Consulting and Laboratory Services in the Forensic and Environmental Health Sciences BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

Client Number:

146

P.O. Box 7012

Report Number:

7273

Modesto, CA 95355

Date Received: 04/09/88

Date Examined: 04/13/88

Lab Number: 8810510

Sample Number: SVE-16B

Analyst: MF

Serria View Elementary (SVE) - Chico Unified School

District.

Location: Girl's Rest Room - Wall Plaster.

P.O.: Serria View Elementary (SVE) - Chico USD

Gross Description: White wall plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite	<1	<1	*
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRI Cellulose Mineral Wool Polyethylene	ESENT: Trace % <1 % <1 %	Trace	*
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAN Unspecified Particulates Perlite	L PRESENT: 60-65 % 30-35 %	98-99	*

Analyst:

Supervisor:

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences
BULK ASBESTOS ANALYSIS REPORT

	ervices, Inc.	Client Nu	mber: mber:	-,
P.O. Box 7012 Modesto, CA 95355		Date Rece Date Exam	ived: 04/09	9/8
Lab Number: 881051: Sample Number: SVE-160	 1 -		Analyst:	M
Site: Serria View Ele District.	ementary (SVE) - Chi		hool	
Location: Unit "E" -	Custodial Room, wal	l plaster.		
P.O.: Serria View Ele	ementary (SVE) - Chi	co USD		
Gross Description: Whi				
ig Ta				
MICROSCOPIC DESCRIPTIO	n:	1.04 1.77		
		1994 <u>9</u> Norda	~	
TOTAL ASBESTOS PRESENT Chrysotile			<1	8
Amosite Crocidolite		<1 %		
Clocidolite		<1		
TOTAL NON-ASBESTOS FIB	ROUS MATERIAL PRESEN	in a	M	
Cellulose Mineral Wool	상 열심한 중심중합 보다 살인 이루	race %	Trace	ક
Polyethylene		1		
	Solomore More Back May Control Solo	******* *		
MOMES WALL COMPANY			_	
unspecified Parti			98-99	ક
TOTAL NON-ASBESTOS NON Unspecified Parti Perlite	culates 6	0-65 % 0-35 %	98-99	*
unspecified Parti	culates 6	0-65 %	98-99	8
TOTAL NON-ASBESTOS NON Unspecified Parti Perlite Analyst:	culates 6	0-65 % 0-35 %	98-99	*

Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences
BULK ASBESTOS ANALYSIS REPORT

146

FOR Client: Hazard Management Services, Inc. Client Number: Report Number: P.O. Box 7012 Date Received: 04/09/88 Modesto, CA 95355 Date Examined: 04/13/88 Lab Number: Analyst: MF Sample Number: SVE-16D Serria View Elementary (SVE) - Chico Unified School District. Location: Unit "E" - Boy's Rest Room, wall plaster. Serria View Elementary (SVE) - Chico USD P.O.: Gross Description: White wall plaster.

MICROSCOPIC	DESCRIPTION:
-------------	--------------

TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite	<1	<1	g.
TOTAL NON-ASBESTOS FIBROUS MATERIAN Cellulose Mineral Wool Polyethylene	L PRESENT: Trace % <1 % <1 %	Trace	*
TOTAL NON-ASBESTOS NON-FIBROUS MATE Unspecified Particulates Perlite	ERIAL PRESENT: 60-65 % 30-35 %	98-99	g _t

Analyst: Supervisor:

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences BULK ASBESTOS ANALYSIS REPORT

·	 -			
Client:	FOR			
Hazard Management Servic	es, Inc.	Client Num	ber:	14
P.O. Box 7012		Report Num	ber:	727
Modesto, CA 95355		Date Recei Date Exami	ved: 04/0	9/88
Lab Number: 8810513	~			.3/88
Sample Number, SVE-16E			Analyst	: MF
Site: Serria View Element District.	ary (SVE) - Chico	Unified Sch	001	
Location: Unit "F" - Room				
	- √			
P.O.: Serria View Element	Taket and	usd		
Gross Description: White w	all plaster.			
	166 - 166 -			
- 100 전 100 전 - 100 전 100 전 - 100 전				
MICROSCOPIC DESCRIPTION:				
TOTAL ASBESTOS PRESENT:		† *	<1	8
Chrysotile Amosite				•
Crocidolite	<1 <1	* %		
3 هـ د. ي. الأن الله الله الله الله الله الله الله الل		*		
TOTAL NON-ASBESTOS FIBROUS	MATERIAL PRESENT.			
Cellulose Mineral Wool		ace %	Trace	*
Polyethylene		8		
		and the state of t		
OTAL NON-ASBESTOS NON-FIBR	Olic Wambutar bon-	-		
onspectited Particulat	es 60-		98-99	ક
Perlite	30-			
Λ -		8		
N N		₹		
inalyst:	1 per	_	. .	
		Supervisor:		
MMENTS: Analysis employs I aining, and is performed by	Polarized Light M	icroscopy wi	th Disper	 sion
bestos proficiency tasting	A an anarast dust	liled under	the EPA bi	ulk
bestiform minerals are des: 1%) asbestos. Samples in a	grated as contain	s with no ob:	servable	

