INSPECTION DOCUMENTS

LEA: CHICO UNIFIED SCHOOL DISTRICT

SCHOOL: NORD ELEMENTARY

DATE OF INSPECTION: NARCH 29, 1988

INSPECTOR: RICHARD BEALL

ACCREDITATION: U. C. BERKELEY, P.A.I.C. #17

Michael & Deal

UNIVERSIMM OF CALIFORNIA

शहासिक्षा होता हो है।

UNIVERSITY EXTENSION

This is to certify that

Rick Beall

has attended and satisfactorily passed the exam

for the course

Building Inspection and Management Planning for Asbestos

November 16-20, 1987

Dissentantions sald and:

Mercuber 20, 1988

November 18 and 22, 1987 Using days

Certificate months



Vivien Sitcle

Peggan bucketer

UNIVERSITY OF CALIFORNIA UNIVERSITY EXTENSION BERKELEY

This is to certify that

RICHARD A. BEALL

has attended the refresher course for building inspectors and management planners,

Advanced Topics in Building Inspection and Management Planning December 13, 1988

Certificate number: 17

Valld until: December 13, 1989



Verien Sateker

University Extension

Della Delle Delle Delle Delle Pacific Asbestos Information Center

SUMPLARY OF FRIABLE AND NON-	FRIABLE ACEM BY BUILD) ING	04 61424 6003057
NORD ELEMENTARY SCHOOL		22 () 916 891-3138
ACCRESS Promery	(Street)	(وات)	(Za Cues)
ROUTE 1, BOX 660		CHICO	95926

NUMBER OF BUILDINGS

3

			CHECK ONE .			
LINE	BUILDING NAME		ACSM		MEDA CEMUZZA	
	(Indicate Address if Different From Above)	NONE	FRIABLE	NON- FRIABLE	FRIABLE	NON- FRIABLE
1.	UNIT A			Х		
2	UNIT B			Х		
1	STORAGE SHED	l x				
4.	PORTABLE (NEW)	x				
1						
L						
7.						
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<u>.</u>						
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16,						
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1%						
39,		1				

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FUR	
Client: Hazard Management Services, Inc.	Client Number: 146 Report Number: 7272
P.O. Box 7012 Modesto, CA 95355	Date Received: 04/09/88 Date Examined: 04/16/88
Lab Number: 8810460 Sample Number: NES-01 Site: Nord Elementary School - Chico Unifi	Analyst: BS ed School District.
Location: Unit "A" - Room #4, acoustic cei	ling tile.
P.O.: Nord Elementary School - Chico Unifi	ed School Dist
Gross Description: Yellow-to-Brown fibrous of the state o	material, core sample.
TOTAL ASBESTOS PRESENT: Chrysotile <1 Amosite <1 Crocidolite <1	%
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT Cellulose 90 Mineral Wool <1 Polyethylene <1	-95 % %
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRE: Unspecified Particulates 5-	
Analyst: James Joseph B5	Supervisor: Do
COMMENTS: Analysis employs Polarized Light 1 Staining, and is performed by an analyst qual asbestos proficiency testing program. Sample	Microscopy with Dispersion lified under the EPA bulk

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.

-----3777 Depot Road, Suite 408, Hayward, CA 94545 (415) 887-8828

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BULK ASBESTOS ANALYSIS REPORT

FOR

	FOR			
		Client Numbe Report Numbe	r:	7272
		Date Receive Date Examine		
-	Lab Number: 8810461 Sample Number: NES-02 Site: Nord Elementary School - Chico Unifie		Analyst:	BS
	Location: Unit "A" - 9" Vinyl Floor Tile an	d Backing.		
	P.O.: Nord Elementary School - Chico Unifie	ed School Dist	:	
	Gross Description: Brown floor tile, with blone side. Asbestos in til	ack tar adhes	ive on	
	MICROSCOPIC DESCRIPTION:		- -	
	TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite	ફ	1-5	ò
	TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Tra Mineral Wool <1 Polyethylene <1	ace %	Trace	ર્જ
-	TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRES Unspecified Particulates 95	SENT: -99 % % %	95-99	%
	Analyst: Dan Labou for 35	Supervisor:	<u> </u>	

COMMENTS: Analysis employs Folarized 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.

