A.H.E.R.A.

Management Plan for Asbestos Containing Building Materials

Willamette Primary 1403 S.E. 12th Street West Linn, OR 97068

TRE Project No. 1020-90

Conducted By:

Prepared by

THREE RIVERS ENVIRONMENTAL, Inc.

INTRODUCTION

Each LEA must develop an Asbestos Management Plan for school buildings under its authority. This plan is to be submitted to the state Governor (or designee), no later than October 12, 1988. LEA's are required to begin implementation of their management plan by July 9, 1989 and to complete in stages. A copy of the plan must be available in the school administrative offices for viewing by the public.

A Management Plan should be used as a guidance document for asbestos control. A brief description of the elements of the plan as required by AHERA follows. Other sections of the notebook provide detailed information on the various components of the plan.

Management plans should be considered working documents. They set forth a framework for short and long-term actions to be taken by the LEA to protect building occupants. They must be kept up to date (e.g., response actions, dates and results of surveillance).

This survey was performed using non-destructive sampling methods in order to maintain the integrity of occupied spaces. Any unknown or suspect materials revealed during renovation or demolition of the structure should be tested for asbestos content prior to their disturbance.

The Management Plan represents the combination of the Inspection Report with a game plan for responding to and maintaining the asbestos containing materials. It is a flexible document that you can easily update. It is designed on an AHERA format and currently exceeds state and federal requirements for managing asbestos materials in commercial properties.

The Management Plan is a document the Owner must continue to use and update. The notebook will be an aid for the following activities:

Identifying and performing initial cleaning
Scheduling response actions
Training your personnel
Maintaining the asbestos containing materials in place
Learning to budget for asbestos activities
Setting building asbestos policies
Notifying affected parties
Keeping records

Remember this plan in not an encyclopedia of all asbestos facts, nor a recitation of the many rules affecting asbestos, nor a substitute for training.

CONCLUSION

The Management Plan should provide elaboration on all aspects of the plan. For example, in selecting a response action, justification is necessary for the particular choice, rationale for its prioritization and explanation of the resources required to implement the response should appear in the plan.

The Management Plan is viewed as a planning or working document. It not only sets out a course of action for the LEA, but it becomes documentary evidence of progress in implementing asbestos control options. Give the cost and financing information contained in the plan, it provides guidance on matters such as annual and long-term school budgeting and community tax and bond issues. In addition, the Management Plan will help school administrators identify potential funding sources to implement their asbestos control program.

LEA DESIGNATE

Tim Woodley
West Linn-Wilsonville School District 3Jt
22201 S.W. Stafford Road
Tualatin, OR 97068

The Local Education Agency Designate is required by the Final Rules to ensure the School's continuing compliance with the AHERA requirements. The LEA Designates specific requirements are described in 40 CFR Section 763.84 of the Final Rules.

SCHOOL ASBESTOS COORDINATO

As is option, the School may appoint a school asbestos coordinator to ensure compliance within a specific school. The coordinator's responsibilities parallel those of the LEA Designate.

LEA DESIGNATE DOCUMENTATION

The school district must designate and train a person to ensure compliance with the requirements of Section 763.84 of the Final Rules. The responsibilities of the LEA Designate's signature and statement of acceptance appears in the last TAB of the Management Plan. If the school board or superintendent has formally assigned the LEA Designate with a letter, memorandum, or similar conveyance, a copy should be filed under this Tab.

The West Linn-Wilsonville School District's Superintendent Roger L. Woehl acknowledges the undersigned person to act as the LEA Designate throughout the West Linn-Wilsonville School District.

	Signature: Trans / Woehl	
15466 7 - 7 - 7 - 7	Date: ////99	_

LEA DESIGNATE

Tim Woodley
West Linn-Wilsonville School District 3Jt
22210 S.W. Stafford Road
Tualatin, OR 97062
(503) 638-9869

LEA DESIGNATE TRAINING

Course Name: AHERA DP
TRAINING
Training Date: 10-14-99
Total hours:
Description:

LEA DESIGNATE RESPONSIBILITIES

Responsibilities are listed in the federal register included in this section.

ASBESTOS MANAGEMENT PLAN

FOR

Willamette Primary 1403 S.E. 12th Street West Linn, OR 97068

ASBESTOS PROGRAM COORDINATOR:

Tim Woodley (503) 673-7041

INSPECTION CONDUCTED BY:

ENVIRONMENTAL, Inc.

P.O. BOX 216 Gladstone OR, 97027 Phone: (503) 557-2396 Fax: 557-3025

WEST LINN-WILSONVILLE SCHOOL DISTRICT

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- 1. Introduction/LEA Designate & (Assurances)
 - Overview of Asbestos
 - AHERA Regulations
- 2. Summary of Asbestos Containing Building Materials (ACBM) in this facility
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 - Locations & Quantities of Asbestos Containing Building Materials
 - Asbestos Location Diagrams
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 - Annual (Parent/Legal Guardian/Occupant) Notification Records
- 4. Notification & Training of Employees/Contractors/Short-Term Workers
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 - Contractor Notification/Acknowledgment
 - Contractor Asbestos Awareness Training Records
- 5. Training Records
 - LEA Designate/Asbestos Awareness Training Records
 - Maintenance/Custodial Staff
 - Personnel Medical Records Respiratory Protection
- 6. Additional Asbestos Material Assessment Reports
 - Asbestos Sample/Material Location Diagram
 - Asbestos Sample Analysis Data
- 7. Additional Asbestos Sample/Assessment Data
- 8. Periodic Surveillance Reports (6-month)
- 9. Three-year Reinspection Reports
- 10. Asbestos Removal Activity/Response Action Recordkeeping
 - Operations & Maintenance (<3 sq. feet or 3 ln. feet)
 - Small Scale (>3 sq. feet or 3 ln. feet) (<40 ln. feet or 80 sq. feet)
 - Full Scale (>40 ln. feet or 80 sq. feet)
 - Flow Charts to Determine Adequate Response Actions
- 11. Operations and Maintenance Plan
- 12. Regulatory Agency Correspondence/Overview of Requirements (EPA, DEQ, Oregon OSHA)
- 13. Certificates (Management Planner, Building Inspector, Project Designer, NVLAP) NIOSH 582, 7400 Method Certification

Summary of Asbestos Containing Building Materials (ACBM) in this facility.

This section reflects requirements outlined in 40 CFR 763.85 (vi) (B) (c) (d) and (e)

The following subsections contain this required information:

- AHERA General Data Sheet
- Locations and quantities of Asbestos Containing Building Materials
- Asbestos location diagrams
- Consultants cost estimates for asbestos removal

SAMPLE/MATERIAL LOCATION DIAGRAMS

As part of the AHERA Asbestos Inspection the locations of samples collected are recorded on building diagrams. In addition to the sample locations, specific damage areas are recorded where found. The following pages provide the sample location diagrams for the School District. These drawings are organized in the same manner as the inspection/management plan data, i.e., campus one building one is first.

The title block contains the specific state, district, campus, and building or code with a 12 digit number. Next is the District Name, the Campus Name, and finally the Building Name. The next block provides the date the drawing was made, the street number and finally the drawing number.

Location of Caution Label: The AHERA regulations require the use of labels indicating the presence of Asbestos Containing Building Materials (ACBM). The label is to be placed on or near ACBM in routine maintenance areas in all school buildings. When this label is applied in the field the inspector identifies its' location on the sample location diagram. On the drawing, the label symbol contains information about its placement within the routine maintenance area so that it may be readily found by the LEA. The label states the following:

CAUTION ASBESTOS. HAZARDOUS. DO NOT DISTURB WITHOUT PROPER TRAINING AND EQUIPMENT

The presence of sample numbers, crosshatching and damage areas does not mean that all of the areas indicated contain asbestos. These location diagrams are a record of the field inspection only and are meant to show where samples were taken and what areas may be affected if asbestos is present. The determine which areas are affected, a review of the Inspection/Management Plan Data and the Petrographic Results contained in Sections 4 and 5 should be made. If desired, the location diagrams can be highlighted by the school district's asbestos coordinator to indicate the presence of asbestos containing material.

AHERA GENERAL DATA SHEET

SECTION 01314 CERTIFICATION OF NO HAZARDOUS MATERIAL ASBESTOS

ORIGINAL

No final payment shall be made until the Contractor shall file with the Owner, prior to acceptance of the Work, a notarized Certification of No Hazardous Material in the following form: Asbestos

ASBESTOS

"TO THE BEST OF MY KNOWLEDGE NO HAZARDOUS MATERIAL IS USED IN THE CONSTRUCTION OF THIS PROJECT. MATERIAL SAFETY DATA SHEETS WILL BE PROVIDED AS REQUESTED BY THE OWNER FOR ALL MATERIALS WHICH MAY BE QUESTIONED IN THE FUTURE."

17th	day of November, 19 99
	Firm Name McCarthy
	Signature Dure Tour
	Title Sr. Vice President

In WITNESS WHEREOF, the undersigned has signed and sealed this instrument this

(Attest) (SEAL IF CONTRACTOR IS A CORPORATION)

As determined necessary, evidence of compliance may be required to be submitted with and made a part of this Certificate.

> **ASBESTOS** END OF CERTIFICATION OF NO HAZARDOUS MATERIAL SECTION

> > 1999 PHASE II RENOVATION PROJECT WEST LINN - WILSONVILLE SCHOOL DISTRICT

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Firm Name INTERSTATE MECHANICAL
Signature Fred L. Koslowske

Title PRESIDENT

Else & Goodneh

(Attest)
(SEAL IF CONTRACTOR IS A CORPORATION)



As determined necessary, evidence of compliance may be required to be submitted with and made a part of this Certificate.

ASBESTOS
END OF CERTIFICATION OF NO HAZARDOUS MATERIAL SECTION

Nov 1 8 1999

Mar-99

1999 PHASE II RENOVATION PROJECT
WEST LINN - WILSONVILLE SCHOOL DISTRICT

01314-1

370050-006-001

OREGON DEPARTMENT OF EDUCATION 700 Pringle Parkway SE lalem, Oregon 97310-0290

Office of School District Services - 378-6964

SUMMARY DATA SHEET

Facility Name and Address	Illiamette		
Preparer Name and Phone No	Kathy Cameron	(913) 865-9455	Oate 4/27/8)

AHERA		Type of Asbestos-Containing Building Materials (ACBM)											
Damage Category		Surfacing	Thermal System	Thermal System Insulation (TSI)									
		Our lability	Lineal Feet	Square Feet	Miscellaneous								
Damaged or signific damaged TSI ACM	antly				īg.								
Damaged friable surfacing ACM													
Significantly damage friable surfacing AC		4960 .			172 °								
Damaged or signific damaged friable mis laneous ACM													
5. ACBM with potential for damage		4250	1641	1113	115900								
6. ACSM with potential significant damage	l for	100											
7. Other friable ACBM, friable suspected ACBM	, or												
8. Nonfriable ACBM, o nonfriable suspecte ACBM													
Total ACBM (Total 1 through 8)	Fl ²	10110		1113	45000								
(Total Full dugit 8)	L.F.		lati										
Total Friable ACBM	Ft ²	10110	The same of the sa										
(Total 1 through 7)	L.F.		*****		<i>\$</i> ; "!								

	HERA GENERAL DATA SHEET	
Williamette - Main	West Linn School Dis	trict
ame of School Building	LEA (District)	County
0 Box 100	West Linn	97068-0100
ddress	City	Zip Code
	Samuel Nutt	(503)638-9869
uilding Telephone Number	District's Asbestos Program Manager	Telephone Number
ublic <u>x</u> Private	State	
ONSTRUCTION DATA Before	Afti	<u> </u>
ear Built: 1930 1930-44	1945-60 _ 1961-75 _ 1975	5 Actual
dditions Dates:	Size (Sq. Ft. all f	loors)
onstruction Type: Steel H	lood Concrete Mason	nry Other
oof Framing: Steel Hood _	 -	
eating Hot ystem: Steam <u>Water</u>	Forced Electric I Air Baseboard I	deat Pump Other
enovation: Yes No	Year:	_
SE AND OCCUPANCY		
rimary Use: School Athle		Warehouse
•	- -	
	ng Other (describe) _	•
o. of Occupants: Staff	Students Maint./Custoo	dial Personnel
NSPECTOR*	MANAGEMENT PLA	NNER*
C A - 1	* - 1	
GGIA UNIET .	Name Viiii	
ame Gary Adler		
usiness Hall-Kimbrell		-kimbrell
	Business Hall	-kimbrell

Form 581-3111 (7/88)

RECORDS RETENTION: INDEFINITE

LOCATIONS & QUANTITIES OF ASBESTOS CONTAINING BUILDING MATERIALS

Campus: 006 Williamette

MAIN BUILDING

С	Homogeneous Area				Quanity	S/L			esponse Action			ple Dat	a	Cost Estimates		
		SD	D	I				ОМ	REP	REM	CL	Amo	Chry	Other	Repair	Removal
T	STEAM-PIPING			Х		731	LF	X								
T	STEAM-MJP			Х		174	SF	Х								
T	DHW-PIPING			X		225	LF	X								
T	DHW-MJP			X		120	SF	Х								
T	DCW-MJP			Х		76	SF	Χ						<u> </u>		
S	ACOUST, PLASTER			X		900	SF	Х								
S	ACOUST, PLASTER			Х		3300	SF	X								
S	ACOUST, PLASTER			Х		700	SF	Х								
S	FIRE PROOFING			X		250	SF	X								
М	FLOOR TILE			Х		45000	SF	Х								
						1								I		
T	B.RBOILER			Х		350	SF	Х								
Ŧ	B.RMJP			Х		118	SF	Х								
Ŧ	B.RPIPING			X		685	LF	Х								
T	B.RDHW TANK			×		275	SF	X								
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	Thermal												***************************************			
	Surfacing															
	Misc												······			
	Transite												·			
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LABORATORY:
HALL-KIMBRELL ENVIRONMENTAL SERVICES

PETROGRAPHIC ANALYSIS FOR ASBESTOS

West Linn S.D. 3JT 37-0050

4840 W. 15th Street

Lawrence, Kansas 66044 LAB SUPERVISOR: Thomas Bergin OTHER MATERIALS ASBESTOS MIN VERM PUMC BIND OTHI OTH2 TOT% DATE MICROSCOPIST USGROUP SAM# CONT | ASB | CHRY AMOS CROC ANTH ACT/TRM [***ASB** WOOD == USA # 01 = 0% 100% 09/15/88 Susan Hoff 25% ٥ŧ 37005000600101 85 ¥ 30% 45% 0% 0% 0% 75% 0% 04 01 01 Y 0% 0% 20% 0% #0 100% 09/15/88 Susan Hoff 35% 0\$ 0% 80% 0% 0% 37005000600101 86 45% 0% 09/15/88 0% #0 100% Susan Hoff 37005000600101 87 ¥ 40% 40% 01 Ô٧ 0% 80% 01 40 0\$ 0% 20% ¥ 100% 09/15/88 Susan Hoff 90 9 0% 0% 25% Ó٤ 0% 40% 0% 94 75% 137005000600101 88 ¥ 35% 01 0% \$0 100% 09/15/88 Susan Hoff 0% 75¥ 9 01 0% 0¥ 25% 37005000600101 69 ¥ ¥ 40% 35% Ó٤ 01 09/15/88 01 θŧ 65% 90 10% 0\$ 0% 25% ûŧ 90 100% Susan Hoff 137005000600101 90 Y 35% 30% 0% 09/15/88 Susan Hoff 60 10% 0% 30% 04 0% 100% 37005000600101 91 Y 20% 40% 0% 0% 0% 60% 0% 9 100% 09/15/88 Susan Hoff 70% Ø\$ Û٤ 0% 0% 30% 137005000600101 92 50% 20% 0% 0% 0% 100% 01 0ŧ 09/15/88 Susan Hoff 137005000600101 93 N Y 2% 2% 01 0% 0\$ 4% Q* 90% 0% 0% 63 09/15/88 04 01 Susan Hoff 37005000600101 94 40% 30% 01 01 01 701 01 01 98 0% 301 100% N Y 0% 22% 0% 68% 01 0% 10% 0% 0% 100% 09/15/88 Susan Hoff 137005000600101 95 20% 2% 90 0% ¥ ¥ 100% 09/15/88 Susan Hoff 0% 0% 37005000600101 96 N 35% 30% 0% 0% G¥. 65% 0% 10% 0% 0% 25% = USA # 02 = 0% 100% 09/15/88 Susan Hoff 35% 10% SF 20% 37005000600102 97 Y 35% 0% 0% 0% 90 35% 0% 0% 01 100% 09/15/88 Susan Hoff 60% 25% 9.0 137005000600102 98 Y Y 5% 01 01 01 01 51 0\$ 01 0% 10% SF 09/15/88 Susan Hoff 0% 0% 0% 50% 60 20% 0% 10% SF Ûŧ 100% 137005000600102 99 Y Y 50% 0% = USA # 03 = 40% 0% 01 100% 09/19/88 Mary Holland 68 0¥ 137005000600103 00 Y Y 5% 55% 0% 01 01 60% 01 01 Mary Holland 0% 0% 0% 0% 35% 0% 0¥ 100% 09/19/88 0% 65% Y 60% 0% 0% 137005000600103 01 51 100% 0% 0% 0¥ 40% 0% 0\$ 09/19/88 Elaine Cook 137005000600103 02 5% 55% 01 0% 01 60% 0% ¥ Y == USA # 04 ===== 76% 0% 10% 0% 0% 100% 09/19/86 Mary Holland Q٤ 0% 14% 0% 0% 137005000600104 03 14% 0% 0% Y Y Mary Holland 01 100% 09/19/88 08 Gŧ 124 0% 781 08 10% 08 [37005000600104 04 Y Y 12% 01 01

PAGE 5 - 1

LABORATORY:

PETROGRAPHIC ANALYSIS FOR ASBESTOS West Linn S.D. 3JT 37-0050

HALL-KIMBRELL ENVIRONMENTAL SERVICES 4840 W. 15th Street

Lawrence, Kansas 66044

LAB SUPERVISOR: Thomas Bergin

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37005000600110	19	Y	Y	15%	60	0%	0%	0%	15%	0%	0%	40%	0%	45₺	0%	0%	100%	09/19/88	Mary Holland
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LABORATORY:

PETROGRAPHIC ANALYSIS FOR ASBESTOS West Linn S.D. 3JT 37-0050

HALL-KIMBRELL ENVIRONMENTAL SERVICES 4840 W. 15th Street

Lawrence, Kansas 66044

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3700500060017 5	22	N	И	0%	0%	\$0	0%	60	0%	0%	58%	0%	\$0	12 % G	M 30%	01	100%	07/05/89	M. Jackson
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37005000600175	24	И	N	0%	£0	0%	0%	0%	90	0%	27%	90	#0	64% G	M 9%	\$0	100%	07/05/89	M. Jackson
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										i									

LAB SUPERVISOR: Thomas Bergin

DISTRICT COST SUMMARY

PROJECT NUMBER: 37-0050 DISTRICT NAME: West Linn S.D. 3JT

REMOVAL COST	REINSULATION COST	COMBINED COST
\$376,182	\$176,628	\$552,810
\$376,182	\$176,628	\$552,810
	\$376,182	

The following Microscopists performed the analysis for this project: No. 37-0050 West Linn S.D. 3JT

Signature

Susan Hoff

Mary Holland

Elaine Cook

August Mary Laws Cook

August Mary Mary Laws Cook

D. Sheperd

M. Jackson

Campus: 006 Williamette

West Linn S.D. 3JT 37--0050

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 07/14/89

Inspected By: Gary Adler
Certification #: HK80026 St: KS
State Cert #: St:
Gross Square Ft: 74,320

YSTEM: Low Pr. Steam	LOCATION: All Floors in Building		RIAL: Wrapped Paper Pipe Cover
AMAGE CATEGORY: CSM with Potential for Damage	REASON for DAMAGE CATE The material is observ good condition.		R DISTURBANCE: SAMPLE# %AS: 97 35 98 5 99 50
MATERIAL QUANTITIES	REMOVAL COST	REPLACEMENT COST	S TOTAL COSTS
275 Ft. 4 In. O.D 456 Ft. 6 In. O.D	. 171.44	\$1,535 \$3,698	\$3,988 \$9,617
ļ		AREA T	OTAL \$13,605
ECOMMENDED RESPONSE ACTION:			VE MEASURES: I and ORM Code: CMA
EA RESPONSE: CTION ELECTION:	1	RESPONSE ACTION	ON SCHEDULE
Same as recommended	į	START DATE	COMPLETION DATE
COMMENTS:	St	immer 1989	Ongoing

POTENTIAL FOR DISTURBANCE: DAMAGE CATEGORY: REASON for DAMAGE CATEGORY: Sample# **&ASB** ACBM with Potential for Damage The material is observed to be in Slight 00 60 good condition. 01 65 02 60

West Linn S.D. 3JT

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 07/14/89

Inspected By: Gary Adler Certification #: HK80026 St: KS St: St: 37-0050

Gross Square Ft:

MATERIAL QUANTITIES	REMOVAL	OST	REPLACEMENT COSTS	TOTAL COSTS
89 4 In. C. D.	\$2,50		\$1,389	\$3,889
) 85 6 In. O. D.	\$3,26	88	\$1,931	\$5,219
İ			AREA TOTAL	\$9,108
COMMENDED RESPONSE ACTION:	MANAGEMENT PRIORITY		NDATION PREVENTIVE MEA	empre.
M Maintain/Monitor	3	••		l OEM Code: OMA
A RESPONSE:	•		RESPONSE ACTION SCH	EOULE
TION ELECTION:	ļ	ļ		
Same as recommended	,	 	START DATE	COMPLETION DATE
omments:	į	Summer 1989)	Ongoing
*******	 **************	 *********	*********	************
	INSPECTION RESULTS	UNIFIED SAM	IPLING AREA NUMBER - 04 *	* *
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	**-	· · · · · · · · · · · · · · · · · · ·	
	LOCATION: All Places in Build	ting	Type of Material:	Wrapped Paper Pipe Cover
	LOCATION: All Ploors in Build	ding	TYPE OF MATERIAL:	Wrapped Paper Pipe Cover
		ding	TYPE OF MATERIAL:	Wrapped Paper Pipe Cover
+ 		ding	TYPE OF MATERIAL:	Wrapped Paper Pipe Cover
	All Ploors in Build	·		
Mage Category:	All Ploors in Build	Category:	POTENTIAL FOR DIST	Turbance: Sample# %
Mage Category: EM with Potential for Damage	All Ploors in Build	Category:	POTENTIAL FOR DIST	TURBANCE: SAMPLE# %A 03 1
Mage CATEGORY: BM with Potential for Damage	All Floors in Build REASON for DAMAGE O	Category:	POTENTIAL FOR DIST	TURBANCE: SAMPLE# %A 03 1 04 1
Mage Category: EM with Potential for Damage	All Floors in Build REASON for DAMAGE O	CATEGORY: served to be	POTENTIAL FOR DIST	TURBANCE: SAMPLE# %A 03 1 04 1
MAGE CATEGORY: BM with Potential for Damage	All Ploors in Build REASON for DAMAGE (The material is obs good condition.	CATEGORY: served to be	POTENTIAL FOR DIST in Slight	TURBANCE: SAMPLE# %A 03 1 04 2 05 1
MAGE CATEGORY: BM with Potential for Damage MATERIAL QUANTITIES	REASON for DAMAGE (The material is obs good condition.	CATEGORY: served to be	POTENTIAL FOR DIST in Slight REPLACEMENT COSTS	TURBANCE: SAMPLE# %A 03 1 04 2 05 1 TOTAL COSTS
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D.	REASON for DAMAGE (The material is obs good condition.	CATEGORY: Served to be	POTENTIAL FOR DIST in Slight REPLACEMENT COSTS \$1,256	TURBANCE: SAMPLE# %A 03 1 04 2 05 1 TOTAL COSTS \$3,263
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D.	REASON for DAMAGE (The material is obs good condition. REMOVAL (\$2,00	CATEGORY: Served to be COST 07	POTENTIAL FOR DIST in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL ENDATION	TURBANCE: SAMPLE# %A 03 1 04 2 05 1 TOTAL COSTS \$3,263
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D.	REASON for DAMAGE (The material is obs good condition. REMOVAL (\$2,00	CATEGORY: Served to be COST 07	POTENTIAL FOR DIST in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL ENDATION	TURBANCE: SAMPLE# %A 03 1 04 2 05 1 TOTAL COSTS \$3,263
MAGE CATEGORY: BM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D. COMMENDED RESPONSE ACTION: IM Maintain/Monitor IA RESPONSE:	REASON for DAMAGE (The material is obs good condition. REMOVAL (\$2,00	CATEGORY: Served to be COST 07	POTENTIAL FOR DIST in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL ENDATION	TURBANCE: SAMPLE# \$A
MAGE CATEGORY: BM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D. COMMENDED RESPONSE ACTION: M Maintain/Monitor A RESPONSE: TION ELECTION:	REASON for DAMAGE (The material is obs good condition. REMOVAL (\$2,00	CATEGORY: Served to be COST 07	POTENTIAL FOR DIST in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL ENDATION	TURBANCE: SAMPLE# %A
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D. COMMENDED RESPONSE ACTION: M Maintain/Monitor A RESPONSE:	REASON for DAMAGE (The material is obs good condition. REMOVAL (\$2,00	CATEGORY: Served to be COST 07	POTENTIAL FOR DIST in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL ENDATION	TURBANCE: SAMPLE# %A 03 1 04 2 05 1 TOTAL COSTS \$3,263 \$3,263 ASURES: d Oam Code: OMA

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 04/24/89

Inspected By: Gary Adler

Certification #: HK80026 St: KS

State Cert #: St:

Gross Square Pt:

74,320

MATERIAL QUANTITIES	REMOVAL COST	REPLACEMENT COSTS	TOTAL COSTS
89 4 In. O. D.	\$2,500	\$1,389	\$3,889
85 6 In. O. D.	\$3,288	\$1,931	\$5,219
<u> </u>		AREA TOTAL	\$9,108
i <u></u>			· · · · · · · · · · · · · · · · · · ·
ecommended response action:	MANAGEMENT PLAN REC PRIORITY:	OMMENDATION	
eM Maintain/Monitor	3	See Part I and	
EA RESPONSE:		RESPONSE ACTION SCH	EDULE
CTION ELECTION:	<u> </u>		
Same as recommended		START DATE	COMPLETION DATE
EA COMMENTS:	Stammer	1989	Ongoing
(STEM: Dom. Hot Water	LOCATION:	TYPE OF MATERIAL: 1	Wrapped Paper Pipe Cover
	All Floors in Building		
amage category:	All Floors in Building	POTENTIAL FOR DIST	URBANCE: SAMPLE# % 03 1
amage Category:	All Floors in Building REASON for DAMAGE CATEGORY: The material is observed to	POTENTIAL FOR DIST	URBANCE: SAMPLE# % 03 1 04 1
amage Category:	All Floors in Building REASON for DAMAGE CATEGORY: The material is observed to	POTENTIAL FOR DIST	URBANCE: SAMPLE# % 03 1 04 1
AMAGE CATEGORY: CBM with Potential for Damage	All Floors in Building REASON for DAMAGE CATEGORY: The material is observed to good condition.	POTENTIAL FOR DIST	URBANCE: SAMPLE# % 03 1 04 1 05 1
AMAGE CATEGORY: TBM with Potential for Damage	All Floors in Building REASON for DAMAGE CATEGORY: The material is observed to good condition. REMOVAL COST	POTENTIAL FOR DIST	URBANCE: SAMPLE# % 03 1 04 1 05 1 TOTAL COSTS
AMAGE CATEGORY: CBM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D.	All Floors in Building REASON for DAMAGE CATEGORY: The material is observed to good condition. REMOVAL COST \$2,007	POTENTIAL FOR DIST be in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL	URBANCE: SAMPLE# \$2 03 1 04 1 05 3 TOTAL COSTS \$3,263 \$3,263
AMAGE CATEGORY: CEM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D. ECOMMENDED RESPONSE ACTION:	All Floors in Building REASON for DAMAGE CATEGORY: The material is observed to good condition. REMOVAL COST \$2,007	POTENTIAL FOR DIST be in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL DOMMENDATION	URBANCE: SAMPLE# \$2 03 1 04 1 05 3 TOTAL COSTS \$3,263 \$3,263
AMAGE CATEGORY: CBM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D.	REASON for DAMAGE CATEGORY: The material is observed to good condition. REMOVAL COST \$2,007 \$2,007	POTENTIAL FOR DIST be in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL DOMMENDATION	URBANCE: SAMPLE# %3 03 1 04 1 05 1 TOTAL COSTS \$3,263 \$3,263 \$3,263
AMAGE CATEGORY: CBM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D. ECOMMENDED RESPONSE ACTION: EN Maintain/Monitor EA RESPONSE:	REASON for DAMAGE CATEGORY: The material is observed to good condition. REMOVAL COST \$2,007 \$2,007	POTENTIAL FOR DIST be in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL COMMENDATION	URBANCE: SAMPLE# %7 03 1 04 1 05 1 TOTAL COSTS \$3,263 \$3,263 \$3,263 SURES: COMM Code: OMA
AMAGE CATEGORY: CEM with Potential for Damage MATERIAL QUANTITIES 225 Ft. 4 In. O.D. ECOMMENDED RESPONSE ACTION: EM Maintain/Monitor	REASON for DAMAGE CATEGORY: The material is observed to good condition. REMOVAL COST \$2,007 \$2,007	POTENTIAL FOR DIST be in Slight REPLACEMENT COSTS \$1,256 AREA TOTAL COMMENDATION	URBANCE: SAMPLE# %3 03 1 04 1 05 1 TOTAL COSTS \$3,263 \$3,263 \$3,263

West Linn S.D. 3JT 37-0050

CRMPUS : 006 - Williamette BUTLDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 04/24/89

Inspected By: Gary Adler
Certification #: HK80026 St: KS
State Cert #: St:

Gross Square Ft: 74,320

MATERIAL QUANTITIES	REMOVAL COST	REPLACEMENT COST	TOTAL COSTS
75 Ft. 4 In. O.	D.		
1		AREA 1	NOTAL \$0
COMMENDED RESPONSE ACTION:		AN RECOMMENDATION	IVE MEASURES:
A	o o		I and OMM Code:
A RESPONSE:	<u></u>	RESPONSE ACTI	CON SCHEDULE
TION ELECTION:	!	START DATE	COMPLETION DATE
A COMMENTS:		N/A] N/A
********	<u> </u>	**********	******
*	* * INSPECTION RESULTS U	NIFIED SAMPLING AREA NUMBER -	- 07 * * *
STEM: Dom. Cold Water	LOCATION: All Floors in Buildin		ERIAL: MJP on Wrapped Pipe Cove
STEM: Dom. Cold Water			ERIAL: MJP on Wrapped Pipe Cove
STEM: Dom. Cold Water			ERIAL: MJP on Wrapped Pipe Cove
STEM: Dom. Cold Water MAGE CATEGORY:		ġ	
	All Floors in Building REASON for DAMAGE CAT	g Egory: Potential F	or disturbance: Sample# &a 12 5
Mage Category:	All Floors in Building	g Egory: Potential F	or disturbance: sample# &a 12 5 13 5
Mage Category:	All Floors in Building REASON for DAMAGE CAT	g EGORY: POTENTIAL For wed to be in Slight	OR DISTURBANCE: SAMPLE# &A 12 5 13 5 14 6
MAGE CATEGORY: EM with Potential for Damage	REASON for DAMAGE CAT the material is obser good condition.	g EGORY: POTENTIAL For wed to be in Slight	OR DISTURBANCE: SAMPLE# &A 12 5 13 5 14 6
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES	REASON for DAMAGE CAT The material is obser good condition.	EGORY: POTENTIAL For ved to be in Slight T REPLACEMENT COS	OR DISTURBANCE: SAMPLE# % 12 5 13 5 14 6 TOTAL COSTS \$3,321
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 76 4 In. O. D.	REASON for DAMAGE CAT The material is obser good condition. REMOVAL COS \$2,135	EGORY: POTENTIAL For ved to be in Slight T REPLACEMENT COST \$1,186 AREA TO	OR DISTURBANCE: SAMPLE# & 12
MATERIAL QUANTITIES 76 4 In. O. D.	REASON for DAMAGE CAT The material is obser good condition. REMOVAL COS \$2,135	EGORY: POTENTIAL For ved to be in Slight T REPLACEMENT COST \$1,186 AREA TO PREVENT	OR DISTURBANCE: SAMPLE# %A 12 5 13 5 14 6 TS TOTAL COSTS \$3,321 TOTAL \$3,321
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 76 4 In. 0. D.	REASON for DAMAGE CAT The material is obser good condition. REMOVAL COS \$2,135	EGORY: POTENTIAL For ved to be in Slight T REPLACEMENT COST \$1,186 AREA AN RECOMMENDATION—————— PREVENT See Par	OR DISTURBANCE: SAMPLE# &A 12 5 13 5 14 6 TS TOTAL COSTS \$3,321 TOTAL \$3,321
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 76 4 In. 0. D. COMMENDED RESPONSE ACTION: EM Maintain/Monitor	REASON for DAMAGE CAT The material is obser good condition. REMOVAL COS \$2,135	EGORY: POTENTIAL For ved to be in Slight T REPLACEMENT COST \$1,186 AREA AN RECOMMENDATION—————— PREVENT See Par	OR DISTURBANCE: SAMPLE# EN 12 5 13 4 14 6 TOTAL COSTS \$3,321 TOTAL \$3,321 IVE MEASURES: t I and Oam Code: CMA

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette
BUILDING: 001 - Williamette Main Bldg
Inspection Dates: 07/19/88 to 04/24/89

Inspected By: Gary Adler Certification #: HK80026

St: KS

State Cert #: St:

Gross Square Ft:

74,320

MATERIAL QUANTITIES	REMOVAL COST	REPLACEMENT COSTS	TOTAL COSTS
17000 Square Feet		,\	
		AREA TOTAL	\$0
 	Management plan rec	COMMENDATION	
COMMENDED RESPONSE ACTION:	PRICRITY:	PREVENTIVE MEAS	
/A	U	See Part I and	OEW Code:
ea response:		RESPONSE ACTION SCH	EDULE
CTION ELECTION:		START DATE	COMPLETION DATE
EA COMMENTS:		N/A	 N/A
*****	*********	******	***********
* * *	* INSPECTION RESULTS UNIFIE	D SAMPLING AREA NUMBER - 10 *	* •
	T		
YSTEM: Surfacing Mat.	LOCATION: First Floor	TYPE OF MATERIAL: 3	Acoustical/Thermal Plast
ignificantly Damaged Friable	REASON for DAMAGE CATEGORY The material has been dama	ged by High	17 1
ignificantly Damaged Friable urfacing ACM. See floor plans	The material has been dama contact, age, and previous	ged by High	17 1 18 1
AMAGE CATEGORY: ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged areas.	The material has been dama contact, age, and previous renovations and/or repair	ged by High work and	17 1 18 1 19 1
ignificantly Damaged Friable urfacing ACM. See floor plans	The material has been dama contact, age, and previous	ged by High work and	17 1 18 1 19 1 20 1
ignificantly Damaged Friable urfacing ACM. See floor plans	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s	ged by High work and	17 1 18 1 19 1 20 1
ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged areas.	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied.	ged by High work and urface to	17 18 19 19 20 11 11 11 11 11 11 11 11 11 11 11 11 11
ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged Areas. MATERIAL QUANTITIES	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied. REMOVAL COST	ged by High work and urface to REPLACEMENT COSTS	17 1 18 1 19 1 20 1 21 1
ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged Areas. MATERIAL QUANTITIES	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied. REMOVAL COST \$85,610	ged by High work and urface to REPLACEMENT COSTS \$13,243 AREA TOTAL	17 18 19 20 21 TOTAL COSTS
ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged Areas. MATERIAL QUANTITIES	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied. REMOVAL COST \$85,610	work and urface to REPLACEMENT COSTS	17 18 19 19 20 21 1 TOTAL COSTS \$98,853
ignificantly Damaged Friable urfacing ACH. See floor plans or specific damaged areas. MATERIAL QUANTITIES 4960 Square Feet ECOMMENDED RESPONSE ACTION:	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied. REMOVAL COST \$85,610	ged by High work and urface to REPLACEMENT COSTS \$13,243 AREA TOTAL COMMENDATION	17 18 19 20 21 TOTAL COSTS \$98,853
ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged Areas. MATERIAL QUANTITIES 4960 Square Feet ECOMMENDED RESPONSE ACTION: ross Removal	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied. REMOVAL COST \$85,610 MANAGEMENT PLAN REPRICRITY:	ged by High work and urface to REPLACEMENT COSTS \$13,243 AREA TOTAL COMMENDATION	17 18 19 19 19 19 19 19 19 19 19 19 19 19 19
ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged Areas. MATERIAL QUANTITIES 4960 Square Feet ECOMMENDED RESPONSE ACTION: ross Removal EA RESPONSE:	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied. REMOVAL COST \$85,610 MANAGEMENT PLAN REPRICRITY:	ged by High work and urface to REPLACEMENT COSTS \$13,243 AREA TOTAL COMMENDATION	17 18 19 20 21 TOTAL COSTS \$98,853 \$98,853 \$98,853
ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged areas. MATERIAL QUANTITIES 4960 Square Feet	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied. REMOVAL COST \$85,610 MANAGEMENT PLAN REPRICRITY:	ged by High work and urface to REPLACEMENT COSTS \$13,243 AREA TOTAL COMMENDATION	17 18 19 19 19 19 19 19 19 19 19 19 19 19 19
ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged areas. MATERIAL QUANTITIES 4960 Square Feet ECOMMENDED RESPONSE ACTION: ross Removal EA RESPONSE: CTION ELECTION:	The material has been dama contact, age, and previous renovations and/or repair is delaminating from the s which it was applied. REMOVAL COST \$85,610 MANAGEMENT PLAN RE PRIORITY: 1	ged by High work and urface to REPLACEMENT COSTS \$13,243 AREA TOTAL COMMENDATION	17 1 18 1 19 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 04/24/89 Inspected By: Gary Adler

Certification #: HK80026 St: KS st:

State Cert #: Gross Square Ft:

MATERIAL QUANTITIES	REMOVAL C	OST R	EPLACEMENT COSTS	TOTAL COSTS
3300 Square Feet	\$56.95	<u> </u>	\$8,811	\$65,769
į .	•		·	
-			AREA TOTAL	\$65,769
COMMENDED RESPONSE ACTION:			ION	
EM Maintain/Monitor	2	•		1 O&M Code: OMD
EA RESPONSE:			RESPONSE ACTION SCI	HEDULE
CTION ELECTION:	Į.			!
Same as recommended	j 	STAR	T DATE	COMPLETION DATE
EA COMMENTS:	į	Summer 1989		Ongoing
**********	[************	******	******	*********
	* * Inspection results	INTETED CAMPITA	2 10F1 17740F0 _ 17 1	
	INSPECTION RESOURS	ONIFIED SAMPLIES	G WEN HOUSEN - 12 -	
YSTEM: Surfacing Mat.	LOCATION: Basement		TYPE OF MATERIAL:	Acoustical/Thermal Plass
YSTEM: Surfacing Mat.			TYPE OF MATERIAL:	Acoustical/Thermal Plas
YSTEM: Surfacing Mat.			TYPE OF MATERIAL:	Acoustical/Thermal Plass
YSTEM: Surfacing Mat.			TYPE OF MATERIAL:	Acoustical/Thermal Plas
YSTEM: Surfacing Mat.			TYPE OF MATERIAL:	Acoustical/Thermal Plas
amage category:	Basement REASON for DAMAGE C		POTENTIAL FOR DIS	Turbance: Sample# %
amage Category:	Basement REASON for DAMAGE C		POTENTIAL FOR DIS	Turbance: Sample# %
amage Category:	Basement REASON for DAMAGE C		POTENTIAL FOR DIS	Turbance: Sample# % 30 31
AMAGE CATEGORY: CBM with Potential for Damage	REASON for DAMAGE Control of the material is observed condition.	served to be in	POTENTIAL FOR DIS Slight	TURBANCE: SAMPLE# % 30 31 32
amage Category:	Basement REASON for DAMAGE C	served to be in	POTENTIAL FOR DIS	Turbance: Sample# % 30 31
AMAGE CATEGORY: CBM with Potential for Damage	REASON for DAMAGE Control of the material is observed condition.	merved to be in	POTENTIAL FOR DIS Slight	TURBANCE: SAMPLE# % 30 31 32
AMAGE CATEGORY: CBM with Potential for Damage MATERIAL QUANTITIES	REASON for DAMAGE Control is obsiged condition.	merved to be in	POTENTIAL FOR DIS Slight EPLACEMENT COSTS \$1,869	TURBANCE: SAMPLE# % 30 31 32 TOTAL COSTS \$13,951
AMAGE CATEGORY: CBM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet	REASON for DAMAGE Control of the material is observed condition.	DOST F	POTENTIAL FOR DIS Slight EPLACEMENT COSTS \$1,869 AREA TOTAL	TURBANCE: SAMPLE* % 30 31 32 TOTAL COSTS \$13,951
AMAGE CATEGORY: CBM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet	REASON for DAMAGE Control of the material is obsequed condition. REMOVAL CONTROL OF S12,08	DOST F	POTENTIAL FOR DIS Slight EPLACEMENT COSTS \$1,869 AREA TOTAL	TURBANCE: SAMPLE# % 30 31 32 32
AMAGE CATEGORY: TEM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet	REASON for DAMAGE Control of the material is observed condition.	DOST F	POTENTIAL FOR DIS Slight EPLACEMENT COSTS \$1,869 AREA TOTAL TION	TURBANCE: SAMPLE# % 30 31 32 32
MATERIAL QUANTITIES 700 Square Feet ECOMMENDED RESPONSE ACTION:	REASON for DAMAGE Control of the material is obsequed condition. REMOVAL CONTROL OF THE PRIORITY PRIORITY	DOST F	POTENTIAL FOR DIS Slight EPLACEMENT COSTS \$1,869 AREA TOTAL FREVENTIVE ME See Part I an	TURBANCE: SAMPLE# % 30 31 32 TOTAL COSTS \$13,951 \$13,951 CASURES: dd O&M Code: OMD
MATERIAL QUANTITIES 700 Square Feet ECOMMENDED RESPONSE ACTION: AM RESPONSE:	REASON for DAMAGE Control of the material is obsequed condition. REMOVAL CONTROL OF THE PRIORITY PRIORITY	DOST F	POTENTIAL FOR DIS Slight EPLACEMENT COSTS \$1,869 AREA TOTAL TION	TURBANCE: SAMPLE# % 30 31 32 TOTAL COSTS \$13,951 \$13,951 CASURES: dd O&M Code: OMD
AMAGE CATEGORY: CBM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet	REASON for DAMAGE Control of the material is obsequed condition. REMOVAL CONTROL OF THE PRIORITY PRIORITY	DST F	POTENTIAL FOR DIS Slight EPLACEMENT COSTS \$1,869 AREA TOTAL FREVENTIVE ME See Part I an	TURBANCE: SAMPLE# % 30 31 32 TOTAL COSTS \$13,951 \$13,951 CASURES: dd O&M Code: OMD

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 07/14/89

Inspected By: Gary Adler
Certification #: HK80026 St: KS
State Cert #: St:
Gross Square Ft: 74,320