(<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences
BULK ASBESTOS ANALYSIS REPORT

Hazard Management	t Services, Inc.		lient N	umber:	14
P.O. Box 7012 Modesto, CA 95355	5	D.	ate Rec	umber: eived: 04/ mined: 04/	09/88
Lab Number: 8810 Sample Number: SVE- Site: Serria View	0514 -17			Analys	t: MF
District. Location: Unit "F"			rried St	cuoot	
P.O.: Serria View	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1)		
Gross Description:	Off white fibro	ous ceiling ti	lle.		
MICROSCOPIC DESCRIP	TION:				
TOTAL ASBESTOS PRESI Chrysotile Amosite	ENT:	417 44.0 14.4 <i< b=""> − 1</i<>	*	<1	ફ
Amosite Crocidolite	4 - 14 - 15 - 15 - 15 - 15 - 15 - 15 - 1	<1 <1	*		
TOTAL NON ACRESMOS			8		
TOTAL NON-ASBESTOS P	FIBROUS MATERIA	L PRESENT: 90-95	geria. Na Val k an	90-95	8
Mineral Wool Polyethylene		<1 <1	8		
FOTAL NON-ASSESSOS N			8		
OTAL NON-ASBESTOS N Unspecified Par	TON-FIBROUS MATE rticulates	ERIAL PRESENT 5-10	t F	5-10	*
~			&		
\wedge			*		
$\sim \sim $					

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

Client Number:

146

P.O. Box 7012

Report Number:

7273

Modesto, CA 95355

Date Received: 04/09/88 Date Examined: 04/13/88

Lab Number: 8810515

Analyst: DK

Sample Number: SVE-18

Site: Serria View Elementary (SVE) - Chico Unified School

District.

Location: Unit "F" - Room #2/Class Room #16.

P.O.: Serria View Elementary (SVE) - Chico USD

Gross Description: Dark green fibrous debris.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

None Det %

Chrysotile

Amosite Crocidolite None Det % None Det % None Det %

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose

Mineral Wool
Polyethylene

Detected %

Detected % Polyethylene

Detected %

Other Fibers

Detected %

Detected %

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates

Detected %

Detected %

Detected %

Supervisor:

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences
BULK ASBESTOS ANALYSIS REPORT

	
Client: FOR	
Hazard Management Services, Inc	
P.O. Box 7012 Modesto, CA 95355	Report Number: 727 Date Received: 04/09/88 Date Examined: 04/13/88
Lab Number: 8810516 Sample Number: SVE-19 Site: Serria View Elementary (SVI	Analyst: MF E) - Chico Unified School
District. Location: County Building - Porta	
P.O.: Serria View Elementary (SVI	
Gross Description: Off white fibro	
MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile	
Amosite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIA Cellulose	<1 % % % % % % % % % % % % % % % % % % %
Mineral Wool Polyethylene	15-20 % 45-50 % <1 %
TOTAL NON-ASBESTOS NON-FIBROUS MATE Unspecified Particulates Perlite	ERIAL PRESENT: 30-40 % 5-10 % 25-30 % %
Analyst, Michalle F	Supervisor:
OMMENTS: Analysis employs Polarize	ed Light Microscopy with Dispersion

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences
BULK ASBESTOS ANALYSIS REPORT

