
16.		
This completed form should	be maintained by the employ	yer in the employee personnel file for 30 years. The employer
should have a copy of the E	Environ Report dated May 1, 1	1992, III its possession.
The K	20	
Signature of Authorized Re	presentative by Employer Wh	o Has Assigned Competent Person to this Job
Alue of	ee Khelpe	
Signature of Competent Po	erson	
Owosso Publi	c Schools	
Name of Employer		
	h St. Owosso, MI	48867
Address	2000	
Date Date	) 2000	4



ection II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA sbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Practices (A) Competent Person Requirement 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 Employee Name 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 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 the recommended work practices does not mean that the material is not removed in an intact condition. is 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. Initial The TWA and excursion limits during proposed job are anticipated to resemble those in the Environ test reports (See Pages 3 and 4). tritte 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 لعنانما taken in accordance with the OSHA Asbestos Standard. (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. Date Completed Training Course Employee Name Ahuar 17A Date Completed Training Course Employee Name **Date Completed Training Course** 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 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. hand and area has been demarcated

Initial

Nes Jalie		*	
b Information			
Order Number:  Nate of work operation:  Name of work site:  Address of work site:  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 Why known Atte Scraped off tile material and put Bagged, Hepa V VACCLIM. Harle	ached, Sprayed floor with water and the linear with spud, Picked into our temperaculte bag and Boracemad entire area with He of to warehouse for storage until	He and lup
Names of Employees Involv	ed in Work Operation:	Social Security Nos.	
David Phelps .		368-58-7974	
Ed VanStrate		369-84-6871	
This completed form should to should have a copy of the Er	iviron Report dated May 1, 1992	in the employee personnel file for 30 years. The employ 2, in its possession.	/er

Signature of Authorized Representative of Employen 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

Angust AH, 2000



1 1 1 1 1		and the second second	and of Joh) to com	nly with the OSHA
action II: Bri	ef Checklist of Re-	quirements (Prior to the signal Asbestos-Containing Flo	or Covering using	the Recommended
hestos Star	ndard in Removing	Asbestos-Containing 1 to	01 04	1. 2.1.
Practice	S		Date: 🗵	11919000
	mpetent Person R	Pequirement	9	3-
	1 1 1 -	has successfully completed the	e 12-hour competent	person training course
76 Dans	id Phelps	_ nas successiony completes with		and a supposite
in accordance in accordance in accordance in accordance in assessment in accordance in	spection prior to start of ee request or as neces he RWP.	ons of the OSHA standard and is rise the removal activities on this if job and will be available during sary as a result of changed cond		
(B) N	legative Exposure	Assessment	Abad Aba Do	commended Work Practices
Or Job sit can eff the remove no ion the remove the rem	e has been surveyed to fectively be used to ren ral process. (Intact mea ager likely to be bound v commenced work prace	o confirm that the flooring maters move flooring on this job, and that aning that the flooring has not on within its matrix. Incidental break sices does not mean that the ma	umbled, been purvenz tage of floor tiles durin terial is not removed i	g removal operations using an intact condition.
DiP Condi	itions of removal work to ol methods, work practi	to be completed on this job close ices, and environmental condition	ns in the jobs outlined	on page 5 of this brochure
and f	urther described in the	Environ Report dated May 1, 199 hits during proposed job are antici	inated to resemble the	se in the Environ test reports
D.P. The	TWA and excursion lim	its during proposed job are anti-	police to the	
Initial (See	Pages 3 and 4).	m - Table of the in	h site for inspection b	y OSHA officials.
AP. This	form and RWP booklet	t will be readily available at the jo		and of Benillant Floor
The	work practices describ	ed in the Recommended Work P	ractices for the Nema	AND DE LEGISLATION OF THE PROPERTY OF THE PROP
O.P. If w	orkplace conditions on se removal jobs describ	the job change during the remov bed in the Environ Report or the I the NEA is no longer valid and a the OSHA Asbestos Standard.	al of resilient floor cov Recommended Work dditional protective st	rering, and do not resemble Practices are no longer used on aps (regulated area) must be
		- termonto		
06 2	e following individuals i	who will be performing the resilie 3-hour training course covering as	int floor covering remonstrates subjects as we discovered by the OSHA  TANMARY 1945  Date Completed Train	standard.
-	DAVID Phe	2105	Date Completed Train	ing Course
Ē	mployee Name	1	Date completed	
_			Date Completed Train	ning Course
Ē	mployee Name			
- 1			Date Completed Train	ning Course
Access to the contract of the	worked with ACM have employee has worked to have a medical examin	ISTION DEIDIG PERSON	above and confirm that and for less than 30 or above the PELs, I i removal job and annu	It those employees who have days this calendar year. If an understand that the employee musually thereafter.
1.00	(D) Notification 81	nd Demarcation	and the second of	the assessed and location of AC
D.P.	Before the start of this and of the planned ren		forming the removal v k area by either a wal	of the presence and location of AC vork, (2) employers of employees I, closed door or window, or other

impermeable barrier), and (3) the building owner. --- and area has been demarcated

			4	
J Information				
110	102/1			
/Order Number:	18.17			
Ω,	ngust 1945, 2	000		
Date of work operation:	nausi is	1 11 1	-1-1-1	
Name of work site:	merson Scho	of Den Con	APATEL HADI	
Address of work site:	15 EAST Oliver	Street Owo	sso, Michiga	~ 48867
Description of work operation:	Removal of 132 Sprayed down end	12-9" Square R	esilent Floor ti	le.
(include type and size of resilien	sprayed down enti	ire Cloor with w	41 EL AVERNISHE	a space perfect
floor covering material removal	up the file and	put into an impe	ermeable the an	id then donble
methods used and time duration	1 Bagged, vaccuned	the entire even	W(47 H HQ" = 11	- 1 1 1 1 C
of removal activity).	Then Harled the	- bags to the war	ENOUSE MAIL	raren to landhi
	Replacing floor	wiff carpet.		
	10.0 hrs to	144		
Names of Employees Invo	olved in Work Operation:	Social Se	ecurity Nos.	
	. 10 hrs. QT.	368-58	8-7974	
	10 41 51 51			
Very consultation		Y Marie		
VI				
,				
-				
	d be maintained by the employ	ver in the employee perso	onnel file for 30 years.	The employer
this completed form should have a copy of the l	Environ Report dated May 1, 1	1992, in its possession.	•	
STROUGH HERE	2			
Colore Sa	uh C			
Signature of Authorized R	epresentative of Employer Wh	o Has Assigned Compet	tent Person to this Job	
Dan sel	Leo Alhovo	4.		
Signature of Competent P	Person	-		
Signature of Competent	920			
Owosso Publi	c Schools			
Name of Employer				
	h St. Owosso, MI	48867		
Address				
Duringt 1946	2000			

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ection II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA sbestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Date: 8/20/2000 ( Practices (A) Competent Person Requirement has successfully completed the 12-hour competent person training course avid Melos 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 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 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). nital 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 OP. 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 Initial taken in accordance with the OSHA Asbestos Standard. (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. TANKERY 19th 2000 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 Employee Name 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 ACN 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.