MATERIAL QUANTITIES	i REMOVAL CO	CD DE	PLACEMENT COSTS	TOTAL COSTS
MATERIAL QUANTITIES	, RESOVAL CO	SI KE	FINCEMENT COSES	TOTAL COSTS
3300 Square Feet	\$56,958		\$8,811	\$65,769
			AREA TOTAL	\$65,769
	Management P			
ECOMMENDED RESPONSE ACTION: M Maintain/Monitor	PRIORITY: 2		PREVENTIVE MEAS See Part I and	
EA RESPONSE:			RESPONSE ACTION SCH	EDULE
CTION ELECTION: Same as recommended	!	START	r DATE	COMPLETION DATE
omments:		Summer 1989		Ongoing
***********	_ ************************************	*********	*******	******
* *	* Inspection Results	UNIFIED SAMPLING	AREA NUMBER - 13 *	* *
101fm: Durigorna rac.	LOCATION:			Acoustical/Thermal Plaste
	Basement			
YSTEM: Surfacing Mat. AMAGE CATEGORY: CRW with Potential for Denage	Basement REASON for DANAGE CA		POTENTIAL FOR DIST	urbance: Sample# \as
	Basement REASON for DANAGE CA		POTENTIAL FOR DIST	URBANCE: SAMPLE# %AS 30 25 31 30
amage Category:	Basement REASON for DAMAGE CA The material is obse		POTENTIAL FOR DIST	urbance: Sample# \as 30 25
amage Category:	Basement REASON for DAMAGE CA The material is obse	erved to be in	POTENTIAL FOR DIST	URBANCE: SAMPLE# %AS 30 25 31 30
AMAGE CATEGORY: CEM with Potential for Damage	Basement REASON for DAMAGE CA The material is obse	rved to be in	POTENTIAL FOR DIST Slight	URBANCE: SAMPLE# %AS 30 25 31 30 32 25
AMAGE CATEGORY: CRM with Potential for Damage MATERIAL QUANTITIES	REASON for DAMAGE CA The material is obse good condition.	rved to be in	POTENTIAL FOR DIST Slight EPLACEMENT COSTS	URBANCE: SAMPLE# %AS 30 25 31 30 32 25 TOTAL COSTS
AMAGE CATEGORY: CEM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet	REASON for DAMAGE CA The material is obse good condition. REMOVAL CO \$12,082	PLAN RECOMMENDAT	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,869 AREA TOTAL	URBANCE: SAMPLE# %AS 30 25 31 30 32 25 TOTAL COSTS \$13,951
MAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet	REASON for DAMAGE CA The material is obse good condition. REMOVAL CO	PLAN RECOMMENDAT	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,869 AREA TOTAL	URBANCE: SAMPLE# %AS 30 25 31 30 32 25 TOTAL COSTS \$13,951
AMAGE CATEGORY: EM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet ECOMMENDED RESPONSE ACTION: EM Maintain/Monitor EA RESPONSE:	REASON for DAMAGE CA The material is obse good condition. REMOVAL CO \$12,082	PLAN RECOMMENDAT	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,869 AREA TOTAL	URBANCE: SAMPLE# %AS 30 25 31 30 32 25 TOTAL COSTS \$13,951 \$13,951 SURES: 1 OLM Code: OMD
AMAGE CATEGORY: CRM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet ECOMMENDED RESPONSE ACTION: AM Maintain/Monitor EA RESPONSE:	REASON for DAMAGE CA The material is obse good condition. REMOVAL CO \$12,082	ST RI	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,869 AREA TOTAL ION	URBANCE: SAMPLE# %AS 30 25 31 30 32 25 TOTAL COSTS \$13,951 \$13,951 SURES: 1 OLM Code: OMD
AMAGE CATEGORY: CBM with Potential for Damage MATERIAL QUANTITIES 700 Square Feet ECOMMENDED RESPONSE ACTION: AM Maintain/Monitor EA RESPONSE: CTION ELECTION:	REASON for DAMAGE CA The material is obse good condition. REMOVAL CO \$12,082 MANAGEMENT : PRIORITY: 2	ST RI	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,869 AREA TOTAL ION	URBANCE: SAMPLE# %AS 30 25 31 30 32 25 TOTAL COSTS \$13,951 \$13,951 SURES: 1 OWN Code: OMD

West Linn S.D. 3JT 37-0050

CAMPUS: 006 - Williamette BUTLDING: 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 04/24/89

Inspected By: Gary Adler

Certification #: HK80026 st: KS

State Cert #: Gross Square Ft:

st: 74,320

MATERIAL QUANTITIES	REMOVAL COST	REPLACEMENT COSTS	TOTAL COSTS
200 Square Feet	1		
		AREA TOTAL	\$0
	management plan re	•	
COMMENDED RESPONSE ACTION:	PRIORITY:	PREVENTIVE MEA See Part I and	
RESPONSE:	. 	RESPONSE ACTION SCH	EDULE
rion election:		START DATE	COMPLETION DATE
A COMMENTS:	į	N/A	N/A
*******	*******	*************	*************
*	* * INSPECTION RESULTS UNIFIE	D SAMPLING AREA NUMBER - 99 *	* *
TEM: Floor Matl.	LOCATION: All Floors in Building	TYPE OF MATERIAL:	Vinyl Floor Tile
iage category:	All Floors in Building REASON for DAMAGE CATEGORY	: POTENTIAL FOR DIST	
iage category:	All Floors in Building REASON for DAMAGE CATEGORY The material is observed to	: POTENTIAL FOR DIST	urbance: sample# 1
MAGE CATEGORY: M with Potential for Damage	REASON for DAMAGE CATEGORY The material is observed to	: POTENTIAL FOR DIST o be in Slight	urbance: sample# % 51
MATERIAL QUANTITIES	REASON for DAMAGE CATEGORY The material is observed to good condition. REMOVAL COST	: POTENTIAL FOR DIST o be in Slight REPLACEMENT COSTS	URBANCE: SAMPLE# 7 51 TOTAL COSTS
MATERIAL QUANTITIES 45000 Square Feet	REASON for DAMAGE CATEGORY The material is observed to good condition. REMOVAL COST	POTENTIAL FOR DIST to be in Slight REPLACEMENT COSTS \$115,200 AREA TOTAL COMMENDATION	TOTAL COSTS \$266,850 \$266,850
45000 Square Feet A Square Feet A RESPONSE:	REASON for DAMAGE CATEGORY The material is observed to good condition. REMOVAL COST \$151,650 MANAGEMENT PLAN REFRIORITY:	POTENTIAL FOR DIST to be in Slight REPLACEMENT COSTS \$115,200 AREA TOTAL COMMENDATION	TOTAL COSTS \$266,850 \$266,850 \$266,850 SURES: 1 OLM Code: OMI, OMZ
MATERIAL QUANTITIES 45000 Square Feet COMMENDED RESPONSE ACTION:	REASON for DAMAGE CATEGORY The material is observed to good condition. REMOVAL COST \$151,650 MANAGEMENT PLAN REFRIORITY:	POTENTIAL FOR DIST o be in Slight REPLACEMENT COSTS \$115,200 AREA TOTAL COMMENDATION PREVENTIVE MED See Part I and	TOTAL COSTS \$266,850 \$266,850 \$266,850 SURES: 1 OLM Code: OMI, OMZ

West Linn S.D. 3JT 37-0050

CAMPUS : 006. - Williamette

BUILDING: 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 07/14/89

Inspected By: Gary Adler
Certification #: HK80026 St: KS
State Cert #: St:

Gross Square Ft:

74,320

				
MATERIAL QUANTITIES	REMOVAL C	OST REPLACEM	ENT COSTS	TOTAL COSTS
200 Square Feet		·······	 1	
			AREA TOTAL	\$0
	MANAGEMENT			
RECOMMENDED RESPONSE ACTION: N/A	PRIORITY 0		PREVENTIVE MEA See Part I and	
LEA RESPONSE:		RESPO	NSE ACTION SCH	EDULE
ACTION ELECTION:		START DATE		COMPLETION DATE
COMMENTS:		N/A		N/A
*********	; ************************************	****	*****	**********
•	* * Inspection results	UNIFIED SAMPLING AREA	NUMBER ~ 75 *	* *
SYSTEM: Surfacing Mat.	LOCATION: All Floors in Build		OF MATERIAL:	Hardwall/Ceiling Plaster
DAMAGE CATEGORY: N/A	REASON for DAMAGE C	:ATEGORY: POTE	ENTIAL FOR DIST	20 0 21 0
				22 0 23 0
				24 0
MATERIAL QUANTITIES	REMOVAL	OST REPLACEM	CENT COSTS	TOTAL COSTS
5000 Square Feet	\\\ :			
<u>.</u>			AREA TOTAL	\$0
	Management			
RECOMMENDED RESPONSE ACTION: N/A	PRIORITY O	;	PREVENTIVE MES	
·	•		•	
LEA RESPONSE: ACTION ELECTION:	!	RESPO	onse action sc	COMPLETION DATE
COMMENTS:		N/A		N/A
***********	 ###################################	*********	*****	********

02/16/90

AHERA COMPLIANCE PROGRAM *** BOILER ROOM SUMMARY *** West Linn S.D. 3JT

37-0050

Inspected By: Gary Adler

State Cert #:

Certification #: HK80026

st: Ks

BUILDING : 001 - Williamette Main Bldg

BOILER RM: 1

BOILER

DAMAGE CATEGORY:

ACBM with Potential for Damage

CAMPUS : 006 - Williamette

REASON for DAMAGE CATEGORY: The material is observed to be in

good condition.

POTENTIAL FOR DISTURBANCE: Slight

SMP	RASB* SYSTEM ID	LOCATION	MATERIAL DESCRIPTION	MATERIAL QUANTITY
85	75% Mech. Insul.	SOUTH EAST CORNER	Boiler/Tank Insulation	350 Square Feet
86	80% Mech. Insul.	SOUTH EAST CORNER	Boiler/Tank Insulation	-
87	80% Mech. Insul.	SOUTH EAST CORNER	Boiler/Tank Insulation	
i		•		

- MANAGEMENT PLAN RECOMMENDATION-

Summer 1989

RECOMMENDED RESPONSE ACTION: OLM Maintain/Monitor

PRIORITY: 3

PREVENTIVE MEASURES:

See Part I and OaM Code: OMB

LEA RESPONSE:

ACTION ELECTION:

Same as recommended

COMMENT:

RESPONSE ACTION SCHEDULE _

START DATE

COMPLETION DATE

JOINTS

DAMAGE CATEGORY: ACBM with Potential for Damage REASON for DAMAGE CATEGORY: The material is observed to be in

good condition.

POTENTIAL FOR DISTURBANCE: Slight

5.	MP %AS	B* SYSTEM ID	LOCATION	MATERIAL DESCRIPTION	MATERIAL QUANTITY
١					
į 9	2 70	% Low Pr. Steam	WEST SIDE OF TANK	MJP on Pipe Covering	30 6 In. O. D.
19	2 70	% Low Pr. Steam	west side of tank	MJP on Pipe Covering	8 14 In. O.D.
9	4 70	% Dom. Hot Water	NW CORNER OVER STAIRS	MJP on Wrapped Pipe Cover	45 4 In. O. D.

AHERA COMPLIANCE PROGRAM *** BOILER ROOM SUMMARY *** West Linn S.D. 3JT

West Linn S.D. 3J 37-0050

CAMPUS : 006 - Williamette

ACBM with Potential for Damage

BUTLDING : 001 - Williamette Main Bldg

BOILER RM: 1

Inspected By: Gary Adler

Certification #: HK80026 St: KS

State Cert #:

St:

Slight

65% Dom. Cold Water DHW TANK	S SIDE MJP on W	rapped Pipe Cover	35 4 In. O. D.
RECOMMENDED RESPONSE ACTION: O&M Maintain/Monitor	MANAGEMENT PLAN RECOMMENDA PRIORITY: 3	PREVENTIVE MEAS	
LEA RESPONSE: ACTION ELECTION: Same as recommended	ST	RESPONSE ACTION SCHE	COMPLETION DATE
LEA COMMENT:	Summer 1989	i	Ongoing
PIPING	************************	i 4 <u>2 4 4 4 7 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8</u>	***********
DAMAGE CATEGORY:	REASON for DAMAGE CATE	GORY: P	OTENTIAL FOR DISTURBANC

The material is observed to be in

good condition.

ASB*	SYSTEM ID	LOCATION	MATERIAL DESCRIPTION	MATERIAL QUANTITY
60% Lov	Pr. Steam	WEST SIDE OF TANK	Pipe Covering	250 Ft. 6 In. O.D.
60% Low	Pr. Steam	WEST SIDE OF TANK	Pipe Covering	35 Ft. 14 In. O.D
4% Don	. Hot Water	NW CORNER OVER STAIRS	Wrapped Paper Pipe Cover	200 Ft. 4 In. O.D.
22% Don	. Cold Water	DHW TANK SW CORNER	Wrapped Paper Pipe Cover	200 Ft. 4 In. O.D.

RECOMMENDED RESPONSE ACTION:

PRIORITY:
PREVENTIVE MEASURES:
See Part I and Oam Code: OMA

LEA RESPONSE:
ACTION ELECTION:
Same as recommended

START DATE

Completion Date

LEA COMMENT:
Summer 1989

Ongoing

West Linn S.D. 3JT 37--0050

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CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 04/24/89

Inspected By: Gary Adler Certification #: HK80026

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St: KS st:

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State Cert #: Gross Square Pt:

74,320

* *	* INSPECTION RESULTS	UNIFIED SAMPLING	AREA NUMBER - 02 *	* *
YSTEM: Low Pr. Steam	LOCATION: All Floors in Build	ling	TYPE OF MATERIAL:	Wrapped Paper Pipe Cover
				* ** THE AT I ANNUAL
AMAGE CATEGORY: CBM with Potential for Damage	REASON for DAMAGE (The material is obs good condition.		POTENTIAL FOR DIST Slight	URBANCE: SAMPLE LAS: 97 35 98 5 99 50
MATERIAL QUANTITIES	REMOVAL C	OST RE	PLACEMENT COSTS	TOTAL COSTS
275 Pt. 4 In. O.D. 456 Pt. 6 In. O.D.	\$2,453 \$5,919		\$1,535 \$3,698	\$3,988 \$9,617
1			AREA TOTAL	\$13,605
ECOMENDED RESPONSE ACTION:	— — — — MANAGEMENT PRIORITY 3	•	PREVENTIVE MES See Part I and	l OEM Code: OMA
EA RESPONSE: CTION ELECTION: Same as recommended		START	RESPONSE ACTION SCI	COMPLETION DATE
LEA COMMENTS:		Summer 1989		Ongoing
******************	*******	 	************	*********
* *	* INSPECTION RESULT:	S UNIFIED SAMPLING	AREA NUMBER - 03 *	* *
YSTEM: Low Pr. Steam	LOCATION: All Floors in Build	ding	TYPE OF MATERIAL:	MJP on Wrapped Pipe Cover

West Linn S.D. 3JT 37-0050

ACBM with Potential for Damage

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 04/24/89 Inspected By: Gary Adler

Certification #: HK80026

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St: KS St:

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State Cert #: Gross Square Ft:

74,320

			* *		
LOCATION: All Floors in Build	ing	TYPE OF MATERIAL:	Wrapped Paper	Pipe Co	ver
			the region of the second		
The material is obs			TURBANCE: S	97	k AS
3				99	50
REMOVAL C	OST RE	PLACEMENT COSTS	TOTAL, C	OSTS	
		\$1,535 \$3,698		\$1,968 \$9,617	
		AREA TOTAL	\$13,6	05	
			ASURES:		
3		See Part I and	i OaM Code: OMA		
		RESPONSE ACTION SCI	EDULE		
!			!		
	START	DATE	COMPLETIC	N DATE	
	Summer 1989		Ongoing		
*****	**********	**************	*******	*****	****
* INSPECTION RESULTS	UNIFIED SAMPLING	AREA NUMBER - 03 *	* *		
LOCATION: All Floors in Build	ling	TYPE OF MATERIAL:	MJP on Wrapped	l Pipe (Cove
	REASON for DAMAGE Commence of the material is observed to	REASON for DAMAGE CATEGORY: The material is observed to be in good condition. REMOVAL COST RESULTS UNIFIED SAMPLING * INSPECTION RESULTS UNIFIED SAMPLING	REASON for DAMAGE CATEGORY: POTENTIAL FOR DIST The material is observed to be in Slight good condition. REMOVAL COST REPLACEMENT COSTS \$2,453 \$1,535 \$5,919 \$3,698 AREA TOTAL	REASON for DAMAGE CATEGORY: POTENTIAL FOR DISTURBANCE: S The material is observed to be in Slight good condition. REMOVAL COST REPLACEMENT COSTS TOTAL C \$2,453 \$1,535 \$3,698 \$9,6 \$5,919 \$3,698 \$9,6 AREA TOTAL \$13,6	REASON for DAMAGE CATEGORY: POTENTIAL FOR DISTURBANCE: SAMPLES The material is observed to be in Slight 97 good condition. 98 99 REMOVAL COST REPLACEMENT COSTS TOTAL COSTS \$2,453 \$1,535 \$3,988 \$5,919 \$3,698 \$9,617 AREA TOTAL \$13,605

Slight

The material is observed to be in

good condition.

N/A

AHERA COMPLIANCE PROGRAM

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette

BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 07/14/89 Inspected By: Gary Adler

Certification #: HK80026 St: KS

State Cert #: Gross Square Ft:

74,320

St:

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* * * INSPECTION RESULTS UNIFIED SAMPLING AREA NUMBER - 05 * * * SYSTEM: Dom. Hot Water LOCATION: TYPE OF MATERIAL: MJP on Wrapped Pipe Cover All Floors in Building DAMAGE CATEGORY: REASON for DAMAGE CATEGORY: POTENTIAL FOR DISTURBANCE: SAMPLE# **%ASB** ACEM with Potential for Damage The material is observed to be in Slight 06 65 good condition. 07 60 08 60 MATERIAL QUANTITIES REMOVAL COST REPLACEMENT COSTS TOTAL COSTS 120 4 In. O. D. \$3,371 \$1,873 \$5,244 AREA TOTAL RECOMMENDED RESPONSE ACTION: PRIORITY: PREVENTIVE MEASURES: O&M Maintain/Monitor See Part I and OaM Code: OMA LEA RESPONSE: RESPONSE ACTION SCHEDULE ACTION ELECTION: Same as recommended START DATE COMPLETION DATE COMMENTS: Summer 1989 Ongoing * * * INSPECTION RESULTS UNIFIED SAMPLING AREA NUMBER - 06 * * * SYSTEM: Dom. Cold Water LOCATION: TYPE OF MATERIAL: Wrapped Paper Pipe Cover All Floors in Building DAMAGE CATEGORY: REASON for DAMAGE CATEGORY: POTENTIAL FOR DISTURBANCE: SAMPLE# **\$ASB**

N/A

N/A

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 07/14/89

Inspected By: Gary Adler
Certification #: HK80026 St: KS
State Cert #: St:

Gross Square Ft:

74,320

MATERIAL QUANTITIES) REMOVAL (OST RE	PLACEMENT COSTS	TOTAL COSTS
75 Ft. 4 In. O.D	·	I	·	
			AREA TOTAL	\$0
· 				
OMMENDED RESPONSE ACTION:	PRIORITE 0	()	PREVENTIVE MEA See Part I and	
RESPONSE:			RESPONSE ACTION SCH	IEDULE
ion election:		STAR:	DATE	COMPLETION DATE
MENTS:		N/A		N/A
*****	*******	 ***********	*********	<u> </u>
				
* *	* Inspection result:	3 UNIFIED SAMPLING	AREA NUMBER - 07 *	* *
TEM: Dom. Cold Water	LOCATION:		TYPE OF MATERIAL.	MJP on Wrapped Pine Co
TEM: Dom. Cold Water	LOCATION: All Floors in Build	ling	TYPE OF MATERIAL:	MJP on Wrapped Pipe Co
	-	•	TYPE OF MATERIAL: POTENTIAL FOR DIST	
TEM: Dom. Cold Water AGE CATEGORY: M with Potential for Damage	All Floors in Build REASON for DAMAGE of The material is obt	Category:	POTENTIAL FOR DIST	Turbance: Sample# 12
age category:	All Floors in Build	Category:	POTENTIAL FOR DIST	furbance: Sample#
AGE CATEGORY:	All Floors in Build REASON for DAMAGE of The material is obt	TATEGORY: served to be in	POTENTIAL FOR DIST	Turbance: Sample# 12 13
AGE CATEGORY: M with Potential for Damage	REASON for DAMAGE of The material is obtated to condition.	CATEGORY: Served to be in	POTENTIAL FOR DIST Slight	FURBANCE: SAMPLE# 12 13 14
AGE CATEGORY: M with Potential for Damage MATERIAL QUANTITIES	REASON for DAMAGE of The material is obtained condition.	CATEGORY: Served to be in	POTENTIAL FOR DIST Slight EPLACEMENT COSTS	FURBANCE: SAMPLE# 12 13 14 TOTAL COSTS
AGE CATEGORY: M with Potential for Damage MATERIAL QUANTITIES	REASON for DAMAGE of The material is obtained condition.	CATEGORY: Served to be in COST RI	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,186 AREA TOTAL	TURBANCE: SAMPLE# 12 13 14 TOTAL COSTS \$3,321
MATERIAL QUANTITIES 76 4 In. O. D. OMMENDED RESPONSE ACTION:	REASON for DAMAGE The material is obtained condition. REMOVAL CONTROL OF THE PRIORITY PRIORITY PRIORITY	CATEGORY: Served to be in COST RI FLAN RECOMMENDAT	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,186 AREA TOTAL	TURBANCE: SAMPLE# 12 13 14 TOTAL COSTS \$3,321 \$3,321
AGE CATEGORY: M with Potential for Damage MATERIAL QUANTITIES 76 4 In. O. D. OMMENDED RESPONSE ACTION: Maintain/Monitor	REASON for DAMAGE The material is obgood condition.	CATEGORY: Served to be in COST RI FLAN RECOMMENDAT	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,186 AREA TOTAL PREVENTIVE MEJ See Part I and	FURBANCE: SAMPLE# 12 13 14 TOTAL COSTS \$3,321 \$3,321 ASURES: d OLM Code: OMA
MATERIAL QUANTITIES MATERIAL QUANTITIES 76 4 In. O. D. OMMENDED RESPONSE ACTION: Maintain/Monitor RESPONSE:	REASON for DAMAGE The material is obtained condition. REMOVAL CONTROL OF THE PRIORITY PRIORITY PRIORITY	CATEGORY: Served to be in COST RI FLAN RECOMMENDAT	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,186 AREA TOTAL	FURBANCE: SAMPLE# 12 13 14 TOTAL COSTS \$3,321 \$3,321 ASURES: d OLM Code: OMA
AGE CATEGORY: M with Potential for Damage MATERIAL QUANTITIES 76 4 In. O. D.	REASON for DAMAGE The material is obtained condition. REMOVAL CONTROL OF THE PRIORITY PRIORITY PRIORITY	CATEGORY: served to be in COST RI FIAN RECOMMENDAT Y:	POTENTIAL FOR DIST Slight EPLACEMENT COSTS \$1,186 AREA TOTAL PREVENTIVE MEJ See Part I and	FURBANCE: SAMPLE# 12 13 14 TOTAL COSTS \$3,321 \$3,321 ASURES: d OLM Code: OMA

DAMAGE CATEGORY:

N/A

AHERA COMPLIANCE PROGRAM

West Linn S.D. 3JT 37-0050

Inspected By: Gary Adler Certification #: HK80026 CAMPUS : 006 - Williamette St: KS BUILDING : 001 - Williamette Main Bldg State Cert #: St: Inspection Dates: 07/19/88 to 07/14/89 Gross Square Ft: 74,320 * * * INSPECTION RESULTS UNIFIED SAMPLING AREA NUMBER - 08 * * * TYPE OF MATERIAL: Acoustical Tile (1x1) LOCATION: SYSTEM: Ceiling Matl. Basement DAMAGE CATEGORY: REASON for DAMAGE CATEGORY: POTENTIAL FOR DISTURBANCE: SAMPLE# %ASB N/A 15 MATERIAL QUANTITIES REPLACEMENT COSTS REMOVAL COST TOTAL COSTS 6000 Square Feet AREA TOTAL SO RECOMMENDED RESPONSE ACTION: PRIORITY: PREVENTIVE MEASURES: N/A See Part I and OaM Code: LEA RESPONSE: RESPONSE ACTION SCHEDULE ACTION ELECTION: START DATE COMPLETION DATE COMMENTS: N/A N/A * * * Inspection results unified sampling area number - 09 * * * LOCATION: TYPE OF MATERIAL: Drop or Lay-in Panel SYSTEM: Ceiling Matl. All Floors in Building

REASON for DAMAGE CATEGORY:

N/A

POTENTIAL FOR DISTURBANCE:

N/A

SAMPLE# %ASB

0

16

AHERA COMPLIANCE PROGRAM

West Linn S.D. 3JT

CAMPUS : 006 - Williamette

37-0050

Inspected By: Gary Adler

Certification #: HK80026 St: KS
State Cert #: St:
Gross Square Ft: 74,320

AMPUS : 006 - Williamette JILDING : 001 - Williamette Mai hapection Dates: 07/19/88 to 07			State C	ion #: HK80026 ert #: ere Ft: 74	5 St: K St: .320	
MATERIAL QUANTITIES	REMOVAL CO	ST REI	PLACEMENT COSTS	TOTAL	COSTS	
17000 Square Feet				.1		
			AREA TOTAL		\$0	
ecommended response action: /A	PRIORITY: 0		PREVENTIVE ME See Part I am			
EA RESPONSE:	_		RESPONSE ACTION SO	HEDULE		
CTION ELECTION:	[START	DATE	COMPLET	ON DATE	
OMMENTS:	1	N/A		N/2		
************	* INSPECTION RESULTS		AREA NUMBER - 10 '			
romphs Curdoning Mat	TOCATTON.			2-4		
STEM: Surfacing Mat.	LOCATION: First Floor		Type of Material:	: Acoustical/T	nermal Pi	a st
AMAGE CATEGORY: ignificantly Damaged Friable	First Floor REASON for DAMAGE CA The material has bee	n damaged by	POTENTIAL FOR DIS	·	SAMPLE#	%A:
AMAGE CATEGORY: ignificantly Damaged Friable urfacing ACM. See floor plans	REASON for DAMAGE CA The material has bee contact, age, and pr	n damaged by evious	POTENTIAL FOR DIS	·	5AMPLE# 17 18	%A\$ 15 10
MAGE CATEGORY: ignificantly Damaged Friable orfacing ACM. See floor plans	REASON for DAMAGE CA The material has bee contact, age, and pr renovations and/or r is delaminating from	n damaged by evious epair work and the surface to	POTENTIAL FOR DIS	·	5AMPLE# 17 18 19 20	%A5 1! 10 1!
MAGE CATEGORY: qnificantly Damaged Friable arfacing ACM. See floor plans	REASON for DAMAGE CA The material has bee contact, age, and pr	n damaged by evious epair work and the surface to	POTENTIAL FOR DIS	·	5AMPLE# 17 18 19	%A5 1! 10 1!
MAGE CATEGORY: qnificantly Damaged Friable arfacing ACM. See floor plans	REASON for DAMAGE CA The material has bee contact, age, and pr renovations and/or r is delaminating from	n damaged by evious epair work and the surface to l.	POTENTIAL FOR DIS	Sturbance :	5AMPLE# 17 18 19 20	%A5 1! 10 1!
AMAGE CATEGORY: ignificantly Damaged Friable arfacing ACM. See floor plans or specific damaged areas.	REASON for DAMAGE CA The material has bee contact, age, and pr renovations and/or r is delaminating from which it was applied	n damaged by evious epair work and the surface to . ST RE	POTENTIAL FOR DIS High	Total	5AMPLE# 17 18 19 20 21	%A5 1! 10 1!
AMAGE CATEGORY: ignificantly Damaged Friable irfacing ACM. See floor plans or specific damaged areas. MATERIAL QUANTITIES	REASON for DAMAGE CA The material has bee contact, age, and pr renovations and/or r is delaminating from which it was applied	n damaged by evious epair work and the surface to . ST RE	POTENTIAL FOR DIS High PLACEMENT COSTS	TOTAL	SAMPLE# 17 18 19 20 21	%A: 1! 1(1! 1(
AMAGE CATEGORY: ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged areas. MATERIAL QUANTITIES 4960 Square Feet	REASON for DAMAGE CAThe material has bee contact, age, and prenovations and/or ris delaminating from which it was applied REMOVAL CO	n damaged by evious epair work and the surface to . ST RE	POTENTIAL FOR DISHIGH PLACEMENT COSTS \$13,243 AREA TOTAL	TOTAL \$98	5AMPLE# 17 18 19 20 21 COSTS	%A: 1! 1(1! 1(
AMAGE CATEGORY: ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged areas. MATERIAL QUANTITIES 4960 Square Feet	REASON for DAMAGE CAThe material has bee contact, age, and prenovations and/or ris delaminating from which it was applied REMOVAL CO	n damaged by evious epair work and the surface to . ST RE	POTENTIAL FOR DISHIGH High PLACEMENT COSTS \$13,243 AREA TOTAL ON	TOTAL \$98	\$AMPLE# 17 18 19 20 21 COSTS ,853	%A5 1! 10 1!
AMAGE CATEGORY: ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged areas. MATERIAL QUANTITIES 4960 Square Feet ECOMMENDED RESPONSE ACTION: ross Removal	REASON for DAMAGE CA The material has bee contact, age, and pr renovations and/or r is delaminating from which it was applied REMOVAL CO \$85,610	n damaged by evious epair work and the surface to . ST RE	POTENTIAL FOR DISHIGH High PLACEMENT COSTS \$13,243 AREA TOTAL ON	TOTAL \$98 \$98 EASURES: and O&M Code: O	\$AMPLE# 17 18 19 20 21 COSTS ,853	%A5 1! 10 1!
AMAGE CATEGORY: ignificantly Damaged Friable urfacing ACM. See floor plans or specific damaged areas. MATERIAL QUANTITIES 4960 Square Feet ECOMMENDED RESPONSE ACTION: ross Removal EA RESPONSE: CTION ELECTION:	REASON for DAMAGE CA The material has bee contact, age, and pr renovations and/or r is delaminating from which it was applied REMOVAL CO \$85,610	n damaged by evious epair work and the surface to . ST RE	POTENTIAL FOR DISHIGH PLACEMENT COSTS \$13,243 AREA TOTAL ON	TOTAL \$98 \$98 EASURES: nd Oam Code: O	5AMPLE# 17 18 19 20 21 COSTS ,853 ,853	*Asset 6
4960 Square Feet	REASON for DAMAGE CAThe material has bee contact, age, and prenovations and/or ris delaminating from which it was applied REMOVAL CO \$85,610	n damaged by evious epair work and the surface to . ST RE	POTENTIAL FOR DISHIGH High PLACEMENT COSTS \$13,243 AREA TOTAL ON	TOTAL \$98 \$98 EASURES: nd Oam Code: O	5AMPLE# 17 18 19 20 21 COSTS ,853 ,853	%A5 1! 10 1!

AHERA COMPLIANCE PROGRAM

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg Inspection Dates: 07/19/88 to 07/14/89

Inspected By: Gary Adler
Certification #: HK80026 St: KS
State Cert #: St:
Gross Square Ft: 74,320

20

* *	* INSPECTION RESULTS	UNIFIED SAMPLING	AREA NUMBER - 11 * *	*	
SYSTEM: Surfacing Mat.	LOCATION: First Floor		TYPE OF MATERIAL: A	coustical/Thermal	Plaster
DAMAGE CATEGORY: ACBM with Potential for Significant Damage.	REASON for DAMAGE of The material is obs good condition.		POTENTIAL FOR DISTU Slight	JRBANCE: SAMPLE 22 23 24	*AS8 10 15 15
MATERIAL QUANTITIES	REMOVAL C	OST RI	EPLACEMENT COSTS	TOTAL COSTS	i
900 Square Feet	\$15,53	· 4	\$2,403	\$17,937	
[AREA TOTAL	\$17,937	.]
RECOMMENDED RESPONSE ACTION: OLM Maintain/Monitor LEA RESPONSE:	PRIORITY 1	PLAN RECOMMENDAT	PREVENTIVE MEAN See Part I and RESPONSE ACTION SCHI	OEM Code: OMD	
ACTION ELECTION: Same as recommended		STAR	r Date	COMPLETION DAT	E
COMMENTS:		Summer 1989	Ongoing		ļ
***************************************	* INSPECTION RESULTS		G AREA NUMBER - 12 *		******
SYSTEM: Surfacing Mat.	LOCATION: Basement		TYPE OF MATERIAL:	Acoustical/Thermal	Plaster
DAMAGE CATEGORY: ACBM with Potential for Damage	REASON for DAMAGE (The material is ob- good condition.		POTENTIAL FOR DIST Slight	URBANCE: SAMPLE 25 26 27 28	# %ASE 20 20 20 15 25

AHERA COMPLIANCE PROGRAM

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette BUILDING : 001 - Williamette Main Bldg

Inspected By: Gary Adler
Certification #: HK80026 st: KS
State Cert #: St:

Inspection Dates: 07/19/88 to 0	7/14/89		Gross Squar	• Ft: 74,320
**	* INSPECTION RESULT	s unified samp	ing area number - 14 *	* *
SYSTEM: Surfacing Mat.	LOCATION: First Floor		TYPE OF MATERIAL:	Fireproofing
DAMAGE CATEGORY: ACRM with Potential for Damage	REASON for DAMAGE The material is ob good condition.		POTENTIAL FOR DIST	Turbance: Sample# %as 33 60
MATERIAL QUANTITIES	REMOVAL	COST	REPLACEMENT COSTS	TOTAL COSTS
250 Square Feet	\$3,2	25	\$758	\$3,983
			AREA TOTAL	\$3,983
RECOMMENDED RESPONSE ACTION: OEM Maintain/Monitor	management Priorit 2		Preventive mea	ASURES: i OEM Code: OMC
LEA RESPONSE:		<u> </u>	RESPONSE ACTION SCI	SEDULE
ACTION ELECTION: Same as recommended] ! s	FART DATE	COMPLETION DATE
COMMENTS:		 Summer 1989		Oudoind
***********	****	 **********	***************	******
*	* INSPECTION RESULT	S UNIFIED SAMP	LING AREA NUMBER - 15 *	* *
SYSTEM: Ceiling Matl.	LOCATION: Basement		TYPE OF MATERIAL:	Drop or Lay-in Panel
DAMAGE CATEGORY:	REASON for DAMAGE	<i>ርኔሞዩርሲ</i> ያሂ •	POTENTIAL FOR DIS	Turbance: Sample# %as
MAN CHIEGOLII	REASON FOR DAMAGE	-uradour.	POTENTIAL FOR DIS	TORDANCE: SAMPLE &AS

COMMENTS:

AHERA COMPLIANCE PROGRAM

West Linn S.D. 3JT 37-0050

CAMPUS: 006 - Williamette
BUILDING: 001 - Williamette Main Bldg
Tespection Dates: 07/19/88 to 07/14/89

Inspected By: Gary Adler
Certification #: HK80026 St: KS
State Cert #: St:
Gross Square Pt: 74.320

Ongoing

<u> </u>	07/14/89	Gross Square Pt: 74,320			
*	* * INSPECTION RESULTS UNIFIED S	AMPLING AREA NUMBER - 99 *	* *		
YSTEM: Floor Matl.	LOCATION: All Floors in Building	TYPE OF MATERIAL:	Vinyl Floor Tile		
namage Category:	REASON for DAMAGE CATEGORY:	POTENTIAL FOR DIS	Turbance: Sample: \a		
CBM with Potential for Damag	 The material is observed to i good condition. 	⇒ in Slight	51		
CBM with Potential for Damag		REPLACEMENT COSTS	51 TOTAL COSTS		
	good condition. REMOVAL COST	•	,		
MATERIAL QUANTITIES	good condition. REMOVAL COST	REPLACEMENT COSTS	TOTAL COSTS		
MATERIAL QUANTITIES 45000 Square Feet ECOMMENDED RESPONSE ACTION:	good condition. REMOVAL COST	REPLACEMENT COSTS \$115,200 AREA TOTAL MENDATION	\$266,850 \$266,850		
i	good condition. REMOVAL COST \$151,650	REPLACEMENT COSTS \$115,200 AREA TOTAL MENDATION	\$266,850 \$266,850 \$266,850 CASURES:		

Summer 1989

02/16/90

AHERA COMPLIANCE PROGRAM *** BOILER ROOM SUMMARY ***

West Linn S.D. 3JT 37-0050

CAMPUS : 006 - Williamette

ACBM with Potential for Damage

BUILDING : 001 - Williamette Main Bldg

BOILER RM: 1

Inspected By: Gary Adler

Certification #: HK80026 St: KS State Cert #:

Str

Slight

COMPLETION DATE

MJP on Wrapped Pipe Cover 96 65% Dom. Cold Water DHW TANK S SIDE 35 4 In. O. D. RECOMMENDED RESPONSE ACTION: PRIORITY: PREVENTIVE MEASURES: OWM Maintain/Monitor See Part I and OaM Code: OMA LEA RESPONSE: RESPONSE ACTION SCHEDULE ACTION ELECTION: Same as recommended START DATE COMPLETION DATE COMMENT: Summer 1989 Ongoing PIPING DAMAGE CATEGORY: REASON for DAMAGE CATEGORY: POTENTIAL FOR DISTURBANCE:

The material is observed to be in

good condition.

SMIP	AASB* SYSTEM ID	LOCATION	MATERIAL DESCRIPTION	MATERIAL QUANTITY
91	60% Low Pr. Steam	West Side of Tank	Pipe Covering	250 Ft. 6 In. O.D.
91	60% Low Pr. Steam	WEST SIDE OF TANK	Pipe Covering	35 Ft. 14 In. O.D.
93	4% Dom. Hot Water	NW CORNER OVER STAIRS	Wrapped Paper Pipe Cover	200 Ft. 4 In. O.D.
95	22% Dom. Cold Water	DHW TANK SW CORNER	Wrapped Paper Pipe Cover	200 Ft. 4 In. O.D.
) 73 	224 Dom. Cold water	DRW TANK SW CORNER	wrapped Paper Pipe Cover	200 Ft. 4 In. O.

RECOMMENDED RESPONSE ACTION: PRIORITY: OEM Maintain/Monitor 3

PREVENTIVE MEASURES:

See Part I and OaM Code: OMA

LEA RESPONSE: ACTION ELECTION: Same as recommended

RESPONSE ACTION SCHEDULE START DATE

COMMENT: Summer 1989 Ongoing

02/16/90

AHERA COMPLIANCE PROGRAM *** BOILER ROOM SUMMARY ***

West Linn S.D. 3JT 37-0050

Inspected By: Gary Adler

Certification #: HK80026

State Cert #:

st: KS st:

TANK

DAMAGE CATEGORY:

BOILER RM: 1

ACBM with Potential for Damage

CAMPUS : 006 - Williamette
BUILDING : 001 - Williamette Main Bldg

BOILER ROOM ESTIMATED COSTS

REASON for DAMAGE CATEGORY: The material is observed to be in POTENTIAL FOR DISTURBANCE: Slight

\$50,927

good condition.

\$29,451

SMP	ASB*	SYSTEM ID	LOCATION	MATERIAL DESCRIPTION	MATERIAL QUANTITY
88	75% Meci	. Insul.	DHW TANK, SOUTH SIDE	Boiler/Tank Insulation	275 Square Feet
89	75% Mech	. Insul.	DHW TANK, SOUTH SIDE	Boiler/Tank Insulation	
90	65% Mech	. Insul.	DHW TANK, SOUTH SIDE	Boiler/Tank Insulation	
'			managemen	T PLAN RECOMMENDATION	
RECOM	MENDED RES	PONSE ACTION:	PRIORI	TY: PREVENTIVE ME	Casures:
OEM Ma	mintain/Mo	nitor	3	See Part I as	nd O&M Code: OMB
	esponse:			RESPONSE ACTION SO	HEDULE
ACTIO	N ELECTION Same as 1	recommended		START DATE	COMPLETION DATE
COMME	NT:			Summer 1989	Ongoing
****	******	********	**************************************	COST REPLACEMENT COSTS	TOTAL COSTS

\$21,476

ASBESTOS LOCATION DIAGRAMS

SAMPLE / MATERIAL LOCATION DIAGRAMS

As part of the AHERA Asbestos Inspection the locations of samples collected are recorded on building diagrams. In addition to the sample locations, specific damage areas are recorded where found. The following pages provide the sample location diagrams for the School District. These drawings are organized in the same manner as the inspection/management plan data, i.e. campus one building one is first.

The title block contains the specific state, district, campus, and building or code with a 12 digit number. Next is the District Name, the Campus Name, and finally the Building Name. The next block provides the date the drawing was made, the street number, and finally the H-K drawing number.

The drawing uses several symbols and cross-hatching patterns to illustrate the key elements of the survey information.

SAMPLE LOCATION: The specific locations of samples are found on a point on the drawing leading to a symbol indicating the sample number and the Bulk Sample (BS) Code, which represents the type of material sampled. The Bulk Sample Code descriptions used are as follows:

8S CODE	DESCRIPTION	85 CODE	DESCRIPTION
0	Unknown	26	Transite Pipe
•	Acoustical Plaster	27	Transite Hood
<u> </u>			Asbestos Pada
3	Acoustical/Thermal Insul	28 20	
ş	Herdwell/Geiling Plaster	29 70	Asbestos Glove
:	Vinyl Floor Tile	30	Asbestos Rope
5	Pipe Covering	31	Raw Asbestos
6	Corrugated Pipe Covering	32	Electrical Wiring
7	Urapped Paper Pipe Cover	33	Fire Hose
8	Soiler/Tank Insulation	34	Fire Door
9	Breaching/Exhaust Packing	35	Fire Suit
10	Hoven Paper/Tape	36	Fire Brick
11	Drop or Lay-in Panel	37	Lab Counter Top
12	Acoustical Tile (1x1)	38	Fiber Frack Kiln
13	Fire or Stage Curtain	39	Tongs
14	NJP on Mon-Suspect Pipe	40	Poured in Insulation
15	MJP on Pipe Covering	41	Contaminated Soil
16	HJP on Corr. Pipe Cover	42	Tectum
17	MJP on Wrapped Pipe Cover	43	Floor Underlayment
15	Fireproofing	44	Herd Grout
19	Vibration Joint Cloth	45	Mortar
20	Interior Duct Insulation	46	Blown or Scratch Coet
21	Exterior Quet Insulation	47	* Oven/Autoclave Lining
22	Blown-in Insulation	48 .	Brake Lining
23	Stored Insulation	49	Theatre Curtain
24	Debris	50	Transite Siding
25	Gasket	99	Other

DAMAGE AREAS: When the inspector encounters a section of material in a Unified Sampling Area (USA) which contains localized damage in worse condition than the remainder of the same material contained in this USA, a Damage Area indicator is placed on the drawing. This symbol contains specific information about the damaged area.

Type of Material. The BS Code of the material is indicated so that the type of material can be determined. See the previous section for the listing of the BS codes used.

Quantity - The quantity of material which was found to be damaged is also indicated.

Location - The location of the localized damage is indicated in the symbol. This provides assistance in identifying where the damage can be found.

Response Action - This is the code for the recommended AHERA response action. The following codes are used:

- 1. Isolate Area Immediately
- 2. Gross Removal
- 3. Glove Bag Removai
- 4. Encapsulation
- 5. Enclosure
- 6. Repair and O&M
- 7. O&M and Monitor

CROSSHATCHING: Crosshatching patterns are used to detail the location of ceiling and floor material suspected of containing asbestos. There are three patterns used:

Floor Tile - This pattern is used to indicate floor tile and sheet flooring material suspected of containing asbestos.

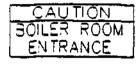
Drop / Lay-in, Accoustical - This pattern is used to indicate the locations of a variety of ceiling tiles including, but not limited, to 1' x 1' and 2' x 4' lay-in panels.

Spray / Trowel Applied Materials - This pattern is used to indicate the presence of spray and trowel applied materials such as fireproofing and acoustical plaster.

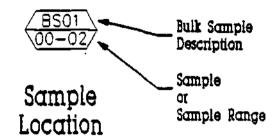
LOCATION of CAUTION LABEL: The AHERA regulations require the use of labels indicating the presence of Asbestos Containing Building Material (ACBM). The label is to be place on or near ACBM in routine maintenance areas in all school buildings. When this label is applied in the field the inspector identifies its' location on the sample location diagram. On the drawing, the label symbol contains information about its placement within the routine maintenance area so that it may be readily found by the LEA. The label states the following.

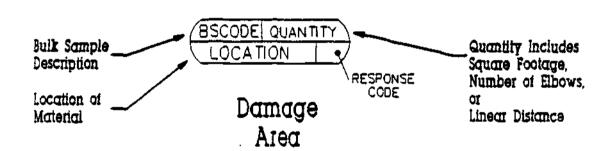
CAUTION
ASBESTOS. HAZARDOUS.
DO NOT DISTURB
WITHOUT PROPER TRAINING
AND EQUIPMENT

The presence of sample numbers, crosshatching, and damage areas does not mean that all of the areas indicated contain asbestos. These location diagrams are a record of the field inspection only and are meant to show where samples were taken and what areas may be affected if asbestos is present. To determine which areas are affected, a review of the Inspection / Management Plan Data and the Petrographic Results contained in Sections 4 and 5 should be made. If desired, the location diagrams can be highlighted by the school district's asbestos coordinator to indicate the presence of asbestos containing material.