caining, and is performed by an analyst qualified under the EPA bulk					
P.O. Box 7012 Modesto, CA 95355 Date Received: 04/09/88 Date Examined: 04/13/88 Lab Number: \$810517 Sample Number: SVE-20 Site: Serria View Elementary (SVE) - Chico Unified School District. Location: Unit "H" - Work Room, acoustic ceiling tile. P.O.: Serria View Elementary (SVE) - Chico USD Gross Description: Off white fibrous ceiling tile. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amostte Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion alining, and is performed by an analyst qualified under the EPA bulk bibestos proficiency testing proficeing viscons analyst qualified under the EPA bulk					
P.O. Box 7012 Modesto, CA 95355 Date Received: 04/09/88 Date Examined: 04/13/88 Lab Number: \$810517 Sample Number: SVE-20 Site: Serria View Elementary (SVE) - Chico Unified School District. Location: Unit "H" - Work Room, acoustic ceiling tile. P.O.: Serria View Elementary (SVE) - Chico USD Gross Description: Off white fibrous ceiling tile. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amostte Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion alining, and is performed by an analyst qualified under the EPA bulk bibestos proficiency testing proficeing viscons analyst qualified under the EPA bulk	Hazard Management Ser	vices, Inc.	Client Num	her.	1.4
Modesto, CA 95355 Date Examined: 04/09/88 Lab Number: 8810517 Sample Number: SVE-20 Site: Serria View Elementary (SVE) - Chico Unified School District. Location: Unit "H" - Work Room, acoustic ceiling tile. P.O.: Serria View Elementary (SVE) - Chico USD Gross Description: Off white fibrous ceiling tile. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion aning, and is performed by an analyst qualified under the EPA bulk bibestos proficiency testing notes.			Report Num	ber:	727
Lab Number: 8810517 Sample Number: SVE-20 Site: Serria View Elementary (SVE) - Chico Unified School District. Location: Unit "H" - Work Room, acoustic ceiling tile. P.O.: Serria View Elementary (SVE) - Chico USD Gross Description: Off white fibrous ceiling tile. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion analyst, and is performed by an analyst qualified under the EFA bulk bibestos proficiency testing notes.			Date Recei	ved: 04/0	9/88
Sample Number: SVE-20 Site: Serria View Elementary (SVE) - Chico Unified School District. Location: Unit "H" - Work Room, acoustic ceiling tile. P.O.: Serria View Elementary (SVE) - Chico USD Gross Description: Off white fibrous ceiling tile. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion anding, and is performed by an analyst qualified under the EPA bulk bibestos proficiency testing necessions.	<u> </u>		Date Exami	ned: 04/1	3/88
Site: Serria View Elementary (SVE) - Chico Unified School District. Location: Unit "H" - Work Room, acoustic ceiling tile. P.O.: Serria View Elementary (SVE) - Chico USD Gross Description: Off white fibrous ceiling tile. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion in the story of the proficiency testing normalized qualified under the EFA bulk bibestos proficiency testing normalized qualified under the EFA bulk	Lab Number: 8810517			Analvet	 . WP
Location: Unit "H" - Work Room, acoustic ceiling tile. P.O.: Serria View Elementary (SVE) - Chico USD Gross Description: Off white fibrous ceiling tile. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene FOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates FOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion identify and is performed by an analyst qualified under the EFA bulk biestos proficiency testing profi	Site: Serria View Flow				· PIE
Location: Unit "H" - Work Room, acoustic ceiling tile. P.O.: Serria View Elementary (SVE) - Chico USD Gross Description: Off white fibrous ceiling tile. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene FOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates FOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion identify and is performed by an analyst qualified under the EFA bulk biestos proficiency testing proficiency and analyst qualified under the EFA bulk				001	
MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion in the stop proficiency testing programs analyst qualified under the EFA bulk	Location: Unit "H" - W	ork Room, acoustic o	eiling tile.		
MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amostte Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion in the stop of the sto	P.O.: Serria View Eleme	entary (SVE) - Chico	USD		
MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: MANALYST: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing present qualified under the EFA bulk					
TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite Crocidolite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Concidolite Supervisor: TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: DMMENTS: Analysis employs Polarized Light Microscopy with Dispersion and is performed by an analyst qualified under the EPA bulk			3 0140.		
TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite Crocidolite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Concidolite Supervisor: TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: DMMENTS: Analysis employs Polarized Light Microscopy with Dispersion and is performed by an analyst qualified under the EPA bulk		용성의 경기 등 경기 기계 경기 경기 등 경기 기계			
TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite Crocidolite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Concidolite Supervisor: TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: DMMENTS: Analysis employs Polarized Light Microscopy with Dispersion and is performed by an analyst qualified under the EPA bulk					
TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite Crocidolite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Concidolite Supervisor: TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: DMMENTS: Analysis employs Polarized Light Microscopy with Dispersion and is performed by an analyst qualified under the EPA bulk					
TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite Crocidolite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Concidolite Supervisor: TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: DMMENTS: Analysis employs Polarized Light Microscopy with Dispersion and is performed by an analyst qualified under the EPA bulk	MICROSCOPIC DESCRIBATION				
Chrysotile Amosite Crocidolite Crocidolite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Citype Company of the Material Present: Unspecified Particulates Manalyst: Manalyst: Supervisor: Supervisor: Supervisor: Manalyst: Manalyst					
Chrysotile Amosite Crocidolite Crocidolite Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene Citype Company of the Material Present: Unspecified Particulates Manalyst: Manalyst: Supervisor: Supervisor: Supervisor: Manalyst: Manalyst	TOTAL ACRECAGO PROCESS			. ~	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing programs of the supervisor and the EPA bulk	Chrysotile			<1	8
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: MANALYST: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing programs and is performed by an analyst qualified under the EPA bulk	Amosite	그는 그 사람이 얼마를 하게 되었다. 그렇게 하는 것 같은 그 모든 그 없다고 없다.	•		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene 41 TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program analyst qualified under the EPA bulk	Crocidolite	그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	. •		
Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program analyst qualified under the EPA bulk			_		
Mineral Wool Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program analyst qualified under the EPA bulk	TOTAL NON-ASBESTOS FIBRO	US MATERIAL PRESSUE			
Polyethylene TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program	cerratose			90-95	*
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates Supervisor: Supervisor: OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing manalyst qualified under the EPA bulk					
Analyst: Supervisor: Supervisor: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program	rotyethylene	# 14.1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	•		
Analyst: Supervisor: Supervisor: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program		 Anti-Company of the Made and the property of the company of the comp	8		
Analyst: Supervisor: Supervisor: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program	TOTAL NON-ASBESTOS NON-F	IBROUS MATERIAL PRES	ENT.	F 40	_
Analyst: Supervisor: Supervisor: MMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program	Unspecified Particu	lates 5-1	= .	5-10	*
Analyst: OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program			8		
Analyst: OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion shestos proficiency testing program	•		8		
OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion sbestos proficiency testing program	\wedge		8		
OMMENTS: Analysis employs Polarized Light Microscopy with Dispersion sbestos proficiency testing program	analyst Milala on	// €,			
caining, and is performed by an analyst qualified under the EPA bulk	maryst: TICN elle	Mior	Supervisor: ,	10	
bestos proficiency testing program Samuel under the EPA bulk	OMMENTS: Analysis employ	A Polarized ticht		 	
Destos proficiency testing program Sample under the EPA bulk	aining, and is performed	by an analyst gual	icroscopy wit	h Dispers	ion
bestiform minerals are designated. Samples with no observable	Destos proficiency testi	ng program. Sample	cu under 1 8 With no obe	ine EPA by	ılk