<u>b Information</u>		*	
#	2844		
Order Number:	0011	7	
Date of work operation:	ngust 2011, 2000	100	
Tarric or morn site.	nerson School Ro		
Address of work site: 519	5 East Oliver Stree	+ Owosso, Mich. 48867	
Description of work operation: (include type and size of resilient	sprayed down entires	9"Square Resilent Floortile Floorwith water, then hains a sp nto an impermeable bag and then	doub
floor covering material removal methods used and time duration of removal activity).	The delication ad say	gs to the warehouse until take Roor with competi	Otter
Names of Employees Invol	ved in Work Operation:	Social Security Nos.	
David Phelps	12.0 hrs. O.T	368-58-7974	
(Illusiana)			
Proposition of the last			
should have a copy of the E	nviron Report dated May 1, 1992, in	te employee personnel file for 30 years. The emits possession.  Assigned Competent Person to this Job	iployer
Signature of Competent Pe	Jee Khelps		
Owosso Public Name of Employer			
Address North	n St. Owosso, MI 488	67	
August 20	2000	· ·	

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ection II: Brief Checklist of Requirements (Prior to the start of job) to comply with the OSHA shestos Standard in Removing Asbestos-Containing Floor Covering using the Recommended Date: 8/21/2000 Practices (A) Competent Person Requirement 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 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. the is 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. **Setir** 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 D.P. 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 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. Date Completed Training Course JANUARY 194, 2000 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 ACN 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.

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. 1	9
Order Number: #2844	
Pate of work operation: Angust 21st 2000	
	on 101
address of work site: 515 EAST Oliver Street	
loor covering material removal	name Resilent Floor tile ith when then using a sport, popped in impernecial e bay and then double  E Aven with Hopa Vacoum After to the wevelouse until take to on with carpet
Names of Employees Involved in Work Operation:	Social Security Nos.
David Phelps . 8.0 Ws 2.0 hrs o.T.	368-58-7974
Ed VanStrate 8.0 WY	369-84-6871
This completed form should be maintained by the employer in the employer should have a copy of the Environ Report dated May 1, 1992, in its possing a support of Authorized Representative of Employer Who Has Assigned Signature of Competent Person	session.
Owosso Public Schools Name of Employer	
Address August 215t 2000  Date  1405 W. North St. Owosso, MI 48867	•

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M.		

#### RECORD KEEPING ACTIVITY SHEET

CBM.			
. Information on the contra	ctor or person conducting th	e activity:	
NAME: OWOSSO PU	JBLIC SCHOOLS		
1405 W. NORTH ST.	owosso	MI	48867
Address:	City	State	Zip Code
Accreditation or contractor li State accredited in: Mic			
2. Names of each individual	involved:	Signatures:	2 0 /
DAVID PHEI	LPS	Don!	Jee Phel
£			
·			
·	<u> </u>		
			<del>-112</del>
-		***************************************	
		(use other si	de if necessary)
3. Start and Completion Da	tes: March 16, 1998		
4. Location of the Activity:	Emerson		
5. Attach a detailed descript reasons for selecting the	tion of the activity (preventa measure or action <b>Over</b>	tive measures if	used), methods used
6. If ACM was removed, gi	ve the name and/or location	of storage or dis	nosal site of the ACI
Maintenance Warehouse and	Venice Park Development	9536 Lennon R	d. Lennon, MI 4844

		i
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#### RECORD KEEPING ACTIVITY SHEET

CHECK ONE ( ) Major Asl (X ) Q & M ur	oestos Activity under 763- nder 763-91 (d) "O & M d	·91 (e) isturbing friable	ACBM."	
According to 763-94 (F) and (CACBM.	the following date must	be collected for	each activity affecting	ıg
1. Information on the contractor	or or person conducting th	e activity:	T	
NAME: OWOSSO PUB	SLIC SCHOOLS	:		
1405 W. NORTH ST.	owosso	MI	48867	51
Address:	City	State	Zip Code	
Accreditation or contractor lice State accredited in: Michig  2. Names of each individual in  DAVID PHELP	gan nvolved:	Signatures:	fee Rhelp	_
3. Start and Completion Dates	s: March 3, 1998	(use other side	de if necessary)	æ
4. Location of the Activity:	Emerson	ā		
5. Attach a detailed descriptio	n of the activity (preventa	tive measures if	used), methods used	•

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

reasons for selecting the measure or action Over

¥			

. . .

CHECK ONE ( ) Major Asbestos Activity under 763.91 (e)  1. 10 , 20 ET (X <sub>2</sub> ) 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:
David Phelps Save Fle 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 paper and/or leading to the measure of action.
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

×		

Mead

# SHEETS WIDE RULED 101/2 x 8 in / 26.6 x 20.3 cm 1 SUBJECT NOTEBOOK





2/6/95

\*South tunnel under front of School-OK.

\*EAST tunnel under and around Gym and
Library-Removed Cuct tape from elbows,
end of times, and joint connections and
replaced with wheat paste and muslin.

2/7/95

East tunnel under and ground gym and hibrary. 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 Ljoint 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 and of lines replacing with wheat paste and muslin.



\* East basement hallway-Girls Bathroom Removed Cuct 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 Time. After removing the Asbestos, then the sand plaster, and then the mess screen, I then put a pipe bandade on the 34 inch pipe to repair it, I then took the Hepa vac and cleaned the Arca 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 (conbled) and is in storage at the Cedar Street ware house

3/3/98

\* Across from B-10 in Storage Area.