Location of Caution Label







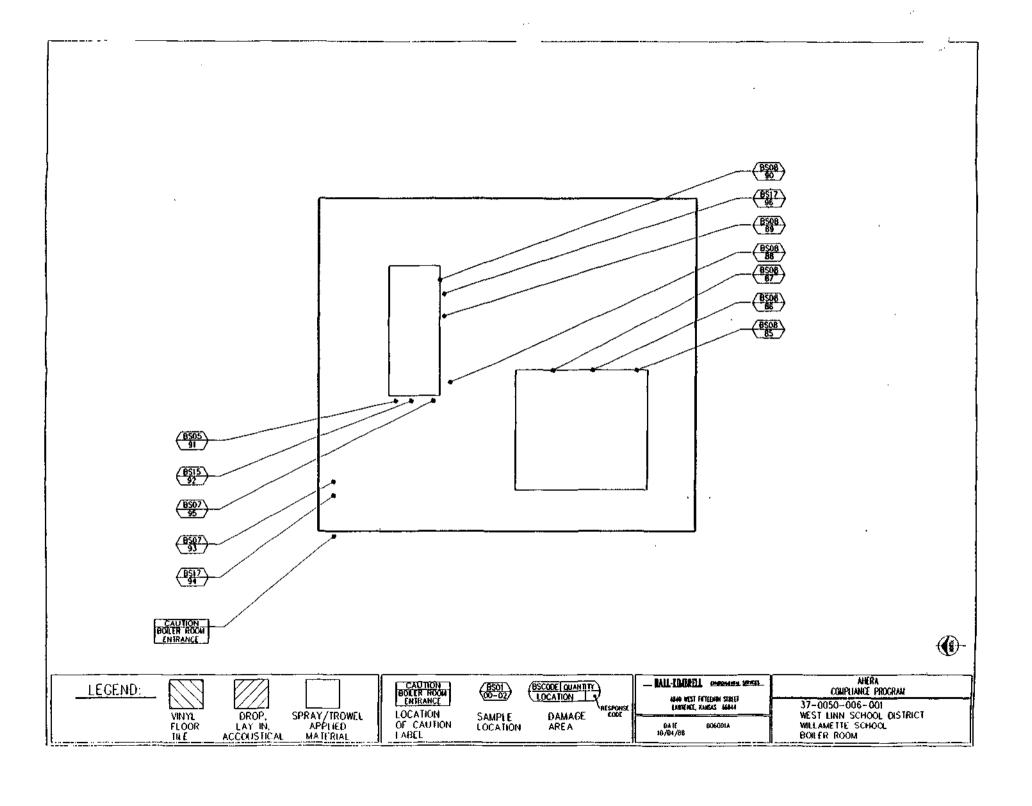
Vinyl Floor Tile

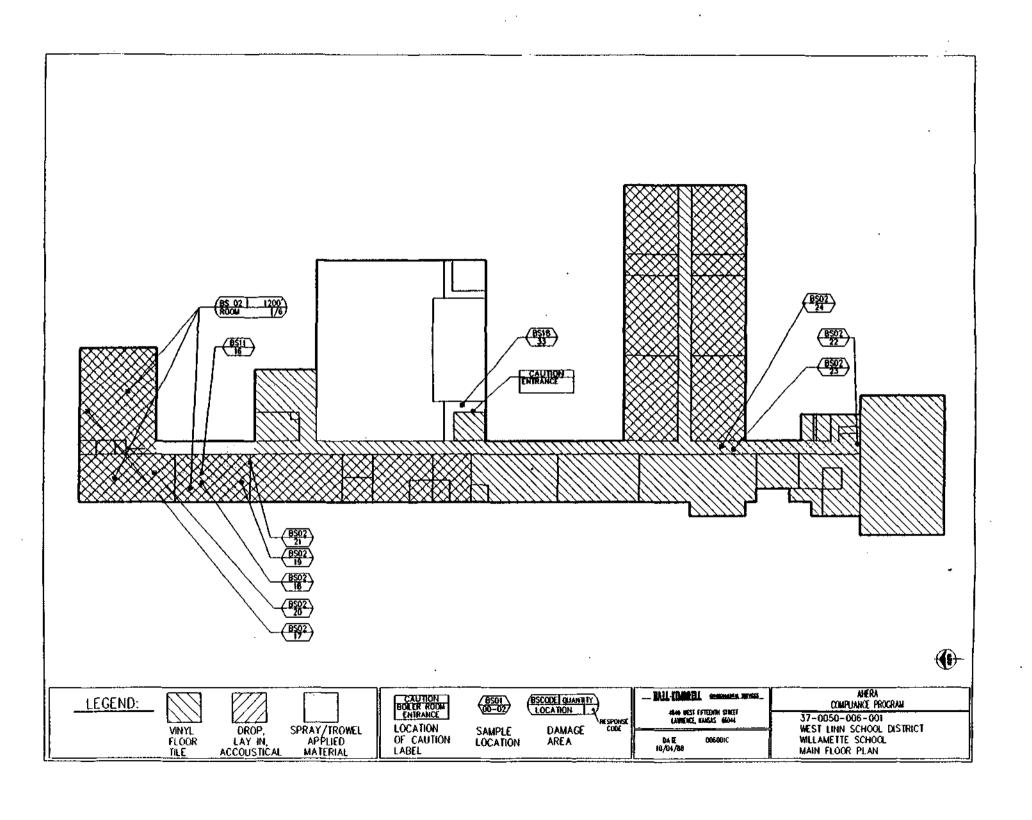


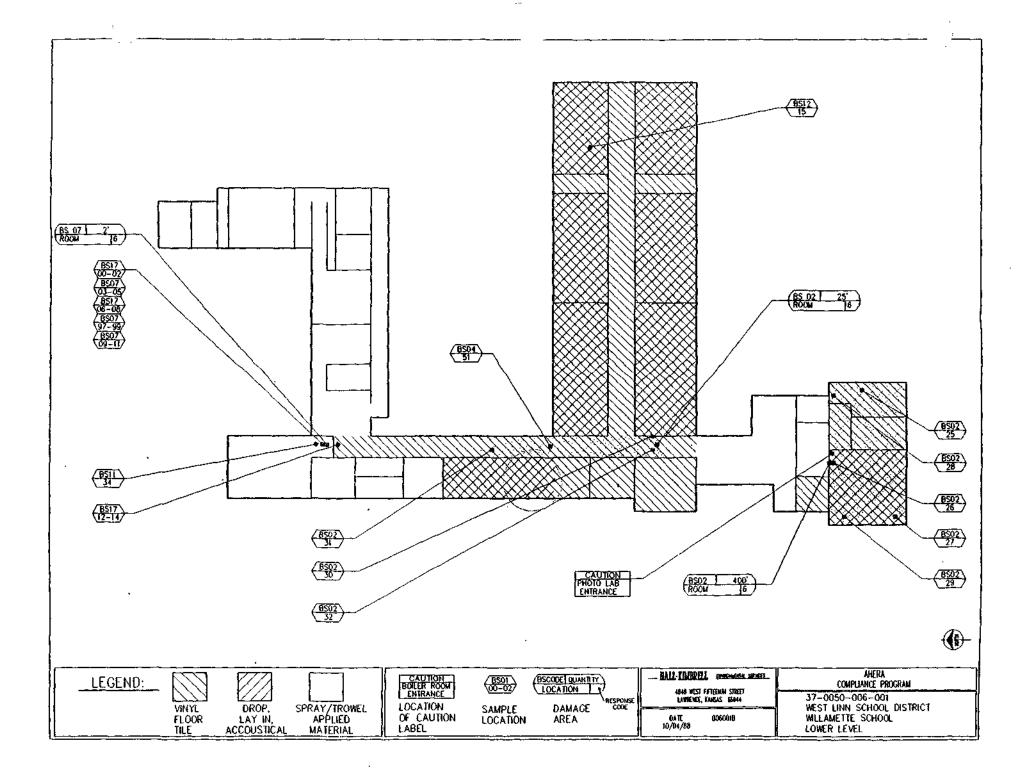
Drop, Lay In, Accoustical



Spray Applied Material







CONSULTANTS COST ESTIMATES FOR ASBESTOS REMOVAL

DISTRICT COST SUMMARY

PROJECT NUMBER: 37-0050
DISTRICT NAME: West Linn S.D. 3JT

DISTRICT NAME: West Linn S.D. 3JT	-REMOVAL COST -		
AMPUS: (001) West Linn High School			
BUILDING: (001) West Linn High Main Bldg.	\$1,000,662	\$321,450	\$1,522,112
BUILDING: (002) Shop	\$37,142	\$28,211	\$65,353
BUILDING: (003) Music Bldg.	\$33,700	\$25,600	\$59,300
BUILDING: (004) Fress Box	\$0	ŝŒ	\$0
BUILDING: (005) Garage	\$0	50	•
BUILDING: (006) Concessions	•	\$0	\$0
BOITDING: (000) CDUCASSIONS	\$0 	\$0 	\$0
CAMPUS TOTALS	\$1,071,504	\$575,261	\$1,646,765
WPUS: (002) Bolton Middle School			
BUILDING: (001) Bolton Middle School Main	\$210,024	\$155,749	\$365, <i>7</i> 73
BUILDING: (002) Play Shed	\$0	\$0	\$0
CAMPUS TOTALS	\$210,024	\$155,749	\$365,773
MPUS: (003) Cedaroak Park Drive			
BUILDING: (001) Cedaroak Park Main Bldg	\$136,022	\$94,263	\$230,285
BUILDING: (002) Cedaroak Park 4-9	\$261,423	\$66,275	\$327,698
BUILDING: (003) Cedaroak Park 1-3	\$174,282	\$44,183	\$218,465
BUILDING: (004) Cedaroak Park 12-16	\$30,209	\$22,948	\$53,157
BUILDING: (005) Cedaroak Park 17-22	\$29,872	\$22,692	\$52,564
CAMPUS TOTALS	\$631,808	\$250,361	\$882,169
AMPUS: (004) Stafford Primary School			
BUILDING: (001) Stafford Primary Main Bldg	\$141,357	\$103,448	\$244,805
BUILDING: (002) Trailer 1	\$0	ŝū	\$0
BUILDING: (003) Trailer 2	\$0	\$0	\$0
BUILDING: (004) Play Shed	\$0	šo	\$0
	•	,	,
BUILDING: (005) Maint Building	\$0	\$0	\$0
CAMPUS TOTALS	\$141,357	\$103,448	\$244.805
AMPUS: (005) Sunset Primery School			
BUILDING: (001) Sunset Primary Main Bldg	\$365,187	\$198,836	\$564,023
			4544 400
CAMPUS TOTALS	\$365,187	\$198,836	\$564,023
AMPUS: (006) Williamette			
BUILDING: (001) Williamette Main Bldg	\$376,182	\$176,628	\$552,810
CAMPUS TOTALS	\$376,182	\$176,628	\$552,810
DMPUS: (007) Wilsonville Primary School			
BUILDING: (001) Wilsonville Primary Main 8	\$16,507	\$11,747	\$28,254
BUILDING: (002) Modular #1	50	50	\$0
BUILDING: (003) Modular #2	\$337	\$256	\$593
BUILDING: (004) Maint Building		·	
	\$0	\$0 43 .34	\$0
SUILDING: (005) Library	\$10,713	\$2,138	\$12,851
CAMPUS TOTALS	\$27,557	\$14,141	\$41,698
AMPUS: (008) Inza R. Wood Middle School			
BUILDING: {001} Inza R. Wood Main Bldg	\$71,393	\$54,220	\$125,613
BUILDING: (002) Maint Building	\$0	\$0	\$0
CAMPUS TOTALS	\$71,393	\$54,220	\$125,613
CAMPIE: (800) Administrații m. 1931 - a		•	
CAMPUS: (009) Administration Building BUILDING: (001) Administratiion Building	\$2,962	\$2,274	\$5,236
and the second second section and the second sections and the second sections and the second sections and the second sections and the second s	44,204	. 74,417	4-,200

NOTE: Please see the 'Cost Estimates' section of Part I for a full explanation of the cost estimates presented here

PAGE 4A - 1

DISTRICT COST SUMMARY

PROJECT NUMBER: 37-0050

DISTRICT NAME: West Linn S.D. 3JT

		REMOVAL COST	REINSULATION COST	COMBINED COST	_
CAMPUS 1	TOTALS	\$2,962	\$2,274	\$5,236	•
DISTRICT 1	POTALS	\$2,897,974	\$1,530,918	\$4,428,892	-

PLAN DISTRIBUTION/NOTIFICATION

This section reflects requirements outlined in 40 CFR 763.84 & 763.93 (10)

The following subsections contain this required information:

- Annual (employee) notification records.
- Annual (parent/legal guardian/occupant/employee) notification records

ACTION:

You must send an annual notification to parent, teacher, and employee

organization.

Short-term workers must be informed as to the location of ASBM in the

school building.

FORMS:

N/A

PLAN DISTRIBUTION/NOTIFICATION

AHERA requires that the LEA notify all building occupants, workers, contractors, and parents or legal guardians of school children. There are three key elements to the Notification program and they are Initial Notification, Annual Notification must include a discussion of:

- Inspections
- Re-inspections
- Surveillance
- Response actions
- Post-response action activity
- Availability of management plant

The LEA designate can realize benefits from the notification program because informed occupants are less likely to disturb the material and will report problem situations.

Contract workers (short-term) who will come in contact with ACBM during their work must be informed of the presence of ACBM. In addition, under various right-to-know laws, all workers must be informed of the potential for contact with hazardous materials such as asbestos.

There are three key areas of notification:

INITIAL NOTIFICATION OF THE MANAGEMENT PLAN AVAILABILITY

At the implementation of the Management Plan, notification to parent, teacher and employee organization of the availability of the plan is to be enacted. Enclosed is a list of steps that are to be taken to provide adequate notifications.

ANNUAL NOTIFICATION

On an annual basis, the parent, teacher and employee organization shall receive notification reiterating the availability of the plan and other asbestos activities that will occur or have occurred. The annual notification is included in the steps to be taken.

NOTIFICATION OF THE AVAILABILITY OF THE MANAGEMENT PLAN

The Initial and Annual Notification should follow these procedural steps:

- Step 1: Notify in writing the president of the parent, teacher and employee organization about the availability of the management plan. This is to be done when the plan is submitted to Governor's designate (October 1988).
- Step 2: If in the event there are no organizations for either parent, teachers or employees, other logical information devices will be used. A newspaper notice is an acceptable media to comply to the AHERA rules.
- Step 3: The notification will explain the location and availability of the management plan, at no cost to review and how to receive a copy (i.e., \$.10 per page black & white or \$50 per copy). A summary of each school inspection report may be included in the letter initially and annually if desired.
- Step 4: The notification will include all response actions scheduled, all response actions previously undertaken in the past calendar year, notice of inspections, periodic surveillance and other pertinent asbestos management activities that are planned or in progress.
- Step 5: Recordkeeping: A dated copy of each notification is to be kept. In addition, a signed receipt from a certified letter should be kept (optional). Keep all records under TAB 13.

ANNUAL (EMPLOYEE) NOTIFICATION RECORDS

EMPLOYEE NOTIFICATION LETTER

Dear Employee:

An environmental health & safety consulting firm completed a study to determine the presence, location, and quantity of asbestos-containing materials at the <u>West Linn-Wilsonville School District</u>. The facilities were inspected in accordance with the Environmental Protection Agency guidelines for asbestos-containing materials (i.e., 40 CFR 763). This study is available for your review in the main office of each facility.

Asbestos poses a widespread concern for everyone since it was used extensively in buildings and homes constructed up to the late 1970's for insulation, acoustical purposes, and/or fire retardation. During that time, asbestos was a government-approved building material and considered almost a miracle substance because of its fire retardant and insulating properties. Airborne asbestos fibers are a health hazard and have been linked with different types of abdominal and lung cancers. We are, therefore, committed to taking corrective measures, when and where appropriate, and our asbestos control efforts will be based on the advise of experts knowledgeable in asbestos abatement techniques.

It is very important that all maintenance, custodial, and production employees read carefully the list of known and suspect asbestos-containing materials located in the main office. Please note the location of asbestos-containing material and avoid any unnecessary disturbance of the material. West Linn-Wilsoville School District has also designed an Operations & Maintenance Plan to ensure that the remaining asbestos-containing materials at our facility remain in good condition. The Asbestos Operations and Maintenance Plan includes specific requirements for the safe handling and removal of asbestos-containing material and should be consulted prior to beginning any work on or near asbestos-containing materials.

By signing this document, you are acknowledging only that you have been informed of the known asbestos-containing materials in the <u>West Linn-Wilsonville School District</u>, the Asbestos Operations & Maintenance Plan for safe handling of asbestos-containing materials, and that you are aware that asbestos may produce adverse health effects if proper control techniques are not used. Our goal is to provide everyone with training and knowledge so that exposure to our employees and contractors does not occur. Our policy of hiring licensed asbestos abatement contractor to perform all work involving asbestos-containing materials will continue.

Please sign and return a copy of this letter. If you have any questions or concerns, please contact me.

Sincerely,

Asbestos Program Manager

Signature ______ Date_____

Printed Name_____ Social Security No.______



May 9, 1989

T0:

Oregon Department of Education

700 Pringle Parkway Salem, OR 97310-0290

SUBJECT:

AHERA Management Plan

Buildings Included:

WEST LINN HIGH SCHOOL BOLTON MIDDLE SCHOOL

CEDAROAK PARK ELEMENTARY

STAFFORD ELEMENTARY SUNSET ELEMENTARY

WILLAMETTE MIDDLE SCHOOL WILSONVILLE ELEMENTARY INZA WOOD MIDDLE SCHOOL ADMINISTRATION BUILDING

RECEIVED BY:

DATE:

5/9/89

P.O. Box 100 st Linn, Oregon 97068-0100 (503) 638-9869

ANNUAL (PARENT/LEGAL GUARDIAN/OCCUPANT) NOTIFICATION RECORDS



West Linn-Wilsonville School District 3JT

ADMINISTRATION BUILDING

P.O. Box 35 · West Linn, Oregon 97068 · (503) 638-9869 or Fax (503) 638-9878

January 4, 2000

Dear Parents and Students:

In our efforts to comply with Federal and State requirements regarding asbestos management; and to ensure a safe learning environment for the patrons of West Linn-Wilsonville Schools, please be advised that all district facilities except Boeckman Creek Primary, Athey Creek Middle, Wilsonville High and Rosemont Ridge Middle contain varying amounts of known asbestos-containing materials.

The District employs the services of a professional asbestos management firm who has completed a study to determine the presence, location and quantity of asbestos-containing materials in all district facilities. The facilities have been recently re-inspected in accordance with the Environmental Protection Agency guidelines for asbestos-containing materials and this study, as well as all historic data regarding asbestos, is available for your review in the main office of each facility.

West Linn-Wilsonville Schools is committed to providing safe schools for all students and employees in our district and we thank you for your attention to this important issue.

Sincerely,

DEPARTMENT OF OPERATIONS

Tim K. Woodley, Director Asbestos Program Manager



West Linn-Wilsonville School District 31T

ADMINISTRATION BUILDING

West Linn, Oregon 97068 - (303) 538-9869 or Fax (303) 638-9878

September 8, 1992

MEMO

TO:

West Linn School District Parent Teacher Organization

and Booster Club Chairpersons Bill Bailey, WLEA President Bob Lawer, OSEA President

FROM:

Dealous L. Cox, Socrintender

SUBJECT:

Asbestos Inspection Report and Management Plan

This memorandum is intended to comply with the federal requirement to notify you annually that the district has an asbestos management plan which is available for inspection in each of the individual school offices and in the Administration Building. If you or members of your group wish to review the plan, please contact the appropriate school principal or me.



West Linn School District 31T

ADMINISTRATION BUILDING

P.O. Box 100 - West Linn, Oregon 97068-0100 (503) 638-9869 - Fax (503) 638-9878

September 24, 1991

<u>MEMO</u>

TO:

West Linn School District Parent Teacher Organization

and Booster club Chairpersons

Bill Bailey, WLEA President Doris Dorsey, OSEA President

FROM:

Dealous L. Cox, Superintendens

RE:

Asbestos Inspection Report and Management Plan

The purpose of this memorandum is to provide annual notification, as required by federal AHERA regulations, that the district's asbestos management plan is available for public review in the principal's office in each school and the district's maintenance office at the Administration Building. Each plan contains, among other things, the results of the six-month inspections completed in each building and notes the effects of any asbestos removal projects or other response actions undertaken in the last 12 months.

If you have any questions regarding this letter or the district's management plan, please contact me at 638-9869 or the individual building principals.

September 6, 1990

MEMO

TO:

West Linn School District Parent Teacher Organization

and Booster Club Chairpersons Bill Bailey, WLEA President Doris Dorsey, OSEA President

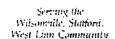
FROM:

Dealous L. Cox, Superintendent

SUBJECT:

Asbestos Inspection Report and Management Plan

This memorandum is intended to comply with the federal requirement to notify you annually that the district has an asbestos management plan which is available for inspection in each of the individual school offices and in the Administration Building. If you or members of your group wish to review the plan, please contact the appropriate school principal or me.





DATE:

May 12, 1989

T0:

All Principals

FROM:

John Allen, Safety Officer

SUBJECT:

Asbestos Management Plan

This is to confirm that each school shall uniformally conform to the month of January to meet annual inspection and notification requirements as set forth by the State of Oregon.

Please place this letter in your suspense file for January (of each year) and reaffirm to your staff and other associated Parent-Teacher, Booster, or other groups of the availability of this plan for their respective review.

A copy of all correspondence per this plan must be submitted to the District Safety Officer for filing in the District's master file.

Your cooperation is essential and appreciated.

√ohn Allen,

Safety Officer

JA/pr

cc: Dea Cox

Sam Nutt

Mest Aim School Bistrict Io. 3]

ADMINISTRATION SUILDING P.O. Box 100 West Linn, Oregon 97068-0100 (500) 608-9869

MEMO

May 9, 1989

TO:

West Linn School District Parent Teacher Organization

and Booster Club Chairpersons Bill Bailey, President, WLEA Kæffen Woodward, President, CSEA

FROM:

Dealous L. Cox, Superintendent

SUBJECT: Asbestos Inspection Report and Management Plan

In September, I indicated to you that Hall-Kimbrell Environmental Services, the firm with which the district has contracted to complete the asbestos inspection and management plan for the district, had completed the inspection; however, the management plan had not been completed.

Hall-Kimbrell has now completed the asbestos management plan, and it is available in each of the individual school offices and at the district administration building. If you or members of your group would like to review the plan, please contact the building principal or me.



DATE:

May 9, 1989

TO:

All Principals

SUBJECT:

AHERA Management Plan

I have received my building's copy of the Facilities Asbestos File.

WEST LINN HIGH SCHOOL

Principal

Date

Marity Sequer

Principal

CEDAROAK PARK ELEMENTARY

Principal

SUNSET ELEMENTARY

WILLAMETTE MIDDLE SCHOOL

WILSONVILLE ELEMENTARY

AUGUST STAFFORD MIDDLE SCHOOL

WILSONVILLE ELEMENTARY

Principal

Principal

Principal

Date

Principal

Principal

Date

Subervisor

Date

Subervisor

Date

Subervisor

Date

P.O. Box 100 vest Linn, Oregon 97068-0100 (503) 638-9869



May 9, 1989

TO:

Principals

FR:

Sam Nuti

SUBJECT:

Asbestos Management Plan

Attached is the asbestos management plan for your school. This is an extremely important document which will receive increasing attention in the coming months.

The following are some steps relative to this document that you should take immediately:

- Become familiar with the contents of the document and identify a location in your files where the plan will be maintained. (You should not allow the plan to be taken outside of the building; and you or your secretary should know where it is at all times.)
- 2. Insure that key employees (engineer, custodians, other administration, school secretary, etc.) in your building are familiar with the contents and know where the plan is located and can find it when required.
- 3. Inform staff now and annually that the plan is available and tell them how to access it.
- 4. Send the attached memo from Dea to your parent organization informing them about the plan. Annual written notification to parent organizations is required and should be document in the appendix of the plan.

Please contact me if you need help in understanding the document. It is not well organized or easy to read and understand; however, it does meet the requirements of our contract with Hall-Kimbrell. Unfortunately, we are stuck with this plan format for now. The most important things you and your key staff need to know immediately for the plan are: (1) the locations of friable (i.e. material which will crumble with hand pressure) asbestos in your building, and (2) the steps you should take if you have an asbestos fiber release incident (or suspected incident)in your building.

NOTIFICATION & TRAINING OF EMPLOYEES, CONTRACTORS/SHORT-TERM WORKERS

This section reflects requirements outlined in 40 CFR 763.92 (a)(l), (2)(iv) & 763.84 (b)

The following subsections contain this required information:

Contractor/Employee Notification Letter Contractor Notification/Acknowledgement Contractor Asbestos Awareness Training Records

Notification and Labeling

Once the presence of ACM has been established in a facility a notification and warning program should be initiated. The notification and warning program serves two purposes

It alerts affected parties to a potential hazard in the building It provides basic information on avoiding the hazard

Building occupants, employees and others who are aware of the presence of ACM are less likely to disturb the material and cause fiber release. Note, however, that the AHERA Rule requirements for notification are limited to sending written notices to employees, parent and teachers (or organizations representing these groups if such organization exist.) The notices must announce the existence and location of the management plan.

Notification

Notification of building occupants and other affected individuals can be accomplished several ways. Two common techniques are

Distributing notices Holding awareness or informational seminars

The distribution of notices is an effective means of altering building occupants about the presence of asbestos. Memos or letters can be tailored to specific parties, and verification that notification was received is easily accomplished. For example, in a large multitenant facility, the building owner can send detailed reports to the management of individual companies, while distributing similar informational memos to building occupants.

Awareness or informational seminars can be designed to follow written notification. They serve to expand on relevant information while allowing those attending to raise questions. These seminars can be developed at the same time as other training programs, and typically last no more than several hours.

Regardless of notification format chose, building occupants could be provided with the following information:

What asbestos is and how it is typically used Health effects of associated exposure What type(s) of ACM are present in the facility The exact location(s) of these materials How individuals can avoid disturbing ACM How to recognize and report damage

SHORT-TERM WORKER NOTIFICATION

Information regarding the location of ACBM must be provided for all short term workers who come into the building according to the AHERA Final Rules. To comply with this requirement, LEA should inform all short-term workers that the management plan must be reviewed prior to working in the building.

This can be accomplished by the following:

All workers are to report to the school administrative office prior to starting any activities, review the plan, and sign a statement that they have done so.

CONTRACTOR NOTIFICATION LETTER

CONTRACTOR NOTIFICATION LETTER

West Linn-Wilsonville School District hired an environmental health & safety consulting firm to complete a study to determine the presence, location, and quantity of asbestos-containing materials at the West Linn-Wilsonville School District. Our schools were inspected in accordance with Environmental Protection Agency guidelines for asbestos-containing materials (i.e., 40 CFR Part 763). This study is available for your review in the Central Records Library.

The purpose of this letter is to advise you as to where the known asbestos-containing materials are located at the <u>West Linn-Wilsonville School District</u>, and to refer you to the Asbestos Survey for identification of the presence, location, and quantity of asbestos-containing materials throughout our facility. The survey is located in the Main Office and it is essential that you familiarize yourself in the contents of the survey and the asbestos described in the Operations & Maintenance Plan prior to beginning any work in this facility.

The West Linn-Wilsonville School District has an Operations and Maintenance Plan which provides our employees and contractors with the proper knowledge to institute safe practices for the elimination of potential airborne fibers. One key element of this program includes periodic air testing to ensure that asbestos fiber concentrations are maintained well below the EPA indoor air quality level. Whenever known or suspected asbestos-containing materials are impacted, air quality testing will be conducted.

By way of background, the term "asbestos" describes a group of minerals, including actinolite, amosite, anthophyllite, chrysotile, crocidolite, and tremolite that are related to each other as fibrous inorganic hydrated mineral silicates. These minerals have been valued as a natural resource with hundreds of applications in manufacturing, construction and consumer products. Their fibrous forms allow them to be made of cloth, felt, gaskets, rope or to be used for reinforcement in cements, asphalt, and plastic. They are nonflammable, withstand high temperature and have a high-tensile strength. Three forms of asbestos products are typically found in buildings 1) surfacing materials; 2) thermal materials; and 3) miscellaneous materials such as ceiling tiles, floor tiles and shingles.

Asbestos poses a widespread concern for everyone since it was used extensively in buildings and homes constructed with insulation, acoustical treatments and/or fire protection. Asbestos was installed as a government-approved building material and was considered almost a miracle substance because of its many physical properties. However, airborne asbestos fibers are a health hazard and have been linked with different types of abdominal and lung cancers. We are therefore committed to taking corrective measures wherever appropriate, and our asbestos control efforts will be based on the advice of experts knowledgeable in asbestos abatement techniques.

Asbestos fibers tend to be retained by the lungs and can cause a variety of diseases, some of which are not evident for 20 years or more after initial exposure.

If you have any questions or concerns, please contact the APM, <u>Tim Woodley</u>, at (503) 673-7041.

Thank you in advance for your cooperation.

Sincerely,

Asbestos Program Manager

CONTRACTOR / NOTIFICATION / ACKNOWLEDGMENT

Contractor Notification / Acknowledgement

The <u>West Linn-Wilsonville School District</u> facilities have been determined to contain asbestos. Your work may bring you into close proximity to known or suspected asbestos-containing materials. Please refer to the Asbestos Building Survey and List of Routine Maintenance Areas for descriptions of asbestos-containing material in the specific areas you will be working in

WORKING WITH ASBESTOS CAN BE DANGEROUS. INHALING ASBESTOS FIBERS HAS BEEN LINKED WITH VARIOUS TYPES OF CANCER. IF YOU SMOKE AND INHALE ASBESTOS FIBERS, THE CHANCE THAT YOU WILL DEVELOP LUNG CANCER IS GREATER THAN THAT OF THE NON-SMOKING PUBLIC.

Disturbance of the asbestos-containing materials may cause release of asbestos fibers into the air. The work you are about to perform should not disturb and/or damage these materials. Any such activity is prohibited without the use of engineered control procedures and employees trained in their use (DEQ certified asbestos abatement workers and/or supervisors). An asbestos work order must be granted by the <u>LEA</u> before performing any task that might result in the disturbance of asbestos-containing materials. The only contractors that are permitted to intentionally disturb asbestos containing material are those that have received an Oregon Asbestos Abatement Contractor license.

By signing this document you are acknowledging that you have been informed of the known locations and health hazards associated with asbestos-containing materials in the <u>West Linn-Wilsonville School District.</u> You are also acknowledging that you understand that only licensed asbestos abatement contractors and certified asbestos abatement employees may intentionally disturb asbestos-containing material. If you encounter damaged materials that you believe might contain asbestos, you are responsible for notifying the APM prior to any activities that might results in the release of asbestos fibers.

SIGNATURE:	DATE:	··· <u>-·</u> ·
PRINTED NAME:	SS#:	 -
COMPANY:		

CONTRACTOR ASBESTOS AWARENESS TRAINING RECORDS

TRAINING

This section reflects requirements outlined in 40 CFR 763.84 (2), 763.92 (a) (v), (2)

The following subsections contain this required information:

- LEA Designate/Asbestos Awareness Training Records
- Maintenance/Custodial Staff
- Personnel Medical Records (if applicable)

ACTION: You must train your custodian and maintenance employees. Prior to the start of the O & M Plan, there is a 2 hour awareness training and 14 additional hours of training for workers who may come in contact with asbestos.

FORM: N/A

EMPLOYEE AND WORKER TRAINING

Training workers to use special procedures and work practices is a key to a successful asbestos management program. The training requirements differ between OSHA and AHERA, primarily in that OSHA has no specific number of training hours. There is also a difference in various state training programs.

All LEA maintenance and custodial staff, as well as contract workers, who work in a building containing ACBM are required to receive at a minimum a two-hour awareness training seminar. Any of these workers who will disturb ACBM must receive an additional 14 hours of training. Workers engaged in large-scale, long-duration ACBM activities in K-12 schools must receive 24 hours of training and become "Accredited Asbestos Workers". They must also receive an annual 8-hour refresher course. In Washington State the training program is 36 hours for "Accredited Workers".

The time intervals for the awareness education and 14 hours additional training of the employees are not specified by EPA regulations. However, it is highly recommended that both the two-hour awareness seminar and the additional 14 hours of training be given annually. All employees must receive the two-hour awareness training within 60 days of beginning work or, if they will come into contact with ACBM, before they begin their activities. Intervals should be checked for compliance with state and local rules and regulations. Many private companies and LEAs have all workers who contact ACBM attend the 24-hour training to provide the highest level of worker training. A sample employee training records form is included in this section.

LEA DESIGNATE

The local Education Agency designated person (asbestos program manager) is the responsible person on behalf of the school district to ensure that the management plan and the AHERA rules are followed and, even more importantly, to protect the health of the building occupants and the environment.

Every LEA must designate a person and train them with the basic knowledge of the following:

- --Health effects of asbestos
- -- Detection, identification and assessment of asbestos containing materials
- -- Options for controlling as bestos containing building materials
- -- Asbestos management programs
- -- State and Federal regulations

There is no approved course or length of training set by the EPA. Some people are of the opinion that the LEA designate should take a 5 day Accredited Inspector/Management Planner course. This

TRAINING

is the highest level of accredited training for non-workers. Because the LEA designate is the most responsible party in the asbestos management process, taking this course when available makes sense. There are 3 day courses to train LEA designates and even 1 day courses.

TWO-HOUR AWARENESS TRAINING

The required LEA two-hour awareness training program should include the information given to the occupants for the general information sessions and mailings and should include:

- -- Uses and forms of ACBM
- -- Health effects of asbestos
- -- Location of ACBM in building
- -- Recognition of problems such as damage, deterioration, or delamination of ACM
- -- Name and telephone number of the APM
- --General understanding of the asbestos management program
- --Overview of work practices and procedures to be followed by personnel who will
- -- Contact ACBM

WORKERS WHO CONTACT ACBM

All employees and contract personnel who contact ACBM through cleaning maintenance or emergencies must have at least an additional 14 hours of training (16 hours total). Three types of training for workers who contact ACBM can be identified:

- -- Training for custodians involved in cleaning and simple maintenance tasks
- --Training for maintenance workers involved in general maintenance and more complex repair tasks
- --Training for workers who may conduct limited asbestos abatement (removal, enclosure, and encapsulation) or whose work involves direct (intentional) contact with ACBM

All three types of training should include general discussions of the uses and health effects of asbestos, the location of ACBM in the building, the overall asbestos control program, and the asbestos management program.

The additional 14-hour training program should also include:

- --Physical characteristics of asbestos
- --Methods and procedures for handling and disposing ACBM
- -- Medical monitoring and surveillance requirements
- --Personal protection, including respiratory protection and protective clothing
- --Working knowledge of the asbestos management program, including safety, access, and reinspection
- -- Equipment availability and uses including wet cleaning, HEPA vacuuming, steam cleaning, etc.
- --Hands-on training in use of respirators, personal protection, work practices, and fiber control

TRAINING

- --Importance of record-keeping and employee record generation requirements
- --Requirements for clearing work-order through the APM for of all renovation and ACBM disturbance activities
- -- Nonasbestos safety considerations
- -- Training and licensing requirements by state and local agencies

ACCREDITED ASBESTOS WORKER TRAINING

The training requirement for an accredited asbestos worker includes a 24-hour, or three-day course. The course should include lectures, demonstrations, at least six hours of hands-on training, individual respirator fit-testing, course review, and an examination. EPA recommends the use of audio-visual materials to complement lectures where appropriate.

The training course should adequately address the following:

- -- Physical characteristics of asbestos
- --Potential health effects related to asbestos exposure
- -- Employee personal protective equipment
- -- State-of-the-art work practices
- --Personal hygiene
- -- Addition safety hazards
- -- Medical monitoring
- -Air monitoring
- --Relevant federal, state, and local regulatory requirement, procedures, and standards.
- -- Establishment of respiratory protection programs
- -- Course review

The worker must receive a passing grade of 70% on an examination with 50 multiple-choice questions.

TEACHING QUALIFICATIONS

The 2 and 14-hour training programs can be conducted by any qualified person trained in asbestos control and management. The EPA stresses the use of the most qualified people available. The 24-hour training program for workers must be an EPA-accredited training course. A sample form for recording individual worker training is included in this section.

CONTRACT SERVICES

Where custodial and maintenance services are performed under contract with a service company, the building owner must ensure that the service company's staff has been properly trained for working with ACBM. Training will include successful completion of courses on asbestos control and special programs that meet the requirements for the LEA staff discussed above. The company's respirator and medical surveillance programs should be reviewed. In addition, the company performance should be verified with other customers, particularly owners of buildings containing ACBM.

If the service company meets the training and performance requirements, an initial session should be held with the company's supervisors and workers to inform them of the location of ACBM in the building and of all building-specific operating procedures. The APM assumes responsibility for ensuring that the service company adheres to all aspects of the asbestos management program.

LEA DESIGNATE/ASBESTOS AWARENESS TRAINING RECORDS

LEA DESIGNATE DOCUMENTATION

The school district must designate and train a person to ensure compliance with the requirements of Section 763.84 of the Final Rules. The responsibilities of the LEA Designate's signature and statement of acceptance appears in the last TAB of the Management Plan. If the school board or superintendent has formally assigned the LEA Designate with a letter, memorandum, or similar conveyance, a copy should be filed under this Tab.

The West Linn-Wilsonville School District's Superintendent Roger L. Woehi acknowledges the undersigned person to act as the LEA Designate throughout the West Linn-Wilsonville School District.

Signature: Know & Mache
Date: <u>////99</u>
, ,

LEA DESIGNATE

Tim Woodley West Linn-Wilsonville School District 3Jt 22210 S.W. Stafford Road Tualatin, OR 97062 (503) 638-9869

LEA DESIGNATE TRAINING

Course Name: AHERA DP
TRAINING
Training Date: 10-14-99
Total hours:
Description:

LEA DESIGNATE RESPONSIBILITIES

Responsibilities are listed in the federal register included in this section.

Course Title: AHERA DP TRAINING

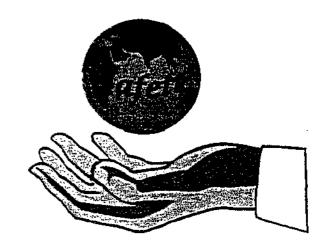
Date(s): 10-14-99

Location: WEST LINN-WILSONVILLE

SCHOOL DISTRICT

ADMINISTRATION BLDE,

PAC PRO Safety & Health Services
660 N.W. Bella Vista Drive + Gresham, Oregon 97030
Phone: 503-666-6693 + Fax: 503-665-3143



Attendance Roster

Name	Company		Phone Nu	mber
1 Jeri Nelson	WL-WV School	Oist	613-	7013
1 Jeri Nelson 2 Tim Woodley	School District		673-70	
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Certificate of Completion

Presented by
Three Rivers Environmental, Inc.

Jeri Nelson

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October 12 1990 White Carlos Sandy Constitution Constitution Constitution Carlos Carlo

Three Rivers Environmental, Inc. (1503) 357, 2396



Tim Woodley

Judy splebe stulk Completed a Person

Treining Course in advordance with
A AHERA 40,843, Part 763, Subpart E.

Vest Link - Wilsonville School District and John Committee Learning Co

Three Rivers Bhy ronmental, Inc. 345, W. Arlington Gladstone, Oregon 97027, (503)-557-2396

MAINTENANCE / CUSTODIAL STAFF

Course Title: ASBESTOS AWARENESS

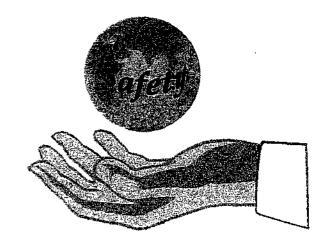
Date(s): 02-16-01

Location: WESTLINN - WILSONVILLE S. D.

WEST LINN, OR

PAC PRO Safety & Health Services

660 N.W. Bella Vista Drive * Gresham, Oregon 97030 Phone: 503-666-6693 * Fax: 503-665-3143



Attendance Roster

SIGNATURE	PRINTED NAME	PHONE NUMBER
1. Prof Commett	555 Ary Cromwell	650-2636
2 Darre Crem well	Darryl Gronwell	503-65-2636
3. enough Betund	Noncy BeHinestei	655-7152
4 WITTE	BILL RAY	650-3842
3/1/Land Millian	MIDIR L. RAINEY	673-7013
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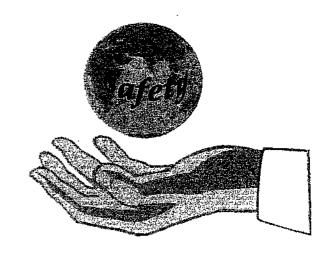
Course Title: ASBESTOS AWARENESS

Date(s): 0Z-16-01

Location: WEST LINN-WILSONVILLE S.D.

WEST LINN, OR

PAC PRO Safety & Health Services
660 N.W. Bella Vista Drive * Gresham, Oregon 97030
Phone: 503-666-6693 * Fax: 503-665-3143



Attendance Roster

SIGNATURE	PRINTED NAME	PHONE NUMBER
1. ROBERT STEWARD	Robert Steeren	n/4
2 Robin K Methtosh	Robin K MeThtoch	303-722-5775
3. JE Ronson	Frank F. Ranson	7607086
4 Fares & Paula	HAROLD PAULEY	5037757166
5. BLAINE CHRISTOPHER	BLAIN CHRISTOPHER	503 771-8127
6. PEDRO LORPESS	PEPRO HORRES SAT	S03 CALKUST
2 Cherry Cases	Terry Casey	673-7456
8. Kim Vachter 1	Kim Vachlet	678.7013
9. Sonda Vaccondar	Linda Varsandar	666-1975
10. JESUS LUNA	JESUS LEWIS	803-7060
11. JOSE LUNA	JOSCZIMA	998-7252
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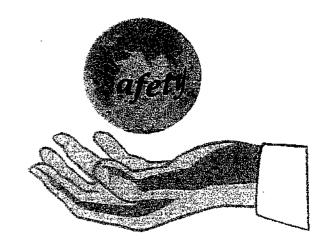
Course Title: ASBESTOS AWARENESS

Date(s): 02-16-01

Location: WEST LINN-WILSONVILLE S.D.

WEST LINN, OR

PAC PRO Safety & Health Services 660 N.W. Bella Vista Drive * Gresham, Oregon 97030 Phone: 503-666-6693 * Fax: 503-665-3143



Attendance Roster

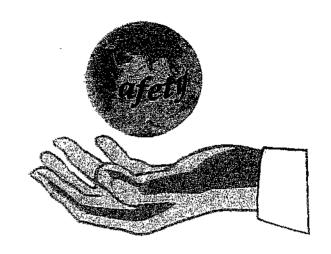
SIGNATURE	PRINTED NAME	PHONE NUMBER
1. July VEomas	VICKI YEOMANS	673-7013
2 Show Tenth	Steve Lewallon	7 () / 3
3. John W Hutley &	John W HARtley Jr	673-7100
4 Kolaio Luna	RELUGIO LUNA	774-6418
5 Janua Johnson	LARRY JOHNSON	GA5-4541
6. Jay Ife	LAMENI TOUSE	678-1484
1. Kown Wahera	Keoin Washington	794-9452
8 R 5 - D m04	Ron O mosar	643-1832
9. Da Riga	Barter Ziga	570-04-6
10. Jour Morwel	Doug Nimros	998-7252
11. Kong W 13 -1	ROCKY Bounds	931-1627
12 mistay mouse	mickey marge	824-3105
13. Ollas Dearn	Allan Perrine	656-6655
14. Sang frag	GARN H. N.S.	2208-625
15. Jon Jugan	Tom NIXON	682-8434
16.	105/25 Born	5/25/900
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Course Title: ASRESTOS AWARENESS

Date(s): 03-26-01

Location: WESTLINN-WILSONVILLE S.D.

PAC PRO Safety & Health Services
660 N.W. Bella Vista Drive * Gresham, Oregon 97030
Phone: 503-666-6693 * Fax: 503-665-3143



Attendance Roster

PLEASE PRINT your name clearly, as you want it to appear on your certificate.