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestion minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

Inspection DISTRICT	on Form I-1 Page of
CHOOL Sierra View Element	
Building Intermediate Wing W	n:+E Inspector
Location <u>Rower room</u> (functional area)	
Material: Surfacing (TSI) Misc Description Mudded Joint	
~	# of $(\operatorname{ft}^{2}/\operatorname{lf})$ Assumed ACM: Y / N samples
CONDITION:	Extent of damage:
03 <1% 1-10% 11-25% >25%	none local distributed
Type damage: air; deterioration; w	ater; physical; flaking
DESCRIPTION:	
POTENTIAL FOR DISTURBANCE:	PREVENTATIVE MEASURES:
Accessibility: H M L	1. Fix Leaks
Vibration : H M (1)	 Prevent water contact Do not DCSG
Vater : H M	Do not affix signs/deco's
COMMENTS:	5. Avoid contact
accessibility - Moderate herause some pipes are within reach.	REMEDIAL ACTIONS isolate/restrict repair/cleanup
	enclose encapsulate
	remove
ACBM Condition	- Assessment
Poor	 Good
(Significant damage) Fair	(little or no damage)
Hazard (Damag	ged)
	Potential Disturbance
Potential Damage	
	<u> High Moderate Low</u>
<u>High</u> <u>Moderate</u> <u>Low</u> Potential Potential	Potential Potential Significant Damage
ignificant Damage	Damage
Damage	
Hazard Hazard Rank 2 Rank 3 Rank 4	Hazard Hazard Rank 5 Rank 6