The big elbow just inside the door

had 3 gonges which was repaired with
wheat paste and mustin

X Storage room east-side of gyn on stage
Repair pipe with wheat paste and muslin
X west end of gyn above storage area on stage
Repaired I connection with wheat paste and
muslin.

3/16/98

corner then about 15' down) Repaired pipe ends with wheat paste and muslin.

Thangers and I tee with wheat paste and muslin.

x Room 204 in Closet - Repaired pipe joint with wheat paste and muslin.

\* BASEMENT Storage room (eastside) & Repaired
pipe with wheat paste and muslin Lboys
hockerroom)

7/26/2000

In Emerson school at the South-west enc of stage above landing Renoved 1-4"elbow and 1-4" coupling of Friable as bestos and about 4 linear feet of air cell on line. Out off 4" cast iron pipe and replaced with plastic, used masking tape to seal off one end of air cell

### 8/31/2001

The sport of the s

Approx. 35 systept of sprayed on Asbestos on ceiling, Deniarcated and scaled 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, vacconad eeiling walls, and floor completely to get All residue that was there took down everything and hanled to warehome for storage until takento land fill for disposal 6.0 hrs.

	Te.		

## 2003

10/27/03 Everson School media center weamputer loom

Installed LCD units in ceiling in computer

Room and Media Center, wet down with water

and using Barbasol (shaving event ) in DUC, drilled

a 7/8" hole (4 for each units) holding the

hepa was hose by drill and drilled 8 holes.

Put in toggle botts in ceiling and installed

units. After all was done, picked up plastic and put

in disposable Asbestos bag. Then vaccumed entire

Area with a hepa vaccum 8 hrs. O.T.

1/24/05 In Room 203 (Mrs. Allen's Room) Collected 5 Bulk samples in Ceiling for ACM Clearance.

2/4/65 In Boiler Room removed gasted material from front of doors on the old Green Johnson Boiler, Using Hepa vaccuned cleaned entire area, then using a willity knife, souted down gastet material with water. Carefully scraped off gastet material doopping into the impermeable hag, then again with the Hepa vaccum cleaned entire ar again and hauled another to warehouse for later disposal. 3.5 hrs

7/11/05 histoirs in New computer Room using A 5" holeson drilled a hole inste Northand/center of elastroom for New A/d

(F) ×

shaving cream over the Area and using patrill, drilled a 5" hole inche ceiling spraying down the area with water as I went catching material in bas, Hepa vaccund entre Area and painted edge of hole 1.0 hr.

8/12/05

In the \$st Floor Completer Room with shaving cross and a holesaw, drilled a l'hole in ceilnis for electrical ordinit with a temp on the Floor, I nisted artise area with evitter then with shaving cross-silled the holesaw and drilled, Afferwards with a hope vecan, use entere error of a y residue and took material to 018 for later visposal. I then pointed the vew edges to encapsulate Also encapsulated ator Areas in ceiling that were disturbed by techies. 20 ho 8/30/65

On Second Floor Room 200 (New Computer lab) drilled 4 holes in ACM Ceiling to mount Ldo, unit, In doing so with Shaving crown, smoored entire area, with a drill and a Hepa VAC, with arch covered in plastic to catch any solling Debris, Drilled holes with vaccum on to such the material of as I drilled. After the drilling was obto, vaccumed entire area again, then painted the raw edges where I crilled. After words, mounted the LCD unit, picked up the plastic, and vaccumed entire area with a Hepa Vaccum to pick up and lesidue 200 MTS

## Floor Tile

8/1/2000 Emerson School Alley' Media Centre Removed 90-9"square ACM Resident Goor tile with linoen Attached. Sprayed Goor with water, then scraped off tile the linoen with spud. Picked up material and put into an impermeable bag then double bagged, Hepa vaccumed the entire area with Hepa vaccum, thailed to werehors. For storage till taken to land fill.

8/2/2000 Emerson School "Small Room" Media Center Removed 336-9" square ACM Resilent Floor till with linoen Attached. Sprayed Floor with wat and scraped off tile then linoen with spid.

Picked up material and put into an impermenble bag and blooble bagged. Hepa vaccumed entire Area with Hepa vaccum, thanked material to warehouse for storage till taken to lauffill.

8/3/2000 Emerson School Media Center

Removed 1387-9"symme Adm Resilent

Floor tile with Inven Attached. Sprayed floor with

water and scraped off floor tile then the linear

Picked up material and put into an impermeable bac

And double bagged. Hepa vaccumed entire area

with Hepa vaccum. Harled to were house.

# 9/1T 700/7

for storage till taken to landfill.

8/4/2000 Emerson School Media Center Removed 728-9"square ACM Resilent Floor tile with linoem petached. Sprayed floor with water and scraped off lile and then linoem with a spud, Picked up material and put into An impermeable bag and Bomble bagged. Hepa vaccumed entire area with thepa vaccum. Harled to Storage at warehouse until taken to landfill.

8/19/2000 Emerson School-New Conputer Lab.

Renoval of 1372-9" square Resilent Cloor tile.

Sprayed down entire Aloon with water, then using the spray popped up the tile and put into an inpere meable bag and double bagged, vaccumed entire area with a Hepa vaccum afterwards, then handed the bags to the varchouse for storage until taken to land fill. Replacing Floor with earpet.

8/20/2000 Emerson School Room 100

Removal of 966+ 9" square Resilent Floor lile.

Sprayed down entire area with water, then using a spud, popped up the tile and put into an imperacethe bag and blouble bagged. Vaccined entire area with

A Hepa vaccum Afterwards, then haved the bags to the warehouse for storage until like to landfill. Replacing floor with corpet,

8/21/2000. Enterson School Room 101

Renoval of 1344-9" Square Resilent Cloor tile.

Sprayed down entere area with water then using p

sprd, popped up the tile and put into an impernable
bag and bomble bagged. Vaccuned entere area with

a Hepa vaccum Afterwards, then have the Dags

to the warehouse for storage until taken to land of 11.

Replacing Sloor with carpet.