SIGNATURE	PRINTED NAME	PHONE NUMBER
1 Was Della	David Jolliffe	539 5826
2 /leny thin	TROOP L. Sturman	630-3675
3. KRINDOL	Robin Nolan	631-4832
4. Rayroldo R. agrico	REYNALDO & GSPINO	675-8260
5 las Holtoup	Vicki Holtcamp	638-4460
6. Coul Kode	Claude Koch	653-9482
7. Oren Jukece	COLINIUALL	723-1453
8.	Ju Lucy	1772-7105
9 Hind Jacoh	Luida Sacobs	636-2698
10. Je March	Lee Moserc	435-2979
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of Cherry hommen	Cheryl Somner	673-7265
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 14. Carol zuneher	CAROL Zuencher	673-7013
15 you Nolon	Jeri Nelson	673-7013
16 John Friedon	John Brickson	632-4421
17. SERGIO BPIZACSO		723-06/4
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"Safety for a Worldwide Workplace"

ASBESTOS AWARENESS TRAINING FEBRUARY 21, 2000

Smith, Jason

Moser, Leo

Simmons, Phil

Riggar, Butch

Pauley, Harold

Deatherage, Ryan

Wart, James

Herring, William

Hartley, John

Johnson, Larry

Wall, Colin

Griffin, James

Luna, Jose

Bounds, Rocky

Luna, Jesus

Luna, Refugio

Washington, Kevin

Somner, Cheryl

Koch, Claude

Baer, David

Rainey, Mark

Olson, Terry

Garza, Pam

Yeomans, Vicki

Nolan, Robin

Hines, Gary

Lewallen, Steve

Ray, Bill

Peter, Jim

Cromwell, Darryl

Nixon, Tom

Daley, John

Jacobs, Linda

Vachter, Kim

Sturman, Terry

Simmons, Joe

Thomas, David

Christopher, Blaine

Howard, Jerry

Whitney, Clair

Course Title: ASESTOS AWARENESS

Date(s): CZ ZISCO

Location: WEST LIMN/WASHAVILLE

SCANCIL TO A AMOUNT ESTE

PAC PRO Safety & Health Services 660 N.W. Bella Vista Drive + Gresham, Oregon 97030 Phone: 503-666-6693 + Fax: 503-665-3143



Attendance Roster

SIGNATURE	PRINTED NAME	PHONE NUMBER
1. Jam D & mith	Jama D Smith	5031682-7521
2-GEMEY	Leo Moseis	435-2979
3. Jelle Simons	Phil 5 mmons	570-9753
1 Bul Ra	Butch RIDGER	570-0466
5. Harrey & Pauly	HAROLD R PAUley	7757166
o Ryan clather will	Ryan De atherage	557-7347
Tomo da than	James H- Want	632-6492
& William \ Wetr	WILLIAM HERRING.	632.4582
9. John W Harriego	John W. HARHRY JV	698-4221
10 tours for uson	LARRY JOHNSON	625-4541
11. Sending 1	COLIN WALL	232-215,7
12 Jours & Olyfin	VHATES A GRIFFAN	656-4688
13. VISO/00A	JOSE F-LUNA	259-9483
14. Four Bond	ROLKY BOUNDS	582-8506
15. 16515 JUNG	Jesis Jung	2547-9483
16. W. Y. C. Justin	PERIEIO XULZ	248. 72.92
17. Jaken (1) ashington	Kevin Washinsten	794-9452
18. June Somme	Charyl Sommer	25007(49
19. Care Care Ca	Chile Koch	658-9482
20. Tres Perer	David J Rose	632-3308

Course Title: ASBESTOS AWARENESS

Date(s): 02/21/EC

Location: WEST LINK/WILSON VILLE

SCHOOL DIST, ADMIN BLDG.

WEST LINK, CR

PAC PRO Safety & Health Services 660 N.W. Bella Vista Drive • Gresham, Oregon 97030 Phone: 503-666-6693 • Fax: 503-665-3143



Attendance Roster

SIGNATURE	PRINTED NAME	PHONE NUMBER
Mia Kollen	MAIK L. Rainey	673-7013
2 1/ Jeny J. Obeh	Terry Olson	
3 Para Garza	Pam Garza	
4. Verhell Leonars	VICKI GEOMANS	
5. Pal Not	Robin Nolan	
6. Hary Shuis	GARY HINES	
7. The Temple	Steve Lewaller	673-7909
8 Use Con	- FILL RAY	673-7845
9. Intertain	Jim Peter	656-6665
10. Darryl	Dasive cremwell	650-263e
11. Thomas Jun	THOMAS NIXON	1582-8434
12 John Laly	John C. DAley	631-8603
13. France & sales	binda 5 chavis	636-2698
14. Kin Backter	Kim Vachter	65-6.5-429
15. Terry C. Sturman	Jung This	630-3675
16. Joe Symmons	Joe Simmous	673-7016
17. Chair Thomas	DAVID THOMAS	673-7013
18. Hay Attaly	BLAINE CURISTOPHER	771-8127
19 Jane	Jewy Hanne	\$ 673-75°°
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ASBESTOS AWARENESS MARCH 20, 2000

Gaffney, Les Sherman, Walt Chavarin, Freddy Steward, Robert Cromwell, Gary Zuercher, Carol Dvorak, Mark Rose, Thelma Lasit, Sharon Espino, Reynaldo Nolin, Gwynn Nimrod, Doug Varsandar, Linda Holtcamp, Vicki Bettineski, Nancy Moser, Ronald Boyle, Lester Casey, Terry Perrine, Allan Torres, Pedro Nelson, Jeri Joliffe, Dave

p.2

Course Title: ASBESTOS AWARENESS Date(s): ____ WEST LINN SCHOOL DIST. Location: ADMINISTRATION BLDG. WESTLINN OR

PAC PRO Safety & Health Services 660 N.W. Belle Vieta Drive . Gresham, Oregon 970-1 Phone: 500-666-6693 * Fax: 503-665-3143



Attendance Roster

SIGNATURE	PRINTED NAME	PHONE NUMBER
1. Las O. Galfrey	LES D. HAFFNEU	503-762-4036
2 (1) (A) SIA) (1)	WAGG SAFFAREL.	5-72-352-3529
3. My 2. Chrosof	Mean hadin	
4 1 3 0 1 20	ROBER STEWARD	11/4
5. Dung & Countiel	GALL TELESCO	650 2036
6. Count June 1	CAKCL subschur	1630 7373
7. Mark Doorak	MARK NORAK	<u>u57-7430</u>
9. Marry Hart	Shaken Cary	673 7/85
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u Marian Man	Chesta at daline	
12 Douglatie Tring	TRUE NIMEOD	824-3765
13. Sul Carson bus	Linda Varsandar	666-1975
14 Alist Topas Borne	Vidi Holte Anny	638-4460
15 Detter	None Beymosk	T
16. Kish T. CAD MY	Rungly U Moser	6x 3 / x 34
17		824-9409
18. Tarry Gary	Terry Locey	656.6688
20 DEPROJERS S	Allan berrine	CX SUSS

Course Title: ASBESTOS AWARENESS

Date(s): 3/20/00

Location: WEST LINN SCHOOL DIST

ADMINISTRATION BLOG.

WEST LINN, OR

PACTRO Safety & Health Services
669 N.W. Bella Visia Drive • Gresham, Oregon 974. 0
Phone 503-666-6693 • Fax: 503-665-3143



Attendance Roster

SIGNATURE	PRINTED NAME	PHONE NUMBER
1. :()	Danc Johlte	
2 Line Water	Nelson Nelson	6073-7013
3.		
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18.		
19.		
20.		

PERSONNEL MEDICAL RECORDS (if applicable)

MEDICAL MONITORING

OR-OSHA Division 3 - 1926.1101 (m); (n)(3)

A medical surveillance program must be made available to workers employed in the construction industry who are:

 exposed to asbestos at or above the PEL (0.1 f/cc - 8TWA) or Excursion Limit (1.0 f/cc - 30 min.) for 30 or more days per year;

Or

- engaged in Class I, II, and/or III asbestos work for 30 or more days per year;
- required by the rules to war a negative-pressure respirator.

All other employees who are or will be exposed to asbestos at or above the action level must be covered by a medical surveillance program.

Medical examinations must be given on the following schedule:

- prior to assignment to an area where negative-pressure respirators are worn; or
- within 10 working days following the thirtieth day of exposure annually thereafter.
- if an examining physician determines that any test(s) should be more often than the annual schedule.

Examinations must include:

- medical and work history;
- standardized questionnaire; abbreviated questionnaire;
- physical examination;
- chest X-ray (this is based on the doctor's discretion and analyzed by a specialist);
- pulmonary function test; and,
- any other examination deemed necessary.

The employer must maintain an accurate record for each employee, including:

- name and social security number;
- copy of medical examination;
- physician's written opinions;
- any medical complaints related to asbestos;
- maintain the record for 30 years beyond termination

Employee access to information: the employer shall provide a coy of the physician's written opinion to the employee within 30 days from its receipt.

Physicians written opinion: Employers must instruct the physician not to reveal in the written opinion given to the employer specific findings or diagnoses unrelated to occupational asbestos exposure.

RESPIRATORY PROTECTION OR-OSHA Division 3 – 1926.1101 (h)

Respirators must be worn under the following conditions:

- during the time necessary to install or implement engineering controls and work practices to bring exposures to below the PEL and/or excursion limit
- in operations where controls are not feasible i.e. maintenance and repair activities
- where controls have not reduced exposure levels below the PEL and/or excursion limit
- in emergencies
- · in all regulated areas, and
- whenever employee exposure exceeds PEL and/or excursion limit.
- Whenever employer cannot do an appropriate negative exposure assessment of an asbestos abatement project.

ASBESTOS CONTAINING BUILDING MATERIALS (ACBM) IN THIS FACILITY

ADDITIONAL ASBESTOS SAMPLE/ASSESSMENT DATA

This section reflects requirements outlined in 40 CFR 763.93 (3) (I v)

The following subsections contain this required information:

- Asbestos Sample/Material Location Diagram
- · Asbestos Sample Analysis Data

As part of the AHERA Asbestos Inspection, the location of samples collected are recorded on building diagrams. In addition to the sample locations, specific damage areas are recorded where found. The following pages provide the sample location diagrams for the School District. These drawings are organized in the same manner as the inspection/management plan data, i.e. campus one building one is first.

The title block contains the specific state, district, campus and building or code with a 12 digit number. Next is the District Name, the Campus Name and finally the Building Name. The next block provides the date the drawing was made, the street number and finally the drawing number.

SAMPLING INFORMATION/MATERIAL LOCATION DIAGRAMS (ADDITIONAL ASBESTOS MATERIAL ASSESSMENT REPORT)

A blueprint, diagram or written description of each school building that identifies clearly each location and approximate square or linear footage of homogeneous areas where material was sample for ACM.

The exact location where each bulk sample was collected.

The date of collection of each bulk sample.

The homogeneous areas where friable suspected ACBM is assumed to be ACBM.

The homogeneous areas where nonfriable suspected ACBM is assumed to be ACBM.

A description of how sampling locations were determined.

The name and signature of each accredited inspector who collected the samples.

State, accreditation number and name of training provider of each accredited inspector who collected the samples (copy of accreditation certificate is ideal)

ANALYSIS OF SUMMARY

A copy of the analyses of any bulk samples collected and analyzed.

The name and address of any laboratory that analyzed bulk samples.

A statement that any laboratory used meets the accreditation requirements of 753.87 (a) (copy of the accreditation is ideal).

The dates of any analyses performed.

The name and signature of the person performing each analysis.

A description of the assessment required by 753.88 of all friable ACBM and suspected ACBM assumed to be ACBM.

The name and signature of each accredited person making the assessment.

The State, accreditation number and name of training provider for each person making the assessments (copy of certificate is ideal)



7150 SW Fir Loop • P.O. Box 231237 • Portland. Oregon 97223 (503) 624-5827 • FAX (503) 624-5867

Periodic Surveillance Report

Campus: 006-WILLAMETTE	Building:	MAIN BLOG.
Campus: 006-WILLAMETTE Address: 1403 S.E. 12TH ST., WEST LINN	Date of surveillance:	8/26/92
'		
Person conducting surveillance:JEFF_SM	<u>[TH</u>	
The state of the s		
Material description: WRAPPED PAPER PIPE CO	NEX	·
Homogeneous area(s): USA #02, ALL FLOORS	IN BUILDING	DAMAGED
Last material condition: G000 New	materiai description:	DAMAGED
Change in material condition: [X] YES [] NO _	THE TOTAL CE	<u></u>
Material description:MJP ON WRAPPED PIPE ('OVED	
Homogeneous area(s): USA #03, ALL FLOORS	N BILLI DING	
Last material condition: GOOD New	material description:	DAMAGED
Change in material condition: M YES [] NO	N TUNNEL	DAINGED
Material description: WRAPPED PAPER PIPE CO	OVER	
Homogeneous area(s): USA #04, ALL FLOORS	N BUILDING	
Last material condition: GOOD New	material description:	SAME
Last material condition: GOOD New Change in material condition: [] YES M NO		
Material description: MJP ON WRAPPED PIPE (OVER	
Homogeneous area(s): USA #05, ALL FLOORS I	N BUILDING	
Last material condition: G000 New Change in material condition: [] YES M NO	material description:	SAME
Change in material condition: [] YES [A] NO 3	OME ABATEMENT	
Material description: WRAPPED PAPER PIPE CO	WER	
Homographous area(s). USA \$06 ALL FLOORS I	N. BUTTOTNIC	
Last material condition: GOOD New	material description:	SAME
Last material condition: GOOD New Change in material condition: [] YES NO S	AMPLES TESTED NEGATIVE	<u> </u>
onango an anatara contador. [] 125 (] 170 2		
Material description:MJP ON WRAPPED PIPE C		
Homogeneous area/r): USA #07. ALL FLOORS I	N BUILDING	
Last material condition: NONE New	material description:	GOOD CONDITION
Last material condition: NONE New Change in material condition: [] YES [NO S	OME ABATEMENT	
Material description: ACOUSTICAL TILE (1X1)		
Homogeneous area(s): USA #8, BASEMENT		
Last material condition: NONE New	material description:	GOOD CONDITION
Change in material condition: [] YES [X] NO S	AMPLE TESTED NEGATIVE	
Commence RACEMENTS N N DIDT COAN COACE	· ACM DERBIG TURONOMO	4-m² ·
Comments: <u>BASEMENT: N.W. DIRT CRAWL SPACE</u> N.W. CUSTODIAN RM: ENCAPSULATION COMING O	FE AM END OF OVERHEAD	DIDE AT WALL
W. CUSTODIAN CLOSET'S DIRT CRAWL SPACE: A		PIPE, AT WALL.
ROOM 16 TUNNEL ACCESS: ACM INSULATION DAM		OF THINNEL
NOTE TO TOTALL MODEST, MAIL INSOCATION DATE	AGED, CEBRIS ON FEOOR	OF TOTALCE.
.11/2		
Signature:	Date:8/26/92	
JEFFERY SMITH		



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Periodic Surveillance Report

Campus: 006-WILLAMETTE	Building:	MAIN BLDG.
Address: 1403 S.E. 12TH ST., WEST LINN	Date of surveillance:	8/26/92
Person conducting surveillance: JEFF	SMITH	
•		
Material description: DROP OR LAY-IN PA	NEL	<u> </u>
Homogeneous area(s): USA #09, ALL FLOO	R IN BUILDING	COOK COKING I
Last material condition: NONE Change in material condition: [] YES [] No	New material description:	GOOD CONDITION
Change in material condition: [] YES [] N	O SAMPLE TESTED NEGATIVE	
Material description: ACOUSTICAL/THERMA	L PLASTER	
Homogeneous area(s): USA #10, FIRST FL	,00R	
Last material condition: GOOD	New material description:	SAME
Last material condition: GOOD Change in material condition: [] YES [X] No.	O ABATED	
Material description:ACOUSTICAL/THERMA	U PLASTER	
Homogeneous area(s): USA #11, FIRST FL	COR	
Last material condition: GOOD	New material description:	SAME
Last material condition: GOOD Change in material condition: [] YES [X] No.	O ABATED	
Material description: ACOUSTICAL/THERMA	L PLASIER	· · · · · · · · · · · · · · · · · · ·
Hornogeneous area(s): USA #12, BASEMENT	New motorial description:	SAME
Last material condition: GOOD Change in material condition: [] YES [] NO	O ARATEN	
Charge in material condition. [] 123 [] 140	O NONTED	
Material description: ACOUSTICAL/THERMA	AL PLASTER	
Homogeneous area(s): USA #13, BASEMENT		
Last material condition: GOOD	New material description:	SAME
Change in material condition: [] YES [] NO	O ABATED	
Material description: FIREPROOFING		
Hornogeneous area(s): USA #14. FIRST FL	OOR	
Last material condition: GOOD	New material description:	SAME
Change in material condition: [] YES [NO	ABATED	
Material description: DROP OR LAY-IN PA	NIET .	
THE COURT COSCIPCION		
		GOOD CONDITION
Last material condition: NONE 1	New material description:	
Change in material condition: [] YES [NO	3A EL 123 (LD 1423A 1142	·
Comments: ROOM #15; TUNNEL ACCESS (TWO	OF THEM): ACM ON PIPING	DAMAGED
AND DEBRIS THROUGHOUT TUNNEL.		
MAIN FLOOR: W. FRONT ENTRANCE CLOSET N	EXT TO WATER FOUNTAIN: ON	E DAMAGED
ELBOW S. OF DOOR, IN CLOSET, AT FLOOR	LEVEL.	
1, \		
Signature:	Date: 8/26/92	
JEFFERY SMITH		
, <i>y</i> was the state of the stat		



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Periodic Surveillance Report

Campus: 006-WILLAMETTE	Building:	MAIN BLDG.
Address: 1403 S.E. 12TH ST., WEST LINN	Date of surveillance:	8/26/92
Person conducting surveillance:	MITH	
Material description: VINYL FLOOR TILE		
Homogeneous area(s): USA #99, ALL FLOORS		
Last material condition: GOOD New	w material description:	SAME
Change in material condition: [] YES [] NO		
Material description: BOILER		
Homogeneous area(s): USA #1, BOILER ROOM		
Last material condition: GOOD Nev	w material description:	SAME
Change in material condition: [1 YES [X NO	ABATED	
1.10104101 000411P0011		<u>_</u>
Homogeneous area(s): USA #1, BUILER ROOM		C 434E
Last material condition: GOOD Nev	w material description:	SAME
Change in material condition: [] YES [] NO	ABATED	
Material description: PIPING		
Homogeneous area(s). USA #1, BOILER ROOM		<u></u>
Last material condition: GOOD New	w material description:	SAME
Change in material condition: [1] YES [J] NO	ABATED	
ζ, , , , , , , , , , , , , , , , , ,		
Material description:TANK		. <u></u>
Homogeneous area(s): USA #1. BOILER ROOM		
Homogeneous area(s): USA #T, BOILER ROOM Last material condition: GOOD New material description: SAME Change in material condition: [] YES [] NO ABATED Material description: PIPING Homogeneous area(s): USA #T, BOILER ROOM Last material condition: GOOD New material description: SAME Change in material condition: [] YES [] NO ABATED Material description: TANK Homogeneous area(s): USA #1, BOILER ROOM Last material condition: GOOD New material description: SAME Change in material condition: [] YES [] NO ABATED Material description: WRAPPED PIPE COVER Homogeneous area(s): USA #50, TEACHER WORK AREA & ROOM #19 Last material condition: GOOD New material description: SAME Change in material condition: USA #50, TEACHER WORK AREA & ROOM #19 Last material condition: GOOD New material description: SAME Change in material condition: [] YES [] NO SAME		
Change in material condition: [] YES [] NO _	ABATED	
Material description: WRAPPED PIPE COVER		
Homogeneous area(s): USA #50 TEACHER WOR	EK AREA & ROOM #19	<u>.</u>
Last material condition: G000 New	v material description:	SAME
Change in material condition: [] YES [X NO	w material description.	<u> </u>
Material description: MJP ON WRAPPED PIPE	COVER	
Homogeneous area(s): USA #51, TEACHER WO	ORK AREA & ROOM #19	
Last material condition: GOOD Nev	v material description:	SAME
Change in material condition: [] YES [] NO _		
Comments:		
<u> </u>		
	0.105.105	
Signature:	Date:8/26/92	<u></u>
JEFFERY SMITH		

ASBESTOS SAMPLE / MATERIAL LOCATION DIAGRAM

ASBESTOS SAMPLE ANALYSIS DATA



Environmental Safety & Health Services

COMPANY: WEST LINN WILSONVILLE SCHOOL DISTRICT

FACILITY: WILLAMETTE PRIMARY

INSPECTION DATES: 8/14/01

ASBESTOS SURVEY

REPORT DATE: August, 2001 INSPECTOR: Darren Lee **CERT. NUMBER: OR-00-6082**

NVLLAP CERT: 101882-0

ASBESTOS INVESTIGATIVE REPORT

Sample #:	Material Description:	Sample Location:	HSA#	Total Asbestos:
WP-01	Ceiling Tile (1x1) white	Classroom # 20	01	0%
WP-02	Ceiling Tile (1x1) white	Classroom # 20	01	0%
WP-03	Ceiling Tile (1x1) white	Classroom # 20	01	0%
WP-04	Ceiling Plaster, above Ceiling Tile (1x1) white	Classroom # 20	02	0%
WP-05	Ceiling Plaster, above Ceiling Tile (1x1) white	Classroom # 20	02	0%
WP-06	Ceiling Plaster, above Ceiling Tile (1x1) white	Classroom # 20	02	0%

NOTE: HSA numbers represent homogeneous materials or materials which appear similar in construction and matrix.

Page: 1

GLADER	EHS 08-01-2542
ENVIR MMENTAL	P.O. Box 519 - Gladstone, OR 97027

CHAIN 6. CUSTODY

			- #
Page	<u> </u>	of	

82101 930

THE PERSON NAMED IN	e:	Q =		SAMPLE TYPE ASHESTOS PLM (note) PLM (stir) POSitive stop LEAD AA Flame (stir) TCLP PA 200/500 Series (Dainkling Water)		iAMPLE TUI El Standard El Priority Rush	(2-1 hour)	P.O. Ni Project Date Sa Date Si	lient Number: umber: Number: 01 nmpled: 01/4 ubmitted:01/4 structions:	10Z 1/01	
Sample ID	Date	Positiva Stop	Sample De	scription		Samp	ole Location	Qı	nantity (SF/LF)	Volume	Result
WP-01	8-14-01	*	CEILING TILE (1	× /)		Rom	# 20				
WP-07 WP-03	-1	<u> </u>	н , р								
WP-03	+(1	11 11	11			11				
NP-04	11	濼	PLASTER (CEILING	·)	£	200/					
WP-05	11		<u> </u>	,	-	<u>ij</u>	÷l				
WP-06		_ <u>\</u> _	11 11	11		1(1(
											
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			Acceptable								<u>-</u>
											
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	Sampled By: (S	Sign	Relinquish	ar By: (Signi)	Date	Time	Recie	wed By: (S	3ígn)	Date	Time
	/. /		Z-X	8	14	11:3Gan	>	0-			

LAB:

Certificate of Completion

This is to certify that

Darren D. Lee

has satisfactorily completed 4 hours of refresher training as a

Building Inspector

in compliance with TSCA Title II

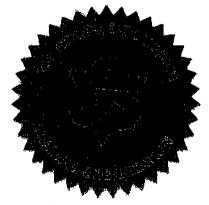
AHERA Accredited

October 25, 2000

Training Coordinator

Date Expires Oct 25, 2001





Cert. # 00-6082 Conducted at: Pac Pro Safety & Health Services

Prezant Associates, Inc. • 330 Sixth Avenue North, Suite 200 • Seattle, Washington 98109 • (206) 281-8858

United States Department of Commerce National Institute of Standards and Technology



150/JEC GUIDE 25:1990

150 9002:1987

Certificate of Accreditation



is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 205 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Coide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for:

BULK ASBESTOS FIBER ANALYSIS

December 31, 2001

The trey through

Pavid I. alderman

For the National Institute of Sandards and Technology

NVLAP Lab Code: 101882-0

National Institute of Standards and Technology



National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990 ISO 8002:1987

Scope of Accreditation



Page: 1 of 1 NVLAP LAB CODE 101882-0

BULK ASBESTOS FIBER ANALYSIS

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 White Pine Road Richmond, VA 23237 Ms. Irma Faszewski

Phone: 804-275-4788 Fax: 804-275-4907 E-Mail: managerqaqc@leadlab.com

NV.LAP Code

Designation

18/A01°

EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk

Insulation Samples

December 31, 2001

Effective through

Pavid I alderman

For the National Institute of Standards and Technology

PERIODIC SURVEILLANCE

This section reflects requirements outlined in 40 CFR 763.92 (3) (b) (2) (i-iii)

ACTION: Check the condition of the asbestos-containing materials (ACM) at least every 6

months.

TRAINING: None required; O & M or Inspector suggested.

FORM: Use the form included in this Section.

A well-run asbestos management program must include periodic surveillance of the ACBM. Periodic surveillance is the scheduled observation of asbestos materials to determine if any damage or deterioration occurred since the previous observation. Because much of the ACBM is observed daily by the school staff during normal work and also because many areas are not accessible, slight changes in the condition of the ACBM occurring over time may not be readily apparent.

Some building owners conduct monthly surveillance. AHERA requires surveillance in K-12 schools at no greater than six month intervals, and this is a prudent minimal frequency for any Owner. This periodic surveillance can save the building owner considerable time money, and embarrassment in the event of ACBM deterioration or damage. Moreover, properly conducted surveillance provides a great deal of comfort to building workers and occupants.

SURVEILLANCE PERSONNEL:

AHERA establishes no training requirements for the persons conducting the periodic surveillance. Any employee or contractor selected by the Asbestos Program Coordinator is allowed to conduct the surveillance. Three Rivers Environmental Inc. recommends that the observer either take a 16-hour Operations and Maintenance course or a 3-day inspector course. The individual should be knowledgeable of the building's construction, previous inspections and surveillances, generation of records, conditions to be observed, and personal protections. It is the Owner's responsibility to ensure that the surveillance does not cause an exposure of safety problem for the person conducting this activity.

DATA REQUIREMENTS:

All areas with ACBM or suspected ACBM must be visually examined in each periodic surveillance. A record of the surveillance date and the person conducting the surveillance, as well as any changes in ACBM conditions, must be recorded. This requires the person to be knowledgeable of earlier ACBM conditions. The records generated by this periodic inspection must be filed in the Management Plan at the Owner's administrative office. It is recommended that the reports to be filed in the administrative office be submitted to the Asbestos Program Coordinator for review.

SURVEILLANCE CONCERNS:

The person conducting the periodic surveillance must observe the same major factors that were observed in the original inspection and that were used to assess the material's conditions. The six items to be evaluated are:

- -- Deterioration or delamination of the materials.
- -- Physical damage to the material or adjacent areas.
- -- Water damage of any material in the area.
- -- Air-stream effects
- -- Exposure, accessibility and activity changes.
- -- Changes in building use.

PERIODIC SURVEILLANCE

RECORDKEEPING:

File Periodic Surveillance Reports under TAB 8 and utilize the appropriate form.

COMMUNICATIONS:

Any changes in conditions or notable circumstance should be communicated to the Asbestos Program Coordinator. The updated information is to be included in the Management Plan and in the annual notification letters.

AHERA

Six Month Periodic Surveillance

WEST LINN SCHOOL DISTRICT #3Jt

OF

Willamette Primary School 1403 S.E. 12th Street West Linn, OR 97068

Project No. 1020-109

ROBERT C. MONTHOMERY AHERA Inspector

POBERT C. WOUTGOMERY Management Planner

Signature & Date

CMalgruseur 5-17.00 #98-092/2, CRE re & Date Certification # & State

Prepared by:

P.O. Box 216 Gladstone, OR 97027 Phone (503) 557-2396 Fax (503) 557-3025

Page #: 1 of 3

Client: West Linn School District TRE Job#: 1020-109

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: May 2000

Person Conducting Surveillance: Robert Montgomery

Material Description: Boiler/Tank Insulation/Mechanical Insulation

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Boiler/Tank Insulation/Mechanical Insulation

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/MJP on Pipe Covering

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/Wrapped Paper Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/Wrapped Paper Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Page #: 2 of 3

Client: West Linn School District TRE Job#: 1020-109

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: May 2000

Person Conducting Surveillance: Robert Montgomery

Material Description: Low Pressure Steam/Pipe Covering

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/Wrapped Paper Pipe Cover

Homogeneous area(s): HK USA #02

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #03

'ast Material Condition: Good New Material Description: Same

Jhange in material condition: No

Material Description: Domestic Hot Water/Wrapped Paper Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No.

Material Description: Domestic Hot Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #05

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/MJP on Wrapped Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical/Thermal Plaster

Homogeneous area(s): HK USA #10

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical/Thermal Plaster

Homogeneous area(s): HK USA #07

Last Material Condition: Good New Material Description: Same

Page #: 3 of 3

Client: West Linn School District TRE Job#: 1020-109

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: May 2000

Person Conducting Surveillance: Robert Montgomery

Material Description: Acoustical Thermal Plaster

Homogeneous area(s): HK USA #12

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical Thermal Plaster

Homogeneous area(s): HK USA #13

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Fireproofing Homogeneous area(s): HK USA #14

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Vinyl Floor Tile Homogeneous area(s): HK USA #99

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: TSI Hard Fittings

Homogeneous area(s): 1 sq. ft., 1 damaged hard fitting, wall intrusion, cracks at hanger loctn.

Last Material Condition: Good New Material Description: Same

THREE RIVERS ENVIRONMENTAL, Inc.

June 2, 2000

West Linn-Wilsonville School District Attention: Tim Woodley P.O. Box 35 West Linn, OR 97068

Dear Mr. Woodley,

Three Rivers Environmental, Inc. appreciates the opportunity that we had to conduct your AHERA Re-inspection of asbestos containing building materials. This reinspection consisted of the review and updating of all AHERA records under current regulatory guidelines and the inspection and assessment of all asbestos containing materials in eight schools with addition of the Administration Building within West Linn-Wilsonville School District. The review of all AHERA records and the assessments of all asbestos containing building materials were performed by an accredited AHERA Building Inspector and Management Planner.

The following are the "Areas of Concern" for each individual school and the materials that were located that are in need of immediate attention.

West Linn High School-

Material:

TSI hard fittings, mag lines over corrugated pipe covering

Assessment noted: 50 hard fittings, 40 in. ft. under S. wing of high school

Recommended Response Action: Immediately isolate, restrict access, clean-up

debris and maintain in an intact and

undamaged condition.

Material:

MJP on pipe covering (12" O.D.)

Assessment noted:

1 sq. ft. TSI damaged exposed in gym (E. side above

landing)

Recommended Response Action:

Repair and maintain in an intact and

undamaged condition.

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West Linn High School cont.

Material:

Sheet vinyl

Assessment noted:

290 sq . ft torn sheet vinyl between cafeteria & stairs to

commons area

Recommended Response Action: Abate, repair flooring and replace

Willamette Primary-

Material:

TSI hard fittings

Assessment noted:

1 sq. ft., 1 damaged hard fitting, wall intrusion, cracks at

hanger location.

Recommended Response Action: Repair and maintain in an intact and

undamaged condition.

Wilsonville Primary-

Material:

Floor tile, 12x12

Assessment noted:

7 ln. or sq. ft. of tile cracked severely at stress line.

Recommended Response Action: Remove and repair damaged tiles and

maintain in an intact and undamaged

condition.

Inza R. Wood Primary-

Material:

Hard fitting, mag

Assessment noted:

I hard fitting slightly damaged in mechanical room

Recommended Response Action: Repair and maintain in an intact and

undamaged condition.

West Linn High School (Bolton Campus)-

Material:

Corrugated pipe covering

Assessment noted:

1 sq. ft. exposed TSI pipe covering in basement storage

room

Recommended Response Action:

Repair and maintain in an intact and

undamaged condition.

Cedar Oak Park Primary-

Material:

Vibration joint cloth

Assessment noted: 2 sq. ft. damaged corners in fan room (West)

Recommended Response Action: Remove or repair and maintain in an intact

and undamaged condition.

Material:

TSI air cell piping

Assessment noted: 1 sq. ft. damaged TSI in boiler room, S. wall

Recommended Response Action: Remove or repair and maintain in an intact

and undamaged condition.

Administration Building-

Material:

Woven paper tape

Assessment noted: 8 sq. ft. of damaged paper tape on walls in boiler room

Recommended Response Action: Repair or replace and maintain in an intact

or undamaged condition.

AHERA

Periodic Surveillance Report

for

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3JT

WILLAMETTE PRIMARY

1403 SE 12th Street West Linn, OR

Project No. 1020-40

April 1999

Prepared by

THREE RIVERS ENVIRONMENTAL

P.O. Box 216 Arlington Gladstone, Oregon 97027 (503) 557-2396

Page #: 1 of 3

Client: West Linn School District TRE Job#: 1020-40

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: April 1999

Person Conducting Surveillance: Matthew Johnson

Material Description: Boiler/Tank Insulation/Mechanical Insulation

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Boiler/Tank Insulation/Mechanical Insulation

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/MJP on Pipe Covering

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/Wrapped Paper Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/Wrapped Paper Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Page #: 2 of 3

Client: West Linn School District TRE Job#: 1020-40

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: April 1999

Person Conducting Surveillance: Matthew Johnson

Material Description: Low Pressure Steam/Pipe Covering

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/Wrapped Paper Pipe Cover

Homogeneous area(s): HK USA #02

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #03

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/Wrapped Paper Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #05

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/MJP on Wrapped Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical/Thermal Plaster

Homogeneous area(s): HK USA #10

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical/Thermal Plaster

Homogeneous area(s): HK USA #07

Last Material Condition: Good New Material Description: Same

Page #: 3 of 3

TRE Job#: 1020-40 Client: West Linn School District

Campus: Willamette Primary

Building: Main

Address: 1403 SE 12th Street Date of Surveillance: April 1999

Person Conducting Surveillance: Matthew Johnson

Material Description: Acoustical Thermal Plaster

Homogeneous area(s): HK USA #12

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical Thermal Plaster

Homogeneous area(s): HK USA #13

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Fireproofing Homogeneous area(s): HK USA #14

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Vinyl Floor Tile Homogeneous area(s): HK USA #99

Last Material Condition: Good New Material Description: Same

Signature		
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ASBESTOS ABATEMENT SUMMARY Work Order No.: /020-47

Job Location: Williamoffe PRimary School Floor. Ground Basement
Project: Lower Level Gials Rest Rooms / Lower Level MECHANICAL Am
Tunnel Ace esses INRM 15 916, RM #19 SPESSARM : Stronge RM.
For pipe provide: Total linear feet 230 and pipe size 4"-2"
For other materials provide: Total square feet:
Type of ACM: TS/ - 40 H.F.
Start Date: June 21 1999 Completion Date: July 2 1999
Methods to Control Emissions: 150/47/ON, WET METHODS, FULL CONSIN MONT
Give name of Contractor of Subcontractor:
Name: /NSULATION REMOVAL SPECIALIST
Address: 755 SW DENNIS Ave.
City: Hills boro State: OR Zip: 97123
Phone: 503 693-6388 Contact person: BRUCE Korum
Name of Monitoring Lab: THREE RIVERS ENVIRONMENTAL
Anticipated Disposal Site: HILLS boco LAND FILL
Supervisor in charge of job: ROW CHAVEZ
Project Manager: MATT Johnson
Name: MATT Johnson Date: 6-21-99 Thoma: 557-2396
Asbestos Program Manager: Joe Simmons
Name: Tan C. Date: Phone: Soz 1/39 - 8869

Attach pre-abatement and post-abatement air sample results

Joe Simmons
West Linn-Wilsonville School District
Administration Building
P.O. Box 35
West Linn, OR 97068

Subject: AHERA 6 Month Reinspection Areas of Concern:

Dear Mr. Simmons:

Three Rivers Environmental has completed the AHERA 3 Year Reinspection. The list below are areas that need to be addressed in the Operation and Maintenance Plan and scheduled for repair or removal:

Bolton Middle School:

Boiler Room: 3 sq. ft. previous encapsulation delaminating needs

bridging.

Custodial Office: 1 sq. ft. exposed piping.

1 sq. ft. exposed seam.

Hallway/Storage 2 sq. ft. previous encapsulation delaminating needs

(N. of boiler room) bridging.

Weight Room: 1 sq. ft. damaged Hard Fitting.

1 sq. ft. exposed seam.

West Linn High School:

Boiler Room: 3 sq. ft. exposed boiler insulation with debris.

2 sq. ft. exposed cold water piping.

Willamette Primary:

Elect. Room Below Cafe: 1 sq. ft. exposed Hard Fitting.

Inza R. Wood:

Kitchen Supply Closet: 2 sq. ft. damaged Hard Fittings.

Should you have questions or comments, please contact me at your convenience.

Respectfully submitted,

Jeff Smith

Three Rivers Environmental

AHERA

Periodic Surveillance Report

for

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3JT

WILLAMETTE PRIMARY

1403 SE 12th Street West Linn, OR

Project No. 1020-12

August 1997

Prepared by

P.O. Box 216 Gladstone, Oregon 97027 (503) 557-2396

Page #: 1 of 3

Client: West Linn School District TRE Job#: 1020-12

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: August 1997

Person Conducting Surveillance: Glenn Bryant

Material Description: Boiler/Tank Insulation/Mechanical Insulation

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Boiler/Tank Insulation/Mechanical Insulation

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/MJP on Pipe Covering

Homogeneous area(s):

ast Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/Wrapped Paper Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/Wrapped Paper Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Page #: 2 of 3

Client: West Linn School District TRE Job#: 1020-12

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: August 1997

Person Conducting Surveillance: Glenn Bryant

Material Description: Low Pressure Steam/Pipe Covering

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/Wrapped Paper Pipe Cover

Homogeneous area(s): HK USA #02

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #03

Last Material Condition: Good New Material Description: Same

hange in material condition: No

Material Description: Domestic Hot Water/Wrapped Paper Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #05

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/MJP on Wrapped Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical/Thermal Plaster

Homogeneous area(s): HK USA #10

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical/Thermal Plaster

Homogeneous area(s): HK USA #07

Last Material Condition: Good New Material Description: Same

Page #: 3 of 3

TRE Job#: 1020-12 Jient: West Linn School District

Campus: Willamette Primary

Building: Main

Address: 1403 SE 12th Street

Date of Surveillance: August 1997

Person Conducting Surveillance: Glenn Bryant

Material Description: Acoustical Thermal Plaster

Homogeneous area(s): HK USA #12

Last Material Condition: Good

New Material Description: Same

Change in material condition: No

Material Description: Acoustical Thermal Plaster

Homogeneous area(s): HK USA #13

Last Material Condition: Good

New Material Description: Same

Change in material condition: No

Material Description: Fireproofing Homogeneous area(s): HK USA #14

Last Material Condition: Good

New Material Description: Same

hange in material condition: No

Material Description: Vinyl Floor Tile Homogeneous area(s): HK USA #99

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Signature _GB.

AHERA

Periodic Surveillance Report

for

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3JT

WILLAMETTE PRIMARY

1403 SE 12th Street West Linn, OR

Project No. 1020-10

February 1997

Prepared by

P.O. Box 216 Gladstone, Oregon 97027 (503) 557-2396

Page #: 1 of 3

Client: West Linn School District TRE Job#: 1020-10

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: Feb. 1997

Person Conducting Surveillance: Jeff Smith

Material Description: Boiler/Tank Insulation/Mechanical Insulation

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Boiler/Tank Insulation/Mechanical Insulation

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/MJP on Pipe Covering

Homogeneous area(s):

ast Material Condition: Good New Material Description: Same

change in material condition: No.

Material Description: Domestic Hot Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/Wrapped Paper Pipe Cover

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/Wrapped Paper Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Page #: 2 of 3

Jilent: West Linn School District TRE Job#: 1020-10

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: Feb. 1997

Person Conducting Surveillance: Jeff Smith

Material Description: Low Pressure Steam/Pipe Covering

Homogeneous area(s): HK USA #01

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/Wrapped Paper Pipe Cover

Homogeneous area(s): HK USA #02

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Low Pressure Steam/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #03

Last Material Condition: Good New Material Description: Same

nange in material condition: No

Material Description: Domestic Hot Water/Wrapped Paper Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Hot Water/MJP on Wrapped Pipe Cover

Homogeneous area(s): HK USA #05

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Domestic Cold Water/MJP on Wrapped Pipe Cover

Homogeneous area(s):

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical/Thermal Plaster

Homogeneous area(s): HK USA #10

Last Material Condition: Good New Material Description: Same

Change in material condition: No

aterial Description: Acoustical/Thermal Plaster

Homogeneous area(s): HK USA #07

Last Material Condition: Good New Material Description: Same

Page #: 3 of 3

_.ient: West Linn School District TRE Job#: 1020-10

Campus: Willamette Primary Building: Main

Address: 1403 SE 12th Street Date of Surveillance: Feb. 1997

Person Conducting Surveillance: Jeff Smith

Material Description: Acoustical Thermal Plaster

Homogeneous area(s): HK USA #12

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Acoustical Thermal Plaster

Homogeneous area(s): HK USA #13

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Material Description: Fireproofing Homogeneous area(s): HK USA #14

Last Material Condition: Good New Material Description: Same

hange in material condition: No

Material Description: Vinyl Floor Tile Homogeneous area(s): HK USA #99

Last Material Condition: Good New Material Description: Same

Change in material condition: No

Signature

AHERA

Three Year Asbestos Reinspection

for

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3JT

WILLAMETTE PRIMARY

1403 SE 12th Street West Linn, OR

Project No. 1020-15

September 1998

Prepared by

P.O. Box 216, Gladstone, Oregon 97207 (503) 557-2396 Fax (503) 557-3025

REINSPECTIONS

This section reflects requirements outlined in 40 CFR 763.85 (b) (l) through (c)

ACTION: Reinspection is recommended every 3 years.

TRAINING: Accredited Inspector/Management Planner.

Decide if you will train in-house people or not.

FORM: Update management plan using Inspector's report format.

At least once every three years, after the Management Plan is in effect, all buildings should be reinspected by an accredited Inspector. This differs from the periodic surveillance and is more comprehensive because the material is actually touched to determine friability or change in friability, along with noting assessment criteria such as condition. The reinspection may also include additional samples of suspect material, accessing previously inaccessible areas, and other activities. The person performing these tasks should, at least, be an accredited Inspector. An accredited Management Planner may be necessary to recommend additional response actions.

The decisions an LEA must make prior to this reinspection is to either train their in-house staff to perform the reinspection or utilize an outside consultant.

The AHERA-accredited Inspector training course is three days long, with a 50-question exam that must be passed. An AHERA Management Planner training course is an additional two days with another 50-question exam. If a person is presently an accredited Inspector or Management Planner, they must have an annual refresher course to keep their accreditation current.

RECORDKEEPING:

Keep the reinspection records in this TAB section, along with any new data. New sample locations should be noted on copies of the drawings in TAB 7, and then filed in this section.

AHERA

Three Year Asbestos Reinspection

WEST LINN SCHOOL DISTRICT #3Jt

OF

Willamette Primary School 1403 S.E. 12th Street West Linn, OR 97068

Project No. 1020-68

Prepared by:

ENVIRONMENTAL, Inc.

P.O. Box 216 Gladstone, OR 97027 Phone (503) 557-2396 Fax (503) 557-3025

Material: Boiler/tank insulation/mechanical insulation, USA 01

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Tank; DHW tank W. side

Quantity: Approximately 275 sq. ft. mechanical insulation

Potential for disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Boiler/tank insulation/mechanical insulation, USA 01

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Boiler, S.E. corner

Quantity: Approximately 350 sq. ft.

Potential for disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material:

Low pressure steam/MJP on pipe covering

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Joints; W. side of tank

Quantity: Approximately 8 ln. ft.-14 in. O.D. low pressure steam

30 ln. ft.-6 in. O.D. low pressure steam

Potential for disturbance:

Potential for contact:

Effect of vibration:

Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes

Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Domestic hot water/MJP on wrapped paper pipe cover USA 01

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Joints; N.W. corner over stairs

Quantity: Approximately 45 ln. ft.-4 in. O.D. domestic hot water

Potential for disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Domestic cold water/MJP on wrap paper pipe cover USA 01

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Joints: DHW tank S. side

Quantity: Approximately 35 ln. ft.-4 in. O.D. domestic cold water

Potential for disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Domestic cold water/wrapped paper pipe cover, USA 01

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Piping; DHW tank S.W. corner

Quantity: Approximately 200 ln. ft.-4 in. O.D. domestic cold water

Potential for disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Domestic hot water/wrapped paper pipe cover

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Piping, N.W. corner over stairs

Quantity: Approximately 200 ln. ft.-4 in. O.D. domestic hot water

Potential for disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Low pressure steam/wrapped paper pipe cover, USA 02

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Piping, W. side of tank

Quantity: Approximately 35 ln. ft.-14 in. O.D. low pressure steam

250 ln. ft.-6 in. O.D. low pressure steam

Potential for disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Low pressure steam/wrapped paper pipe cover, USA 02

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: All floors in building

Quantity: Approximately 50 ln. ft.-4 in. O.D.

100 ln. ft.-6 in. O.D.

Potential for disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: yes

Assessment noted: Abated Summer 199

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Low pressure steam/wrapped paper pipe cover, USA 02

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: All floors in building

Quantity: Approximately 30 ln. ft.-4 in. O.D.

20 ln. ft.-6 in. O.D.

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: yes

Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category: . .

Material: Domestic hot water/wrapper paper pipe cover

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: All floors in building

Quantity: Approximately 225 ln. ft-4 in. O.D.

Potential for disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Domestic hot water/MJP on wrapped pipe cover, USA 05

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: All floors in building

Quantity: Approximately 120 ln. ft.-4 in. O.D.

Potential for disturbance:

Potential for contact:
Effect of vibration:
Potential for air crosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Domestic cold water/MJP on wrapped pipe cover

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: All floors in building

Quantity: Approximately 76 ln. ft.-4 in. O.D.