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Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:	2 020			
Hazard Management Services		Client Numb Report Numb		
P.O. Box 7012 Modesto, CA 95355		Date Receiv Date Examin	ed: 04/09	/88
Lab Number: 8810462		ييند نيدر بيت کارا باک څخه خانه څخه څخه بيې ويې	Analyst:	BS
Sample Number: NES-03 Site: Nord Elementary School	ol - Chico Unifie	d School Dis	trict.	
Location: Unit "A" - Room i	#4, 9" Vinyl Floo	r Tile, tan	and	
P.O.: Nord Elementary School	ol - Chico Unifie	d School Dis	t	
Gross Description: Tan floor black ta	r tile, with a ve r adhesive associ			
	in tile only.			
MICROSCOPIC DESCRIPTION:				
	250 100 100 100 100 100 100 100 100 100 1			-,
TOTAL ASBESTOS PRESENT:		ce %	Trace	૪
Chrysotile Amosite	<1	8		
Crocidolite		8		
TOTAL NON-ASBESTOS FIBROUS I		.ce	Trace	8
Cellulose Mineral Wool	그 이 이 돌아가 그렇게 하고 살 모네다.	8		
Polyethylene		96 96		
TOTAL NON-ASBESTOS NON-FIBRO			98-99	ક
Unspecified Particulat	es 90-	99 % %		
		8 8		
Analyst: Daul Valen	l es	Supervisor:	000	
				
COMMENTS: Analysis employs	Polarized Light M	licroscopy wi	th Disper	sion

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.

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BULK ASBESTOS ANALYSIS REPORT

FOR

Client: Hazard Management Services, Inc. P.O. Box 7012 Modesto, CA 95355	Client Numb Report Numb Date Receiv Date Examin	er: ed: 04/09/	
Lab Number: 8810463 Sample Number: NES-04A Site: Nord Elementary School - Chico Unifie	ed School Dis	Analyst:	BS
Location: Office Bathroom - Unit "A"/Room	#4, plaster w	all.	
P.O.: Nord Elementary School - Chico Unifie	ed School Dis	t	
Gross Description: Yellow-to-Brown semi-fib: sample). MICROSCOPIC DESCRIPTION:	rous material	(core	
TOTAL ASBESTOS PRESENT: Chrysotile <1 Amosite <1 Crocidolite <1	*	<1	~ ~ ~
Mineral Wool <1 Polyethylene <1	-40 %	35-40	%
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRES Unspecified Particulates 60-	SENT: -65 % % %	60-65	2 6
Analyst: Janual Jahane for Bo	Supervisor:	<u> </u>	
COMMENTS: Analysis employs Polarized Light I Staining, and is performed by an analyst qual asbestos proficiency testing program. Sample asbestiform minerals are designated as contact (<1%) asbestos. Samples in which asbestiform served, but exist in concentrations of less	lified under es with no ob ining less th m minerals ha	the EPA by servable an one per ave been of	ulk rcent b-

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BULK ASBESTOS ANALYSIS REPORT