H/2+3/200 | Emerson School Room 200

Removal of 1330-9" Square Resilent

floor tile, sprayed down entire paren with

water than used it spud to pop up the tile and

put into an impermeable bag and double bagged

vacanned entire Aren with a Hepat vacan,

Afterwards Hauled the bags to the wavehouse

until taken to landfill for disposal, Replace

flooring with 12×12" tile, 4/3/01 8.0 hrs

8/31/2001 Enorson School Main Office in unult, Removed 54-9" Square Acm Resilent Cloor

tile. First uncouned entere arem with
the Hepa Uncoun. Flooded floor with
under and using a pully knife, popped up
the tile and put in to an impormenable bag
and double bagged. After all wis picked
up, uncouned entere area again with
the Hepa waren, took tole to the
ware house for storage until taken to
land Sill for disposal 1.5

7/20/06

In koon 207 Replaced 2 resilent ACM floor tile with New 12"/12" est down to 9"x9" to fit. Put into an impermeable bay and disposed of in the Dumpster At Emerson.

Also check the ceiking in Koom 207. Thought
the ceiling was leaking, turned out to be Dust
collecting on ceiling from 3 vent wern ceiling.
Also thought the 2 new Boiler had Asbestes
gaskets & insulation, turned out to be ceramic
material. 2.5 hrs.

P.S. Boiler Company sending MSDS sheet for Verification.

Inspector Kevin h Fesler Cert No. A12503 exp. 314/07
Asbestos Environnental Consulting and Training of Michigan
13792 Sharon Rd. Chesaning Michigan 48616-0095
TX 810-496-1712, FAX 810-456-1714, Mobile 313-530-7994

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		r.
		2
		5

CHECK ONE ( ) Major Asbestos Activity under 763.91 (e) (X) OSM under 763.91(d) "OSM disturbing frieble 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 Phelps
3. Start & Completion dates:
February 6 - February 27, 1995  4. Location of the activity:
Emerson School
<ol> <li>Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.         back</li> <li>If ACM was removed, give the name and/or location of storage or disposal site the of ACM.</li> </ol>
a second

g.		

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:
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 Part Phelps
(use other side if necessary)  3. Start & Completion dates:
February 24, 1993
4. Location of the activity:
Emerson School
<ol> <li>Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.</li> </ol>
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:
프로젝스 마스 레스 Nagara (1985년 - 1985년 -
Owosso Public Schools Owosso, MI 48867 Address:
Address:' City: State: Zip:
Accreditation or contractor license number: State accredited in:
2. Names of each individual involved: signatures: 4 4
David Phelps An in Log Thou
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
S AFFACE - July 11 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
5. Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.
Oil back
6. If ACM was removed, give the name and/or location of storage or disposal site the of ACM.
[HET ] 그는 이 모든 1 전문 전환 제상이 되는 사람들이 되었다면 하다면 다른 사람들이 되었다. [HET ]
그 사람 집 집에 들어야지 하는 점이 하네요. 그 생생님 아이들이 그렇게 그 아니라 살아 먹었다.

		J

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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:
David Phelps David Jee Phelps
Bruce Hickmott Bruce R. Huleman
9
(use other side if necessary) 3. Start & Completion dates:
February 14, 1991
4. Location of the activity:
Emerson School
<ol> <li>Attach a detailed description of the activity (preventative measures if used), methods used, reasons for selecting the measure or action.</li> <li>over</li> </ol>
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

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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:
Dave Phelps  Dave Phelps
pare mers
Bruce Hickmott Brune & Duhmo
(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

	ij.		

CHECK ONE ( ) Major Asbestos ( X) OSM under 763.	Activity under 763.9 91(d) "O&M disturbing	1 (e) friable ACBM."
According to 763.94 (f) and (each activity affecting ACBM.	g) the following data	must be collected for
1. Information on the contrac Name: Owosso Public S		ing the activity:
1405 W. North	Owosso, MI	48867
Address:	City:	State: Zip:
Accreditation or contracto State accredited in: 2. Names of each individual i		ures:
Bruce Hickmott	Bank the	Huberrie
David Lee Phelps	- Dave	fre shops
	+	
3. Start & Completion dates:	(use other s	ide if necessary)
June 27, 1989		
July 6, 1989 4. Location of the activity:	1.0	
Emerson School		
<ul><li>5. Attach a detailed descript used), methods used, reaso (back)</li><li>6. If ACM was removed, give the of ACM.</li></ul>	ns for selecting the	measure or action.
Venice Park Developmer 9536 Lennon Road Lennon, MI 48449	nt	

CHECK ONE ( ) Major Asbesto ( X ) OSM under 763	s <u>Activity</u> under 763.9 .91(d) "OSM disturbing	1 (e) friable ACBM."
According to 763.94 (f) and each activity affecting ACBM	(g) the following data	must be collected for
<ol> <li>Information on the contra Name:</li> </ol>	ctor or person conduct	ing the activity:
Owosso Public Schools	Owosso	MI 48867
Address:	City:	State: Zip:
Accreditation or contract State accredited in: 2. Names of each individual		ures:
Dave Phelps	Darily	ue Phelps
Bruce Hickmott	Brune R. 1	Heckmost
		54
	9	
24		
á:	¥	
3. Start & Completion dates:	(use other s	ide if necessary)
December 11, 1989 December 12, 1989	a a	
4. Location of the activity:	Emerson School	
g <sup>©</sup> 4		8
		(a)
5. Attach a detailed descrip used), methods used, reas	tion of the activity ( ons for selecting the	preventative measures if measure or action.
6. If ACM was removed, give site the of ACM.	the name and/or locati	on of storage or disposal
debris - Venice P 9536 Len Lennon,	non Road	Si .
67	- P	

#### 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	W.					
	7.2		*		()		
Dave I	Phelps			- S		1	

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

290		

CHECK ONE ( ) Major Asbestos Ac ( X ) OBM under 763.91(	ctivity under 763.9 d) "O&M disturbing	1 (e) friable ACBM."
According to 763.94 (f) and (g) each activity affecting ACBM.	the following data	must be collected for
1. Information on the contractor Name:	` or person conduct	ing the activity:
Owosso Public Schools (	)wosso	MI 48867
Address:	City:	State: Zip:
Accreditation or contractor l State accredited in: 2. Names of each individual invo		
Roy Luft-Supervisor	Mark	Luft
Dave Phelps	David	Lee Pholps
Bruce Hickmott	Brune 22, 24	memore
	PT-01-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1	
	-	
	1	
3. Start & Completion dates:	(use other s	ide if necessary)
August 30-September 9, 19	88	
4. Location of the activity: $E$	merșon	
on the back		
<ol><li>Attach a detailed description used), methods used, reasons</li></ol>	of the activity (property of the results)	preventative measures if measure or action.
6. If ACM was removed, give the site the of ACM.	name and/or locatio	on of storage or disposal
debris - Venice Park Deve 9536 Lennon Road Lennon, MI 4844	_	