Potential for disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Acoustical/thermal plaster, USA 10

Description: Surfacing

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: First floor

Quantity: Approximately 4,960 sq. ft.-some removed

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: Any remaining friable ACBM or friable surfacing ACBM

Recommended response action: Reassess quantity and location, maintain in an intact

and undamaged condition.

Material:

Acoustical/thermal plaster, USA 11

Description: Surfacing

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: First floor

Quantity: Approximately 900 sq. ft.

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: Any remaining friable ACBM or friable surfacing ACBM

Recommended response action: Reassess quantity and location, maintain in an intact and undamaged condition.

Material: Acoustical/thermal plaster

Description: Surfacing

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Basement

Quantity: Approximately 3,300 sq. ft.

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: Any remaining friable ACBM or friable surfacing ACBM

Recommended response action: Reassess quantity and location, maintain in an intact

and undamaged condition

Material: Acoustical/thermal plaster, USA 13

Description: Surfacing

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Basement

Quantity: Approximately 700 sq. ft.

Potential for disturbance:

Potential for contact: low
Effect of vibration: low
Potential for air presions lo

Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: Any remaining friable ACBM or surfacing material

Recommended response action: Reassess quantity and location, maintain in an

undamaged and intact condition.

Material: Fireproofing, USA 14

Description: Surfacing

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: First floor

Quantity: Approximately 250 sq. ft.

Potential for disturbance:

Potential for contact:
Effect of vibration:
Potential for air erosion:

Overall condition:

Change in condition from last inspection: yes
Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for significant damage

New AHERA category:

Material: HHWS/wrapped pipe cover, USA 50

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Teacher work area & rm. 19

Quantity: Approximately 85 ln. ft.-6 in. O.D.

25 ln. ft.-4 in. O.D.

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: yes

Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: HHWS/MJP on wrapped pipe cover, USA 51

Description: TSI

Sampled or Assumed: Sampled

Friable or Non-Friable: Friable

Locations: Teacher work area & rm. 19

Quantity: Approximately 12 ln. ft.-6 in. O.D.

12 ln. ft.-4 in. O.D.

Potential for disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: yes

Assessment noted: Abated Summer 1999

Previous AHERA category: ACBM with potential for damage

New AHERA category:

Material: Vinyl floor tile, USA 99

Description: Miscellaneous

Sampled or Assumed: Sampled

Friable or Non-Friable: Non-friable

Locations: All floors in building

Quantity: Approximately 45,000 sq. ft.

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: ACBM with potential for damage

Recommended response action: Reassess quantity and location, maintain in an intact

and undamaged condition.

Drywall taping compound Material:

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Friable

Locations: Throughout school

Quantity: Not quantified

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: ACBM with potential for damage

Recommended response action: Maintain in an intact and undamaged condition,

Material: Sheet vinyl mastic

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Non-friable

Locations: Under sheet vinyl, various locations throughout school

Quantity: Not quantified

Potential for disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: ACBM with potential for damage

Recommended response action: Maintain in an intact and undamaged condition,

Material: Sheet vinyl

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Non-friable

Locations: Various locations throughout school

Quantity: Not quantified

Potential for disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: ACBM with potential for damage

Recommended response action: Maintain in an intact and undamaged condition,

Window putty Material:

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Non-friable

Locations: Throughout school (on exterior windows)

Quantity: Not quantified

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: ACBM with potential for damage

Recommended response action: Maintain in an intact and undamaged condition,

Material: Fire doors

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Non-friable

Locations: Throughout school

Quantity: Not quantified

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: ACBM with potential for damage

Recommended response action: Maintain in an intact and undamaged condition,

Material: Cove base mastic

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Non-friable

Locations: Throughout school

Quantity: Not quantified

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: ACBM with potential for damage

Recommended response action: Maintain in an intact and undamaged condition,

Material: Chalkboards

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Non-friable

Locations: In classrooms throughout school

Quantity: Not quantified

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: ACBM with potential for damage

New AHERA category: ACBM with potential for damage

Recommended response action: Maintain in an intact and undamaged condition,

Material: Paint, interior

Description: Surfacing

Sampled or Assumed: Assumed

Friable or Non-Friable: Friable

Locations: Various locations throughout school

Quantity: Not quantified

Potential for disturbance:

Potential for contact: high Effect of vibration: low

Potential for air erosion: moderate

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: Any remaining friable ACBM or friable suspect ACBM

New AHERA category: Any remaining friable ACBM or friable suspect ACBM

Recommended response action: Maintain in an intact and undamaged condition,

Material: Electrical wire casing

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Friable

Locations: Stage lights

Quantity: Not quantified

Potential for disturbance:

Potential for contact: low Effect of vibration: low Potential for air erosion: low

Overall condition: good

Change in condition from last inspection: no Assessment noted:

Previous AHERA category: Any remaining friable ACBM or friable suspect ACBM

New AHERA category: Any remaining friable ACBM or friable suspect ACBM

Recommended response action: Maintain in an intact and undamaged condition, conduct six-month inspection cycle

Material: Drop-in ceiling tile

Description: Miscellaneous

Sampled or Assumed: Assumed

Friable or Non-Friable: Friable

Locations: Various locations throughout school

Quantity: Not quantified

Potential for disturbance:

Potential for contact: moderate

Effect of vibration: low

Potential for air erosion: moderate

Overall condition: good

Change in condition from last inspection: no

Assessment noted:

Previous AHERA category: Any remaining friable ACBM or friable suspect ACBM

New AHERA category: Any remaining friable ACBM or friable suspect ACBM

Recommended response action: Maintain in an intact and undamaged condition,

Material: Boiler/Tank Insulation/Mechanical Insulation, USA 01

Description: TSI, Sampled, Friable

Locations: Tank; DHW Tank South Side

Quantity: Approximately 275 sq. ft. Mechanical Insulation-Removed

Potential For Disturbance:

Potential for contact:

Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Boiler/Tank Insulation/Mechanical Insulation, USA 01

Description: TSI, Sampled, Friable

Locations: Boiler; South East Corner

Quantity: Approximately 350 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Low Pressure Steam/MJP on Pipe Covering

Description: TSI, Sampled, Friable

Locations: Joints; West Side of Tank

Quantity: Approximately: 8-14 in. O.D. Low Pressure Steam-Removed

30-6 in. O.D. Low Pressure Steam-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Hot Water/MJP on Wrapped Pipe Cover, USA 01

Description: TSI, Sampled, Friable

Locations: Joints; NW Corner Over Stairs

Quantity: Approximately 45-4 in. O.D. Domestic Hot Water-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Cold Water/MJP on Wrapped Pipe Cover, USA 01

Description: TSI, Sampled, Friable

Locations: Joints; DHW Tank S. Side

Quantity: Approximately 35-4 in. O.D. Domestic Cold Water-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Cold Water/Wrapped Paper Pipe Cover, USA 01

Description: TSI, Sampled, friable

Locations: Piping; DHW Tank SW Corner

Quantity: Approximately 200-4 in. O.D. Domestic Cold Water-Removed

Potential For Disturbance:

Potential for contact:
Effect of vibration:
Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Hot Water/Wrapped Paper Pipe Cover

Description: TSI, Sample, Friable

Locations: Piping; NW Comer Over Stairs

Quantity: Approximately 200-4 in. O.D. Domestic Hot Water-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Low Pressure Steam/Pipe Covering, USA 01

Description: TSI, Sampled, Friable

Locations: Piping; West Side of Tank

Quantity: Approximately: 35-14 in. O.D. Low Pressure Steam-Removed

250-6 in. O.D. Low Pressure Steam-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overail Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Low Pressure Steam/Wrapped Paper Pipe Cover, USA 02

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately: 50-4 in. O.D.

100-6 in. O.D.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Recommendations: 6 Month Periodic Surveillance

Material: Low Pressure Steam/MJP on Wrapped Pipe Cover, USA 03

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately: 30-4 in. O.D.

20-6 in. O.D.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Recommendations: 6 Month Periodic Surveillance

Material: Domestic Hot Water/Wrapped Paper Pipe Cover

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately 225-4 in. O.D.-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Hot Water/MJP on Wrapped Pipe Cover, USA 05

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately 120-4 in. O.D.-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Cold Water/MJP on Wrapped Pipe Cover

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately 76-4 in. O.D.-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Acoustical/Thermal Plaster, USA 10

Description: Surfacing, Sampled, Friable

Locations: First Floor

Quantity: Approximately 4,960 sq. ft.- Some Removed

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Recommendations: 6 Month Periodic Surveillance

Material: Acoustical/Thermal Plaster, USA 11

Description: Surfacing, Sampled, Friable

Locations: First Floor

Quantity: Approximately 900 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Recommendations: 6 Month Periodic Surveillance

Material: Acoustical/Thermal Plaster

Description: Surfacing, Sampled, Friable

Locations: Basement

Quantity: Approximately 3,300 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Acoustical/Thermal Plaster, USA 13

Description: Surfacing, Sampled, Friable

Locations: Basement

Quantity: Approximately 700 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Fireproofing, USA 14

Description: Surfacing, Sampled, Friable

Locations: First Floor

Quantity: Approximately 250 sq. ft.-Removed

Potential For Disturbance:

Potential for contact:

Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: HHWS/Wrapped Pipe Cover, USA 50

Description: TSI, Sampled, Friable

Locations: Teacher Work Area & Room 19

Quantity: Approximately: 85-6 in. O.D.

25-4 in. O.D.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: HHWS/MJP on Wrapped Pipe Cover, USA 51

Description: TSI, Sampled, Friable

Locations: Teacher Work Area & Room 19

Quantity: Approximately: 12-6 in. O.D.

12-4 in. O.D.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Vinyl Floor Tile, USA 99

Description: Miscellaneous, Sampled, Non Friable

Locations: All Floors in Building

Quantity: Approximately 45,000 sq. ft.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

THREE RIVERS AHERA Reinspection ENVIRONMENTAL, Inc. Signature Page

Three Rivers Environmental, Inc. utilized only inspectors accredited as per the EPA Model Accreditation Plan, 40 CFR 763, Subpart E, Appendix C at a minimum. In addition, all inspectors utilized on projects in states which require additional training, qualifications and licensing, met these qualifications and were so licensed in that state. In addition to the EPA required training, Three Rivers Environmental, Inc. inspectors receive extensive field training and further examination prior to project assignment.

assignment.	Q -	1
The inspection was conducted by	the fallowing Three Rivers Enviro	nmental, Inc. personnel:
VEER SMHM	98-08185 Accreditation	Signature
MATT JOHNSON Name	98-08:82 Accreditation	Matth Johnson
SHAWN OLSON Name	98-08184 S Accreditation	Signature
The Management Plan recommen Inc. personnel:	dation was developed by the fallo	wing Three Rivers Environmental
DEFF SM+H	98-08179 Accreditation	Signature
Name	Accreditation	Signature
Name	Accreditation	Signature

AHERA

Three Year Asbestos Reinspection

for

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3JT

WILLAMETTE PRIMARY

1403 SE 12th Street West Linn, OR

Project No. 1020-07

May/June 1995

Prepared by

170 E Arlington Gladstone, Oregon 97027 (503) 656-4601



AHERA Re-inspection Signature page

Three Rivers Environmental utilized only inspectors accredited as per the EPA Model Accreditation Plan, 40 CFR 763, Subpart E, Appendix C at a minimum. In addition, all inspectors utilized on projects in states which require additional training, qualifications and licensing, met these qualifications and were so licensed in that state. In addition to the EPA required training, Three Rivers Environmental inspectors receive extensive field training and further examination prior to project assignment.

Accreditation #

Name

Signature

Material: Boiler/Tank Insulation/Mechanical Insulation, USA 01

Description: TSI, Sampled, Friable

Locations: Tank; DHW Tank South Side

Quantity: Approximately 275 sq. ft. Mechanical Insulation-Removed

Potential For Disturbance:

Potential for contact:

Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Boiler/Tank Insulation/Mechanical Insulation, USA 01

Description: TSI, Sampled, Friable

Locations: Boiler; South East Corner

Quantity: Approximately 350 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Low Pressure Steam/MJP on Pipe Covering

Description: TSI, Sampled, Friable

Locations: Joints; West Side of Tank

Quantity: Approximately: 8-14 in. O.D. Low Pressure Steam-Removed

30-6 in. O.D. Low Pressure Steam-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Hot Water/MJP on Wrapped Pipe Cover, USA 01

Description: TSI, Sampled, Friable

Locations: Joints; NW Corner Over Stairs

Quantity: Approximately 45-4 in. O.D. Domestic Hot Water-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Cold Water/MJP on Wrapped Pipe Cover, USA 01

Description: TSI, Sampled, Friable

Locations: Joints; DHW Tank S. Side

Quantity: Approximately 35-4 in. O.D. Domestic Cold Water-Removed

Potential For Disturbance:

Potential for contact:

Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Cold Water/Wrapped Paper Pipe Cover, USA 01

Description: TSI, Sampled, friable

Locations: Piping; DHW Tank SW Comer

Quantity: Approximately 200-4 in. O.D. Domestic Cold Water-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Hot Water/Wrapped Paper Pipe Cover

Description: TSI, Sample, Friable

Locations: Piping; NW Corner Over Stairs

Quantity: Approximately 200-4 in. O.D. Domestic Hot Water-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Low Pressure Steam/Pipe Covering, USA 01

Description: TSI, Sampled, Friable

Locations: Piping; West Side of Tank

Quantity: Approximately: 35-14 in. O.D. Low Pressure Steam-Removed

250-6 in. O.D. Low Pressure Steam-Removed

Potential For Disturbance:

Potential for contact:

Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Low Pressure Steam/Wrapped Paper Pipe Cover, USA 02

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately: 50-4 in. O.D.

100-6 in. O.D.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Low Pressure Steam/MJP on Wrapped Pipe Cover, USA 03

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately: 30-4 in. O.D.

20-6 in. O.D.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Domestic Hot Water/Wrapped Paper Pipe Cover

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately 225-4 in. O.D.-Removed

Potential For Disturbance:

Potential for contact:

Effect of vibration:

Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Hot Water/MJP on Wrapped Pipe Cover, USA 05

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately 120-4 in. O.D.-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Domestic Cold Water/MJP on Wrapped Pipe Cover

Description: TSI, Sampled, Friable

Locations: All Floors in Building

Quantity: Approximately 76-4 in. O.D.-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: Acoustical/Thermal Plaster, USA 10

Description: Surfacing, Sampled, Friable

Locations: First Floor

Quantity: Approximately 4,960 sq. ft.- Some Removed

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Acoustical/Thermal Plaster, USA 11

Description: Surfacing, Sampled, Friable

Locations: First Floor

Quantity: Approximately 900 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Acoustical/Thermal Plaster

Description: Surfacing, Sampled, Friable

Locations: Basement

Quantity: Approximately 3,300 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Acoustical/Thermal Plaster, USA 13

Description: Surfacing, Sampled, Friable

Locations: Basement

Quantity: Approximately 700 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Fireproofing, USA 14

Description: Surfacing, Sampled, Friable

Locations: First Floor

Quantity: Approximately 250 sq. ft.-Removed

Potential For Disturbance:

Potential for contact: Effect of vibration: Potential for air erosion:

Overall Condition:

Previous AHERA Category: Removed

New AHERA Category:

Material: HHWS/Wrapped Pipe Cover, USA 50

Description: TSI, Sampled, Friable

Locations: Teacher Work Area & Room 19

Quantity: Approximately: 85-6 in. O.D.

25-4 in. O.D.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: HHWS/MJP on Wrapped Pipe Cover, USA 51

Description: TSI, Sampled, Friable

Locations: Teacher Work Area & Room 19

Quantity: Approximately: 12-6 in. O.D.

12-4 in. O.D.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

Material: Vinyl Floor Tile, USA 99

Description: Miscellaneous, Sampled, Non Friable

Locations: All Floors in Building

Quantity: Approximately 45,000 sq. ft.

Potential For Disturbance:

Potential for contact: low Effect of vibration: low

Potential for air erosion: low

Overall Condition: good

Previous AHERA Category: ACBM With Potential for Damage

New AHERA Category: Unchanged

RECORDKEEPING (Asbestos Removal Activity/Response Action Recordkeeping)

This section reflects requirements outlined in 40 CFR 763.91 & 763.94 (d) (e) (f) (g) (h)

The following subsections contain this required information

Flow charts to determine adequate response actions

• Operations & Maintenance (<3 sq. ft. or <3 ln. ft.)

• Small scale/short duration (>3 sq. ft. or 3 ln. ft.) or (>40 ln. ft. or 80 sq. ft.)

ACTION: All asbestos-related activities must be recorded.

TRAINING: LEA Designate must ensure that program is enacted and maintained.

FORMS: Understand how to use all the recordkeeping forms.

The purpose of the record-keeping system is three-fold:

-- To ensure maximum protection of all persons in the building.

-- To provide detailed, retrievable records of all events.

-- To provide the needed records in event of a law suit.

In essence, the AHERA regulations required that everything done with regards to asbestos in a facility must be documented by the facility's owner so that the training and exposure of all persons involved in the work can be documented and the fate of all ACBM can be determined.

The recordkeeping requirements described in 40 CFR 763.94 are quite explicit in regards to the LEA's recordkeeping responsibilities. Although some records are required to be kept up to six years, they may be required beyond six years (as long as 20 to 40 years) in the event of a law suit. Thus, all records should be maintained in a retrievable state for up to 40 years (or let's just say don't ever throw them away).

Location: Records must be kept in the administrative offices of both the actual building and the LEA. If these are in the same building, it is advisable that a duplicate set of records should be established in a different location in the event of fire or other damage.

The following activities or occurrences require detailed documentation. A brief description is given here. Refer to the appropriate TAB number in the management Plan for exact AHERA requirements and sample forms for compiling information. Narratives of pertinent record keeping data and tab locations.

Tab 10	Response Actions Selected: records of all preventative measures, major abatement activities.	
Tab 8	Periodic Surveillance: conducted at a minimum of six-month intervals to determine any damage or deterioration of ACBM.	
Tab 9	Reinspection: conducted every three years by an accredited inspector.	
Tab 11	Operations and Maintenance: initial, periodic and emergency cleanings; minor and major fiber release episodes; maintenance procedures for ACBM.	

RECORDKEEPING (Asbestos Removal Activity/Response Action Recordkeeping)

Tab 5 Medical Surveillance: annual examination of any

person who will contact ACBM in their work. Keep

copies of examination forms.

Tab 5 Training: 2-hour awareness training for all custodial

staff, 14 hours additional for those who will disturb

ACBM; recommended annually.

MEMO FOR THE RECORD

Under CFR 40 763.94 and 763.85 (b) (l)

Records of abatement, surveys, inspections and reinspection may be archived and maintained in a centralized location in the administrative office.

All inspection activities and/or asbestos abatement records prior to the May/June 1995 3-year Inspection are stored in a large box in the Asbestos Program Manager's office or some other designated location.

OPERATIONS & MAINTENANCE (<3 Sq. feet or 3 ln. feet)

SMALL SCALE (>3 sq. feet or 3 ln. feet) (<40 ln. feet or 80 sq. feet)

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3.1t ASBESTOS ABATEMENT PHASE II 1999

AHERA 003
SECTION 01010 005
SCOPE OF WORK 020
PAGE 1 OF 3

DESCRIPTION OF WORK: 1.1

This project involves bids for the removal and disposal of approximately 1,000 sq. ft. of asbestos containing thermal system boiler and tank insulation, approximately 1,910 ln. ft. of asbestos containing thermal system pipe insulation, approximately 13,330 sq. ft. of asbestos containing floor tile and mastic, and approximately 2.584 sq. ft. of asbestos containing windows. The work is located at Cedaroak Park Primary; 4515 S. Cedaroak Park Dr. West Linn, OR 97068, Sunset Primary; 2351 Oxford St. West Linn, OR 97068 and Willamette Primary; 1403 SE 12th St. West Linn, OR 97068. This abatement will be performed using full negative pressure enclosures.

BID No. 1: Cedaroak Park Primary

Main Office and Hallway/Corridor:

Remove and dispose of approximately 3,400 sq. ft. of asbestos containing floor tile and mastic with approximately 1,800 sq. ft. mastic covered by carpet. Abatement shall be conducted from June 21 through June 25, 1999.

Teachers Rm., Cafeteria, Chair Storage Rm. and Computer Rm.;

Remove and dispose of approximately 5,400 sq. ft. of asbestos containing floor tile and mastic. Abatement shall be conducted between June 28 and July 16, 1999.

Room No. 1 and 2;

Remove and dispose of approximately 2,400 sq. ft. of asbestos containing floor tile and mastic covered by floor tile and carpet. Abatement shall be conducted between June 28 and July 16, 1999.

Boiler Rm. and Tunnels:

Remove and dispose of approximately 150 sq. ft. of asbestos thermal system insulation from the hot water tank. Abatement shall be conducted between March 29 and April 2, 1999.

Remove and dispose of approximately 170 ln. ft. of asbestos containing thermal system insulation from the heat exchanger piping and assorted locations in the tunnel. Abatement shall be conducted between March 29 and April 2, 1999.

BID No. 2: Sunset Primary

Lower Level Condensate Return Unit:

Remove and dispose of approximately 150 sq. ft. of asbestos thermal system insulation from hot water tank. Abatement shall be conducted between April 5 and April 9, 1999.

Remove and dispose of approximately 150 ln. ft. of asbestos containing thermal system pipe insulation. Abatement shall be conducted between April 5 and April 9, 1999.

WEST LINN-WILSONVILLE SCHOOL DISTRICT 3/t ASBESTOS ABATEMENT PHASE II 1999

SECTION 01010 SCOPE OF WORK PAGE 2 OF 3

Attic:

Remove and dispose of approximately 90 ln. ft. of asbestos containing thermal system pipe insulation. Abatement shall be conducted between April 5 and April 9, 1999.

Boiler Rm. and Tunnel;

Remove and dispose of approximately 700 sq. ft. of asbestos containing thermal system insulation from the boilers and tank. Abatement shall be conducted between April 12 and April 16, 1999.

Remove and dispose of approximately 1,000 ln. ft. of thermal system pipe insulation. Abatement shall be conducted between April 12 and April 16, 1999.

Lower Level Cafeteria and Class Rm.s:

Remove and dispose of approximately 500 ln. ft. of asbestos containing thermal system pipe insulation. Abatement shall be conducted between June 28 and July 16, 1999.

Rm.s 9 & 10 and Stage Area;

Remove and dispose of approximately 2,130 sq. ft. of asbestos containing floor tile and mastic with approximately 1,845 sq. ft. covered with carpet. Abatement shall be conducted between June 28 and July 16. 1999.

Old Building, Main Level and Lower Level;

Remove and dispose of approximately 9; 20'x8', 7; 20'x4', 1; 13'x8', 1; 16'x6', 1; 8'x8' and 1; 8'x4' asbestos containing windows. The asbestos is in the glazing and the abatement includes the window casings. (approximately 2,584 sq. ft.). Abatement shall be conducted between June 28 and July 30, 1999.

BID No. 3: Willamette Primary

Lower Level, Mechanical Rm.:

Remove and dispose of approximately 40 thermal system insulation hard fittings from the fiberglass insulated pipes. Abatement shall be conducted between June 21 and June 25, 1999

Lower Level, Girls Restroom, Rm. #19, Speech Rm. and Storage Rm.;

Remove and dispose of approximately 180 ln. ft of asbestos containing thermal system pipe insulation. Abatement shall be conducted between June 28 and July 2, 1999.

Tunnel accesses in Rm.s 15 & 16;

Remove and dispose of approximately 50 ln. ft. of asbestos containing thermal system pipe insulation and debris. Abatement shall be conducted between June 28 and July 2, 1999.

ADDITIVE ALTERNATE BID NO. 1:

Per-Unit Cost for the removal and disposal of Thermal System Insulation: cost/sq. ft.

Per-Unit Cost for the removal and disposal of Thermal System Insulation: cost/In. ft.

Per-Unit Cost for the removal and disposal of additional Floor Tile and Mastic: cost/sq. ft.

1.2 WORK SEQUENCE:

Activities shall be coordinated with the Owner's Representative.

2.1 GENERAL REQUIREMENTS

- 1. The Contractor shall provide personnel air monitoring for OSHA compliance. The Owner shall provide air monitoring for "Areas During", and Clearance testing as required. The Contractor shall notify the Owner 24 hours in advance of the time that test services are needed to allow adequate scheduling of equipment and personnel.
- 2. If the Contractor fails to meet final clearance standards specified, the Contractor shall reclean the work area to meet such standards. Costs incurred by the Owner for retesting of final clearances shall be deducted from the sums originally due the Contractor.
- 3. Contractors shall verify to their satisfaction the quantities of material cited and nature of the work described in these specifications. Contractors shall not rely upon the contract documents for any quantities.
- 4. The intent of the Owner is to have the Contractor remove all asbestos-containing materials as described above.
- 5. The decon and loadout facilities shall be constructed inside the building. So the doors to the abatement area can be closed and locked. All exposed areas of the containment shall be hard side to prevent tampering with a minimum of 1/2" plywood.
- The Contractor will file all notifications with DEQ.
- 7. The Contractor shall be responsible for the demolition to access materials to be abated such as removing carpets, soft wall and ceilings.

END OF SECTION

FULL SCALE (>40 ln. feet or 80 sq. feet)

ASBESTOS ABATEMENT SUMMARY Project #: 1026-2닉

Job Location: WILLAMETTE CRIMARY Floor:	NA
Project: 1403 SE 12TH ST WEST LINN OF	
For pipe provide: Total linear feet and pipe size	
For other materials provide: Total square feet: - Floor Tile	
Type of ACM: Cyisotiles	
Start Date: 8/18/98 Completion Date:	8/24/96
Methods to Control Emissions: WET WETTOD'S WORK	practices (Eug
Give name of Contractor of Subcontractor:	
Name: KeySTONE CONTRACTING	<u></u>
Name: Keystone Contracting Address: 417 NW 209Th Ridge	field wx.
City: RiDiefueld State: WA	
Phone: 360-867-0868 Contact person: 5dw (MOSSOM
Name of Monitoring Lab: THREE RIVERS ENDIFOUND	utal / EMS/
Anticipated Disposal Site: Hillsburo Aut Fill -	<u>08</u>
Supervisor in charge of job: DALE DEAN.	
Project Manager: MATT Sohnson TR	€
Cert. #: Exp. Date: Phone:	
Asbestos Program Manager: LEA 502 Simmono	5
Training date: Exp. date: Phone:	
☐ O&M (less than 3 ln. 3 sq. ft.)	
☐ Small scale	
Large scale	

Attach pre-abatement and post-abatement air sample results

adjact to CHAIN OF C' STODY Pag \sqrt{of} TRE Client Number: __LO20 SAMPLE TYPE SAMPLE TURNAROUND ENVIRONMENTAL ☐ Standard (5 day) ASBESTOS P.O. Number: P.O. Box 216 Gladstone, OR, 97027 ☐ Priority (3 day) D PLM (Bulk) D PLM Project Number: 1020 - 24 Phone: (503) 557-2396 FAX: (503) 557-3025 AJIERA Sample Group Positive stop Rush (24 hour) D PCM (sio Date Sampled: 8/21/46 TEM (Air Attention: Date Submitted: 8/21/46 LEAD Company Name: _____ Other (specify)..... AA Flame 600 Special Instructions: AA Plante (Pain Wice) Mailing Address: ☐ TCLP EPA 200/500 Series (Deinking Water) PH:()______FAX:()_ Positive Sample ID Date Volume Sample Description Sample Location Quantity (SF/LF) Result 8/21/98 1350 (1) MJ480546 AHERA N. EHD OF HALLWAY TEM CLEARANCE (a) MJ980547 S. END OF HALLWAY 4 (3) MJ980548 4 W. EHO OF HALLWAY 11 11 (4) MJ980649 C. CHO OF HALLWAY 11 /s)MJ960550 4 Relinquished By: (Sigy) Recieved By: (Sign) Sampled By: (Sign) Date Time Date 10:00 8/21/10 AUG 2 4 RECU

LAB:

EMSL Analytical, Inc.

1720 S. Amphlett Blvd., Suite 130 San Mateo, CA 94402

Phone: (650) 570-5401

Fax: (650) 570-5402



Three Rivers Environmental P.O. Box 216 Gladstone, OR 97027

Monday, August 24, 1998

Ref Number: CA985668

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule. (AHERA)

Project: 1020-24

VOLUME (liters)	ASBESTOS TYPE(S)	# STRUC < 5µ ≥ 5µ	•	AREA ANALYZED (mm²)	ASBESTOS S AS/mm²	RATION OF TRUCTURES AS/ee	ANALYTICAL SENSITIVITY (AS/ce)
1350.00	None Detected		Ó	0.0645	<15.5039	<0.0044	0.0044
1350.00	None Detected		0	0.0645	<15.5039	<0.0044	0.0044
1350.00	None Detected	<u>i</u>	0	0.0645	<15.5039	<0.0044	0.0044
1350.00	None Detected		0	0.0645	<15.5039	<0.0044	0.0044
1350.00	None Detected		0	0.0645	<15.5039	<0.0044	0.0044
	(liters) 1350.00 1350.00 1350.00	(liters) TYPE(S) 1350.00 None Detected 1350.00 None Detected 1350.00 None Detected	((liters)	(liters) TYPE(S) < 5μ ≥ 5μ NONASB 1350.00 None Detected 0 1350.00 None Detected 0 1350.00 None Detected 0 1350.00 None Detected 0	(liters) TYPE(S) < 5μ ≥ 5μ NONASB (mm²) 1350.00 None Detected 0 0.0645 1350.00 None Detected 0 0.0645 1350.00 None Detected 0 0.0645 1350.00 None Detected 0 0.0645	(liters) TYPE(S) < 5μ NONASB (mm²) AS/mm² 1350.00 None Detected 0 0.0645 <15.5039	(liters) TYPE(S) < 5µ ≥ 5µ NONASB (mm²) AS/mm² AS/cc 1350.00 None Detected 0 0.0645 <15.5039

Comments: For "None Detected" samples, the number under AS/cc is equal to the analytical sensitivity.

Robert Newman

Analyst

Approved Signatory

Disclaimers: The laboratory is not responsible for fibers counted in fibers/mm² or fibers/cc, which are dependent on volume collected by non-laboratory personnel. This report may not be duplicated in part without written permission by EMSL Analytical, (rc.) This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above.

Accredited for NVLAP PLM/TEM #101048-3, E-Lap #1620



EMSL Analytical, Inc.

1720 S. Amphlett Blvd., Suite 130 San Mateo, CA 94402

Phone: (630) 570-5401

Fax: (650) 570-5402

Attn.:

Three Rivers Environmental P.O. Box 216 Gladstone, OR 97027

Monday, August 24, 1998

Ref Number: CA985668

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule. (AHERA)

Project: 1020-24

SAMPLE ID	VOLUME (liters)	ASBESTOS TYPE(S)	# <i>STRU</i> (< 5µ ≥ 5µ	CTURES NONASB	AREA ANALYZED (mm²)	CONCENTI ASBESTOS S AS/mm²		ANALYTICAL SENSITIVITY (AS/cc)
(1) MJ9880546	1350.00	None Detected		0	0.0645	<15.5039	<0,0044	0.0044
(2) MJ980547	1350.90	None Detected	:	0	0.0645	<15.5039	<0.0044	0.0044
(3) MJ980548	1350.00	None Detected		0	0.0645	<15.5039	<0,0044	0.0044
(4) MJ980549	1350.00	None Detected	· · · · · · · · · · · · · · · · · · ·	0	0.0645	<15.5039	<0.0044	0.0044
(5) MJ980550	1350,00	None Detected	<u>, · </u>	0	0.0645	<15.5039	<0.0044	0.0044
	- <u></u>		·		: !	i j		

Comments: For "None Detected" samples, the number under AS/cc is equal to the analytical sensitivity.

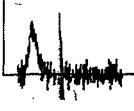
Robert Newman

Analyst

Approved Signatory

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Accredited for NVLAP PLM/TEM #101048-3, &-Lap #1620



1

THREE RIVERS ENVIRONMENTAL P.O. Box 216 Gladstone, OR. 97027

Phone: (503) 557-2396 FAX: (503) 557-3025

Attention: _____ Company Name: _____ Mailing Address:

PH:()______FAX:(__)_

CHAIN OF C STODY

Page A of 1

SAMPLE TYPE ASPESTOS PLN (Bolk) PLN (Bolk) Priority (3 day) PCM (si) Sample Group Positive stop A Flame (paint Wipe) Priority (3 day) Date Sampled:	

Sample ID	Date	l'esités e Stop		Sample Description	Sample Location	Quantity (SF/LF)	Volume	Result
(1)MJ980546	8/21/98		AHERA	TEM CLEANANCE	M. EHO OF HALLWAY		1350	
6)MJ980547	· 4	T	\$	/-	S. EHO OF HALLWAY			
(3) MJ98054B	W 4		**	4	W. BHO OF HALLWAY			
(4)MJ980544	VC #		11	10	E. EHO OF HALLWAY			
(g) MJ 960 550	\ 4		1/	"				
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Sampled By: (Sign)	Relinquished By: (Sign)	Date	Time	Recieved By: (Sign)	Date	Time
Matthe Sohn	Matthe John	8/21/10		A MICHELLI MIG	4 RECÛ	10:00
		_				[<u> </u>
				LAB:		

EMSL Analytical, Inc.

1720 S. Amphilett Blvd., Suite 130

San Mateo, CA 94402

Phone: (650) 570-5401

Fax: (650) 570-5402



Three Rivers Environmental P.O. Box 216 Gladstone, OR 97027

Monday, August 24, 1998

Ref Number: CA985668

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule. (AHERA)

Project: 1020-24

SAMPLE ID	VOLUME (liters)	ASBESTOS TYPE(S)	# <i>STRU(</i> < 5µ ≥ 5µ		AREA ANALYZED (mm²)		RATION OF TRUCTURES AS/cc	ANALYTICAL SENSITIVITY (AS/cc)
(1) MJ9880546	1350.00	None Detected		0	0.0645	<15.5039	<0.0044	0.0044
(2) MJ980547	1350.00	None Detected		0	0.0645	<15.5039	<0.0044	0.0044
(3) MJ980548	1350.00	None Detected		0	0.0645	<15.5039	<0.0044	0.0044
(4) MJ980549	1350.00	None Detected		0	0.0645	<15.5039	<0.0044	0.0044
(5) MÜ980550	1350.00	None Detected	<u> </u>	0	0.0645	<15.5039	<0.0044	0.0044
			·	: 	: !			! !

Comments: For "None Detected" samples, the number under AS/cc is equal to the analytical sensitivity.

Robert Newman

Analyst

Approved Signatory

Disclaimers: The laboratory is not responsible for fibers counted in fibers/mm² or fibers/cc, which are dependent on volume collected by non-laboratory personnel. This report may not be duplicated in part without written permission by EMSL Analytical, inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above.

Accredited for NVLAP PLM/TEM #101048-3, E-Lap #1620



THREE RIVERS ENVIRONMENTAL P.O. Box 216 Gladstone, OR. 97027 Phone: (503) 557-2396 FAX: (503) 557-3025

_____ FAX:(_______

Attention:

PB.()____

Mailing Address:__

Company Name: _____

CAGSUL4

Pag. 1 of 1

SAMPLE TYPE ASBESTOS PLM (Bulls) [] PLM	SAMPLE TURNAROUND Standard (5 day) Priority (3 day)
PCM (Air) Sample George Positive stop LEAD AA Flame (air) AA Flame (Paint, Wipe) TCLP EPA 200/500 Series (Datoking Water)	Other (specify)

CHAIN OF C STODY

TRE Client Number: 1020	
P.O. Number:	
Project Number: 1020 - 24	
Date Sampled: 8/21/46	
Date Submitted: 8/21/46	
Special Instructions:	

8/21/98				1	Quantity (SF/LF)	Volume	Result
4		AHERA TEM	CLBARANCE	N. EHO OP HALLWAY		1350	
		1	10	S. END OF HALLWAY			
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Sampled By: (Sign)	Relinquished By: (Sigy)	Date	Time	Recieved By: (Sign)		Date	Time
Watth John	Matthe John	8/21/16		A MICELL	AUG 2 4	_RECÛ_	10:00
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				LAB:			

THREE RIVERS
ENVIRONMENTAL

PROJ. No:	1020-24
DATE: 8/	20/90 pg. 1 of
	ring reports of this date 🔀

ASBESTOS PROJECT CHECKLIST

PROJECT NAME: WZWAMETT E PAZMAN	PROJ. MGR: MATTHEW JOHNSON
1403 SE 12+4 S+ WEST LEMA OR	ON SITE: 07:00 OFF SITE: 14:00
OWNER PROVIDED ON-SITE CONTACT: NAME: Joe Semmans	CONTRACTOR: KEYSTONE CONTRACTING SUPERVISOR: DALE DEAM
Intent to remove ACM on site and complete? Date Pre-abatement samples taken: Disposal site: 1116/000 GAVIGATION CORRECTION REQUIRED NO YES BARRICADES & SIGNS: AIRLOCKS: COVERINGS ON FLOORS & WALLS: NON-MOVABLE EQUIP. COVERED: NO	PERSONNEL & REQUIRED METHODS NO YES WORKER PROTECTION ADEQUATE: (** () PERSONAL AIR MONITORS USED: (** ()) PROTECTIVE CLOTHING: (** ()) PERSONNEL USING DECON: (** ()) EQUIP. MAINTAINED PROPERLY: (** ()) WETTING, PRIOR & DURING: (** ()) EXCESSIVE DEBRIS: (** ()) BAGGING OPERATION: (** ()) NEGATIVE AIR ADEQUATE: (** ()) CLEAN ROOM ADEQUATE: (** ()) SHOWER FILTERED AND ADEQUATE: (** ())
ALL OPENINGS SEALED: () () AIR HANDLING EQUIP. OFF/SEALED: () ()	Respiratory Protection in use: 1/2 Face (Full Face () PAPR () Type C ()
PROJECT MAN	NAGEMENT LOG

P.O. Box 216 Gladstone, OR 97027 (503) 557-2396 Enx 557-3025

ASBESTOS ABATEMENT SUMMARY Project #: 1020-25

Job Location: WITH PRIMARY Floor:
Project: 1403 SE 12th STREET WEST LIND OR 97068
For pipe provide: Total linear feet and pipe size
For other materials provide: Total square feet:
Type of ACM: CAPPET REMOUNT / tile
Start Date: 8-19-98 Completion Date: 8-98
Methods to Control Emissions: WET METHOD'S WORK PRITICES / CONTR
Give name of Contractor of Subcontractor:
Name: Key Stone Contraction inc
Address: 417 NW 209Th RIDGEFIELD
City: RIDJE FILE (D) State: WA Zip: 98432
Phone: 360-887-0668 Contact person: John VANDESSUM
Name of Monitoring Lab: Three Rivers Environmental /EMSL
Anticipated Disposal Site: Hillsburo LAND Fill . OR
Supervisor in charge of job:
Project Manager: MATT 5 Jhn Sou - TRE
Cert. #: Exp. Date: Phone: <u>557-239</u> 6
Asbestos Program Manager: 505 Simmons
Training date: Exp. date: Phone:
O&M (less than 3 In. 3 sq. ft.)
☐ Small scale
A Large scale

Attach pre-abatement and post-abatement air sample results

CLIENT: West Linn School District

TRE JOB NO: 1020-25

THREE RIVERS

ENVIRONMENTAL, In ATTN: Joe Simmous

PURCHASE ORDER NO: Verbal

CONTRACTOR: Keystone Contracting, IncREPORT NO: 1

PROJECT: Willamette Primary

1403 S.E. 12th Street West Linn, OR 97068 PAGE NO: 1 OF 2

Sample IDNo: 1	SampletDNix 2	SampleIDNo. 3	SampleiDNx 4
Editoratory No. MJ98-0546	Laboratory No. MJ98-0547	Laboratory Nov MJ98-0548	Laboratory No. MJ98-0549
Sample Location:	SampleLocation	Sample Location:	Sample Location:
N. end of ground	S. end of ground	W. end of ground	E. end of ground
floor N/S hallway	floor N/S hallway	floor E/W hallway	floor E/W hallway
c	С	C	C
WorkPerformed	WorkPerforment	WorkPerformed	WorkPerformed
N/A	N/A	N/A	N/A
Date Sampled 08-21-98	DateSampled 08-21-98	DateSampled 08-21-98	Date Sampled: 08-21-98
Sampled by: MDJ	Sampledby: MDJ	Sampledby: MDJ	Sampledby: MIDJ
		·	
PampNox HV-57	PumpNα HV-05	PumpNo HV-02	PumpNa HV-04
StanTime: 10:00	StartTime: 10:00	Start Time: 10:00	StartTime: 10:00
StopTime 12:15	Stop Time 12:15	StopTime 12:15	Stop Time: 12:15
MinutesSomplert 135	MirrutesSampled: 135	MinutesSampled: 135	MinutesSampled 135
Start Flow Rate: 10, OLPM	Stant Flow Rate: 10.0 L.P.M.	StantFlowRate: 10.0LPM	Start Flow Rate: 10.0 LPM
Stop Flow Rate: 10.0 LPM	StopFlowRate: 10.0LPM	Stop Flow Rate: 10.0 LPM	Stop Flow Rate: 10.0 LPM
Average Flow Rate: 10.0 LPM	AverageFlowRate: 10.0LPM	AverageFlowRate 10.0LPM	AverageFlowRote: 10.0LPM
Volume: 1350 L	Volume 1350 L	Volume 1350 L	Volume 1350 L
Date Analyzed 08-24-98	Date Analyzed 08-24-98	Date:Analyzed 08-24-98	Date Analyzect 08-24-98
		<u> </u>	
Typeof Astresios NSD	Type of Asbestos: NSD	Typeof Asbestos NSD	Typeor Asbestos NSD
Structures Density: <15.5039 (structures p.mm.)	Structures Density: <15,5039	Structures Density: <15.5039	Structures Density: <15.5039
StructureCon: <0.0044	StructureCon: <0.0044	StructureCon: <0.0044	StructureCon: <0.0044
Asbestos Structures 0	Asbestos Structures: 0	AsbestosStructures: 0	Asbestos Structures 0
ATT 12 mm am 1			

Abbreviations

TEM-Transmission Electron Microscopy, AP-Areasample prior to abotement, AD-Areasample during abotement, CClearance, P-Presonal sample from breathing zone, EL-Excursion limit, NAE-Negative riverhaust, PA-post abotement areasample, BG-Background, LOQ-Limit of Quantification, LOD-Limit of Detection, NSD-No Asbestos Detected

Comments:

Analyzedby:

EMSL

CLIENT: West Linn School District

TRE JOB NO: 1020-25

THREE RIVERS
ENVIRONMENTAL, IneTIN: Joe Simmons

PURCHASE ORDER NO: Verbal

CONTRACTOR: Keystone Contracting, IncREPORT NO: 1

PROJECT: Willamette Primary

1403 S.E. 12th Street West Linn, OR 97068 PAGE NO: 2 OF 2

Sample DNox 5	Sample IDNo:	Sample IDNo.	SampleIDNox
Laboratory No. MJ98-0550	LaboratoryNo:	LaboratoryNox	Laboratory No:
Center of staff breakroom	Sample Lucium	Sample Location	Sample Location
C WorkPerformed	WorkPerformed	Worki erformed	WorkPerformed
N/A	WORKEDONIEL	WERN CHAIRE	WORLESCHEAL
DateSampled 08-21-98	DateSampled	DateSompled	DateSampled
Sampled by: MIDJ	Sampled by:	Sampled by:	Sampledby:
Humphic HV-07	PumpNo:	PumpNox	PampNo
Stantime 10:00	Start Time:	Start Time:	Start Time:
StepTime 12:15	StopTime	Stop Time:	Stop Time:
MinuesSampled 135	MinutesSampled	MinutesSempled	MinutesScumplect
StartFlowRate: 10.0LPM	Start Flow Rate: LPM	StartFlowRate: LPM	StartFlowRate LPM
Stop Flow Rate: 10.0 LPM	Stop Flow Rate: LPM	Stop Flow Rate: L.P.M.	Stop How Rate: LPM
Average Flow Rate: 10.0 LPM	AvezageFlowRate: LPM	Average Flow Rate: LPM	AverageHowRate: LPM
Volume 1350 L	Volume L	Volume L	Volume L
Date Analyzed 08-24-98	Date Antalyzed	Date:Analyzed	Date Analyzeci
Typeof Asbestos NSD	Type of Asbestos	Type of Asbesios	Type of Asbestos:
Structures Density: <15.5039	Structures Density: (structsq.mm.)	Structures Density: (structor, mm.)	Structures Density: (structures Density:
StructureCon: <0.0044	Structure Con: (structure)	StructureCon: (structocari	StructureCon: (structure)
AshesiosStructures: 0	Asbestos Structures	AsbestosStructures	Asbestos Structures

Abbreviations

TEM-Transmission Electron Microscopy, AP-Areasample prior to abutement, AD-Areasample during abutement, C-Clearance, P-Personal sample from breathing zone, EL-Excussion limit, NAE-Negative air exhaust, PA-post abutement area sample BC-Background, EOQ-Limit of Quantification, LOD-Limit of Detection, NSD-No Asbestos Detected

Comments:

Analyzalby:

EMSL

Job Location: WILLTMETTE DUMAN Floor: Essented
Project: 1403 SE 12th STREET WEST Linn
OR 97068 - DIFT CRAWISPACE CLEM U
For pipe provide: Total linear feet and pipe size
For other materials provide: Total square feet: - Ret CIAN Opacie Clean we
Type of ACM:
Start Date: 12-11-98 Completion Date: 12-11-98
Start Date: 1-30-98 Completion Date: 12-11-98 Methods to Control Emissions: WET METHODS, WORK PRACTICES ENGINE
Give name of Contractor of Subcontractor:
Name: KEKSTONE CONTRACTION INC
Address: 417 NW 209Th RIDge FIGO
City: Ri Despfis (1) State: Ust Zip: 98432
Phone: 360-487-0668 Contact person: 50hu VAN 1655suy
Name of Monitoring Lab: Three Russis Enumonated
Anticipated Disposal Site: HUSBuro LAND FILL OR
Supervisor in charge of job: PAU DOS -
Project Manager: 5 OISEU
Cert. #: 960340N Exp. Date: NA Phone: 557-2396
Asbestos Program Manager: 508 Silvunous
Training date: Phone:
O&M (less than 3 ln. 3 sq. ft.)
☐ Small scale
Large scale

Attach pre-abatement and post-abatement air sample results

THREE RIVERS ENVIRONMENTAL, Inc.