Inspection Form I-1

DISTRICT	Pageof
SCHOOL Sierra View	Date 3 -29-88
Building Uni+ D	Inspector_RB
Location Roum // (Storage (functional area)	e Room) HMS-SVE-07
Material: Surfacing TSI Mi Description <u>Mudded corner</u>	.sc.
Amount of Material (NF)/ F)	$(ft^2/\widehat{1f})$ Assumed ACM: Y / N samples
CONDITION: % damaged:	Extent of damage:
○ \$ <1% 1-10% 11-25% >25	none local distributed
Type damage: air; deterioration;	
DESCRIPTION: Excellent condit	ion of way.
POTENTIAL FOR DISTURBANCE:	PREVENTATIVE MEASURES:
Accessibility: B M L Vibration: B M L Air Erosion: B M L Water: H M D COMMENTS: Comp D+M as Figure Straight.	1. Fix Leaks 2. Prevent water contact 3. Do not DCSG 4. Do not affix signs/deco's 5. Avoid contact REMEDIAL ACTIONS isolate/restrict repair/cleanup
	enclose encapsulate
	remove
	on - Assessment
Poor (Significant damage) Fa	Good air (little or no damage)
Hazard (Dam	Potential Disturbance
Potential Damage High Moderate Low	High Moderate Low Potential Potential Significant Damage Damage Hazard Hazard Rank 5 Rank 6 Rank 7

Inspection Form I-1 DISTRICT Page of Sierra View Date 3-29-88 SCHOOL Cluit Inspector Building (functional area) % Asbestos 5-10Material: Surfacing pipewrap from compressor to Kefrigera for Description $O_{\underline{}}(\mathrm{ft}^2/\widehat{\mathrm{lf}})$ Assumed ACM: Y / N Amount of Material (NF) / F) samples Extent of damage: CONDITION: % damaged: (local) 0% (<1%) 1-10% 11-25% >25% distributed none Type damage: air; deterioration; water; physical, flaking DESCRIPTION: POTENTIAL FOR DISTURBANCE: PREVENTATIVE MEASURES: 1. Fix Leaks Accessibility: (H) Vibration 2. Prevent water contact Air Erosion 3. Do not DCSG Water Do not affix signs/deco's 4. Avoid contact REMEDIAL ACTIONS isolate/restrict repair/cleanup enclose encapsulate of equip should also be eliminated. remove ANOT frable-may become so - should be repaired.

ACBM Condition - Assessment Poor Good (Significant damage) Fair (little or no damage) Hazard (Damaged) Rank 1 Potential Disturbance Potential Damage Moderate Low High Potential Potential Moderate Low Potential Potential Significant Damage Significant Damage Damage Damage Hazard Hazard Hazard Hazard Hazard Hazard Rank 2 Rank 3 Rank 4 Rank 5 Rank 6 Rank 7

DISTRICTInspecti	ion Form I-1
school Siema View	Page of 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Building Unit A	Date <u>3-29-88</u>
1	InspectorRB
(functional area)	room HMS-SVE-11 A B
Material: Surfacing TSI Mis Description 6-8" OD piper	c. & Asbestos 5-45
Amount of Material (NF) 55	(ft ² (If) Assumed ACM: Y / N samples
CONDITION: % damaged:	Extent of damage:
1-10% 11-25% >25%	- -
Type damage: air; deterioration;	water; physical; flaking
DESCRIPTION: Generally einewron	in very good condition. Some sible at joints - no real damage.
Cracking of phipelural luis	ible attibints - no real damage.
POTENTIAL FOR DISTURBANCE:	DDFWFNMAMTVE MEAGURES
	PREVENTATIVE MEASURES:
Accessibility: H M L Vibration: H M L Air Erosion: H M D Water: H M L	 Fix Leaks Prevent water contact
Water : H M (L)	 Do not DCSG Do not affix signs/deco's
COMMENTS: M+0 exposure to	5. Avoid contact
- Occassibility, Wibratum tron	REMEDIAL ACTIONS
Boiler possible. No friable materials.	isolate/restrict repair/cleanup
Repairs would ensure no	enclose encapsulate
naterials become friable.	remove
ACBM Condition	- Assessment
Poor (Significant damage) Fair	Good
	(little or no damage)
Hazard (Damage	ed)
	Potential Disturbance
Potential Damage	
High	High Moderate Low
Potential Potential	Potential Potential
Significant Damage Damage	Damage Damage
Hazard Hazard Rank 2 Rank 3 Rank 4	Hazard Hazard Rank 5 Rank 6 Rank 7