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### 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	Hic.	kmo	tt
--	-------	------	-----	----

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

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

ALL	
Major Fiber Release	
List Location and Description of Activities	
SEE ATTACHED	
	_
2. List Start and Completion Dates of Activities	
VARIOUS	
3. Name and Location of Storage of Disposal Site for ACM	
X	
ON-SITE AND ULTIMATE DISPOSAL AT VENICE LANDFILL	
	4
et e	

**LEA Name** 

SB#

OWOSSO PUBLIC SCHOOLS

		41	

# 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) <u>Major Fiber Release Episodes</u> [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 Fibe	r Release (continued)				
4. Name of Contractor Involved					
Last VARIOUS - SEE ATTACHED	First	M.I.			
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					

		_)

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

LEA Name						
OWOSSO PUBLIC SCHOOLS						
SB#						
ALL						
Minor Fiber Release						
<ol> <li>List Location and Method of Repair, Preventative Measures or Response Action Taken</li> </ol>						
SEE O&M ACTIVITIES FORM F-6						
e e						
* =						
H .						
2. Date of Minor Fiber Release Episode						
VARIOUS						
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						
VARIOUS - SEE ATTACHED						
* =						

# THREE YEAR ASBESTOS REINSPECTION

OWOSSO PUBLIC SCHOOLS 1405 WEST NORTH STREET OWOSSO, MI 48867

**APRIL 5, 1991** 



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### 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	3-5-91
2. Owosso Jr. High School	3-5-91
3. Bentley Elementary School	ol 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 & Maintenand	e 3-6-91
Green Meadows School (s	torage) 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

#### First 3 Year Reinspection for Owosso Public Schools Page 2 of 10 - April, 1991

#### 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

#### First 3 Year Reinspection for Owosso Public Schools Page 3 of 10 - April, 1991

#### **High School - continued**

#### 400 Wing of High School

- 1. 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

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#### First 3 Year Reinspection for Owosso Public Schools Page 4 of 10 - April, 1991

#### 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.

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#### First 3 Year Reinspection for Owosso Public Schools Page 5 of 10 - April, 1991

#### 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

#### First 3 Year Reinspection for Owosso Public Schools Page 6 of 10 - April, 1991

#### 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.

#### First 3 Year Reinspection for Owosso Public Schools Page 7 of 10 - April, 1991

#### **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.

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#### First 3 Year Reinspection for Owosso Public Schools Page 8 of 10 - April, 1991

#### 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.

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# First 3 Year Reinspection for Owosso Public Schools Page 9 of 10 - April, 1991 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.

#### MISCELLEANEOUS MATERIAL

2. FLOOR TILE: 15,717 sq ft, floor tile non-friable assumed ACM, throughout the building.

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#### First 3 Year Reinspection for Owosso Public Schools Page 10 of 10 - April, 1991

#### **Administration Building**

#### MISCELLANEOUS MATERIAL

#### ITEM #

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.

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### **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



#### Page 1 of 10 Second 3-Year Reinspection

### **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
1). 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

date

Accreditation # B-1031- U. of Illinois & USEPA

Trust Thermal Systems, 12451 US 27, DeWitt, MI 48820 Phone: (517) 669-8834

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#### Page 2 of 10 Second 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, 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

- 1. 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

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## Page 3 of 10 Second 3-Year Reinspection

#### 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

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#### Page 4 of 10 Second 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 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.

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#### Page 5 of 10 Second 3-Year Reinspection

#### 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

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#### Page 6 of 10 Second 3-Year Reinspection

#### 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.

#### Page 7 of 10 Second 3-Year Reinspection

#### **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.

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#### Page 8 of 10 Second 3-Year Reinspection

#### 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.

# Page 9 of 10 Second 3-Year Reinspection

#### 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.

# Page 10 of 10 Second 3-Year Reinspection

#### **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.

# THIRD 3 YEAR ASBESTOS REINSPECTION

OWOSSO PUBLIC SCHOOLS 1405 W. NORTH STREET OWOSSO, MI 48867

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TRUST THERMAL SYSTEMS, INC.

THOMAS J. LOWE, PRESIDENT

ESTABLISHED - 1979



CORPORATE OFFICES 12451 US 27 DEWITT, MI 48820

> (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.

Disagree

#### OWOSSO HIGH SCHOOL

<u>X</u>

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.

<u>X</u> \_

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/repaired 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/repaired 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:

personnel.

\*Damage - 3" gouge just outside old boiler room door in hallway

All material which is damaged and friable is to be rewrapped/repaired by trained

		is.	

# **Owosso Public Schools**

1405 W North St Owosso, MI 48867

Designated Person: Mr. Les Monroe

Office: (517) 723-8131

The following reinspection was conducted by Jim Rose. The inspector was responsible for all reinspection data generation and ACM assessments.

Building Inspected:	Date Inspected
1. Owosso High School	3-27-97
2. Owosso Jr. High School	3-26-97
3. Bentley Elementary School	3-26-97
4. Bryant School	3-26-97
5. Central School	3-26-97
6. Emerson School	3-26-97
7. Lincoln School	3-26-97
8. Roosevelt School	3-26-97
9. Washington School	3-26-97
10. Miscellaneous Buildings:	
Administration	3-26-97
Warehouse	3-26-97
Green Meadows School (storage)	3-27-97
Cass Street Warehouse (New inspection)	3-27-97

Inspection Completion Date: 3/27/97

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 - Jim Rose Accreditation - Tillotson Environmental Consulting #BI97021903

date

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 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

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## 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

# 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

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# 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.