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-33

ATTN:

Joe Simmons

P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO:

PROJECT: Willamette Primary

Dirt Crawlspace

PAGE NO: 1 OF 3

Sample IDNo: 1	SampleIDNo: 2	SampleIDNo: 3	Sample IDNix Z
aboratory No. S O 98-1378	LaboratoryNo. SO98-1379	LaboratoryNo SO98-1380	Laboratory No. SO98-1381
Sample Location: 15' S. of room #19, basement floor	Sample Location: 25' from basement, men's restroom	Sample Location 30' from main office, south of door	Sample Location: Middle of Mr. Silverman's room
AP	AP	AP	AP
WorkPerformed N/A	WorkPerformed: N/A	WorkPerformed N/A	WorkPerformed N/A
Date Sampled: 11/30/98	DateSampled 11/30/98	DateSampled: 11/30/98	Date-Sampled 11/30/98
Sampled by: S. Olson	Sampled by: S. Olson	Sampledby: S. Olson	Sampled by: S. Olson
PampNia HV-03	PumpNia HV-05	PumpNix HV-06	PumpNix HV-0
StartTime: 15:15	StartTime: 15:20	SortTime: 15:25	StartTime: 17:3
Stop Time: 17:15	StopTime: 17:20	Stop Time: 17:25	StopTime: 19:3
√limantesSampled: 120	MinutesSampled: 120	MinutesSampled 120	MinutesSampled: 12
Statt How Rate (LPM) 10	Start Flow Rate: (LPM) 10	Start How Rate (LPM) 10	Start-How Rate: (LPM) 1
Stop How Rate (LPM) 10	StopFlowRate: (LPM) 10	StopHowRate (LPM) 10	StopHowRate (LPM) 1
Average: Flow Rate: (LPM) 10	AverageHowRate (LPM) 10	Average Flow Rate: (LPM) 10	Average Flow Rate (LPM) 1
Volume 1200 L	Volume 1200 L	Volume 1200 L	Volume: 1200 L
Date-Analyzed: 11/30/98	Date Analyzot 11/30/98	Date:Analyzed 11/30/98	Date Analyzect 11/30/9
Granicule Field Area: 0.00817	GraticuleFieldAgex 0.00817	GeniculeFieldArea 0.00817	Gesticals FieldArea 0.0081
Total Fibers: 4.5/100	Total Fibers: 5.5/100	Total Fibers: 6/100	Total Fibers: 3/10
Coefficient of Variation LOD	Coefficient of Variation: LOQ	Coefficient of Variation: LOQ	Coefficient of Variation LO
Fibers/cc: <0.0039 f/ee	Fibersice: <0.0039 f/ce	Fibers/cc: <0.0039 f/ee	Fibers/cc: <0.0039 f/c

Abbreviations:

AP-Areasample priorioabnicment, AD-Areasampleduring abatement, C-Clearance, P-Personal sample from breathing zone, EL-Excursion limit, NAE-Negative aircedinus, PA-post abatement areasumple, BG-Background, LOQ-Limit of Quantification, LOD-Limit of Detection

Comments < Sample calculated at Limit of Quantification

Analyzedby: Shawn Olson

THREE RIVERS ENVIRONMENTAL Inc.

Air Sample Analysis Report

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-33

ATTN: Joe Simmons P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO: 1

PROJECT: Willamette Primary PAGE NO: 2 OF 3

Dirt Crawlspace

SampleiDNo: 5	SampleIDNα 6	Sample IDNo: 7	Sample IDNo:
LaboratoryNo: SO98-1382	LaboratoryNo: SO98-1383	LahoratoryNo: SO98-1384	LaboratoryNo. SO98-13
Sample Location: Middle of main office	Sample Location: 15'S. of rm. #6	Sample Location Carlos Mendoza 610-28-9238	Sample Location: Carlos Mendoza 610-28-9238
AP	AP	EL .	P
WorkPerformed N/A	WorkPerformed N/A	WorkPerformed Dirt crawlspace 1/2 face	WorkParkuned Dirt crawlspace 1/2 face
DateSampled 11/30/98	DateSempled 11/30/98	DateSampled: 11/30/98	DateSampled 11/30
Sampled by: S. Olson	Sampled by: S. Olson	Sampledby: S. Olson	Sampled by: S. Ols
PumpNa HV-06	PumpNica HV-05	PumpNα LV-01	PampNa LV
StartTime 17:50	StartTime: 17:55	StartTime: 22:30	StartTime: 23
Stop Time: 20:50	Stop Time: 20:55	Stop Time: 23:00	StopTime 24
MinutesSampled: 120	MinutesSampled 120	MinutesSampled: 30	MinutesSompled:
StartFlowRate (LPM) 10	Start Flow Rate: (LPM) 10	Start How Rate: (LPM) 2	Start FlowRate: (LPM)
StopFlowRate (LPM) 10	StopFlowRate (LPM) 10	StopFlowRate:(LPM) 2	Stop Flow Rate: (LPM)
AvengeHowRate:(LPM) 10	Average Flow Rate (LPM) 10	Average How Rate (LPM) 2	Average Flow Rate (LPM)
Volume 1200 L	Volume 1200 L	Volume: 60 L	Volume 70 L
Date Analyzed 11/30/98	Date Analyzed 11/30/98	Date Analyzed 11/30/98	DateAnalyzed 11/30
Circuicule Field Area: 0.00817	Graticule Field Area 0.00817	GericuleFieldArea 0.00817	GraticuleFieldArea 0.008
Total Fibras: 4/100	Total Fibers: 4/100	Total Fibers 9/100	Total Fibers: 19/
Coefficient of Variation LOD	Coefficient of Variation: LOD	Coefficient of Variation: LOQ	Coefficient of Variation: 0
Fiberson: <0.0039 f/cc	Fibers/cc: <0.0039 f/cc	Fibers/cc: 0.071 f/ee	Fibers/cc: 0.13 f

AP-Areasumple prior to abote ment, AD-Areasumple during abatement, C-Clemance, P-Personal sample from breathing zone, EL-Excussion limit
NAE-Negative air exhaust, PA-passabatement areasumple, BG-Background, LOQ-Limit of Quantification, LOD-Limit of Detection

Comments: <Sample calculated at Limit of Quantification

Analyzedby: Shawn Olson

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-33

THREE RIVERS ENVIRONMENTAL, In ATTN: Joe Simmons

PURCHASE ORDER NO: Verbal

CONTRACTOR: Keystone Contracting, IncREPORT NO: 1

PROJECT: Willamette Primary

PAGE NO: 1 OF 2

1403 S.E. 12th Street West Linn, OR 97068

SampleIDNo: 1	SampleIDNox 2	Sample IDNo: 3	SampleiDNox 4
LaboratoryNox SO98-1524	LaboratoryNo SO98-1525	LaboratoryNot SO98-1526	LaboratoryNox SO98-1527
Sample Location N.W. corner of dirt crawlspace	Sample Location S.W. corner of dirt crawlspace	Sample Location N.E. corner of dirt crawlspace	Sample Location S.E. corner of dirt cawlspace
C	<u>c</u>	С	C
WorkPerformed: N/A	WorkPedicumedt N/A	WorkPerformed N/A	WorkPerformed: N/A
DateSampled 12-11-98	DateSampled: 12-11-98	DateSampled 12-11-98	Date-Sampled 12-11-98
Sampledby: S. Olson	Sampled by: S. Olson	Sampled by: S. Olson	Sampledby: S. Olson
PumpNa HV-95	PumpNa HV-98	PampNα HV-01	PlampNiz HV-06
StartTime 11:40	StartTime: 11:40	Sear(Time: 11:40	StartTime: 11:40
StopTime 13:40	Stop Times 13:40	Stop Time: 13:40	StopTime: 13:40
MirrotesSampled: 120	MinutesSampled 120	MinutesSampled: 120	MinutesSampled: 120
StartFlowRate: 10.0LPM	Statt Flow Rate: 10.0 LPM	Stant-FlowRate 10.0LPM	StartFlowRate: 10.0LPM
StopFlowRate: 10.0LPM	SiopFlowRate: 10.0LPM	Stop How Rate: 10.0 LPM	StopFlowRate: 10.0LPM
AverageRowRate: 10.0LPM	Average Flow Rate 10.0 LPM	Average Flow Rate: 10.0 LPM	Average Flow Rate 10.0 LPM
Volume 1200 L	Volume 1200 L	Volume 1200 L	Volume 1200 L
Date Analyzed 12-12-98	Date:Analyzed 12-12-98	Date:Analyzed 12-12-98	Date Analyzed 12-12-98
Typeof Asbestos NSD	Type of Asbestos NSD	Type of Asbestos NSD	Typeof Asbestos NSD
Structures Density: <15.5039	Structures Density: <15.5039 (structures Density: <15.5039)	Structures Density: <15.5039 (structsq.mm)	Structures Density: <15.5039 (structs q.mm.)
StructureCon: <0.0050	StructureCon: <0.0050	StructureCorn: <0.0050	StructureCon: <0.0050
Asbestos Structures: 0	Asbestos Structures: 0	Asbestos Structures: 0	Ashesics Structures: 0

Abbreviations

TEM-Transmission Electron Microscopy, AP-Areasample prior to abatement, AD-Areasample during chatement, C-Clearance, P-Personal sample from breathing zone, EL-Excursion limit, NAE-Negative air exhaust, PA-post abutement areas ample, BG-Background, LOQ-LimitotQuantification,LOD-LimitotDetection,NSD-NoAsbestosDetected

Comments:

Analyzedby:

EMSL

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-33

THREE RIVERS ENVIRONMENTAL, In ATTN: Joe Simmons

PURCHASE ORDER NO: Verbal

CONTRACTOR: Keystone Contracting, IncREPORT NO: 1

PROJECT: Willamette Primary

PAGE NO: 1 OF 2

1403 S.E. 12th Street West Linn, OR 97068

SampleiDNo: 5	Sample (DN):	SampletDNo:	SampleIDNix
LaboratoryNo: SO98-1528	LaboratoryNox	Labonatory No:	LaboratoryNo
Simple Location: Middle of dirt crawlspace	Sample Location	Sample Location:	Sample Location
WorkPerformed:	WorkPerformed	WorkPerforment	WorkPerformed
N/A	Wang caratical	Total cicanat	WORL GROWER
Daessampled: 12-11-98	DateSampled:	DateSampled	DateSaroplect
Sampledby: S. Olson	Sampled by:	Sampled by:	Sampled by:
PumpNox HV-95	PumpNica	Punipiva	PumpNo
StantTime: 11:40	Start Time:	Start Time:	Start Time:
Stop Time: 13:40	StopTime:	Stop Time:	StopTime
MinutesSamplect 120	MinutesSamplect	MinutesSampled	MinutesSampled
StattFlowRater 10.0LPM	Start Flow Rate: LPM	Start Flow Rate: LPM	Start Flow Rate: LPM
StopFlowRate: 10.0LPM	Stop Flow Rate: LPM	StopFlow Rate: LPM	StopFlowRate: LPM
Average How Rate: 10.0 LPM	AvengeFlowRate LPM	Average Flow Rate: LPM	AvezgeFlowRate: LPM
Volume 1200 L	Volume L	Volume: L	Volume: L
Date Analyzed: 12-12-98	DateAmalyzed	Date Analyzed	DateAnalyzed
Typeof Asbestos NSD	Type of Asbestos	Type of Asbestos:	Typeof Asbestos
Structures Density: <15.5039 (structs p.mm.)	Structures Density: (Structs of min.)	Structures Density: (SINGSQ mm.)	Structures Density: (smr:sq.mm.)
StructureCon: <0.0050	Structure Coru: (Structure)	StructureCon: (structcom)	StructureCon: (struccour)
AsbesiosSiructures: 0	Asbestos Structures:	Asbestos Structures:	Asbestos Structures:

Abbreviations

TEM-Transmission Electron Microscopy, AP-Areasample prior to abatement, AD-Areasample during abatement, C-Clearance, P-Personal sample from breathing 20ne, EL. Excursion limit, NAE-Negative airectauss, PA-post abatement areas ample, BG-Background. LOQLimitofQuantification,LOD-LimitofDetection,NSDNoAsbestosDetected

Comments:

Analyzedby:

EMSL

ASBESTOS ABATEMENT SUMMARY Project #: __ いつ20-35___

Job Location: WillAMETTE Primary Floor: Boiler Rom
Project: 1403 SE 12th STrout WEST KIND
OR 97066 - Patch & Papair
For pipe provide: Total linear feet and pipe size
For other materials provide: Total square feet: Atch + Repair
Type of ACM:
Start Date: 12-28-98 Completion Date: 12-24-88
Methods to Control Emissions: 4 25 METHODS, NOW DISTURBANCE WORK pract
Give name of Contractor of Subcontractor:
Name: KEYSTONIE CONSTRACTION
Address: 417 NW 209Th 1
City: RIDgis fire 10 State: WA Zip: 98432
Phone: 360-467-0468 Contact person:
Name of Monitoring Lab: Three Ruco's Environments!
Anticipated Disposal Site: Hillshare LANDAII
Supervisor in charge of job:
Project Manager: RoBart Moutgomery
いっち、 Cert. #: Exp. Date: Phone: 557-23-96
Asbestos Program Manager: SE SIMMONS #CX-820756-01-0
Training date: 5/30/96 Exp. date: Phone: 503-638-9869
O&M (less than 3 In. 3 sq. ft.)
☐ Small scale
ለ Large scale

Attach pre-abatement and post-abatement air sample results

West Linn-Wilsonville School District TRE JOB NO: 1020-35

ATTN: Joe Simmons P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO:

PROJECT: Willamette Primary PAGE NO: 1 OF 1

Patch & Repair

Sample IDNo:	1 Sample/IDNox	B1	SampleIDNo	B2	SampleIDNot	
atomoryNa M198-08	2 LaboratoryNox N	/1J98 -0873	LaboratoryNot MJ	98-0874	LaboratoryNox	
Sample Location: Rob Walkenhauer 535-86-2210 1/2 fa P	Sample Location Blank		Sample Location: Blank		Sample Location:	
WorkParlament Floor tile/removal	WorkPerformed N	/A	WorkPerformed N/A		WorkPerformed	
Date-Sampled 12/28/9	DateSampled:	12/28/98	DateSampled	12/28/98	DateSampled	
Sampled by: R. Montgome	ry Sampledby: R.	Montgomery	Sampled by: R. Mo	ontgomery	Sampled by:	
PumpNic LV-:	ParapNa	N/A	PoznpNo	N/A	РитрΝα	
Start Time: 08:2	20 StantTimes	N/A	StartTene:	N/A	Start Time:	<u> </u>
StopTime: 09:	Stop Time:	N/A	Skop Time:	N/A	Stop Time:	
virrutes Sampled	MinutesSampled	N/A	MinutesSamplect	N/A	MinutesSamplect	
Sant How Rate (LPM)	2 Start How Rate (L	PM) N/A	StartFlowRate (LPM	N/A	Start How Rote: (LPI)	1)
Stop Flow Rate (LPM)	2 StopFlowRate.(L	PM) N/A	Stop Flow Rate: (LPM) N/A	Stop Flow Rate: (LPA	1)
Average How Rate (LPM)	2 Average Row Rate	(LPM) N/A	Average Flow Rate: (L	PM) N/A	AvezageRowRate (I	PM)
Volume: 110 L	Volume N	/A L	Volume N/A	L	Volume	L
Date Analyzed 12/31/9	Date Analyzect	12/31/98	Date:Amalyzed:	12/31/98	Date Analyzed	
izaticale Field Asex 0.008	7 GraticuleFieldAss	0.00817	GaticuleFieldArea	0.00817	GeniculeFieldArea	
otal Fibers 2/10	00 Total Fibers	0/100	Total Fibers:	0/100	Total Fibers:	
Coefficient of Variation: LC	D Coefficient of Vari	ation N/A	Coefficient of Variation	α N/A	Coefficient of Variation	our
ibers/cc: 0.0085 f/e	e Hibers/cc: N/	A f/cc	Fibes/cc: N/A	f/cc	Fibes/cc	f/e

NAE-Negativeairevitanst, PA-postabatementareasample, BG-Packground, LOQ-Limitof Quantification, LOD-Limitof Detection

Comments

Matthew Johnson



West Linn-Wilsonville School District TRE JOB NO: 1020-35

Joe Simmons P.O. NO: Verbal ATTN:

CONTRACTOR: Keystone Contracting, Inc. REPORT NO:

PROJECT: West Linn High School

PAGE NO: 1 OF 1

Patch & Repair

SampleIDNo. 1	Sample IDNo. 2	SamplefDNix B1	SampleIDNa B
atoratoryNox MJ98-0875	LaboratoryNo MJ98-0876	Laboratory No. MJ98-0877	LaboratoryNox MJ98-087
Bottom of stairs, boiler room AD	Sample Location Rob Walkenhauer 535-86-2210 1/2 face P	Sample Location Blank	Sample Location: Blank
WorkPulcoment Patch & Repair	WorkPerkumed Patch & Repair	WorkPerformed N/A	WorkPerformed N/A
Date Samplet 12/28/98	DateSampled 12/28/98	Date Sampled 12/28/98	DateSampled: 12/28/9
Sampledby: R. Montgomery	Sampled by: R. Montgomery	Sampledby: R. Montgomery	Sampled by: R. Montgomer
AmpNo HV-04	PumpNa LV-53	PumpNox N/A	PumpNica N/
SentTime: 10:00	SenfTime: 10:00	StartTime: N/A	StatTime N/
Stop Time: 11:10	Stop Time: 11:10	Stop Time: N/A	Stop Time: N/.
dinnéesSampled: 70	MinutesSampled: 70	MinutesSemplect N/A	MinutesSampled N/
EntHowRate (LPM) 10	Start Flow Rate (LPM) 2	Start How Rate: (LPM) N/A	Start Flow Rate (LPM) N/
iopRowRate (LPM) 10	StopFlowRate (LPM) 2	StopFlowRate (LPM) N/A	StopFlowRate (LPM) N/
Avezage Flow Rate: (LPM) 10	Avezage FlowRate: (LPM) 2	Average How Rate (LPM) N/A	Average:RowRate:(LPM) N/
/dame: 700 L	Volume 140 L	Volume N/A L	Volume: N/A L
Deter Analyzed 12/31/98	Date Analyzed 12/31/98	Date Analyzod 12/31/98	Date Analyzed 12/31/9
inticuleFieldArea 0.00817	GesticuleFieldAsex 0.00817	Genicule Field Area 0.00817	Graticule Field Auex 0.0081
otal Fibers 4/100	Total Fibers 2/100	Total Fibers 0/100	Total Fibers: 0/10
Coefficient of Variation: LOD	Coefficient of Variation: LOD	Coefficient of Variation: N/A	Coefficient of Variation N/
ibers/oc <0.0067 f/ee	Fibers/cc 0.0067 f/cc	Fibers/cc: N/A 1/ee	Fibers/oc: N/A f/o

NAE-Negativeziredraust, PA-postabatementarassample, BG-Background LOQ Limit of Quantification, LOD Limit of Detection

Comments < Sample calculated at Limit of Quantification (10 fibers/100 fields)

Analyzedby: Matthew Johnson



CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-35

ATTN: Joe Simmons P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO: 3

PROJECT: Bolton Primary PAGE NO: 1 OF 2

Patch & Repair

SampleIDNo: 1	SampleIDNo: 2	Sample/IDNox B1	Sample IDNo:
LaboratoryNor MJ98-0879	LahoratoryNo MJ98-0880	LaboratoryNox MJ98-0877	Laboratory No. MJ98-08
Sample Location E. wall boiler room, below Hankison oiler AD	Sample Location Bob Craft 568-15-4649 1/2 face P	Sample Location: Blank	Sample Location Blank
WorkPerformed Patch & Repair	WorkPerformed Patch & Repair	WorkPerformed: N/A	WorkPerformed N/A
DaeSampled: 12/28/98	DateSampled 12/28/98	DateSampled 12/28/98	DateSampled 12/28/
Sampledby: R. Montgomery	Sampledby: R. Montgomery	Sampledby: R. Montgomery	Sampled by: R. Montgom
PumpNa HV-04	PampNa LV-53	PumpNa N/A	PumpNa N
StartTime: 11:50	StartTime: 11:50	StartTime: N/A	StartTime: N
StopTime: 13:40	StopTime: 14:00	Stop Time: N/A	Stop Time: N
MinutesSampled: 110	MinutesSampled 130	MinutesSampled N/A	MinutesSampled N
Start Flow Rate (LPM) 10	Start FlowRate (LPM) 2	Start.HowRate (LPM) N/A	Start How Rate: (LPM) N
StopFlowRate:(LPM) 10	Stop How Rate: (LPM) 2	StopFlowRate (LPM) N/A	StopFlowRate:(LPM) N
AvezageRowRate (LPM) 10	Average Flow Rate (LPM) 2	Average Flow Rate: (LPM) N/A	Average Flow Rate (LPM) N
Volume: 1100 L	Volume 260 L	Volume N/A L	Volume N/A L
Date Analyzect 12/31/98	Date:Aunityrect 12/31/98	Date Analyzect 12/31/98	DateAmilyzed 12/31/
Gasticula:FieldArea 0.00817	GraticuleFieldAsex 0.00817	GaziculeFieldAtex 0.00817	GeniculeFieldArea 0.008
Total Fibers: 10/100	Total Fibers 2/100	Total Fibers: 0/100	Total Fibers 0/1
Coefficient of Variation: 0.63	Coefficient of Variation: LOD	Coefficient of Variation: N/A	Coefficient of Variation: N
Fibers/cc 0.0042 f/ee	Fibers/cc 0.020 f/ce	Fibersica 0.0054 f/cc	Fibers/cc: N/A f/

Comments

Analyzedby: Matthew Johnson

NAE-Negative airechaust, PA-postabatement are a sample, BG-Background, LOQ Limit of Quantification, LOD Limit of Detection

ENVIRONMENTAL Inc.

Air Sample Analysis Report

West Linn-Wilsonville School District TRE JOB NO: 1020-35

Joe Simmons ATTN:

P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO:

PROJECT: Bolton Primary Patch & Repair PAGE NO: 2 OF 2

Methodofanalysis: NIOSH7400	Limito	Detection:55Fibers; Limitof Quan	tificati	on: 100 fibers, Specification Range:	100<£	mm2<1300
SampleIDNo: E	2	Sample IDNo:		Sample IDNo:		Sample IDN ix
Laboratory No. MJ98-088	3	Laboratory No.		LaboratoryNox]	LaboratoryNox

mple Location;	Sample Location	Sample Location:	Sample Location
3lank			

	WorkPerformed	WorkPerformed	WorkPerformed	WorkPerformed	
	N/A		1 1		
į		ļ į] }	ļļ	
	DateSampled: 12/28/98	Date:Sampled:	DateSampled:	Date Sampled	
	12207				

Sampledby: R. Montgome	y Sampledby:	Sampled by:	Sampled by:	
PumpNo N	A PumpNor	Pump.No.	PumpNo	<u>,</u>
StartTime: N	A Stattime.	StartTime	Star(Tinx:	
Stop Time: N	A Stop Time:	StepTime	Stop Time:	

Corb inte	INA	Soprine	Septime	Coop times
<u> </u>				
MinutesSamuled	N/A	MinutesSampled	MinutesSamulert	Minutes Sampled:
	14/77			

SERLINOW ROBE (LETVI)	N/A	SMETHOW RME (LETVI)		Sellinow realization	1	Search Marker (TLM)
<u> </u>		<u> </u>	,	t	J i	
StopFlowRate:(LPM)	N/A	StopFlowRate; (LPM)		Stop How Rate (LPM)		StopFlowRate (LPM)
<u> </u>		<u> </u>	ł	<u> </u>	j	
					_	

AvezgeHowRate (LPM) N/A	Average How Rate: (LPM)	Average How Rate: (LPM)	AvezegeFlowRate (LPM)
			
Volume NT/A	Volume	Volume	Volume r

		<u> </u>		
Date Analyzed:	12/31/98	DateAnalyzed	DateAnatyzed	Date Amilyzed:
				

Graticule Field Area: (0.00817	GraticaleFieldAgear	Graticule Field Area	Gasticule Field Area
<u></u>				
Total Fibers:	0/100	Total Fibers:	Total Fibers	Total Fibras:
<u></u>		<u></u>	i	<u> </u>

Coefficient of Variation: N/A	Coefficient of Variation:	Coefficient of Variation:	Coefficient of Variation:
Hibersico: N/A f/ce	Files/cc f/ee	Fibers/cc: f/ee	Fiberson f/e o

Abbreviations:

AP-Areasample priortoabatement, AD-Areasamplechning abatement, C Clearance, P-Personal sample from breathing zone, FL-Excussion limit, NAE-Negativeairexhaust, PA-postabatementageasample, BG-Background, LOQ-Limit of Quantification, LOD-Limit of Detection

Comments

Analyzedby: Matthew Johnson



West Linn-Wilsonville School District TRE JOB NO: 1020-35

ATIN: Joe Simmons P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO:

PROJECT: West Linn High School

PAGE NO: 1 OF 1 Patch & Repair

Sample IDN ox	1 Sample IDNo	2	SampleIDNox	BI	SampleIDNox	B2
atoratoryNor MJ98-08	275 LaboratoryNα	MJ98-0876	LaboratoryNox	MJ98-0877	LaboratoryNox	MJ98-0878
Sample Location Bottom of stairs, boil room AD			Sample Location Blank	r	Sample Location Blank	
WorkPerformed Patch & Repair	WorkPerformer Patch	d & Repair	WorkPerformed I	N/A	WorkParformed	I/A
DateSampled 12/28	/98 DateSampled	12/28/98	DateSampled	12/28/98	DateSampled	12/28/98
Sampled by: R. Montgon	nery Sampledby: R	C. Montgomery	Sampled by: R	. Montgomery	Sampled by: R.	Montgomer
PumpNa HV	-04 PumpNc	LV-53	PumpNcx	N/A	PumpNcr	N/A
StartTime: 10	:00 StartTime:	10:00	StartTime	N/A	Start Time:	N/A
Stop Time: 11	:10 Stop Time:	11:10	Stop Time:	N/A	Stop Time:	N/A
√inutesSampled	70 Minutes Sample	est 70	MinutesSample	d N/A	MinutesSampled	N/A
Start How Rate (LPM)	10 Start How Rate:	(LPM) 2	Start Flow Rate: (LPM) N/A	Start How Rate: (L	PM) N/A
Stop Flow Rate: (LPM)	10 StopHowRate	(LPM) 2	Stop Flow Rate:	(LPM) N/A	StopFlowRate:(I	PM) N/A
Average Flow Rate (LPM)	10 Average Flow F	Sales (LPM) 2	AvengeRowR	ae (LPM) N/A	AverageFlowRa	e(IPM) N/A
Volume 700 L	Volume	140 L	Volume:	N/A L	Volume: N	VA L
Date:Analyzed 12/31	/98 Date Analyzed	12/31/98	DateAnalyzed	12/31/98	Date:Analyzed	12/31/9
izationleFieldArezr 0.008	317 Grande Feld	^{læx} 0.00817	GesticuleFieldA	ez 0.00817	Grain EField An	a 0.0081
Total Fibers 4/	100 Total Fibers:	2/100	Total Fibers	0/100	Total Fibers	0/10
Coefficient of Variation 1	OD Coefficient of V	ariation: LOD	Coefficient of Va	ariation: N/A	Coefficient of Va	nation N/A
ibers/cc < 0.0067 f	/ec Fibersica (0.0067 f/cc	Fibers/cc:	VA f/ee	Fibes/cc	V/A f/e

Comments: <Sample calculated at Limit of Quantification (10 fibers/100 fields)

NAE-Negative airexhaust, PA-postabatement areas ample, BG-Background, LOQ-Limit of Quantification LOD-Limit of Detection

Analyzedby: Matthew Johnson

THREE RIVERS ENVIRONMENTAL Inc.

Air Sample Analysis Report

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-35

ATTN: Joe Simmons

P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO:

Patch & Repair

PROJECT: Bolton Primary

PAGE NO: 2 OF 2

Sample/DNo: B2	Sample/DNo:	Sample IDN ix	SampleIDNo
LakusaknyNix MJ98-0883	LaboratoryNox	LaboratoryNo:	LaboratoryNo
Sample Location: Blank	Sample Location	Sample Location:	Sample Location:
WorkPerforment N/A	WorkPerformed:	WorkPerformed	WorkPerformed
DateSampled: 12/28/98	DateSampled	DateSampled	DateSampled
Sampled by: R. Montgomery	Sampled by:	Sampled by:	Sampled by:
PumpNa N/A	PumpNica	PumpNc:	PumpNc:
StartTime: N/A	Start Time:	Stat/Time:	StartTime:
StopTime: N/A	Stop Time:	Stop Time:	StopTime:
MinutesSampled N/A	Minutes Sampled.	Minutes Sampled:	MinutesSampled
Stant How Rate: (LPM) N/A	StatHowRate (LPM)	Start How Rate (LPM)	Start Flow Rate (LPM)
StopHowRate (LPM) N/A	Stop Flow Rate: (LPM)	Stop Flow Rate (LPM)	Stop How Rate: (LPM)
AverageHowRater (LPM) N/A	Average How Rate (LPM)	Average FlowRate (LPM)	Average Flow Rate (LPM)
Volume N/A L	Volume: L	Volume L	Volume L
Date:Analyzed 12/31/98	Date Analyzed:	Date:Annityzect	Date Amilyzect
Ganicule Field Area: 0.00817	GraticaleFieldAsea	Graticule:Ficki Asex	CreticuleFieldAsea
Total Fibers 0/100	Total Fibers	Total Fibers	Total Fibras
Coefficient of Variation: N/A	Coefficient of Variation:	Coefficient of Variation:	Coefficient of Variation:
Fibers/on N/A f/ee	Fibers/cc: f/ce	Fibers/cc: f/cc	Fibers/cc: £/

AP-Areasample prior to abatement, AD-Areasample during abatement, C-Clearance, P-Personal sample from breathing zone, EL-Excussion limit, NAE-Negative airextraust, PA-postabatement areasample, BG-Background, LOQ-Limit of Quantification, LOD-Limit of Detection

Comments

Analyzedby: Matthew Johnson



CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-35

Joe Simmons ATTN: P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO:

PROJECT: Willamette Primary

PAGE NO: 1 OF 1

Patch & Repair

Sample/IDNa 1	SampleIDNo: B1	Sample IDNox B2	Sample IDNa
LaboratoryNox ML198-0872	LaboratoryNo: MJ98-0873	LaboratoryNo: MJ98-0874	LaboratoryNox
Sample Location Rob Walkenhauer 535-86-2210 1/2 face P	Sample Location Blank	Sample Location: Blank	Sample Location
WorkPerformed Floor tile/removal	WorkPerformed: N/A	WorkPerformed: N/A	WorkPerformed
Date:Sampled: 12/28/98	DateSampled: 12/28/98	DateSampled: 12/28/98	DateSampled
Sampledby: R. Montgomery	Sampledby: R. Montgomery	Sampledby: R. Montgomery	Sampled by:
PrampNos LV-53	PumpNo N/A	PumpNo N/A	PumpNor
StartTime: 08:20	StartTime: N/A	Start Time: N/A	Start Time:
StopTime: 09:15	StopTime: N/A	Stop Time: N/A	Stop Time:
MinutesSempled 55	MinutesSampled: N/A	MinutesSampled N/A	Minutes Sampled:
Start Flow Rate: (LPM) 2	Start Flow Rate (LPM) N/A	Start Flow Rate (LPM) N/A	Start How Rate: (LPM)
Stop How Rate (LPM) 2	StopFlowRate (LPM) N/A	Stop Flow Rate (LPM) N/A	StopFlowRate (LPM)
Average Flow Rate: (LPM) 2	Average Flow Rate (LPM) N/A	Average How Rate (I.PM) N/A	AverageFlowRate (LPM)
Volume 110 L	Volume: N/A L	Volume N/A L	Volume; L
Date Analyzed: 12/31/98	DateAnalyzect 12/31/98	Date Analyzed: 12/31/98	Date Analyzect
Graticale Field Area: 0.00817	GesticuleFieldArex 0.00817	GraticuleFicktArex 0.00817	Graticule Field Area
Total Fibers 2/100	Total Fibers: 0/100	Total Fibers: 0/100	Total Fibers:
Coefficient of Variation: LOD	Coefficient of Variation: N/A	Coefficient of Variation N/A	Coefficient of Variation:
Fibers/cc 0.0085 f/ee	Fibersica: N/A f/ce	Fibers/cc: N/A f/ee	Fibersion f/

NAB-Negative airest aust, PA-post abatement are a sumple, BG-Background, LOQ Limit of Quantification, LOD Limit of Detection

Comments:

Analyzedby: Matthew Johnson



CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-35

ATTN: Joe Simmons

P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO:

Amnone No. A

PROJECT: West Linn High School

PAGE NO: 1 OF 1

Patch & Repair

SampleIDNo 1	Sample IDNo: 2	SampleIDNo: B1	SampleIDNa E
LatomioryNix MJ98-0875	Laboratory No. MJ98-0876	Laboratory No. MJ98-0877	Laboratory Nix MJ98-08
Sample Location Bottom of stairs, boiler room AD	Sample Location Rob Walkenhauer 535-86-2210 1/2 face P	Sample Location: Blank	Sample Location Blank
WorkPerformed Patch & Repair	WorkPerformed Patch & Repair	WorkPerformed: N/A	WorkPerformed N/A
Date Sampled: 12/28/98	DateSampled 12/28/98	DateSampled 12/28/98	DateSampled 12/28/9
Sampled by: R. Montgomery	Sampled by: R. Montgomery	Sampledby: R. Montgomery	Sampledby: R. Montgome
PumpNa HV-04	PumpNa LV-53	PumpNix N/A	PumpNo N
StartTime: 10:00	StartTime: 10:00	StartTime: N/A	StartTime: N
SkepTime: 11:10	Stop Time: 11:10	Stop Time: N/A	Stop Time: N
VinuesSamplert 70	MinutesSampled 70	MinutesSampled: N/A	MinutesSampled N
Start How Rate (LPM) 10	StartFlowRate (LPM) 2	Start Flow Rose (LPM) N/A	Start Flow Rate: (LPM) N
StopHowRate (LPM) 10	Stop Flow Rate (LPM) 2	Stop Flow Rate (LPM) N/A	StopFlowRate (LPM) N
Average How Rate (LPM) 10	Average Flow Rate: (LPM) 2	Avezage-HowRate: (LPM) N/A	AvezgeFlowRate (LPM) N
Volume 700 L	Valume: 140 L	Volume N/A L	Volume N/A L
Dane Amalyzort 12/31/98	Date Analyzed 12/31/98	DateAnalyzed 12/31/98	Date Analyzed 12/31/9
Granicule Field Asea 0.00817	GraticaleFieldArea 0.00817	GraticuleFieldArea 0.00817	Graticule Field Area 0.008
Total Fibers 4/100	Total Fibers: 2/100	Total Fibers: 0/100	Total Fibers 0/10
Coefficient of Variation: LOD	Coefficient of Variation: LOD	Coefficient of Variation: N/A	Coefficient of Variation: N/
ibers/cc <0.0067 f/ce	Fibers oc. 0.0067 f/ce	Fiberson N/A f/ce	Fibers/cc: N/A f/c

AP-Areasample priortoabutement, AD-Areasample during abutement, C-Clearance, P-Personal sample from breathing zone, EL-Evousion limit, NAE-Negative airextraust, PA-post abutement areasample, BG-Background, LOQ-Limit of Quantification, LOD-Limit of Detection

Comments < Sample calculated at Limit of Quantification (10 fibers/100 fields)

Analyzatby: Matthew Johnson



CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-35

ATTN:

Joe Simmons

P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO: 3

PROJECT: Bolton Primary

Patch & Repair

PAGE NO: 1 OF 2

SampleIDNix 1	Sample IDNo: 2	Sample/DNa B1	Sample IDNo:
Laboratory.No. MJ98-0879	Laboratory No. MJ98-0880	LaboratoryNix MJ98-0877	LaboratoryNic MJ98-0
Sample Location E. wall boiler room, below Hankison oiler AD	Sample Location Bob Craft 568-15-4649 1/2 face P	Sample Location Blank	Sample Location: Blank
WorkPerformed Patch & Repair	WorkPerformed Patch & Repair	WorkPerformed: N/A.	WorkPerformed N/A
DateSampled: 12/28/98	Date-Sampled 12/28/98	DateSampled 12/28/98	DateSampled 12/28
Sampled by: R. Montgomery	Sampled by: R. Montgomery	Sampledby: R. Montgomery	Sampled by: R. Montgor
PumpNox HV-04	PumpNa LV-53	PumpNa N/A	PumpNo
SentTime: 11:50	SentTime: 11:50	SenTime N/A	StartTime:
Stop Time: 13:40	Stop Time: 14:00	Stop Time: N/A	Stop Time:
MinutesSampled 110	MinutesSampled: 130	MinutesSampled N/A	MinutesSampled
Start FlowRate (LPM) 10	Start How Rate (LPM) 2	Start Flow Rate (LPM) N/A	Start-How Rate (LPM)
StopHowRate (LPM) 10	StopFlowRate:(LPM) 2	Stop How Rate (LPM) N/A	Stop Flow Rate (LPM)
Average Flow Rate: (LPM) 10	Average Flow Rate (LPM) 2	Average Flow Rate: (LPM) N/A	Average How Rate: (LPM)
Volume 1100 L	Volume 260 L	Volume N/A L	Volume N/A I
Date Analyzed 12/31/98	Date Amelyzed 12/31/98	Date Analyzed 12/31/98	DiseAnalyzed 12/3
Graticule Field Area: 0.00817	Graticule Field Area 0.00817	Graticule Field Agent 0.00817	GraticuleFieldAtex 0.00
Total Fibers: 10/100	Total Fibers 2/100	Total Fibers 0/100	Total Fibers: 0/
Coefficient of Variation 0.63	Coefficient of Variation: LOD	Coefficient of Variation: N/A	Coefficient of Variation:
Fiberson 0.0042 f/cc	Fiberson 0.020 f/cc	Fiberson 0.0054 f/ce	Fibers/oc: N/A

Abbreviations:

AP Areasample prior to atmiement, AD Areasample during abatement, C. Clemance, P. Personal sample from breathing zone, EL. Excursion limit, NAE-Negativenire draws PA-postabatement areasample, BG-Background LOQ-Limit of Quantification, LOD-Limit of Detection

Comments:

Analyzedby: Matthew Johnson

THREE RIVERS ENVIRONMENTAL, Inc.

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-35

ATTN: Joe Simmons P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO: 3

PROJECT: Bolton Primary

Patch & Repair

PAGE NO: 2 OF 2

SampleIDNix B2	Sample IDNo:	SampleIDNo:	Sample IDN or
LaboratoryNox MJ98-0883	LaboratoryNox	LaboratoryNox	Laboratory No:
Sample Location Blank	Sample Location	Sample Location:	Sample Location:
WorkPerformed: N/A	WorkPerformed	WorkPerformed	WorkPerformed
DateSampled 12/28/98	DateSampled:	DaeSampled	DateSampled
Sampledby: R. Montgomery	Sampled by:	Sampled by:	Sampled by:
PumpNa N/A	PumpNa	PumpNix	PumpNia
StartTime N/A	Start Time:	Start Time:	StartTime:
Stop Time: N/A	Stop Time:	Stop Time:	Stop Time:
MinutesSampled N/A	MinutesSamplect	Minutes Sample:	Minutes Sampled
Start Flow Rate: (LPM) N/A	Start Flow Rate: (LPM)	Start Flow Rate (LPM)	Start Flow Rate (LPM)
StopFlowRate (LPM) N/A	Stop-How Rate (LPM)	Stop Flow Rate (LPM)	Stop Flow Rate (LPM)
Avezge Flow Rate (LPM) N/A	AvengeHowRate (LPM)	Average How Rate (LPM)	Average How Rate (LPM)
Volume N/A L	Volume L	Volume: L	Volume: L
Date Analyzed 12/31/98	Date Analyzed:	Date Analyzed	DateAntalyzect
Gazicule Field Area: 0.00817	GenicaleFieldApex	GeniculeFieldAren	Graicale Field Area
Total Fibers 0/100	Total Fibers	Total Fibers	Total Fibers
Coefficient of Variation: N/A	Coefficient of Variation:	Coefficient of Variation	Coefficient of Variation:
Fibers/cc: N/A f/cc	Fibersec: f/cc	Fibers/cc f/ee	Fiberson f/

Comments

Analyzedby: Matthew Johnson

NAE-Negative airevitants, PA-postabete mentare a simple, BG-Background, LOQ-Limit of Quartification, LOD-Limit of Detection and the property of the property

lnvoice

DATE	INVOICE NO.
01/06/99	990014

THREE RIVERS ENVIRONMENTAL, Inc.

BILL TO

West Linn-Wilsonville School District Joe Simmons Administration Building P.O. Box 35 West Linn, OR 97068

DIRECT PAYMENT TO:

THREE RIVERS ENVIRONMENTAL, Inc. P.O. Box 216 Gladstone, OR 97027

		P.O. NO.	TERMS	SHIP DATE	TRE Project#	
		Verbal	Due on receipt	01/06/99	1020-35	
QTY		DESCRIPTION	N	RATE	AMOUNT	
8	Project Management Patch And Repair, K	t/On-Site Air Monitoring A Leystone Contracting	AB ·	35.00 1,187.50	280.00 1,187.50	
	Bolton, West Linn H	ligh, Willamette & Wood		į		
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Total

\$1,467.50

ASBESTOS ABATEMENT SUMMARY Project #: 1020-36

Job Location: Willa METTE Primary Floor:
Project: - Bulk Sampling may - Willamotto
Primary - 18 1403 SE 12Th STRET WEST him OR 97068
For pipe provide: Total linear feet and pipe size
For other materials provide: Total square feet:
Type of ACM: Chrysotile.
Start Date: 1/24/99 Completion Date: FeB / 99
Methods to Control Emissions:
Give name of Contractor of Subcontractor:
Name:
Address:
City: State: Zip:
Phone: Contact person:
Name of Monitoring Lab: Three Russis Environments / E.H. S
Anticipated Disposal Site:
Supervisor in charge of job:
Project Manager: WATT Solveson TRE
Cert. #: Exp. Date: Phone:
Asbestos Program Manager: 506 SIVUMONS #CX-820756-0-6
Training date: 5/31/96 Exp. date: Phone:
O&M (less than 3 ln. 3 sq. ft.)
☐ Small scale
☐ Large scale
Attach pre-shatement and post-shatement air sample results

ENVIRONMENTAL HAZARDS SERVICES, L.I.