Inspectio	n Form I-1
DISTRICT Chico Unified	Pageof
school Steva View	Date
Building Unit 6	Inspector
Location Rose 6, Roterous, Catodial En (functional area)	Bookstorage en HMS-SUE-15
Material: <u>Surfacing</u> TSI Misc Description <u>Cell-J Plantes</u> ((nard)
Amount of Material(NF / F) 850	$(ft^2)/1f$) Assumed ACM: Y / N samples
CONDITION: % damaged:	Extent of damage:
○ <1% 1-10% 11-25% >25%	none local distributed
Type damage: air; deterioration; w	ater; physical; flaking
DESCRIPTION: All cathings are in	excellent shape
	TO THE PART AND ADDRESS OF THE
POTENTIAL FOR DISTURBANCE:	PREVENTATIVE MEASURES:
Accessibility: H M C Vibration : H M D Air Erosion : H M L Water : H M L	 Fix Leaks Prevent water contact Do not DCSG Do not affix signs/deco's Avoid contact
affected by Items being	REMEDIAL ACTIONS isolate/restrict repair/cleanup
248.69	enclose encapsulate
	remove O&M
ACBM Condition	- Assessment
Poor (Significant damage) Fair	 Good (little or no damage)
Hazard (Damage	ed)
Rank 1	Potential Disturbance
Potential Damage High Moderate Low Potential Potential Significant Damage Damage	High Moderate Low Potential Potential Significant Damage Damage
Hazard Hazard Rank 2 Rank 3 Rank 4	Hazard Hazard Hazard Rank 5 Rank 6 Rank 7

DISTRICT	Inspection	n Form I-1	Page c	o f
SCHOOL Sierra V	Tien Elon.		Date 3 ~	
Building Unit		 Tnsr	pector R	
Location Room (function		se_)		03E,F,G
Material: Surfaction	ng TSI Misc. Hard ceiling	· Playter * 1	\sbestos	
Amount of Material(F) 7304	(ft ² /lf) Assı	nmed ACM: Y	# 01 / N sample
	damaged:		extent of d	
0 ⅔ <1% 1-3	LO% 11-25% >25%	none	local	distributed
Type damage: air;			_	
DESCRIPTION: Ex	callent shape	of ceilen	g plasfe	<u></u>
POTENTIAL FOR DISTU	RBANCE:	PREVENTA	TIVE MEASUR	ES:
Accessibility: H Vibration: H Air Erosion: H Water: H COMMENTS: Very h	M (L)	3. Do not DO 4. Do not an 5. Avoid cor	vater conta CSG Tix signs/ ntact MEDIAL ACTI	deco's
		enclose	2	encapsulate
		remove		O&M
	ACBM Condition -	- Assessment	- 11- 11- 11- 11- 11- 11- 11- 11- 11- 1	
Poor (Significant damage)		(1 ed)	Go ittle or n	• 1
Potential Dar	nage	High	Moderate	Low
High Moderat Potential Potents ignificant Damage Damage		Potential Significant Damage	Potential Damage	
Hazard Hazard Rank 2	Hazard Rank 4	Hazard Rank 5	Hazard Rank 6	Hazard Rank 7

Inspection Form I-1

DISTRICT	of
SCHOOL Sierra View	Date 3-29-88
Building Uni+D	Inspector RB
Location Room 13 (functional area)	HMS-SVE- 03B, CD
Material: Surfacing TSI Mi Description Hard Ceiling P	sc.
Amount of Material (NF) F) 676	(ft ² /lf) Assumed ACM: Y / N samples
CONDITION:	Extent of damage:
(3) <1% 1-10% 11-25% >25	% none local distributed
Type damage: air; deterioration;	water; physical; flaking
DESCRIPTION: Excellent shape	of plaster
POTENTIAL FOR DISTURBANCE:	PREVENTATIVE MEASURES:
Accessibility: H M L Vibration: H M D Air Erosion: H M D Water: H M L COMMENTS:	 Fix Leaks Prevent water contact Do not DCSG Do not affix signs/deco's Avoid contact
	REMEDIAL ACTIONS isolate/restrict repair/cleanup
	enclose encapsulate
	remove OWM
ACBM Conditio	n - Assessment
Poor	Good ir (little or no damage)
Hazard (Dam Rank 1	Potential Disturbance
Potential Damage High Moderate Low Potential Potential Significant Damage Damage Hazard Hazard Rank 2 Rank 3 Rank 4	High Moderate Low Potential Potential Significant Damage Damage Hazard Hazard Hazard Rank 5 Rank 6 Rank 7