#### 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.

# **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

## 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.

# **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.

# LINCOLN ELEMENTARY SCHOOL

# MISCELLANEOUS MATERIAL

1. FLOOR TILE: 70 square feet, Assumed ACM, Non Friable, located in the small kitchen on the main floor.

# ROOSEVELT ELEMENTARY SCHOOL

# MISCELLANEOUS MATERIAL

ITEM #:

1. FLOOR TILE: 3,545 sq ft floor tile non-friable assumed ACM, throughout the building.

# 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.

## 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.

#### 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

Date

Tom Lowe MP certification # MAIC 0836

Management Planner

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## D.J.Buschini Independent Consulting Service

July 15th, 2000

Mr. Dan Hock Director of Operations 1/2000

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 their 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

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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

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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 reinspection 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 replaces 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



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 HEAL

This is to certify that

Kevin Fesler

has satisfactorily met the statutory requirements for

Insp / Risk Assessor MI LHRP No. P-1410



### 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



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

A12503

Expiration Date 03/14/2004

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

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 flie requirements of Section 206 of the Toxic Substances Control Act to be accredited as an Asbestos

Contractor/Supervisor

Accreditation Number

Expiration Date 03/14/2004

BSR-OH-270 (6/98) Authority: Michigan Public Act 440 of 1988, a

60564

#### AHERA 3 YEAR REINSPECTION REPORT [763.85(b)(3)(vii)]

LEA	:_ Owosso P	ublic Schools		Date:	July 1, 2003
Add	ress: 1405 N	forth St.	Ososso, MI		*****
		et Number	City/State		48867
DT D		1000000	Only State		Zip
BLD	)G: <u>#1</u>	Administration	1405 North St. Owo		
	Number,	Name,	Address if different	from LEA	
Rein	spection perfor	med by Kevin L. Fesler		Du	T
			****	Date:	June 16, 2003
Accr	editation Numl	ber and State	A 12503 Michigan		
Inspe	ectors Signatur	Hool Bo	<u></u>		
		Inspectors	Findings/Assessments		
~					
Char	nges noted in	the condition of know	n or assumed ACBM:	[763.85]	
Exac deter		any samples that wer of samples [763.86].	e collected during reins	pection 2	and method used to
( )		2211000/3-03-03a OCL.	ila were determined as pe 85) ASBESTOS IN BLD CING MATERIAL. (PIN	Z L CITA ADDI	TITITI O LA CONTRA DEL LA CONTRA DEL LA CONTRA DEL LA CONTRA DEL LA CONTRA DE LA CONTRA DEL
( )	Sample locat selected at ra	ions for bulk sampling ndom to insure sufficie mage non-friable materi	for Thermal System Insunt numbers were taken to ial and possibly create a h	lation and	l misc. material were

(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

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

&A: 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.

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#### AHERA 3 YEAR REINSPECTION REPORT [763.85(b)(3)(vii)]

LEA	: Owosso P	ublic Schools		Date:	July 1, 2003
Add	ress: 1405 N	Jorth St.	Ososso, MI		400.63
		et Number	City/State	****	48867 Zip
DIE	0.00	such the etc.	,		Σφ
BLL	OG: # 2	Bentley Elementary	1375 North St.	Owo	
	Number,	Name,	Address if different	from LEA	1
Rein	spection perfor	rmed by Kevin L. Fesler		Date:	June 16, 2003
Accı	reditation Num	ber and State	A 12503 Michigan		
Insp	ectors Signatur	e Kasc-fe	ser	1	
		Inspectors I	Findings/Assessments		
Cha	nges noted in	the condition of known	100000000000000000000000000000000000000	Blook of the Avenue	
			or assumed ACDIVI.	[763.85]	
	No Visible (	Changes Noted			
Troo	t landing - C				
deter	rmine location	any samples that were of samples [763.86].	collected during rein	spection	and method used to
	mine location	or samples [/03.86].			
	No samples	were collected.			
( )	Sample loca	tion for surfacing materila	were determined	<b>D</b> (	1 . 0 . 4
` ,	Publication (	EPA 560/5-85-03a Oct. 8	5) ASBESTOS IN BU	DG SIMB	of set forth by Table 2
	SCHEME F	OR FRIABLE SURFAC	ING MATERIAL, (PI	NK BOO	K)
( )	Sample loca	tions for bulk sampling for	or Thermal System Inc	ulation an	d mise material
	solveted at 18	moon to insure sumcient	I numbers were taken t	O CONAT DO	more footoge .C.
	but not to da	mage non-madie materia	l and possibly create a	hazard to	human health and the
	environment				

enter mark as appropriate

(x)

## 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

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

ZA: 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 = Damaged friable surfacing ACBM, 4 = Damaged or significantly friable miscellaneous material, 5 = ACBM with the stential 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.

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#### AHERA 3 YEAR REINSPECTION REPORT [763.85(b)(3)(vii)]

LEA: Owosso P	ublic Schools		Date:	July 1, 20	003
Address: 1405 N	North St.	Ososso, MI			48867
Stre	et Number	City/State		Zip	
BLDG: <u>#3</u>	Bryant Elementary	925 Hampton St.	Owo	SSO	
Number,	Name,	Address if different f			
Accreditation Num Inspectors Signatur	V 00	A 12503 Michigan	Date:	June 16,	2003
	Inspectors I	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

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## 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

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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

aterial 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.

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LEA	Owosso Pu	iblic Schools		Date:	July 1,	2003
Addr	ess: 1405 N	orth St.	Ososso, MI			48867
		et Number	City/State			Zip
BLD	G: # 4	Central Elemen	toru 600 W Olive Gu			•
טעט	Number,	Name,	Address if different		VOSSO	
		,		HOIII L/L/Z		
Reins	spection perfor	med by Kevin L. F	esler	Date:	June 16	. 2003
Accr	editation Numb	ner and State	A 12503 Michigan			
		Z State	A 12303 Whenigan			
Inspe	ctors Signature	= Then E.	- test			
		Inspec	etors Findings/Assessments			
		Hispee	tors rindings/Assessments			
Char	iges noted in t	he condition of k	nown or assumed ACBM:	[763.85]		
Exac deter	t locations of mine location	any samples that of samples [763,8	were collected during rein 86].	spection	and met	hod used to
	No samples	were collected.				
( )	Sample locat Publication (	tion for surfacing n	naterila were determined as p	er Protoco	ol set fort	
	SCHEME FO	OR FRIABLE SUI	Oct. 85) ASBESTOS IN BLI RFACING MATERIAL. (PI	NK BOO	LIFIED S K)	h by Table 2 SAMPLING

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

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001 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>	ММ	Y	NF	5	Throughout Building	Maintain by O & M
7	Floor Tile Mastic	MM	A	NF	5	Throughout Building	Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

13,630 ft2

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.