7469 WHITE PINE ROAD - RICHMOND, VA 23237 804-275-4788 FAX 804-275-4907

BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT:

Three Rivers Environmental

P.O. Box 216

Gladstone, OR 97027

DATE OF RECEIPT:

01 FEB 1999

DATE OF ANALYSIS: 01 FEB 1999

DATE OF REPORT:

01 FEB 1999

CLIENT NUMBER:

38-2970 02-99-0043

EHS PROJECT #: PROJECT:

1020-36__

EHS SAMPLE#	CLIENT SAMPLE # LABORATORY GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01	WLHS-001/ Black Tar-Like	NAD P	10% Fibrous Glass 90% Non-Fibrous
02	WLHS-002/ Black Tar-Like	NAD	10% Fibrous Glass 90% Non-Fibrous
en .	WLHS-003/ Black Tar-Like	NAD	10% Fibrous Glass 90% Non-Fibrous
Ū 4	WLHS-004/ Gray Powder	NAD	100% Non-Fibrous
05	WLHS-005/ Gray Powder	NAD	100% Non-Fibrous
06	WLHS-006/ Gray Powder	2% Chrysotile 2% Total Asbestos	98% Non-Fibrous
07	WLHS-007/ Gray Gran.	NAD	100% Non-Fibrous
08	WLHS-008/ Gray Gran.	NAD	100% Non-Fibrous
09	WLHS-009/ Gray Gran.	NAD	100% Non-Fibrous

METHOD:

Polarized Light Microscopy, EPA Method 600/R-93/116

ANALYST:

Feng Jiang, M.S.

Reviewed By Authorized Signatury:

Howard Varner, Laboratory Director

Irma Fazzewski, Quality Assurance Coordinator

David Xu, MS, Senior Chemist Feng Jiang, MS, Senior Geologist

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

CLIENT NUMBER:

38-2970

EUR PROJECT #:

02-99-0043

JECT:

1020-36

Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C.

Environmental Hazards Services, Inc. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy ((TEM), for enhanced detection capabilities) for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

LEGEND

NAD = no asbestos detected

SCF = suspected caramic fibers

olm1.dot/27DEC1998/min

- PAGE 02 of 02 - END OF REPORT -

PO 86	r: \$:	(503)	L 7027 557-3025	CHAIN OF. SAMPLE TYPE ASBESTOS PLM (tolk) PLM AHERA Surgle Gurp TEM pale) LEAD AA Flance (sle) AA Flance (raise, wige) TCLP LEPA 200/900 Series (Delching Water)	1	JANAROUND (5 day) (3 day) (24 hour)	TRE Client N P.O. Number: Project Number Date Sampled Date Submitte	umber: 1020 er: 1020-36 : /-27-99 d: 1/28/99		
Sample II)	Date	Podure Slop		Sample Description		San	ople Location	Quantity (SF/LF)	Volume	Result
WL119-001	1-27-99		Posture			Jan Sa Fas	The Marchael	85,000 SF.	Steinge 313	
Mr.42 - 00 5	<u> </u>		ROOFING 11			LEFT of A	TOF NO CORDER BOOK FACILITY LOUGH SO. DOOR TACKLE LOWER L.		" ""3	
WLH5. 00.7	11	*	/1			RENT OF IL	DOOR TRACUG		" "HH	
101H3 1004	11		EXTERIOR 1221	न्यार्थ व्यव्यव		CUTEIDE K	market a state of the con-	JSOQ SOFT	D 115	13 10 用型排除
WLHS-005	11		/ /	<u> Parisana da Pari</u>	THE REAL PROPERTY.	desire B	ท 528 เมียงคน		16	
10 LH5-106	<u>[.]</u>	*	1/	······································	1	CUBIDE PHO	o for minden Minder	<u> </u>		
WL115-10-7	11		MOADIER BETT	DEEN GLASS BIDCKS		S BUETUO	MODIFIED CONTRA	SODO SOFT	" "#P	
WL115 - 608	(1			//		DUTSUSE AL	527 Due 6000			
wuis-009	11	*		//		MI SCIETUC	TO AS LET CONVER			
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							<i>5</i> ₩			
			÷							
. 5	lampfed/By: (Sign)		Religquished Byy (Sign)	Date	Time	1 /Regioned	Фу: (Sign)	Dite	Time
Mother	ashnow		77	etth Cohin	1/20/	7-			2/1/9	3.00
- production	July 1	-				** *******		·	- 	
	,				- -		LAB:			

ASBESTOS ABATEMENT SUMMARY Project #: 1020-44

Job Location: WILLAMETTE Primary School Floor: house Level
Project: Lower LEVEL GIN'S REST Room
1403 SE 12Th STREET WEST LIND DR 97068
For pipe provide: Total linear feet and pipe size
For other materials provide: Total square feet:
Type of ACM:
Start Date: 6/7/99 Completion Date: 8/4/99 Methods to Control Emissions: Well Methods, Wolk Pactices (Could's)
Methods to Control Emissions: Wet Method's work pactices (could be could b
Give name of Contractor of Subcontractor:
Name: IRS LICEULE # F5LSIS
Address: 19645 SE Sumy SiDE RD
City: Poris State: 6R Zip: 97009
Phone: 658-6606 Contact person: Bruce Korun
Name of Monitoring Lab: Thouse Proces Environmental
Anticipated Disposal Site: Hills Buro LWDFII
Supervisor in charge of job: Row CHAFF / VIVUS CHAVEE,
Project Manager: Matt Johnson TRE/Troy Now / Shawn olson
Cert. #: Exp. Date: Phone:
Asbestos Program Manager: See Simmons #CY-8207-86-01-0
Training date: 5 30 96 Exp. date: Phone: 5 30 - 638 - 9869
O&M (less than 3 in. 3 sq. ft.)
☐ Small scale
Large scale

Attach pre-abatement and post-abatement air sample results



West Linn-Wilsonville School District TRE JOB NO: 1020-14

Joe Simmons ATTN:

P.O. NO: Verbal

CONTRACTOR: Insulation Removal Specialist

REPORT NO:

PROJECT: Willamette Primary School

Lower Level Girls Restroom

PAGE NO: 1 OF 2

SampleIDN: 1	Sample IDN a 2	Sample:IDNix 3	Sample IDN ix
Laboratory Nox MJ99-0352	LaboratoryNo MJ99-0353	LahomayNix MJ99-03.54	LaboratoryNo. MJ99-03.
Sample Location Entrance of Airlock	Sample Location Exhaust of Neg Air Machine #17	Sample Location 6' Inside of Girls Restroom	Sample Location 12' Inside of Girls Restroom
AD	NAE_	<u>C</u>	C _
WorkPerioned Glove Bag Removal	WorkPerforment Glove Bag Removal	WorkPerformed: N/A	WorkPerforment N/A
Date:Samplect 6/8/99	DateSampled: 6/8/99	DaeSampleci 6/8/99	DateSampled: 6/8/
Sampledby: M. Johnson	Sampled by: M. Johnson	Sampleciby: M. Johnson	Sampled by: M. Johns
PlampNix HV-07	PompNa HV-09	PumpNix HV-01	PampNa HV-
StartTime 18:15	StartTime 18:15	StartTime 20:55	StartTime: 20:
StopTime: 20:15	StopTime: 20:15	Steep Time: 22:55	Stop Time: 22:
MinutesSampleri 120	MinutesSampled: 120	MinutesSampled 120	MinatesSampled 1
Start How Pate: (LPM) 10	Statt Flow Rate: (LFM) 10	StartFlowRate (LPM) 10	StatFlowRate (LPM)
StopFlowRate:(LPM) 10	Stop-How Rate (LPM) 10	StopFlowRate (LPM) 10	StopFlowRate (LPM)
Average Flow Rate (LPM) 10	AverageHowRate (LPM) 10	Avezge-PowRate (LPM) 10	Average Flow Rate (LPM)
Volume 1200 L	Volume 1200 L	Volume 1200 L	Volume 1200 L
Dave Analyzect 6/8/99	Date:Analyzed 6/8/99	Dant-Anaiyzed 6/8/99	Date Amelyani 6/8/
GaniculeFieldAwar 0.00817	GeniculeFieldAsex 0.00817	General General O.00817	GraticuleFieldAzzı 0.008
Total Fibers 6/100	Total Fibers: 3/100	Total Fibers 6/100	Total Fibers 8/1
Coefficienta Variation: LOQ	Coefficiental Variation: LOD	Coefficient of Variation: LOQ	Coefficient of Variation:
Fibers/cc <0.0039 f/ee	Fiberson <0.0039 t/ce	Fiberson <0.0039 f/cc	Fibers/oc <0.0039 f

NAE-Negativesiterbaust, PA-postabarmentariessample, 9G-Background, LOQ-Limitof Quantification, LOD-Limitof Detection

Comments <Sample calculated at Limit of Quantification (10 fibers/100 fields)

Analyzeby: Matthew Johnson



Air Sample Analysis Report

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-44

ATTN: Joe Simmons

P.O. NO: Verbal

CONTRACTOR: Insulation Removal Specialist

REPORT NO:

PROJECT: Willamette Primary School

Lower Level Girls Restroom

PAGE NO: 2 OF 2

Sample:IDNot	BI	Sample IDN ict	B2	Sample IDN cr	Sample IDNox	
abazanyNa M199	-03 <i>5</i> 6	Latoratory No. M	J99-035 7	LabouroryNo	LaboratoryNox	
Sample Location Blank		Sample Location Blan	ak	Sample Location:	Sample Location	
Wo <u>kPeriorme</u> d N/A		WorkPerforment N/A	A	WorkPositament	WorkPerforment	
Date-Sampled:	6/8/99	DaeSaupied	6/8/99	DaeSampled	DaeSampled	
Sampledby: M. Jo	hnson	Sampled by: M	. Johnson	Sampled by:	Sampled by:	
PumpNa	N/A	PumpNex	N/A	PumpNix	Ρυπορένα	
Star(Time:	N/A	StartTime:	N/A	Stant Time:	Start Time:	
Stop Time:	N/A	Stop Time:	N/A	Stop Times	Stop Time:	
ViinusesSamplect	N/A	MinutesSampled	N/A	MinutesSoropiert	MinutesSampled	
Stor Flow Rate (LPM)	N/A	Start Flow Rate (LP)	vi) N/A	Start Flow Rate (LPM)	Start Flow Rate: (L	PM)
StopFlowRate (LPM)	N/A	Stop Flow Rate (LP	M) N/A	Stop How Rate (LPM)	Stop Pow Rate (I	PM)
Aveage Flow Rate (LPM	N/A	Aveage Flow Rate (LPM) N/A	Average How Rate (LPM)	AveageRowRa	e(LPM)
Volum≥ N/A	I,	Volume N/	A L	Volume:	Volume	L
Date Amalyzect	6/8/99	Date Analyzed	6/8/99	Date Amalyzect	Date Analyzed	
Gamicule Field Attex ().	00817	Garicule Field Ages	0.00817	Genicule Field Asex	Graticale Field Art	a
Total Fibers:	0/100	Total Fibers	0/100	Tosi Fioes	Total Fibers	
Coefficient of Variation:	N/A	Coefficient of Varia	ion: N/A	Coefficient of Variation:	Coefficient of Va	iaion
Fibers/or N/A	f/cc	Fibersion: N/A	f/ce	Fibesac	f/cc Fibes/cc	f/cc

NAE-Negativestrechauss PA-postatosementaressample BG-Background LOQ-Limitot Quantification LOD-Limitot Detection

Comments

Amiyardy: Matthew Johnson



Air Sample Analysis Report

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-14

ATTN: Joe Simmons P.O.

P.O. NO: Verbal

CONTRACTOR: Insulation Removal Specialist

REPORT NO: 2

PROJECT: Willamette Primary School

Lower Level Mechanical Room

PAGE NO: 1 OF 2

Sample/DNo: 1	Sample IDNor 2	SampieIDNix 3	SampleIDNix
LahomayNix MJ99-0362	LatanaxyNx MJ99-0363	LahmannyNox MJ99-0364	LaboratoryNα МЈ99-036
Sample Location Entrance of Airlock AD	Sample Location Exhaust of Neg Air Machine #17 NAE	Sample Location 2' Inside of Mechanical Room C	Sample Location 2' In Front of SDF #1 C
WorkPerformed Glove Bag Removal	WorkPerfument Glove Bag Removal	Worki Salament N/A	WorkPerforment N/A
Date-Samplest 6/8/99	DateSampled 6/8/99	DaeSampled 6/8/99	DateSampled 6/8/9
Sampledby: M. Johnson	Sampled by: M. Johnson	Sampled by: M. Johnson	Sampleriby: M. Johnson
PampNia HV-08	PanapiNca HV-03	PumpNa HV-08	Рипир Ха НV-(
StarTime: 20:45	StatCime 20:45	StarCline 22:50	Startime: 22:
Stop Time: 22:45	StepTime: 22:45	Sico Time: 24:50	StopTime 24:5
MinutesSampled: 120	Minus Samplet 120	MinusesSamplest 120	MinutesSampled 12
Sant-FlowRate (LPM) 10	Start Flow Rate (LPM) 10	Start Flow Rose (LPM) 10	Start How Rate (LPM)
StopFlowRate (LPM) 10	StopFlowRate(LPM) 10	StopFlowRate(LFM) 10	Stop Flow Rate (LPM)
Average:FlowRate(LPM) 10	Aveage Flow Rate (LPM) 10	AveageFlowRate (LPM) 10	AvezageHowRate (LPM)
Volume 1200 L	Volume 1200 L	Volume 1200 L	Volume 1200 L
Dame, Amalyzect 6/8/99	DameAmalyzedt 6/8/99	DateAnnityzeci 6/8/99	Date:Analyzed: 6/8/9
GeniculeFieldArex 0.00817	GraticaleFeldAten: 0.00817	GeniculeFieldAlex 0.00817	GraticuleFieldArex 0.008
Total Fibers 10/100	Total Fibers: 2/100	Total Fibers 8/100	Total Fibers 7/10
Coefficient of Variation: 0.63	Coefficient of Variation: LOD	Coefficient of Variation: LOQ	Coefficiental Variation: LC
Fibers/cc <0.0039 f/ce	Fibesia: <0.0039 f/cc	Fibes/oc <0.0039 f/cc	Fibes/cc <0.0039 f/

Comments <Sample calculated at Limit of Quantification (10 fibers/100 fields)

NAE-Negativenirexhaust, PA-postabasementareasample, BG-Background, LOQ-Limitof Quantification, LOD-Limitof Detection

Amiyadby: Matthew Johnson

THREE RIVERS ENVIRONMENTAL Inc.

Air Sample Analysis Report

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-14

ATTN: Joe Simmons

P.O. NO: Verbal

CONTRACTOR: Insulation Removal Specialist

REPORT NO: 2

PROJECT: Willamette Primary School

Lower Level Mechanical Room

PAGE NO: 2 OF 2

SampleiDNix	Bl	Sample IDN cx	B2	SampleIDNox	$\overline{}$	Sample!DNa	
Laboratory Nov MU99	-0366	LabunatayNα М]99	-0367	LaboratoryNice		LaboratoryNot	
Sample Location Blank		Sample Location Blank		Sample Location:		Sample Location:	
WorkParkment N/A		WorkPeriormed N/A		WorkParkment		WorkPerformed	
Date-Sampled:	6/8/99	DateSampled	6/8/99	DaeSouplet		DateSampled	- <u></u>
Sampled by: M. Jo	hnson	Sampleriby: M. Jo	hnson	Sampledby:		Sampled by:	
PampNa	N/A	PanpNa	N/A	PumpNix		PumpNica	
StatTime:	N/A	Stat Time:	N/A	SeaTime		Stant Time:	
Stop Time:	N/A	Stop Time:	N/A	Stop Time:		Stop Time:	
Minutes Sampled:	N/A	MinutesSampled	N/A	MinutesSampieri		MinutesSampled	
Start Flow Rate: (LPM)	N/A	San Flow Rate (LPM)	N/A	SanFowRate (LPM)		Start How Rate (LPM)	
Stop How Rate (LPM)	N/A	Stop Flow Rate (LPM)	N/A	StopFlowPate(LPM)		StopFlow Rate (LPM)	
Aveage Pow Rate (LPM)	N/A	AvezgeFlowRate(LPM)) N/A	Average Flow Rate (LPM)		AveageRowRate (LP)	vf)
Volume N/A	L	Volume N/A	L	Volume	L	Volume:	Ļ
Date Analyzed	6/8/99	Date Analyzed	6/8/99	Date Analyzest		Date: Applyzed	
Genicule Field Areas 0.	00817	Genicule/FeldAsea 0.	00817	Genicale Feld Aven		Graticulei eld Arex	
Total Floers	0/100	Total Fibers	0/100	Total Fibers:		Total Fibers:	
Coefficient of Variation	N/A	Coefficient of Variation	N/A	Coefficient of Variation:		Coefficient of Variations	:
Fibers/or: N/A	f/ce	Fibers/cc: N/A	f/cc	Fibesica	t/ee	Fibers/cr	1/0

AP-Areassupple prior to abatement, AD-Area sample during abatement, C-Cenance, P-Personal sample from threathing zone, EL-Excursion limit, NAE-Negative airex basis, PA-post abatement areassample, BG-Background LOQ-Limit of Quantification, LOD-Limit of Detection.

Comments

Amiyzedby. Matthew Johnson



Air Sample Analysis Report

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-14

ATTN: Joe Simmons P.O. NO: Verbal

CONTRACTOR: Keystone Contracting, Inc. REPORT NO: 6

PROJECT: Willamette Primary PAGE NO: 1 OF 1

Sample IDN ix 1	Sample:IDNo:	2 Sample(DNo: B1	SampleiDNix B:
aboutoryNo TN99-0022	LaboratoryNo. TN99-002	3 LaboratoryNa TN99-0024	LaitonatoryNx TN99-002
Sample Location 10' to rist. from drwy. entring from hiwy. rm. 16 AD	Sample Location 10° to rht. frm drwy. entring from hiwy. rm. 1 AD	Sample Location: Blank	Sample Location: Blank
WorkPeriorment Glovebag	WorkPerformed Glovebag	WorkPerformed N/A	WorkPericured N/A
DaeSauplet 7/12/99	DateSampled 7/12/9	Date Samples 7/12/99	DateSampled 7/12/9
Sampletiby: T. Noel	Sampledby: T. No.	el Sampledby: T. Noel	Sampled by: T. Noe
PumpNa HV-06	Famabyca HV-()8 PumpNa N/A	PampNa N/A
StartTime 08:39	StartTime: 08:	StartTure N/A	StartTime: N/A
Stop Time 11:40	Stop Time: 11:	43 Stop Time: N/A	Stop Time: N/A
VinuesSamplet 280	MinuesSampled 1	79 MinutesSampled N/A	MinutesSampiect N/A
Start How Rose (LPM) 10	Start How Rate (LPM)	10 Stati Flow Rate (LPM) N/A	Start How Rose (LPM) N/A
Stop Flow Rate (LPVI) 10	StopFlowRate (LPM)	10 Stop Flow Rose (LPM) N/A	StopFlowRate (LPM) N/A
AveageRowRame(LPM) 10	AvezgeFlowRosz (LPM)	10 Avenge Flow Rate (LFM) N/A	AverageFlowRote(LPM) N/A
Value 2800 L	Volume 1790 L	Volume N/A L	Volume: N/A L
Dase-Auralyzect 7/12/99	Date Analyzed: 7/12/	99 Dane Amalyand 7/12/99	Date Assiyant 7/12/9
Gazioule Feld Alex 0.00817	GaticuleFeldAes 0.008	Genicule FeldAgen 0.00817	GeniculeFieldAsex 0.0081
Total Fibers 3.5/100	Total Fibers 11.5/1	Total Fibers 0/100	Total Fibes 0/10
Coefficiental Variation: LOD	Coefficient of Variation: (.6 Coefficient of Variation: N/A	Coefficienter Variation: N/
Fibersia: <0.0017 f/ee	Fibers/cc: 0.0030 t/	ec Fireson N/A f/ec	Fibesic: N/A f/c

Amiyzedby: Troy Noel

NAE-Negativementraust PA-postabatement areasample BG-Background LOQ-Limit of Quantification LOD-Limit of Detection

Comments < Sample calculated at Limit of Quantification (10 fibers/100 fields)



Air Sample Analysis Report

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-44

ATTN: Joe Simmons P.O. NO: Verbal

CONTRACTOR: IRS REPORT NO: 5

PROJECT: Willamette Primary PAGE NO: 1 OF 3

Sample IDNox	1	SampleiDNor	2	SampleiDNo	X	3	Sample IDNo:	
LaboratoryNic TN	99-0012	Laboratory No. 1	N99-0013	LahomoryN	¤ TN99-	0014	Laboratory No. 1	[N99-00]
Sample Location: 15° E. of N. dr. pkg. lot in rm. AD		Sample Location 10' from end rm. 14 N. w AD	ry door in	Sample Local Entrance restroom AD	to girls		Sample Location In rm. 16 of entry AD	
WorkPerformed Glove bag v pipe		WorkPerforment Glove ba	g vertical	WondPerion	et bag vert pipe	ical	WorkPerforment Gloveba	g vertical
DateSampled	7/9/99	DateSampled	7/9/99	DaeSample	7	1/9/99	DateSampled	7/9/9
Sampled by:	T. Noel	Sampled by:	T. Noel	Sampled by:	Т.	Noel	Sampledby:	T. No
PampNot	HV-08	PumpNor	HV-06	PumpNa	H	V-22b	PortipNo.	HV-
StartTime	10:47	Stat Time:	10:49	StatTime		10:57	Stan Tone:	11:0
Stop Time:	2:03	Stop Time:	2:05	Stop Time.		2:05	Step Time:	2:1
Minutes Sampled	196	Minutes Sampled	196	MinutesSan	plect:	188	MinutesSampled	18
Start Flow Page (LPM	10	Start Flow Rate: (L	PM) 10	Start Flow Ra	e (LPM)	10	Stant Flow Rate (I	PM)
StopFlowRate (LPN	⁰ 10	Stop Flow Rate (I	PM) IC	Stop Flow R	te (LPM)	10	Stop How Rate (I	LPM)
AvengeFlowRam(L	PM) 10	Avezge Flow Ro	e(LPM) 1(AvengeFlor	vRae (LPM)	10	Aveage Flow Ra	e(LPM)
Volume 1960	O L	Volume 1	960 L	Volume	1880	L	Volume: 1	880 L
Date Analyzed	7/9/99	Date.Amilyzed	7/9/99	Date: A coaty as	xit .	7/9/99	Dae Analyzeck	7/9/
Geniatle Field Area	0.00817	Concule Field Are	2 0.00817	Canicule Fiel	dAsex O.(00817	ConculeFieldAn	a 0.008
ToniFloes	12.5/100	Total Fibers	15.5/ 100	Total Fibers	6.	5/100	Total Fibers:	25.5/1
Coefficient of Variation	× 0.58	Coefficient of Va	niation: 0.53	Coefficiento	fVacatore	LOQ	Coefficient of Va	nation: ().
Fibers/oz 0.00	30 f/ee	Fiberson O	0037 f/cc	Fibersion	<0.002	5 f/cc	Fibers/oc: O	.0064 [/

Analyzethy: Troy Noel

Comments <Sample calculated at Limit of Quantification (10 fibers/100 fields)

NAE-Negrivesirexhaust PA-postabatementarensample BG-Background LOQ-Limitof Quantification LOD-Limitof Detection

CLIE

Air Sample Analysis Report

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-14

ATTN: Joe Simmons

P.O. NO: Verbal

CONTRACTOR: IRS

REPORT NO: 5

PROJECT: Willamette Primary

PAGE NO: 2 OF 3

Sample i DNo:	5	SampletDNox	6	SampleIDNo	7	Sample IDNo:	
LaboratoryNor TNG	9-0016	LaboratoryNo. TN	99-0017	Laboratory Nice T	N99-0018	LaboratoryNo. 7	N99-00
Sample Location: 15° E. of N. doo	or entr.	Sample Location: 10' from entry of	door in	Sample Location Entrance to g	irls	Sample Location In rm. 16 or	ı E. wall b
!dng. to pkg. in		rm. 14 N. waii		restroom		entry	· · ·
AD		AD		AD		AD	
WorkPerformed:		Work/enforment		WorkPeriormed		WorkPenicament	
Glovebag ve pipe	ertical	Glovebag v pipe	,	Głovebag pit		Gloveba p	g vertica ipe
Date:Sampled:	7/9/99	DateSampled	7/9/99	DaeSampled	7/9/99	DateSampled	7/9/
Sampled by:	T. Noel	Sampled by:	T. Noel	Sampled by:	T. Noel	Sampled by:	T. No
ΡιπορΝία	HV-08	PumpNix	HV-06	PumpNcr	HV-22b	ΡωπρΝα	HV-
Start Time:	2:03	Start Turner	2:05	Start Time:	2:05	StatTime:	2:
Skop Time:	4:04	Stop Time:	4:05	Scop Time:	4:05	Stop Time:	4:
MinutesSamplect	121	MinutesSampled	120	MinutesSaurpieci	120	MinnesSampied	1
Statt Flow Rate (LPM)	10	Stat Flow Rate (LPM)	10	Start Flow Rose (LF	M) 10	Start How Rate (L	Pv()
Stop Flow Rose (LPM)	10	Stop Flow Rate (LPM	0 10	Stop How Rate (LI	№ 10	Stop Flow Rate (I	PM)
Average How Rate (LP	M) 10	Average How Rose (D	PM) 10	Average Flow Rate	(LPM) 10	AvengeRowRa	e(LP:vI)
Volume 1210	L	Volume 1200) L	Volume 12	00 ·L	Volume 1	220 L
Date Analyzod	7/9/99	DatcAnalyzod	7/9/ 99	DecAnalyzed	7/9/99	Date Analyzeri	7/9/
Goricole FieldAren (0.00817	GeniculeFiciriAma	0.00817	Graticale Field Auen	0.00817	Generale Feld Au	× 0.008
Total Fibers	10/100	Total Fibers:	15/100	Total Fibers	13/100	Total Fibers	11/1
Coefficient of Variation	0.63	Coefficient of Variatio	n 0.54	Coefficient of Vanis	nion: 0.57	Coefficient of Va	nianient ().
Fiberses o oc	38 f/ec	Fibers/cc: 0.00	59 t/ee	Fibers/oc: 0 (0057 f/cc	Fibers/oz O	.0042 t/

Abbreviolicus

AP-Areasonple prior to abote ment. AD-Areasonple during abatement. C. Cenance, P. Personal sample from brending zone, EL. Excursionlimit.

NAE-Negative air exthaust. P.A.-postabasement areasomple, BC-Background, LOQ-Limit of Quantification, LOD-Limit of Detection.

Comments

Analyzedby: Troy Noel

Air Sample Analysis Report

THREE RIVERS
ENVIRONMENTAL lac.

CLIENT: West Linn-Wilsonville School District TRE JOB NO: 1020-14

ATTN: Joe Simmons

P.O. NO: Verbal

CONTRACTOR: IRS

REPORT NO: 5

PROJECT: Willamette Primary

PAGE NO: 3 OF 3

ampieiDN1	BI	Sample/IDNox	B2	Sample IDN ca		Sample IDNo.	
akamyNa TN99.	0020	LibonayNa TN99	-0021	LaboratoryNo:		LaboratoryNox	
Ample Locators Blank		Sample Location Blank		SampleLocation		Sample Location	
WorkPerkament N/A		WorkPerforment N/A		WorkPericured		WorkPerformed	
Date-Sampled 7	7/9/99	DaeSampled	7/9/99	DaeSampled	\dashv	DaeSamplei	
Sampled by: T.	Noel	Sampled by: T	. Noel	Sampled by:		Sampleriby:	
Prompt No.	N/A	PumpNia	N/A	PampNa		PumpNa	
SentTone:	N/A	StatTun=	N/A	Sm(Ture		Stant Time:	
Stop Time:	N/A	Step Tane	N/A	Stop Time:		Stop Time:	
√linuesSampled:	N/A	MinutesSamplert	N/A	Minus Sampled		MinutesSampled	
Start Flow Rate: (LP:M)	N/A	Stat Flow Rate (LPM)	N/A	Start How Rate (LPM)		Statt Flow Rate (LPM)	
Stop Flow Rate (LPM)	N/A	Stop Flow Rate (LPM)	N/A	StopFlowRate (LPM)		StopFlowRate (LPM)	
Aveage Flow Rate (LPM)	N/A	Avenge Flow Rate (LPM	9 N/A	Avenge How Rose (LPM)		AveageRowRate (LPM)
Volume N/A	L	Voiume N/A	L	Volume:	L	Volume	L
Date: Arreityzeck	7/9/99	Date Analyzed	7/9/99	Date Analyzect		DateAustyzek	
GeniculeFieldArea 0.(00817	Controle Field Agent O	.00817	Goticule Field Asea		GenculeFieldAsex	
Tool Fibers	0/100	Total Fibers:	0/100	Total Fibers		Total Fibers	
Coefficient of Variation:	N/A	Coefficient of Variation	N/A	Coefficient of Variation:		Coefficient of Variation:	
Fibes/cc: N/A	f/cc	Fiberson N/A	f/ee	Fibers/cc	f/ce	Fibers/cc:	t/e

Commens

Analyzadby: Troy Noel

NAE-Negativesirecteurs PA-postabatementaressumple PG-Background LOQ-Limitof Quantification LOD-Limitof Detection

SMALL SCALE SHORT DURATION

This section reflects requirements outlined in 40 CFR 763.91 and 763.95

The idea of small scale, short duration projects are jobs involving small quantities of asbestos. Generally, these are projects where the primary intent is not to disturb asbestos and if disturbed, worker exposure levels are not to exceed the PEL (0.1 f/cc).

DEQ/EPA

DEQ described small scale short duration activities as maintenance work that does not require a certified supervisor to oversee the work. If the maintenance work is less than 3 square or 3 linear feet of friable material at any one time then certification is not required, nor is notification to the Department. (OSHA still requires some training).

DEQ does require that all persons disturbing asbestos be certified if they are not doing maintenance work and/or they disturb more than 3 square or 3 linear feet of friable material at any one tie.

DEQ/EPA defines "small scale short duration activities" means a task for which the removal of asbestos is not the primary objective of the job, is less than 3 square or 3 linear feet, including, but not limited to:

- removal of small quantities of insulation on beams or above ceilings;
- replacement of a gasket on a valve;
- installation or removal of a small section of wallboard;
- removal of thermal system insulation not to exceed amounts greater than those which can be contained in a single glove bag.
- minor repair to damaged thermal system insulation which does not require removal
- repair to wallboard;
- replacement of a gasket on a valve;
- repair involving encapsulation, enclosure or removal, to small amounts of friable
 material in performance of emergencies of routine maintenance activity and not
 intended solely as asbestos abatement. Such work may not exceed amounts greater
 than those which can be contained in a single prefabricated mini-enclosure. Such
 an enclosure shall conform spatially and geometrically to the localized work area, in
 order to perform its intended containment function.

AHERA (schools K-12) defines small scale job according to EPA's definition listed above. Those activities that will fit inside a single glove bag or mini-enclosure; no more then 3 square or 3 linear feet of ACM. Neither a supervisor or clearances are required, but it does need to be recorded.

OR-OSHA/OSHA

OR-OSHA does not really have a definition for small scale short duration activities that would be recognized as such by DEQ. OR-OSHA's versions of small scale short duration/maintenance activities could be classified as Class III, Class I, or Class II asbestos work.

IF a person is doing maintenance activities then it is **Class III** asbestos work. If a worker intends to disturb TSI or surfacing material, but it is not the primary purpose of the work, then they must use the general work practices outlined OR-OSHA asbestos rules 1926.1101 (g) (9).

- A competent person-who has complete a minimum 16-hour/AHERA type course. (However we are still bound by the DEQ that if we disturb more than 3 square/linear feet then certified supervisor/workers must be used.)
- OR-OSHA specifies that the following work procedure s can be used:
 - standard glovebags on straight runs of piping
 - negative air glovebags
 - negative air glove boxes
 - water spray process systems
 - negative air mini-enclosure
 - approved alternate methods
- OR-OSHA still requires than an adjacent equipment room or area to the regulated area be available for the decontamination of employees and their contaminated equipment. The area needs to be of appropriate size so as not to spread contamination and the floor covered with an impermeable drop cloth. A three chamber decontamination unit/hygiene facility is not required as long as the total work involves less than 25 linear or 10 square feet.

If a person intends to disturb TSI or surfacing material, then it is Class I asbestos work regardless of the size of the project. The worker must use the work practices outlined OR-OSHA asbestos rules 1926.1110 (g) (4) & (5).

- A competent person/a supervisor-who has completed an EPA/DEQ five day supervisor course.
- OR-OSHA specifies that the following work procedures can be used:
 - negative pressure exposure (NPE)
 - standard glovebags on straight runs of piping
 - negative air glovebags
 - negative air glove boxes
 - water spray process systems
 - negative air mini-enclosure
 - approved alternate methods
 - a three-chamber decontamination unit/hygiene facility is not required as long as the total work involves less than 25 linear or 10 square feet. An adjacent equipment room or area to the regulated area must be available for the decontamination area.

If a person intends to disturb asbestos material that is not TSI or surfacing material, the it is Class II asbestos work regardless of the size of the project. This includes flooring (vinyl, sheet vinyl, asphalt), roofing (shingles built-up, felts), cement asbestos (transite), gaskets, wallboard, construction mastics, etc.

- A competent person/a supervisor-who has completed an EPA/DEQ five day supervisor course. (However DEQ does not require a certified supervisor if the material is kept non-friable.)
- The worker must use the general work practices outlined OR-OSHA asbestos rule 1925.1101 (g) (7) & (8).



7. OPERATIONS AND MAINTENANCE PLAN

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IV. FORMS

1. INTRODUCTION

With the enactment of the Asbestos Hazard Emergency Response Act regulations, Local Education Agencies are charged with producing a plan of action that will facilitate the safe and effective management of aspestos materials in their school systems. The most effective way of managing the problem is to completely remove all asbestoscontaining materials from the building, thus removing the problem in its entirety. In some cases, however, this wholesale removal is not economically feasible or even desirable from a building usage standpoint. When asbestos-containing materials can not be completely removed, a comprehensive Operations and Maintenance Program as required by 40 CFR 763.91 will allow the local education agency to control the asbestos problem until removal of the materials is feasible.

II. DEFINITIONS

Several definitions pertinent to an Operations and Maintenance Program are identified in 40 CFR 763.83. These are as follows:

Asbestos-Containing Material (ACM) when referring to school buildings means any material which contains more than one percent asbestos.

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.

Asbestos Debris means pieces of ACBM that can be identified by color, texture, or composition; or means dust, if the dust is determined by an accredited inspector to be ACM.

Operations and Maintenance Program means a program of work practices to maintain friable ACBM in good condition, to insure cleanup of asbestos fibers previously released, and to prevent further release by minimizing and controlling damage to friable ACBM.

Fiber Release Episode means any uncontrolled or unintentional disturbance of ACBM resulting in visible emissions.

Frable, 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.

High-Efficiency Particulate Air (HEPA) refers to a filtering system capable of trapping and retaining at least 99.97% of all non-dispersed particles 0.3 millimeters in diameter or larger.

Ramoval means the taking out or the stripping of substantially all ACBM from a damaged area, a functional space, or a homogeneous area in a school building.

Repair means returning damaged ACBM to an undamaged condition or to an intact state so as to prevent fiber release.

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

Routine Maintenance Area is an area, such as a boiler room or mechanical room, that is not normally frequented by students and in which maintenance employees or contract workers regularly conduct maintenance activities.

III. PROGRAM ELEMENTS

A. WORKER PROTECTION

40 CFR 763.91(b) serves to extend the protection provided by 40 CFR 763.121 (for worker protection during asbestos abatement projects) to employees of local education agencies who perform Operations and Maintenance and repair activities involving ACM who are not covered by the OSHA Asbestos Construction Standard 29 CFR 1926.58. This standard will be adhered to during all Operations and Maintenance or repair operations involving the disturbance of friable ACBM.

During initial cleaning (and additional cleaning as necessary) of all buildings, those employees performing the cleaning will be supplied with and will use the following personal protective equipment:

<u>Disposable Coveralls</u> - a "Tyvek" brand or similar disposable coverall will be worn over the clothes to prevent capturing asbestos fibers on the clothing.

Respirator - an individual personalized respirator will be provided to all workers doing the cleaning. The respirator will be appropriately fit-tested to ensure that it functions effectively for that individual. Each respirator will be supplied with disposable cartridges approved for asbestos dust by NIOSH and will be worn at all times during the cleanup operation.

Following cleanup each day, all used disposable respiratory cartridges and coveralls will be disposed of in six-mil asbestos disposal bags.

B. TRAINING

Prior to the implementation of any Operations and Maintenance provisions of the Management Plan, all members of the maintenance and custodial staff who, during the performance of their duties, may work in a building containing ACBM will receive general awareness training of not less than two hours in duration. As well, similar training will be given to all new maintenance/custodial personnel within 60 days of their start date. As per 40 CFR 763.92 (a)(i-v), the accepted course for this level of training is "Developing an Operations and Maintenance Plan" given by Hall-Kimbrell Environmental Services, Inc., 4840 West 15th Street, Lawrence, Kansas, 66044, and will include as a minimum:

- Information on asbestos, its forms, and uses.
- Information on the health affects of asbestos exposure.
- Locations of ACBM in the school buildings in which they work.
- Recognition of damage, deterioration, and delamination of ACBM.

- Name and telephone number of the LEA person designated to carry out LEA responsibilities under 40 CFR 763.84.
- Availability and location of the Management Plan.

All members of the maintenance/custodial staff who are likely to conduct any activities that may disturb ACBM will receive the previously described general awareness training and an additional 14 hours as required by 40 CFR 763.92 (2)(i-iv). The accepted course for this level of additional training is "Operations and Maintenance Training" given by Hall-Kimbrell Environmental Services, 4840 West 15th Street. Lawrence, Kansas, 66044, and will include as a minimum:

- Descriptions of proper methods of handling ACBM.
- Information on the use of respiratory protection as contained in the EPA/NIOSH Guide to Respiratory Protection for the Asbestos Abatement Industry, September 1986 (EPA 560-OPTS-86-001), and other personal protective equipment and measures.
- The provisions of the following pieces of legislation:
 - 40 CFR 763.91, Appendices A, B, C, D of Subpart E
 - EPA regulations in 40 CFR Part 763.
 Subpart G
 - EPA regulations in 40 CFR Part 61, Subpart M
 - OSHA regulations in 29 CFR 1926.58
- Hands-on training in the use of respiratory protection, other personal protective equipment and measures, and good work practices.

All types of training will emphasize the necessity to not disturb ACBM or assumed ACBM during routine maintenance activities. Employees will be instructed on the following at a minimum:

 Avoid performing any activities on ACM or assumed ACM that may cause abrasion or physical deterioration of the material.
 This includes sanding, nailing, drilling, cutting, or otherwise damaging the material.

- Avoid damaging ACM during maintenance activities <u>NOT</u> directly involving the ACM such as installing drapes, carpets, moving furniture, etc.
- To always use a HEPA-vacuum and wet methods to clean up asbestos dust or debris. <u>NEVER</u> use a regular vacuum or dry method.
- To avoid any activities that may inadvertently release asbestos fibers into the air such as removing ventilation filters, drying and/or shaking the filters, and removing suspended ceiling tiles below ACM without taking the proper precautions and using the proper personal protective equipment.

C. INITIAL CLEANING

In accordance with 40 CFR 763.91, all buildings under the direction of the School District will undergo an initial cleaning process prior to commencing with any response actions, with the exception of Operations and Maintenance and detailed repair. as in the Inspection Report/Management Plan Data. The initial cleaning will be done in all areas of all buildings where friable ACBM, damaged or significantly damaged thermal system ACM, or friable suspected ACBM assumed to be ACM, were determined to be present following the completion of an inspection, sampling and analysis program performed in accordance with 40 CFR 763.85 through 40 CFR 763.87.

The following procedures will be followed for the initial cleaning of all appropriate areas of each building:

- All carpets will be HEPA vacuumed and/or steam cleaned.
- 2. All horizontal surfaces including sills, frames, door tops, wall protrusions, signs, air vents, suspended light fixtures, and other immovable fixtures will be HEPA vacuumed. Following HEPA vacuuming, the same areas will be wet cleaned in order to remove any residual fibers not picked up during the vacuuming process.
- All walls will be wet wiped, except for those with sprayed-on or trowelled-on materials or with other applications with high liquid absorption potential.

- 4. All uncarpeted floors will be wet mopped.
- 5. All debris, filters, wet mop heads, dustmops, cloths, etc., will be sealed, while still wer, in leak-tight containers. Disposal containers will be six-mil polyethylene bags labelled in such a fashion that they illustrate their usage as asbestos storage containers. These bags will be kept in a single location, in a routine maintenance area in each building and will always be kept closed and tied. When the bag becomes full, it will be tied shut and placed into another six-mil bag and tied again. Full bags will be placed in a 55gallon steel or fiberboard drum. When full, the drum will be transported to an EPA-approved asbestos landfill site and the material will be disposed of as asbestos-containing waste.

D. ADDITIONAL CLEANING

In all areas where friable ACM exists, normal daily cleaning procedures will be altered as necessary to ensure that fiber entrainment in the air will be minimized. Sweeping and dry mopping will not be allowed in areas containing friable ACM. Until all ACM is removed from ceilings, etc., all daily mopping will be carried out with dampened, disposable mop heads. These mop heads will not be used in asbestos-free areas and will be changed at the end of the day and disposed of as asbestos-contaminated waste in six-mil polyethylene disposal bags. In addition, certain areas will receive additional cleaning on a regular basis as per the O&M supplement at the end of this section.

E. OPERATIONS AND MAINTENANCE ACTIVITIES

1. Small-Scale, Short Duration Activities and Minor Fiber Release Episodes

Appendix B to Subpart E of 40 CFR 763.91 defines small-scale, short duration maintenance activities as, but not limited to:

- Removal of ACM insulation on pipes
- Removal of small quantities of ACM insulation on beams or above ceilings
- Removal of ACM gaskets on a valve

- Removal or installation of a small section of drywall
- Installation of electrical conduits through or proximate to ACM.

Small scale is further subdefined in Appendix B of Subpart E as:

- Removal of small quantities of ACM <u>only</u> if required as part of maintenance activity not intended as asbestos abatement
- Removal of ACM thermal system insulation in quantities no greater than can be contained in one glove bag
- Minor repairs to damaged thermal system insulation requiring no removal.
- Repairs to ACM wallboard
- Repairs involving encapsulation, enclosure, or removal, to small amounts of friable ACM only if required in performance of an emergency or a routine maintenance activity not intended as asbestos abatement. The work may not exceed amounts greater than those which can be contained in a single prefabricated mini-enclosure. This enclosure must conform spatially and geometrically to the localized work area, in order to perform its intended containment function.

Section 40 CFR 763.91 (f)(i) defines a minor fiber release episode as the falling or dislodging of less than or equal to three square or linear feet of friable ACBM.

During the process of performing small-scale, short duration asbestos renovation or maintenance tasks, the following procedures will be utilized:

- The area will be isolated with physical barriers, whenever possible, restricting entry only to those persons necessary to perform the task. Warning signs will be posted at all entry points to the area.
- All HVAC ducts, windows, and other sources of air circulation to the area will be sealed. Where necessary, the air handling systems will be shut off or modified to meet this need.
- If a fiber release has occurred, the entire area will be precleaned using those techniques described in Section C. under

initial Cleaning. HEPA vacuum and/or wet methods will always be employed for any type of cleaning. All workers directly involved with the cleaning will always use the prescribed personal protective equipment.

- All objects in the area will be removed from the area to protect them from contamination during the maintenance activity. Where it is not possible or feasible to move the objects, the objects will be completely covered with six-mil polyethylene plastic sheeting prior to commencement of the maintenance activity. This will include all fixtures and other components that exist in the immediate work area.
- Next. a layer of six-mil polyethylene plastic sheeting will be placed on the floor beneath the item or area affected by the maintenance activity. This sheeting will be at least one foot wide and long for each loot above the floor where the work is to be conducted, but will not under any circumstances, be less than six feet by six feet. When the work area is confined by walls, the plastic sheeting will extend up the walls at least one foot, and will be sealed along the top edges with duct tape.
- All work activities involving the ACM will be performed using wet methods, HEPA vacuums, glove bags, mini-enclosures, and/or protective clothing as appropriate to the maintenance activity. These methods are detailed in Section E-3 of Operations and Maintenance Activities.
- All repair work done on the damaged or affected ACM will be done with materials such as asbestos-free spackling, plaster, cement, or insulation. The existing ACM affected by the maintenance activity will be sealed with latex paint or an encapsulant, or the appropriate response action as identified in the Management Plan will be implemented.
- All asbestos-containing debris will be saturated with amended water and sealed in double six-mil polyethylene disposal bags. These bags will be labelled as ACM and will be disposed of at an EPA

approved landfill site. All plastic, duct tape, etc., used to cover objects, floors, etc., will be treated as asbestos-contaminated waste and will be disposed of in like manner.

 Maintenance Activities other than Small Scale. Short Duration and Major Fiber Release Episodes.