Inspection Form I-1 Page of DISTRICT SCHOOL Sierra View Elem Date 3-29-88 Inspector___RB___ Building Unit D Koom 12 (functional area) HMS-SVE- 03A Location____ TSI Misc. & Asbestos 1-5
Hard Ceiling plaster (Surfacing) Description # of Amount of Material (NF) / 182 (ft2)1f) Assumed ACM: Y / N samples CONDITION: % damaged: Extent of damage: (0%) <1% 1-10% 11-25% >25% hone) local distributed Type damage: air; deterioration; water; physical; flaking DESCRIPTION: Excellent shape POTENTIAL FOR DISTURBANCE: PREVENTATIVE MEASURES: Fix Leaks Accessibility: H Vibration : H Prevent water contact Do not DCSG Air Erosion : H 3. Do not affix signs/deco's 4. 5. Avoid contact COMMENTS: 8' high eailings REMEDIAL ACTIONS isolate/restrict repair/cleanup enclose encapsulate remove ACBM Condition - Assessment Poor Good (little or no damage) (Significant damage) Fair Hazard (Damaged) Rank 1 Potential Disturbance Potential Damage <u>Moderate</u> High Low Potential <u>High</u> Potential Moderate <u>Low</u> Potential Potential Significant Damage Bignificant Damage Damage Damage Hazard Hazard Hazard Hazard Hazard Hazard Rank 2 Rank 3 Rank 4 Rank 5 Rank 6 Rank 7

Inspecti DISTRICT	on Form I-1 Page of
SCHOOL Sierra View	Date 9-29-88
Building Unit D	Inspector RB
Location Room (3 (functional area)	HMS- <u>SIF</u> = <u>0(</u>
Material: Surfacing TSI Mis Description 9" Beige Ving I	* Asbestos 1-5 # of
Amount of Material (NF) F) 6 25	(ft ² /lf) Assumed ACM: Y / N samples
CONDITION: % damaged:	Extent of damage:
0% <1%	none local distributed
Type damage: air; deterioration;	water; physical; flaking
DESCRIPTION: Excellent shape	tle
POTENTIAL FOR DISTURBANCE:	PREVENTATIVE MEASURES:
Accessibility: H M L Vibration : H M L Air Erosion : H M L Water : H M L	 Fix Leaks Prevent water contact Do not DCSG Do not affix signs/deco's Avoid contact
COMMINIO •	REMEDIAL ACTIONS isolate/restrict repair/cleanup
	enclose encapsulate
	remove
ACBM Condition	- Assessment
(Significant damage) Fai	
Hazard (Dama	iged)
Rank 1	Potential Disturbance
Potential Damage High Moderate Low Potential Potential Significant Damage Damage Hazard Hazard Hazard	High Moderate Low Potential Potential Significant Damage Damage Hazard Hazard Hazard
Rank 2 Rank 3 Rank 4	Rank 5 Rank 6 Rank 7

HMS, Inc.

HAZARD MANAGEMENT SERVICES, INC. 209-577-8209

DATE: May 4, 1988

TO: Asbestos Hazard Emergency Response Act (AHERA) Clients

FROM: James E Sharp, President

RE: Adjusted Asbestos Inspection Schedule

This is an update on HMS, Inc.'s schedule to inspect your school facilities for asbestos in compliance with the Environmental Protection Agency's Asbestos Hazard Emergency Response Act (AHERA). As you know there have been several interpretations of the rules which have caused delays. Since both the EPA and the Office of Local Assistance regulate how the inspections are to be conducted and how the management plans are to be submitted, we have maintained constant communications with both agencies. I think they have their act together now.

Another factor which has caused delay is the add-ons we have experienced in over half of the districts we have inspected. The AHERA regulation says that <u>all</u> buildings owned, leased, or otherwise used as school buildings shall be inspected. This includes district offices, maintenance buildings, bus garages, dormitories, nightwatchmen's homes (if owned by the school), outdoor education facilities, etc. If you own buildings that are abandoned or leased out to others, you do not have to inspect them unless you use them for storage or if any maintenance or custodial personnel provide services there. Of course, if you plan to reoccupy a site, you must inspect it thirty days prior to reoccupancy. Please carefully evaluate your sites so we can accurately anticipate the time and personnel necessary to keep our schedules.

Many of you have already sent in your SP-1A's or similar drawings. We use these to evaluate the time and personnel necessary to complete a districts inspections. I'm sure you are aware that many of these drawings are old and inaccurate. Usually, there have been portables added (sometimes removed), but the add-ons must be inspected. One or two additional portables have little impact, but one district had seventeen extra portables. Of greater impact is the addition of maintenance facilities, outdoor education centers, or other sites which you may not think need to be inspected. Please evaluate all the facilities within your district's uses so that we know, in advance, how to plan our time.

Below you will find a current schedule for our AHERA inspections.

HAS, Inc.

HAZARD MANAGEMENT SERVICES, INC. 209-577-8209

TO: AHERA Clients

FROM: James E Sharp, President

Hazard Management Services, Inc.