LEA: Owosso P	ublic Schools	I	Date: Ju	uly 1, 2003
Address: 1405 N	North St.	Ososso, MI		48867
Stre	eet Number	City/State		Zip
BLDG: # 5	Emerson Elementary	515 W. Oliver St.	Owo	SSO
Number,	Name,	Address if different from		
	rmed by <u>Kevin L. Fesler</u>		Date: Ju	une 16, 2003
Accreditation Num	ber and StateA	12503 Michigan		
Inspectors Signatur	re How Car for	2_		
	Inspectors F	indings/Assessments		
Changes noted in	the condition of known	or assumed ACBM: [7	63.85	
No Visible	Changes Noted			

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

- ( ) 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

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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

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# 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

faterial 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 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.

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LEA: Owosso P	ublic Schools		Date:	July 1, 2003
Address: 1405 N	lorth St.	Ososso, MI		48867
Stre	et Number	City/State		Zip
BLDG: # 6	High School	765 E. North St.	Owo	SSO
Number,	Name,	Address if different	from LEA	
Reinspection perform	rmed by Kevin L. Fest	ler	Date:	June 16, 2003
Accreditation Num	ber and State	A 12503 Michigan		
Inspectors Signatur	e Ker C	Ral		11
	Inspecto	rs 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].

- ( ) 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

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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

Yes P. tose

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

A: Owosso Public Schools

LA	Owosso Fubil	ic Schools			Building	g: 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
i	Tank Insulation 340 ft <sup>2</sup>	SM	Y	NF	5	Boiler Room	Maintain by O & M

5

5

5

5

5

Throughout Building

Throughout Building

Throughout Building

Throughout Building

Maintain by O & M

Maintain by O & M

Maintain by O & M

Maintain by O & M

Maintain by O & M

Material Extracted by Kevin L. Fesler Date July 1, 2003

MM

TSI

TSI

MM

MM

Y

Y

Y

Y

A

2

3

4

5

6

Fire Doors

Pipe Joint

Insulation

85,500 ft<sup>2</sup>

85,500 ft<sup>2</sup>

Pipe Insulation

Floor Tile 9 x 9

Floor Tile Mastic

Material Category TSI = Thermal System Insulation, Surf. = Surfacing Material, Misc. = Miscellaneous (F) = Friable, (NF) = Non-friable, (X) = Non applicable (Non-ACBM)

NF

NF

NF

NF

NF

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.

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LEA: Owosso P	ublic Schools		Date:	July 1, 2003
All the All th	orth St. et Number	Ososso, MI		48867
	23 Ch. H. H.	City/State		Zip
BLDG: # 7 Number,	Jr. High School Name,	215 N. Water St. Address if different fr		wosso
Reinspection perfor	med by <u>Kevin L. Fesle</u>	A 12503 Michigan	Date:	June 16, 2003
Inspectors Signatur	e Ker C.	tese		
	Inspector	s Findings/Assessments		
Changes noted in	the condition of know	vn or assumed ACBM:	[763.85]	<u>L</u> . II.

No Visible Changes Noted

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

- ( ) 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

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

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HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

A: 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)

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LEA: Owosso Public Schools	Date:	July 1, 2003
Address: 1405 North St.	Ososso, MI	10000
Street Number	City/State	48867
auto di ilia di ilia di ilia di ilia di ilia di ilia di ilia di ilia di ilia di ilia di ilia di ilia di ilia di	only, state	Zip
BLDG: # 8 Lincoln Elementary School	100 S. Michigan St.	Owosso
Number, Name,	Address if different from LEA	0 10 0 0 0 0
1)	Date:	June 16, 2003
Inspectors Signature	626	
Inspectors Fi	ndings/Assessments	
Changes noted in the condition of known o	r 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].

- 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
- enter mark as appropriate (x)

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

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TERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001

A: 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	ММ	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 = ignificantly damaged friable surfacing ACBM, 4 = Damaged or significantly friable miscellaneous material, 5 = ACBM with the tential 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.

LEA:	Owosso Public Schools		Date:	July 1, 200	)3
Addre	ess: 1405 North St.	Ososso, MI			48867
	Street Number	City/State			Zip
BLDO	G: #9 Roosevelt Elementary School	20137.0	6	2	-
DLD		201 N. Brook Address if different from		Owosso	-
		radioss if different inc		•	
Reins	pection performed by Kevin L. Fesler		Date:	June 16, 20	003
Accre	ditation Number and State A 1	2503 Michigan			
	ctors Signature Kes C. De	AL Whenigan			
	Inspectors Fin	dings/Assessments			
Chan	ges noted in the condition of known or		763.851		
Exact deter	locations of any samples that were comine location of samples [763.86].	liected during reinsp	ection	and method	d used to
	No samples were collected.				
( )	Sample location for surfacing materila w Publication (EPA 560/5-85-03a Oct. 85) SCHEME FOR FRIABLE SURFACIN	ASBESTOS IN BLDO	G. SIMF	LIFIED SA	oy Table 2 MPLING
(x)	Sample locations for bulk sampling for selected at random to insure sufficient multiple but not to damage non-friable material attentionment.	umbers were taken to	cover se	quare footag	e of area

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Assessments	or reassessments	made	of fria	ble ma	aterial [	763.881.

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)].

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# HERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA SRF 1: Previous Inspection Dates 7-2001 A: 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.

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#### AHERA 3 YEAR REINSPECTION REPORT [763.85(b)(3)(vii)]

LEA: Owosso	Public Schools	I	ate:	July 1, 2003
Address: 1405	North St.	Ososso, MI		48867
Sta	reet Number	City/State		Zip
BLDG: # 10	Warehouse	1310 S. Cedar St.		Owosso
Number,	Name,	Address if different from	n LEA	
Reinspection perfe	ormed by <u>Kevin L. Fes</u>	ler	Date:	June 16, 2003
Accreditation Nur	mber and State	A 12503 Michigan		
Inspectors Signatu	ure Kee	l. 622		
	Inspecto	rs Findings/Assessments		
Changes noted in	n the condition of kno	own or assumed ACBM: [7	53.85]	

Exact locations of any samples that were collected during reinspection and method used to determine location of samples [763.86].

No samples were collected.

No Visible Changes Noted

- ( ) 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 3A: 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)]

Address: 1405 N	North St.	Ososso, MI	2002
	eet Number	City/State	48867 Zip
BLDG: # 11	Washington Elementary	645 Alger St.	Owosso
Number,	Name, Add	dress if different from I	EA
- Protecti porto	rmed by Kevin L. Fesler	Da	te: June 16, 2003
Accreditation Num	1/ 00		Tune 10, 2003

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

April 11, 2006

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

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



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

	S 2 *	
		<b>1</b>

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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 wom 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.