Section 40 CFR 763.91 (f)(2) defines a major fiber release episode as the falling or dislodging of more than three square or linear feet of friable ACM.

For those maintenance activities other than small scale, short duration or for a major fiber release episode, all response actions will be designed by persons accredited to design response actions and conducted by persons accredited to conduct response actions.

Regardless of the response action designed for the specific activity or repair, the areas involving the work will be sealed off and restricted with signs posted, and prepared for the work in a manner consistent with the procedures outlined for small-scale short duration activities in Section E-1 of Operations and Maintenance Activities.

3. ACM Removal Procedures

a. Wet Methods.

Regardless of the removal method employed, wet methods will always be used where practical during any maintenance activity that involves the disturbance of ACM. In some cases, wet methods will not be employed (working on live electrical equipment, for example) and this will be determined prior to the commencement of the activity.

At all times, amended water will be used as the wetting agent. Amended water is water that has a surfactant added that restricts evaporation and enhances the penetration of the water into the ACM. Commercially available products such as those containing a concentrate of a 50-50 mixture of polyoxyethylene esters and polyoxyethylene ethers with three percent emulsifier will be used. These products

will be added to normal tap water and used as per manufacturer's instructions.

Amended water will be applied to all ACM using an airless sprayer to minimize disturbance of the ACM. During the maintenance or repair activity, the material will continue to be wetted, as needed, to ensure that all ACM is wet during the activity and remains wet until final disposal.

b. Glove Bag Techniques

The glove bag techniques will be used for removal of ACM on small scale activities mainly involving pipes, valves, Tees. fixtures, or other small components of mechanical systems as detailed in Appendix B of Subpart E of 40 CFR 763. Prior to installation and use of the glove bag, signs will be posted and the work area will be sealed off and prepared as detailed in Section E-1 of Operations and Maintenance Activities. The worker(s) performing the glove bag operation will be equipped with a disposable Tyvek-type suit and a personal respirator equipped with disposable cartridge filters NIOSH approved for use with asbestos dust.

After performing all preparatory work and donning personal-protective equipment, the glove bag is cut along the sides to fit around the pipe or fixture to be worked on. All tools necessary to perform the work, as well as a quantity of bridging encapsulant, are inserted into the attached inside pocket of the bag.

The glove bag is then attached around the work area by folding the open edges together and sealing with staples and tape. The side edges of the glove bag are then sealed using duct tape and/or Velcro ties to form a tight seal. The bottom seam of the bag is also taped to ensure its integrity. Once a tight seal is obtained, the end of a smoke tube is inserted through the marked entry port and a small amount of smoke is squeezed into the bag. After tape sealing the port (and removing the smoke tube), the bag is gently squeezed to allow the smoke to exit through any available leak holes. Leaks identified in this way are sealed with more duct tape, the entry port is opened, and the bag is squeezed lightly to remove excess smoke. Next, the portable sprayer nozzle is put through the port and the work area is completely wetted with amended water. The nozzle is removed and the HEPA vacuum hose is inserted into the port and sealed tightly with duct tape.

The worker's arms are inserted into the armholes and gloves and the ACM is removed from the work area. When necessary, the amended water spray nozzle is inserted into the bag during removal to ensure that the ACM is kept wer ar all times.

When all necessary ACM is removed and the item cleaned of all visible material, a spray nozzle from the encapsulant sprayer is inserted and the pipe fixtures, etc., are sprayed with encapsulant. The rough edges of the cut ACM are then coated/sealed with the bridging encapsulant.

The worker then removes his arms from the armholes and turns on the HEPA vacuum, to remove air from the bag. As the air is being removed from the bag, the bag is squeezed near the top, and twist sealed and taped closed. The HEPA vacuum is turned off, the nozzle removed, and the entry port is sealed tightly. Then the bag is cut along the top and removed from the working area, then placed in a six-mil polyethylene bag for disposal with other contaminated waste materials.

c. Mini-Enclosures

This methodology is employed in areas where glove bags are not practical, such as for the removal of asbestos from a small ventilation system or a short length of duct as detailed in Appendix B of Subpart E of 40 CFR 763.

The mini-enclosure will vary in construction, shape, and size, depending upon the specific requirements of an individual activity. In general, all mini-enclosures will be constructed according to the following criteria:

- The structure will consist of six-mil polyethylene plastic sheeting supported by a preconstructed

framework of 2" by 4" studs formed around the work area. The plastic will be stapled and taped to the framework. Two layers of sheeting will be used, one attached to the studs on the inside of the minienclosure and the other on the outside.

- The structure will be minimized in size so as to allow entry to only the number of workers directly involved with the maintenance activity.
 Where possible, the number of workers will be restricted to one or two maximum.
- The floor inside the mini-enclosure will be covered with two layers of sixmii plastic and will extend no less than one foot up each wall where it will be tape sealed to the wall's plastic. All penetrations into or through the mini-enclosure, such as pipe runs, will be sealed with duct tape.
- A small change room (approximately three feet by three feet by seven feet) will be constructed contiguous to the mini-enclosures. Entry to the change room and from the change room to the mini-enclosure will be through double plastic-sheeted entryways. The first layer of plastic in the entryway will be sealed to the doorway at the top and on the right side, the second layer will be sealed at the top and on the left side.
- After completing the maintenance or repair activity, the worker will enter the change room, HEPA vacuum his disposable coveralls, and remove them prior to leaving the change room. He will then wet wipe his respirator, leaving it on until exiting the change room.
- During the ACM removal, the workers will wear protective cartridge and dual coveralls NIOSH-rated respirators Wet methods of asbestos dust. removal using amended water will be used at all times in the minienclosure. As in glove bag removal,

following the removal of ACM the working areas will be sprayed with encapsulant and exposed cut ACM will be coated with a bridging encapsulant when appropriate.

- Next, all debris in the mini-enclosure will be placed in double six-mil polyethylene bags labelled appropriately for disposal of ACM. The bags will be wet cleaned before removal from the work area through the change room. All interior surfaces of the mini-enclosure will then be cleaned using HEPA vacuum and or wet cleaning techniques.
- Inside the mini-enclosure, the air will be sprayed with water using an airless sprayer. The worker will start at the top and spray the entire volume down to the floor level in order to remove any airborne asbestos fibers prior to dismantling the mini-enclosure.
- The worker will then proceed to the change room and HEPA vacuum his coveralls and clean and spray the room in the same fashion as the mini-enclosure. He will then wet wipe his respirator while still wearing it. HEPA-vacuum and remove his coveralls, and exit the change room.
- The mini-enclosure will then be dismantled from the outside by removing the plastic and bundling it inwards, rolling it, and placing it in a six-mil bags, labelled for asbestoscontaminated waste and disposed of appropriately. The 2" by 4" studs will be dismantled and stored for further use.
- Following the dismantling of the mini-enclosure the worker removes his respirator and disposes of the cartridges as asbestos-contaminated waste.

F. WASTE DISPOSAL

All asbestos-containing waste material is double-bagged in six-mil polyethylene plastic bags. These

bags are preprinted to show that they contain aspestos-containing material. Aspestos waste is kept in a controlled location in a routine maintenance area of the facility. Filled bags of waste are carried to this area and placed in scalable metal or fiber 55-gallon drums. When the drums are full, they are sealed, labelled, and transported to a landfill site approved for asbestos by EPA. Upon arrival at the landfill site, the bags are removed from the drums and handed over to the landfill operator. The drums are wet wiped and returned to the school for re-use. The drums are not re-used if, upon opening, it is observed that one or more of the bags has ruptured inside of the drum. In this case, the drum is resealed and disposed of along with all bags inside of it.

The waste containers are transported to the landfill site in a covered, lockable vehicle and all transported containers are accompanied by a proper chain of custody form that details the origin of the material, date and quantities of transport, types of containers and destination of containers. If transported by a third party hauler, information on the hauler is also included on the form. The chain of custody form is signed at each transfer point and after final transport to the landfill site, a copy of the form is maintained in our records as evidence of receipt at the site. A sample copy of this form is included.

Prior to any transportation of asbestos-containing material, notification will be made to the following parties:

- Regional US EPA office written notification will be sent detailing the name and location of the landfill site to be used and the approximate weight and volume of aspestos involved.
- EPA Certified Landfill Site Prior to each transport the landfill supervisor will be notified of the weight and volume of the material, the expected date and time of arrival at the site, and the types of containers to be transported.

G. RECORDKEEPING

Permanent records will be kept regarding Operations and Maintenance activities in facilities under the control of the LEA. These include:

- 1. Whenever any cleaning activity as prescribed in 40 CFR 763.91 (c) is undertaken records will contain the name of the individuals performing the cleaning, the dates of the cleaning, the locations cleaned, the methods utilized, and any other information pertinent to that particular cleaning episode. A copy of the O&M Cleaning Report Form is attached.
- 2. Whenever алу Operations and Maintenance activity is undertaken as outlined in 40 CFR 763.91 (d) records will contain the name and duties of each person involved; the start and completion date and time of the activity; the locations where the activity occurred; a description of the activity; preventive measures used: amount (if any) of ACM removed; and the name and location of the storage or disposal site for the ACM. A copy of the Small-Scale O&M Activity Report Form is attached.
- 3. Whenever a major activity as described in 40 CFR 763.91 (e) is undertaken, records will indicate the name, signature, state of accreditation, and accreditation number of each person involved; the start and completion date and time; the locations where the activity occurred: a description of the activity; preventive measures used; whether ACBM was removed; and the name and location of the storage or disposal site for the removed material. A copy of the Major O&M Activity Report Form is attached.
- 4. For every fiber release episode described in 40 CFR 763.91 (f), the records will detail the date, time, and location of the episode; the method of repair; preventive measures or response action taken; the names of those persons doing the work; whether ACBM was removed; and the name and location of the storage or disposal site for the removed material. A copy of the Fiber Release Episode Report Form is attached.
- Copies of all inspection reports, results and amendments will be kept in the file with the Operations and Maintenance Program and activity reports. This also includes results of any re-inspections or

- periodic surveillance as prescribed in 4) CFR 763.85 (b) and 40 CFR 763.92 (b).
- o. Current lists of ail custodians and maintenance personnel including name, address, date of hire, asbestos training course, and dates, as well as copies of certificates from any special related courses taken by the employees. A copy of the Maintenance/Custodial Staff Training Report Form is attached.
- A current list of all areas where asbestos removal, enclosures, or encapsulation has taken place. A copy of the Asbestos Abatement Activity Record Form is attached.
- A current inventory of equipment available for Operations and Maintenance activities.
- 9. Copies of ACM disposal records and/or chain of custody documentation.

All records will be maintained in a single location at the LEA site. Copies of all records and information pertinent to individual facilities will also be maintained at those facilities by the designated campus asbestos coordinator.

H. WARNING LABELS

Warning labels will have been attached immediately adjacent to any friable and non-friable ACBM and assumed ACM located in routine maintenance areas as per 40 CFR 763.95. The labels will be of a size, print, and color which is readily visible to persons entering an area containing ACBM. The labels will read as follows:

CAUTION

ASBESTOS HAZARDOUS

DO NOT DISTURB WITHOUT PROPER

TRAINING AND EQUIPMENT

I. BUILDING INVENTORY - ALL ACM

See "List of School Buildings and ACM Status" in Section: Management Plan Introduction.

J. PERIODIC SURVEILLANCE

All facilities will undergo a semi-annual surveillance in order to detect deterioration taking place on any ACM in the facility. This will consist of a visual evaluation of the materials and specific records will be maintained detailing the material type, damage, or deterioration noted, as well as any repair or response action undertaken. This semi-annual surveillance will be performed utilizing the protocol defined in the "plan for periodic surveillance" in the management plan.

K. EMERGENCY RESPONSE

In the event of the occurrence of an asbestosrelated emergency in a facility under the direction of the LEA, the following procedures will be employed:

- Immediately upon notice of the emergency, the party involved will vacate the area of involvement and immediately contact the LEA Coordinator and/or his designce at the facility.
- 2. If the person(s) observing the incident is trained to handle ACM activities, that person(s) will take action to immediately isolate the area of involvement from the rest of the building by evacuating any unnecessary personnel from the area, turning off or isolating all air-moving equipment in the area, isolating the area by closing all entryways, and posting warning signs indicating the presence of a hazardous area.
- 3. If the person(s) observing the incident is not trained to handle ACM activities, that person will immediately contact a member of the staff who has the appropriate training and alert that person to the problem. The trained staff member will then proceed to take the actions indicated in 2.

- 4 If the occurrence is of such a size that a response action must be designed by an accredited designer, no further work will be done and the area will remain isolated as in 2, until the appropriate response action can be determined. Otherwise, the appropriate repair/maintenance activity will commence following the performance of the procedures detailed in Section E-1 of Operations and Maintenance Activities.
- Following completion of the repair/maintenance activities, the appropriate forms will be completed as per Section G-7 Recordkeeping. These forms will become a part of the permanent Operations and Maintenance records.

L. EQUIPMENT LIST

An Operations and Maintenance Plan involves "specialized" equipment and supplies to resolve and/or control the problems. The materials can be purchased from a number of asbestos or industrial safety supply houses and some can be found in hardware stores. The following materials and equipment are commonly associated with successful operations and maintenance planning.

OPERATIONS AND MAINTENANCE PLANNING MATERIALS AND EQUIPMENT LIST

- 1. Tyvek disposable coveralls
- Rubber gloves
- Half-face dual cartridge negative pressure respirators with NIOSH-approved cartridges
- Safety goggles
- 5. Surfactant
- 6. Misting spray bottle
- Misting spray tank
- 8. Dust mop/broom
- 9. Polyethylene sheeting (six-mil)
- 10. Asbestos disposal bags (six-mil)
- 11. Fiber or metal disposal drums
- 12. Glove bags
- 13. HEPA Vacuum with attachments
- 14. Duct tape
- 15. Hand tools
- 16. Warning signs and labels
- 17. Scrim cloth for pipe wrap
- 18. Foil tape for pipe wrap
- 19. Encapsulant bridging and penetrating
- 20. Smoke tube kits

OPERATIONS AND MAINTENANCE PLANNING COST AND MATERIALS CHECKLIST

PURCHASED ITEMS

Initial Ongoing

PER BUILDING Unit Cost Quantity

Disposable Tyvek Coveralls w/Hood Bottles X-large

Rubber gloves

Half-face negative pressure dual cartridge respirators

Respirator filters

Safety goggies

Surfactant

Misting spray bottle

Misting spray tank

Polyethylene sheeting

(six-mil)

Asbestos disposai bags (six-mil)

Fiber disposal drums

Glove bags

HEPA vacuum with attachments:

vacuum bags

vacuum filters

cone attachment

Vacuum bags

Vacuum filters

Cone attachment

Duct tape

Hand tools

"DANGER: ASBESTOS_"

signs & labels

Scrim cioth for pipe wrap

Foil tape for pipe wrap

Encapsulant

- penetrating

- bridging

Smoke tube kits

M. AIR MONITORING

A requirement of 40 CFR 763.91 is that the LEA ascertain, through monitoring or historical data, the airborne concentration of asbestos libers during all maintenance and repair activities involving ACBM or assumed ACBM. Coverage of EPA's worker protection rule at 40 CFR 763.121 is extended to maintenance and custodial staff at schools who perform Operations and Maintenance activities.

These regulations establish a Permissible Exposure Limit (PEL) of 0.2 fibers per cubic centimeter (f/cm³) over 8-hours for abatement project workers and an action level of 0.1 f/cm³ that, once met or exceeded, triggers a number of required work practices including air monitoring, regulated work areas, engineering and work practice controls, respiratory protection, protective clothing, hygiene facilities and practices, training, medical surveillance and recordkeeping.

In response to the requirement of these regulations, 8-hour "time weighted average" air sampling will be conducted in all routine maintenance areas and in general occupancy areas of all buildings so that initial background concentrations of asbestos resulting from the existence of the ACBM may be determined. As well, during any small-scale, short-duration maintenance activity involving ACM, air monitoring will be performed as follows:

- Personal samples will be collected from the breathing zone of the employee(s) performing the maintenance activity.
- Area samples will be collected in the vicinity of the maintenance activity so that a determination may be made of the level of contamination expected to be produced in surrounding areas as a result of the activity.

All air monitoring will be done in accordance with 40 CFR 763.121 including collection on 0.8 micrometer 25-millimeter filters mounted in an open-face filter holder and analysis using the NIOSH 7400 method. The samples will be taken for the determination of the 8-hour time weighted average concentrations and ceiling concentrations of asbestos fibers.

Following analysis of the air filters, results of all analyses will be recorded on the O&M Maintenance Activity form for inclusion in the Operations and Maintenance Program's permanent records. A copy of the Air Monitoring Data and Log is attached.

N. MEDICAL MONITORING

Medical monitoring is required for all employees working on or around ACBM where exposure is likely to exceed the OSHA action level of 0.1 f/cm³, 8-hour TWA during the course of work. This is required through 40 CFR 763.91's extension of Epa's Worker Protection Rule at 40 CFR 763.121 to maintenance and custodial staff at schools who perform operations and maintenance activities.

This medical monitoring program will be provided to all persons at the cost of the LEA as required by the regulations. The program will consist of the following elements:

- Preplacement Examination will be provided within 30 days of commencement of employment and will include a medical history, chest X-ray, and pulmonary function test as per 40 CFR 763.121(J)(2).
- Annual Examinations will be provided at least annually and will include medical history, chest X-ray, and pulmonary function tests as per 40 CFR 763.121(J)(3).
- Termination Examination will be provided within 30 days pre or post termination date and will include medical history, chest X-ray, and pulmonary function tests as per 40 CFR 763.121(J)(4).

Where determined by medical examination that an individual cannot work while wearing a respirator, that person will not be required or allowed to perform maintenance activities involving ACBM. Medical records will be maintained in the personnel files and be made available to the Environmental Protection Agency, the Assistant Secretary of Labor for Occupational Safety and Health, the Director of NIOSH, authorized physicians, and upon the request of the employee (or former employee) to his physician. All records will be maintained for at least 20 years as required by 40 CFR 763.121(f)(6).

OPERATIONS AND MAINTENANCE CODES

The following codes are intended for use as reference to the general requirements for Preventive Measures by material types. The codes are referenced in the inspection results location of the Management Plan and are presented here for convenience.

The codes given are for all friable ACBM and non-friable ACBM that have the potential to become friable during school maintenance activities involving the material. In all cases, the description of activities in the Operations and Maintenance Codes refers back to the specific requirements detailed in the Operations and Maintenance program and 40 CFR 763.

OMA - Pipe Insulations and Mudded Joint Fittings

Work area preparation and cleaning must in accordance with the requirement of 40 CFR 763.91(d).

Repair minor dents and tears in the protective jacket with duct tape or bridging encapsulant with glass cloth reinforcement. Duct tape should only be used for temporary control until the bridging encapsulant is installed.

For small-scale, short-duration activities, if glove bag removal is not feasible, wrap uncovered pipe insulation with protective jackets consisting of a bridging encapsulant with glass cloth reinforcement. If a glove bag is used, it must be used in accordance with Section E-3 of Operations and Maintenance Activities.

Wrap moderately water damaged or contact damaged pipe insulations with new protective jackets, or re-insulate affected areas. Eliminate the source of the water damage. Any activity other than small-scale, short-duration requires design by a person accredited to design response actions. The activity must be undertaken by those accredited to perform them. Therefore, those types of activities will not be undertaken on a routine basis.

Monitor the condition of the asbestos-containing materials, under procedures outlined in the "Plan for Periodic Surveillance" located in the Management Plan.

Clean area, as necessary, using procedures detailed in Section D of Additional Cleaning.

OMB - insulation on Boilers, Breeching, Ducts, etc.

Work area preparation and cleanup must be in accordance with the requirements of 40 CFR 763.91 (d).

Repair minor dents and tears in insulation on boilers and breeching with a bridging encapsulant with glass cloth reinforcement. Duct tape or nonaspestos mastic should only be used for temporary control until the protective jacket is applied.

Wrap uncovered insulations with new protective jackets or coverings consisting of a bridging encapsulant with glass cloth reinforcement.

Minor damage to duct work insulated with ACM should be repaired with a bridging encapsulant with glass cloth reinforcement. Duct tape or non-asbestos mastic should only be used for temporary control until the protective jacket is applied.

If any small-scale removal is required as a part of the repair process or maintenance activity, then a glove bag or mini-enclosure must be used as described in Section E-3 of Operations and Maintenance Activities. Clean the area, as necessary, using procedures detailed in Section D of Additional Cleaning.

Monitor the condition of the asbestos-containing materials, under procedures outlined in the "Plan for Periodic Surveillance" located in the Management Plan.

OMC - Fireproofing

Work area preparation and cleaning must be in accordance with the requirements of 40 CFR 763.91(d).

The fireproofing may be sprayed with an encapsulant if the fireproofing is well-bonded to its substrate and is less than one inch thick. This is to be considered a temporary control measure with a life expectancy of five to six years. Test results have shown that, due to the impact of the spray, spraying with an encapsulant can, on occasion, cause more fibers than a gross wet removal project. ACM removal, enclosure or encapsulation, can only be performed if it is classified as a small-scale, short-duration maintenance activity NOT intended as asbestos abatement as defined in Appendix B to Subpart E of 40 CFR 763.91. In cases where the activity is not small-scale, the activity must be designed and performed by an accredited person.

Use caution when work involved hanging ducts, conduit or pipes, etc. from surfaces sprayed with fireproofing. Avoid disturbing fireproofing whenever possible.

All materials must be monitored as detailed in the section "Plans for Periodic Surveillance" located in the Management Plan.

Clean the area, as necessary, using procedures detailed in Section D of Additional Cleaning.

OMD - Acoustical Plasters (Sprayed On/Trowelled On)

If the plaster is in good condition, with no delamination, deterioration or signs of water damage, it should be left alone but carefully monitored for signs of change in status. This must be performed as detailed in the "Plan for Periodic Surveillance" in the Management Plan.

If the plaster is water damaged and/or is becoming delaminated from the substrate, it should be removed rather than encapsulated. Encapsulation can make the condition worse by increasing the rate of delamination. The source of the water damage must be eliminated. Unless the required removal is a part of a required small-scale, short-duration maintenance activity then the removal/repair must be designed and performed by an accredited person.

Avoid disturbing acoustical plaster by not hanging plants, drilling holes in the ceiling, moving furniture, etc. Work area preparation and cleanup for all types of maintenance work must be in accordance with the requirements of 40 CFR To3.912(d). When the plaster must be disturbed, mist the affected area with amended water and use a HEPA vacuum to collect fibers being released.

All materials must be monitored as detailed in the section "Plans for Periodic Surveillance" located in the Management Plan.

Clean the area, as necessary, using procedures detailed in Section D of Additional Cleaning.

OMF - Debris

Work area preparation and cleanup must be in accordance with the requirements of 40 CFR 763.91(f) for minor fiber release episodes (three square or linear feet or less of friable ACM).

Small amounts can be cleaned up using a HEPA vacuum and wet wiping or set mopping. Dispose of larger pieces by misting and carefully moving the pieces to an asbestos disposal bag to be properly discarded. Repair of the damaged material that resulted in the debris must be performed as per 40 CFR 763.91 (f)(iv).

OMG - Ceiling Tiles

Work area preparation and cleanup must be in accordance with the requirements of 40 CFR 763.91(f) for minor fiber release episodes (three square or linear feet or less of friable ACM).

When ceiling tiles are noted as asbestoscontaining materials, precautions can be taken to greatly minimize exposure from the tiles.

Whenever the tiles are cut, broken, or damaged, they should be disposed of properly and replaced by new tiles. Replacement tiles must be asbestos free. Tiles should never be broken to fit into an asbestos disposal bag. Any activity other than small-scale, short-duration maintenance activities must be designed and performed by an accredited person.

All materials must be monitored as detailed in the section "Plans for Periodic Surveillance" located in the Management Plan.

OMH - Tape/Woven Paper

Work area preparation and cleanup must be in accordance with the requirements of 40 CFR 763.91(f).

Asbestos-containing tape is used primarily for sealing seams on duct work. Loose or frayed ends of the tape must be wetted with amended water, cut, and properly disposed. Care must be taken not to damage the tape by ripping or tearing it during this procedure.

Damaged tape should be carefully painted with a bridging encapsulant with minimal overspray or overbrushing. When the tape must be disturbed, mist it with amended water (unless the disturbance is due to the encapsulation process) and use a HEPA vacuum to collect fibers being released.

OMI - Miscellaneous/ Cementitious Materials

Fiber release from cementitious (non-friable) materials is normally extremely low, unless these materials are broken, drilled, sanded or otherwise disturbed. During disturbance, the material should be thoroughly dampened and a HEPA vacuum used to collect fibers being released. Work area preparation and cleanup must be in accordance with 40 CFR 763.91(d). Some examples of cementitious materials that may contain asbestos are:

- Floor tiles
- Tile underlay
- Wail plasters (some)
- Transite pipes
- Scratch coats
- Drywall plaster (some)
- Transite panelling
- Linoleum
- Asbestos cement pipes

OMI - Other Materials

This code applies to miscellaneous ACM that rarely creates a significant problem but can nose. an exposure risk when being damaged or removed. Listed are some of the asbestoscontaining materials that fali into classification. If an asbestos-containing material is not directly addressed in the operations and maintenance codes, ЭD operations maintenance procedure may be applied using one or more of the codes that involve similar materials. All disposal must be in accordance with Section F of Waste Disposal.

Batt Insulation - Cutting or tearing the asbestoslayered paper backing can cause fiber release. Wet the backing with amended water and wear a half-face respirator if batting needs to be cut or moved.

Friable Wallboard - Precautions must be taken to minimize exposure from the wallboard. Replace broken or damaged wallboard with a non-asbestos material. If removal is necessary, wet the material and try to remove it in one piece. The wallboard must never be broken up to fit into an asbestos disposal bag.

Vibration Joint Cloth - Vibration joint cloth is most often found on duct work near air handlers. Loose or frayed ends should be wet with amended water or a diluted encapsulant. Carefully cut and remove the joint cloth and dispose of properly.

Earth Floors - When mechanical insulations located in crawl spaces or tunnels deteriorate or are damaged, the earth floors beneath them can become contaminated. Often the asbestos materials are broken up and ground into the loose earth by maintenance workers performing work in these areas. All work involving contaminated soil must be designed and performed by accredited persons.

Vinyl Asbestos Floor Tiles (VAT) - Damaged, vinyl floor tiles can become friable and could present a problem when a small-scale, short-duration maintenance activity requires removal of small areas of VAT, work area preparation and cleaning must be in accordance with 40 CFR 763.91 (d). Mix amended water to a slightly stronger than normal strength. Spray the entire surface of the tiles to be removed, wait six to eight hours and repeat the spraying. Most vinyl

asbestos tile glues are water soluble and the tiles will loosen so that they may be physically removed, placed in a scaled plastic bag, and disposed of as asbestos waste. When the tiles are loose, the ends will curl up or under. Always dispose of the paper underlay material with the VAT, as it usually contains asbestos. In most cases, VAT removal will be designed and performed by accredited persons.

INITIAL/ADDITIONAL CLEANING RECOMMENDATIONS

(Supplement to O&M Plan)

This section is provided as a supplement to the Operations and Maintenance Plan included in this document, as required by 40 CFR 763.91 (c) and 763.93 (e)(9).

The AHERA regulations require that each LEA which after inspection was found to contain areas with friable ACBM, damaged or significantly damaged thermal system insulation ACM, or friable suspected ACBM assumed to be ACM, the area(s) will be asbestos cleaned at least once after the completion of the inspection and before the initiation of any response action other than O&M Procedures or repair. The procedures for the required cleaning are found in 40 CFR 41852; however, a more detailed description is found in the body of the O&M Plan, "Initial Cleaning".

Hall-Kimbrell and the accredited Management Planner agree with the EPA to the need for a thorough asbestos cleaning of the areas described above. That initial cleaning measure is necessary in order to collect and remove as much of the settled asbestos dust and fibers as possible that have been deposited over the past months or years. However, all materials containing asbestos should not be treated equally under this provision, since depending on the material's degree of friability, accessibility, asbestos content, condition. and other variables, the amount of asbestos contamination in and around the area will vary greatly. The accredited inspector performed an assessment of the materials taking into consideration these and other variables which contribute to the likelihood/probability of routine or accidental fall out and possible building occupant exposure. The relative degree of exposure potential and, therefore, past fall out probability are inter-related in that a material whose damage category has been determined to

be damaged or significantly damaged has a very high probability of having produced a higher degree of area contamination than a similar material with a rating of "potential for damage".

In order to aid the school district in understanding the relative degrees of exposure and/or contamination potential and probability. Hall-Kimbrell has provided three (3) priority ranking categories. Hall-Kimbrell's recommendation for cleaning in and around the areas is as follows:

Priority 1 Materials/Areas

- A) Initial cleaning as described in the O&M Plan as soon as feasible but in no event later than July 9, 1989.
- B) Additional cleaning as was performed initially at least once every two months until materials are abated.

Priority 2 Materials/Areas

- A) Initial cleaning as described in O&M Plan no later than July 9, 1989. NOTE: For economic efficiency, the LEA should perform the initial cleaning at the same time as the Priority I materials/areas are cleaned.
- B) Additional cleaning, as was performed initially, at least once every six months thereafter until materials are abated.

Priority 3 Materials/Areas

Since these materials are either non-friable ACBM, non-friable assumed ACM, or other weilbound miscellaneous material with a low likelihood of exposure potential or contamination under routine use, Hall-Kimbreil does not feel that initial nor additional cleaning is absolutely necessary. However, since past renovations, remodeling, or other possible disturbance may have occurred and unknown to Hall-Kimbreil the school district should use its best judgement based on past activities in determining whether these Priority III materials should be treated otherwise.

LEA Response to Cleaning Recommendations

The AHERA regulations require that the LEA provide a response to the management planner's cleaning recommendations. If you agree with the recommendations provided and agree to conduct the necessary cleaning based on the schedule recommended indicate by checking the first block. If you do not agree and plan to carry out an alternative, additional cleaning schedule, please indicate by checking the second block and provide a description of the cleaning plan the LEA will perform.

eleani	ng plan the LEA will perform.	
_	I do agree with the recommendations that schedule.	s and cleaning schedule and will carry out the plan according to
X	I do not agree with the recommended	schedule for additional cleaning and elect the following:
	nitial cleaning will be performed prior to additional cleaning will be performed who	the initiation of any response act other than O&M or repair. en it is deemed necessary by the LEA.
-		
By:	LEA Designated Person:	Signature
By:	Management Planner	Samuel Nur? Name Signature
		John Newlin Name

OPERATIONS AND MAINTENANCE PROGRAM

FORMS

ASBESTOS ABATEMENT ACTIVITY RECORD*

District Name	·	·		<u>C</u> ampus Nar	ne:				
LEA Asbesto:	3 Coordinaton		Phone:						
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Building	Abatement	Abatement	!	Abatement	,	Abatement	All ACM		
Name	Location	Method	Abatement	Contractor	Abatement	Cost	Removed		
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^{*} This record includes all asbestos abatement undertaken that was not associated with a small-scale maintenance activity

MAINTENANCE/CUSTODIAL STAFF TRAINING RECORD

npus Name:	ous Name:					Suilding Name:					
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ACM WASTE DISPOSAL

CHAIN OF CUSTODY RECORD

Cambus		Building:	·	
Aspestos Coordinator				_
	Materia	al Summary		
Material Grigin:		Cate of Release:		
Container Type(s):		Guantity:		
Total No. of Containers:	To	tal Guantity: Yolume	Weight	
Orums Sealed: E Bags Coubled & Fied: Containers Labeled:	_			
	Material	Destination		
Name of Landfill Site:		Address:		
Landfill Site Supervisor		Phone:		
	or Asbestos Gisposat	·		
	CHAIN O	F CUSTODY		
Relinquished By	Oate and Time	Recaived By	Date and Time	Carrier
Relinquished By	Date and Time	Received By	Oate and Time	Carrier
Relinquished By	Date and Time	Received By	Date and Time	Carner
Relinquished Ry	Cate and Time	Received Bu	Date and Time	Carner

O & MICLEANING REPORT

Euilding:							
Oate(s):							
Staff Assigned							
Title	Duties						
Cleaning Methods							
Location Methods Used							
	Cleaning Methods Methods						

Signature:

Oate:

SMALL-SCALE O & M ACTIVITY REPORT

Campus:		Suilding:	<u> </u>	
Location:		start Cate: Time:	stop /	
	Maintenan	ce Activity		
Description of Activity:				
ACM Removed: YES / NO) Quantity:	Remova	al Method:	<u>_</u>
Disposal/Storage Site:Address:		Site Sur	ovr:	
	Equipment/Preve	ntive Measures		
Area Isolated	Signs Posted	HEPA Vacuum	Isolate Air Handle	ers
Tyvek Suits	Respirators	Goggies	Poly sheeting	
Disposal Bags	Disposal Orums	Duct Tape	Tools(detail below	~)
Encapsulant-Bridging	Encapsulant-penetr.	Minienclosure	Change Room	
Enctosure	Glove Bag [Amended Water	Repair Materials	detail below)
Tools and Tepair Materials-Li	st Ail			
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	Staff A	ssigned	-	
Name	Title		Outies	Date/Time start finish
Further Action Necessary:				
Comments:				

FIBER RELEASE EPISODE REPORT

Campus:	<u> </u>	Suilding:				
Location:		Cate: Time;				
Description of Episode:						
Type of Episode(Major	ar Minar):					
Person Identifying Episo	ode:					
	Correcti	ve Acrion		-		
Method of Repair / Resp	oonse Action:	·	· · · · · · · · · · · · · · · · · · ·		· · ·	
ACM Removed: YES /	NO Quantity:_		Removal Met	hod:		
Disposal/Storage Site:_ Address:			Site Supvr Phone:			
	Equipment/Preve	entive Measure	!S			
Area Isolated	Signs Posted	HEPA Vac	טטיים [solate Air Handlers	i	
Tyvek Suits	Respirators	Goggles		Poly sheeting		
Disposal Bags	Disposal Orums	Duct Tape		Tools(detail below)		
Encapsulant-Bridging	Encapsulant-penetr.	sulant-penetr. Minienciosure Change Room				
Enclosure	Giove Sag	Amended Water Repair Materials (detail below)				
Gross Removal(attach	info on contractor, and all	l activity detail	s)	Notify Asbestos Co	ordinator	
Tools and Repair Materials	s-List All				<u></u>	
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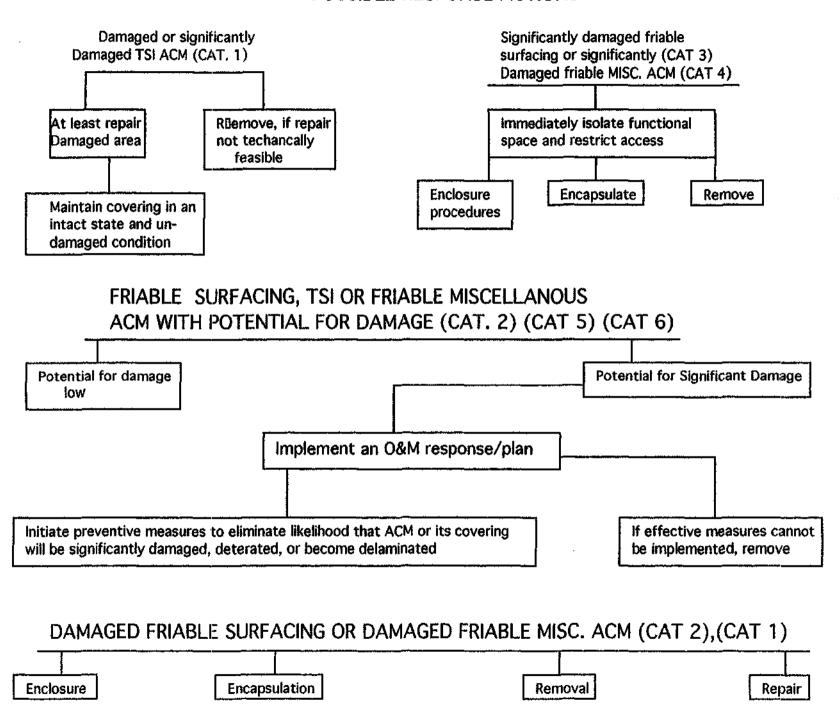
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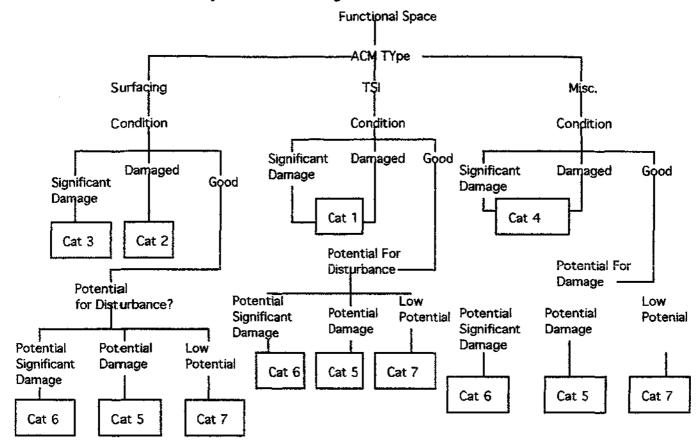
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MAJOR O & MACTIVITY REPORT

Campus:	<u></u>	Building:	·	
Location:		start stop Date:/ Time:/		
	Mainter	tance Activity		
Response Plan Desig	gner:	-	cred. #:	<i>:</i>
Description of Activit				
				11701_11
ACM Removed: YE	S / NO Quantity	Remove	i Method:	
	e: s:			
	Equipment/Pr	eventive Measures		
Area Isolated	Signs Posted	HEPA Vacuum	Isolate Air Handle	ers
Tyvek Suits	Respirators	Goggles	Poly sheeting	
Disposal Bags	Disposal Drums	Duct Tape	Tools(detail belo	w)
Encapsulant-Bridgii	ng 🔲 Encapsulant-pene	tr. Minienclosure	Change Room	
Enclosure	Glove Sag	Amended Water	Repair Materials(detail below)
Gross Removal(atta	sch info on contractor, and	all activity details)		
Tools and Repair Matc		•		
				
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Name	Title	Accreditation State Num	l l	Date/Time start finish
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Further Action Nece	ssary:	_		
Comments:				
			Date	
Supvr Signature:			Oate:	

POSSIBLE RESPONSE ACTIONS





Physical Assement Categories

Cat 1 : Damaged or Significatly damaged thermal system insulation ACBM

Cat 2 : Damaged friable surface ACBM

Cat 3 : Significantly damaged friable surfacing ACBM

Cat 4 : Damaged or significantly damaged friable miscellaneous ACBM

Cat 5 : ACBM with potenial for damage

Cat 6 : ACBM with potential for significant damage

Cat 7 : Any remaining friable ACBM or friable suspected ACBM

THIS IS TO CERTIFY THAT

JEFF SMITH

HAS ATTENDED

ABATEMENT PROJECT DESIGNER REFRESHER

TRAINING COURSE

Expliation date:_	9/24/92
Course date:	9/24/91
Course location:	Seaffle, WA
Certificate:	PDR-91-7811
Sacial Security 4:	5/2-02-7811



This refresher course certificate is given in conjunction with the original course certificate.

ENVIRONMENTAL
BUILDING
CONSULTANTS
INC.
PORTLAND, OREGON

THIS IS TO CERTIFY THAT

JEFF SMITH

HAS ATTENDED

ABATEMENT PROJECT DESIGNER REFRESHER

TRAINING COURSE

Expiration date:_	9/24/93
Course dale:	9/24/92
Course location:	Seattle. WA
Cerlificate:	PDR-92-7811
Social Security #:	543-92-7811



This refresher course certificate is given in conjunction with the original course certificate.

ENVIRONMENTAL
BUILDING
CONSULTANTS
INC.
PORTLAND, OREGON

THIS IS TO CERTIFY THAT

JEFF SMITH

HAS ATTENDED

ABATEMENT PROJECT DESIGNER REFRESHER

TRAINING COURSE

Expiration date: 09/24/94

Course date: 09/24/93

Course location: Seattle. Washington

Certificate: RF-93-7811

Social Security #: 543-92-7811

PBS

AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

ENVIRONMENTAL BUILDING CONSULTANTS, INC

For verification of the authenticity of this certificate contact: PBS Environmental 1220 S.W. Morrison, Portland, OR 97205 (503) 248-1930

THIS IS TO CERTIFY THAT

JEFF SMITH

HAS ATTENDED

AHERA ASBESTOS PROJECT DESIGNER REFRESHER

TRAINING COURSE

expiration date: _	U9/23/95
Course date:	09/23/94
Course location: _	Kent, Washington
_	RF-94-7811
Social Security #:	



AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

ENVIRONMENTAL BUILDING CONSULTANTS, INC

For verification of the authenticity of this certificate contact: PBS Environmental 1220 S.W. Morrison, Portland, OR 97205 (563) 248-15

THIS IS TO CERTIFY THAT

JEFF SMITH

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE for ASBESTOS ABATEMENT PROJECT DESIGNER REFRESHER

Course date:	09/22/95
Course location:_	Seattle, Washington
Certificate:	PDR-95-7811
Social Security #:	543-92-7811





Expiration Date: ___09/22/96

AllERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

For verification of the authenticity of this certificate contact: PBS Environmental 1220 SW Morrison, Portland, OR 97205 (503) 248-1939

This refresher course certificate is given in conjunction with the original course certificate.

David Stove

THIS IS TO CERTIFY THAT

JEFFERY SMITH

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE for ASBESTOS ABATEMENT PROJECT DESIGNER REFRESHER

Course date: 09/18/96	
Course location: Seattle, Washington	
Certificate: PDR-96-7811	
Social Security #: _543-92-7811	



Expiration Date: ____09/18/97___

AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

For verification of the authenticity of this certificate contact: PBS Environmental 1220 SW Morrison, Portland, OR 97205 (503) 248-1939

This refresher course certificate is given in conjunction with the original course certificate.

David Stover

Certificate of Completion

This is to certify that

Jeffrey L. Smith

has satisfactorily completed 8 hours of refresher training in

Project Designer

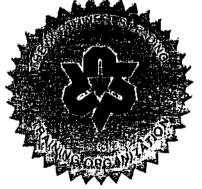
in compliance with TSCA Title II
AHERA Accredited

Sep 17, 1997

Training Administrator

Exp. Dale: Sep 17, 1998

& Prezant



Cert. # 97-3993 Conducted at: Pac Pro Safety Holiday Inn / Portand, OR



This is to certify that

Jeffrey Smith

has satisfactorily completed 8 hours of refresher training as a

Project Designer

in compliance with TSCA Title II
AHERA Accredited

Aug 28, 1998

Transit Administrator

Exp. Date: Aug 28, 1999

Prezant



Cert. # 98-08188 Conducted at: Pac Pro - Portland OR

Prezant Associates. Inc. • 330 Sixth Avenue North, Suite 200 • Seattle, Washington 98 109 • (206) 28 1-9658

Certificate of Completion

This is to certify that Jeffrey Smith

has satisfactorily completed

One day of refresher training as a Project Designer

in compliance with TSCA Title II

AHERA Accredited

Aug 28, 1999

Training Coordinator

Exp. Date: Aug 27, 2000





Cert. #991785
Conducted at:
Three Rivers Environmental, Inc.
Gladstone, OR

Prezant Associates, Inc. • 330 Sixth Avenue North, Suite 200 • Seattle, Washington 98109 • (206) 281-8858

Certificate of Completion

This is to certify that Jeff Smith

has satisfactorily completed

4 hours of refresher training as a Building Inspector

in compliance with TSCA Title II

AHERA Accredited

Sep 23, 1999

Training Coordinator

Exp. Date: Sep 22, 2000





Cert. #99-1930 Conducted at: PacPro - Gresham, OR

Prezant Associates, Inc. • 330 Sixth Avenue North, Suite 200 • Seattle, Washington 98109 • (206) 281-8858



This is to certify that

Matthew Johnson

has satisfactorily completed 4 hours of refresher training as a

Building Inspector

in compliance with TSCA Title II
AHERA Accredited

Aug 24, 1998

Training Administrator

Exp. Date: Aug 24, 1999

ে Prezant



Cert. # 98-08182 Conducted at: Pac Pro - Portland OR

Prezant Associates, Inc. : 330 Sixth Avenue North, Suite 200 · Seattle, Washington 98 109 · (206) 28 1-8858



This is to certify that

Matthew Johnson

has satisfactorily completed 3 days training as a

Building Inspector

in compliance with TSCA Title II/AHERA Accredited

Nov 17 - 19, 1997

Conducted at: Pac Pro Safety @ Pony Soldier Inn

Training Administrator

Exp. Date: Nov 19, 1998

& Prezant



Cert. # 97-4729

Exam Date: Nov 19, 1997