DATE: July 11, 1988

RE: OLA-AHERA Forms

Within the past few days you have received from the Office of Local Assistance copies of the AHERA MANAGEMENT PLAN REQUIRED FORMS. These long-awaited forms will now enable us to complete your asbestos inspection and management plan reports. It will be necessary for you to complete the first two sections of the AHERA General Data Form A for each site in your District. Then you must send these forms to HMS, Inc. immediately (no later than July 30, 1988).

You will have to make copies of this form so that you complete one for each site. For instance, if you have four separate schools, a district office, a maintenance yard, a bus garage and, perhaps, a separate Special Ed site, you would have to complete eight of the Form A sheets.

You must complete the <u>GENERAL DATA</u> section of the sheet which includes the name of the LEA, the school name, address and phone number, its CDS code, its enrollment and the number of school employees. Hazard Management Services, Incorporated (HMS, Inc.) will complete the number of buildings at each site.

In the <u>LEA AHERA DESIGNEE</u> section you must name the person who will be in charge of your ongoing management plan. You must complete the designee's name, address and phone number. HMS, Inc. will complete the designee's training data.

HMS, Inc. will complete the remainder of the OLA Management Plan (FORMS B-H). In order to tailor the data for your district we will be in contact with you or your AHERA designee. As soon as we complete the forms, they will be returned to you for appropriate signatures so that you can send them to the Office of Local Assistance.

If you have not received these forms please call David Smith of OLA at (916) 445-5177. If you still have questions, please call HMS, Inc. at (209) 577-8209 in Modesto or (916) 723-4350 in Sacramento.

Please complete your sections of Form A and send it to HMS, Inc. immediately. Thank you.

HMS, Inc.

HAZARD MANAGEMENT SERVICES, INC. 209-577-8209

TO: AHERA Clients

FROM: James E Sharp, President

Hazard Management Services, Inc.

DATE: July 11, 1988

RE: AHERA-required School Documents

Hazard Management Services, Incorporated (HMS, Inc.) has been unable to secure certain documents from many of our clients which are needed to develop AHERA management plans. Perhaps we have been asking the wrong people because it has become evident in many schools that previous inspections and asbestos abatement projects have occurred but we have not received records which document these activities.

In order for your AHERA management plan to be correctly completed records of <u>asbestos inspections</u> and <u>asbestos abatement activities must</u> be included. Under 40 CFR Part 763 of AHERA the following documentation of asbestos-related activity prior to December 14, 1987 is required:

- Date of inspection;
- Location and square or linear footage of sampled material;
- Laboratory analysis report;
- 4. Records of any abatement work undertaken. These abatement records should include, if applicable, the names and addresses of contractors, start and completion dates of the work, and air sampling analysis reports.

If your district has undertaken any abatement activities <u>since</u>

<u>December 14, 1987</u>, then you must have all abatement related documentation required by AHERA under Section 763.94. Your records should include the following:

- Description of action and method used;
- 2. Location of the abatement activity;
- 3. Reasons for selecting the measure or action;
- Start and completion dates of the work;
- 5. Names and addresses of all contractors;
- 6. Contractor certification and accreditation documentation;

TO: AHERA Clients DATE: July 11, 1988

RE: AHERA-required School Documents

Page Two

7. Name and location of waste disposal site (waste manifest);

- Name and signature of person(s) doing clearance air sampling;
- Dates and locations of air samples;
- 10. Laboratory report including a statement that the laboratory meets the applicable requirements of AHERA.

All districts were required to maintain records of inspections for asbestos that were done to satisfy the Asbestos-in-Schools rule of May 27, 1982. We ask that you send us copies of these records so that we may incorporate them into the management plan as required. Send us, also, copies of your records documenting abatement activity prior to and after December 14, 1987. If you have no records, please notify us in writing.

Thank you for your cooperation. If you have any questions regarding these records or other AHERA-related matters, please feel free to call us at (209) 577-8209.

Send copies of records to P.O. Box 7012, Modesto, CA 95355-7012. Sincerely,

Shirley Cartwright Project Coordinator

jrs

DATE: August 15, 1988

FROM: James E Sharp, President, Hazard Management Ser-

vices, Incorporated (HMS, Inc.)

TO: AHERA Clients

RE: LEA AHERA Designee

Thank you for sending your OLA AHERA forms to us. Those districts which have not yet selected an LEA AHERA Designee, please notify our office as soon as you have made your decision. Remember, this should be the person in charge of asbestos matters for the entire district. The most common selections are superintendents, assistant superintendents in charge of business, and heads of maintenance. Once again, please make this decision soon and notify our office promptly. We strongly recommend your LEA AHERA Designee attend the two-hour training program (mandatory for all maintenance and custodial personnel) which will be taking place soon.