<u>Lincoln Elementary:</u> 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

SixF1: 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	Т	Υ	NF	5	Basement Furnace Room	Maintain by O& M
2	9" x 9" Floor Tile 150 ft <sup>2</sup>	М	Υ	NF	5	Break Room and Janitors Closet	Maintain by O& M
3	9" x 9" Floor Tile Mastic 150 ft²	М	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 =1Damaged or significantly damaged TSI ACBM;

2 = Damaged friable surfacing ACBM;

3 = Significantly damaged friable surfacing ACEM;

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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

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#### .ERA 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	Т	Υ	NF	5	Throughout Building	Maintain by O& M
2	Pipe Joint Insulation	Т	Υ	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 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

#### **LERA 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	М	Y	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Υ.	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Ţ	Υ	NF	5	Throughout building	Maintain by O& M
4	Spray on Ceiling 6,800 ft <sup>2</sup>	s	А	NF	5	1957 Addition	Maintain by O& M
5	9" x 9" Floor Tile 3,545 ft <sup>2</sup>	М	Y	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile Mastic 3,545 ft <sup>2</sup>	М	A	NF	5	Throughout building	Maintain by O& M

T = Therma! System Insulation; S = Surfacing Material; M = Miscellaneous Material Material Category:

Asbestos:

Y = Tested and found to contain asbestos

N = Tested and found not to contain asbestos

A = Assumed positive, not tested.

- RA Assessment Category: 1 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

#### LERA 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	Υ	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	Т	Υ	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	M	Υ	NF	5		Maintain by O& M
4	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	T	Υ	NF	5	Throughout building	Maintain by O& M
6	Spray on Ceiling 12,200 ft <sup>2</sup>	s	Υ	NF	5	1957 Addition	Maintain by O& M
7	9" x 9" Floor Tile 23,500 ft²	M	Υ	NF	5	Throughout building	Maintain by O& M
8	9" x 9" Floor Tile Mastic 23,500 ft²	M	А	NF.	5	Throughout building	Maintain by O& M

T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

estos:

Y = Tested and found to contain asbestos

N = Tested and found not to contain asbestos

A = Assumed positive, not tested.

AHERA Assessment Category: 1 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

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#### .¿RA 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	М	Υ	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	Т	Υ	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	М	Υ	NF	5		Maintain by O& M
4	Pipe insulation	Τ	Υ	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	Т	Υ	NF.	5	Throughout building	Maintain by O& M
6	Spray on Ceiling 6,800 ft <sup>2</sup>	s	Υ	NF	5	1957 Addition	Maintain by O& M
7	9" x 9" Floor Tile 22,200 ft <sup>2</sup>	M	Υ	NF	5	Throughout building	Maintain by O& M
8	9" x 9" Floor Tile Mastic 22,200 ft²	М	Α .	NF	5	Throughout building	Maintain by O& M

T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Y = Tested and found to contain asbestos

N = Tested and found not to contain asbestos

A = Assumed positive, not tested.

- AHERA Assessment Category: 1 =1Damaged 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 ACEM or non-friable surfacing or miscellaneous material;
  - N = No assessment catergory provided in original inspection.

Material Extracted by:

Kovin L. Foslor

#### ¿RA 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		Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	М	Υ	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 10,360 ft <sup>2</sup>	М	Υ	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 10,360 ft <sup>2</sup>	М	А	NF	5	Throughout building	Maintain by O& M

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 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

#### A. . ¿RA 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	М	Υ	NF	5	Boiler Room	Maintain by O& M
2	Boiler Insulation	T	Υ	NF	5	Boiler Room	Maintain by O& M
3	Fire Doors	М	Υ	NF	5		Maintain by O& M
4	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
5	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile 13,630 ft <sup>2</sup>	М	Υ	NF	5	Throughout building	Maintain by O& M
7	9" x 9" Floor Tile Mastic 13,630 ft <sup>2</sup>	М	А	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 =1Damaged 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 catergory provided in original inspection.

-Material Extracted by:

Kevin L. Fesler

#### ALERA 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		Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	М	Υ	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Y	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 100 ft²	М	Υ	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 100 ft <sup>2</sup>	М	А	NF	5	Throughout building	Maintain by O& M

T = Thermal System Insulation; S = Surfacing Material; M = Miscellaneous Material

Asbestos:

 $\dot{Y}$  = Tested and found to contain asbestos

N = Tested and found not to contain asbestos

A = Assumed positive, not tested.

AHERA Assessment Category: 1 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

#### , ... ERA REINSPECTION FORM FOR EXTRACTING PREVIOUS DATA

SRF1: Previous Inspection Dates 7-2001, 7-2003

LEA: Owosso Public Schools Building: \

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	М	Υ	NF	5		Maintain by O& M
2	Tank Insulation	Т	Υ	NF	5	Boiler Room	Maintain by O& M
3	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	Pipe Joint Insulation	T	Υ	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile 15,720 ft <sup>2</sup>	М	Υ	NF	5	Throughout building	Maintain by O& M
6	9" x 9" Floor Tile Mastic 15,720 ft <sup>2</sup>	М	А	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.

ERA Assessment Category: 1 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

#### .ERA 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	М	Υ	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 21,000 ft <sup>2</sup>	М	Y	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 21,000 ft <sup>2</sup> al Category: T = Thermal Syste	М	Α	NF	5	Throughout building	Maintain by O& M

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 =1Damaged 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 catergory provided in original inspection.

Material Extracted by:

Kevin L. Fesler

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#### AMERA 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		Asbestos (Y)(N)(A)	(F) (NF) (X)	AHERA Assessment Code	Location	Response Action
1	Fire Doors	М	Y	NF	5		Maintain by O& M
2	Pipe Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
3	Pipe Joint Insulation	Т	Υ	NF	5	Throughout building	Maintain by O& M
4	9" x 9" Floor Tile 85,000 ft <sup>2</sup>	М	Υ	NF	5	Throughout building	Maintain by O& M
5	9" x 9" Floor Tile Mastic 85,000 ft <sup>2</sup>	М	А	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 =1Damaged 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

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