FOR

Client: Hazard Management Services, Inc. P.O. Box 7012 Modesto, CA 95355	Client Numb Report Numb Date Receiv Date Examin	er: ed: 04/09	727 /88
Lab Number: 8810464 Sample Number: NES-04B		Analyst:	BS
Site: Nord Elementary School - Chico Unifie	d School Dis	trict.	
Location: Unit "A" - Boy's Bathroom, plaste	r wall.		
P.O.: Nord Elementary School - Chico Unifie	d School Dis	t	
Gross Description: Yellow, Brown, and White (core sample). MICROSCOPIC DESCRIPTION:	semi-fibrous	material	
MICROSCOFIC DESCRIPTION:			
TOTAL ASBESTOS PRESENT: Chrysotile <1 Amosite <1 Crocidolite <1	90	Trace	જ
Other Fibers/Actinolite Tra	ce %		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose 35- Mineral Wool <1 Polyethylene <1	40 %	35-40	8
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRES Unspecified Particulates 60-	65 % %	60-65	010
	સ્ક જ		
Analyst: Daul Valeau & es	Supervisor:	Da	
COMMENTS: Analysis employs Polarized Light M Staining, and is performed by an analyst qual asbestos proficiency testing program. Sample	ified under	the EPA b	

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BULK ASBESTOS ANALYSIS REPORT

FOR

Client:	
Hazard Management Services, Inc. P.O. Box 7012	Report Number: 727 Date Received: 04/09/88
Modesto, CA 95355	Date Examined: 04/16/88
Lab Number: 8810465 Sample Number: NES-04C Site: Nord Elementary School - Chico Unifie	Analyst: BS
Location: Unit "A" - Girl's Bathroom, plast	
P.O.: Nord Elementary School - Chico Unifie	ed School Dist
Gross Description: Yellow, Brown, and White (core sample).	semi-fibrous material
MICROSCOPIC DESCRIPTION:	
TOTAL ASBESTOS PRESENT: Chrysotile <1 Amosite Crocidolite <1	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose 55- Mineral Wool <1 Polyethylene <1	-60 % % %
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRES Unspecified Particulates 40	SENT: 40-45 % -45 % % %
Analyst: Danie Saligne to &	Supervisor:
COMMENTS: Analysis employs Polarized Light I Staining, and is performed by an analyst quasasbestos proficiency testing program. Sample asbestiform minerals are designated as contains	lified under the EPA bulk es with no observable

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(<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 Ser	vices, Inc.	Client Num Report Num	ber:	14 727:
P.O. Box 7012 Modesto, CA 95355		Date Recei Date Exami	ved: 04/09	/88
Lab Number: 8810466 Sample Number: NES-04D Site: Nord Elementary		aified School Di	Analyst:	BS
Location: Unit "A" - B				
P.O.: Nord Elementary	School - Chico Un	ified School Di	st	
Gross Description: Yell (cor	ow, White, and Br e sample).	own semi-fibrou	s material	
		H ^{ar} Ne		
MICROSCOPIC DESCRIPTION				
MOMAL ACRESCA				-
TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite		<1	<1	8
Chrysotile Amosite	DUS MATERIAL PRES	<1 % <1 % %	<1 55-60	3 6
Chrysotile Amosite Crocidolite TOTAL NON-ASBESTOS FIBRO Cellulose Mineral Wool	DUS MATERIAL PRES	<1 % <1 % <1 % <p>ENT: 55-60 % <1 % <1 %</p> <1 %		

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BULK ASBESTOS ANALYSIS REPORT

Fo: Client:	R				
Hazard Management Services, I	nc.		Number:		14
P.O. Box 7012 Modesto, CA 95355		Date Re	Number: ceived: amined:	04/09	
Lab Number: 8810467 Sample Number: NES-05A Site: Nord Elementary School -	Chico Unifie	d School		alyst:	BS
Location: Unit "A" - Boiler Ro				· · ·	
docation: Unit A - Boller Ro	om/TSI, mudded	ı joint.			
P.O.: Nord Elementary School -	Chico Unifie	d School	Dist		
Gross Description: Yellow and W	hite, semi-fi	orous ma	terial	(core	
sample).					
MICROSCOPIC DESCRIPTION:					
TOTAL ASBESTOS PRESENT:			3	5-45	%
Chrysotile Amosite	15-: 20-				
Crocidolite	20-, <1	25 6 %			
		a			
TOTAL NON-ASBESTOS FIBROUS MATE	RTAL PRESENT.		3(ð-35	%
Cellulose Programme Cellulose	30-:	35 %		0 33	•
Mineral Wool	<1				
Polyethylene (Polyethylene)		%			
TOTAL NON-ASBESTOS NON-FIBROUS	MATERTAL PRESI	ENT:	20	ð-35	e e
Unspecified Particulates	20-3		2,		
		8			
		8			

Analyst: _______ Supervisor: _______ Supervisor: _______

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BULK ASBESTOS ANALYSIS REPORT

FOR Client:	
Hazard Management Services, Inc.	Client Number: 14 Report Number: 727
P.O. Box 7012 Modesto, CA 95355	Date Received: 04/09/88 Date Examined: 04/16/88
Lab Number: 8810468 Sample Number: NES-05B	Analyst: BS
Site: Nord Elementary School - Chico Unifi	ed School District.
Location: Unit "A" - Boiler Room/TSI, mudd	led joint.
P.O.: Nord Elementary School - Chico Unifi	ed School Dist
Gross Description: Yellow and White, semi-f sample).	ibrous material (core
MICROSCOPIC DESCRIPTION:	당 댓글
TOTAL ASBESTOS PRESENT:	35-45 %
	1-15 % 1-30 %
Crocidolite <1	. b−f
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT Cellulose 30 Mineral Wool <1 Polyethylene <1	-35 % %
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRE Unspecified Particulates 20	SENT: 20-35 % 0-35 % %
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BULK ASBESTOS ANALYSIS REPORT

Client:	FOR			
Hazard Management S P.O. Box 7012 Modesto, CA 95355	ervices, Inc.	Client Num Report Num Date Recei Date Exami	ber: ved: 04/09	/88
		Date Exami		
Lab Number: 881046 Sample Number: NES-06			Analyst:	BS
Site: Nord Elementar	y School - Chico	Unified School Di	strict.	
Location: Unit "A" -	Boiler Room/TSI	- Straight, pipe	wrap.	
P.O.: Nord Elementar	y School - Chico	Unified School Di	st	
Gross Description: Ye sa	mple.	emi-fibrous materi	al, core	
TOTAL ASBESTOS PRESENT Chrysotile Amosite Crocidolite	T:	15-20 % 20-25 % <1 %	35 -4 5	%
TOTAL NON-ASBESTOS FIR Cellulose Mineral Wool Polyethylene		RESENT: 30-35 % <1 % <1 %	30-35	8
TOTAL NON-ASBESTOS NOI Unspecified Part	N-FIBROUS MATERIA iculates	AL PRESENT: 20-35 % % %	20-35	8
Analyst: Law	alone to es	Supervisor:	DQ	

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BULK ASBESTOS ANALYSIS REPORT

FOR Client: Hazard Management Services, Inc. Client Number: 146 Report Number: 7272 P.O. Box 7012 Date Received: 04/09/88 Modesto, CA 95355 Date Examined: 04/16/88 Lab Number: 8810470 Analyst: BS Sample Number: NES-07A Site: Nord Elementary School - Chico Unified School District. Location: Unit "B" - Room #2/TSI, pw straight. P.O.: Nord Elementary School - Chico Unified School Dist Gross Description: Yellow and White semi-fibrous material, core sample. MICROSCOPIC DESCRIPTION: TOTAL ASBESTOS PRESENT: 35-45 Chrysotile 15-20 Amosite 20-25 Crocidolite TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: 30-35 Cellulose Mineral Wool 욯 Polyethylene See Westler, and the TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: 20-35 Unspecified Particulates 20-35 Supervisor: De

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

7272

BULK ASBESTOS ANALYSIS REPORT

FOR Client: Hazard Management Services, Inc. Client Number: Report Number: P.O. Box 7012 Date Received: 04/09/88 Modesto, CA 95355 Date Examined: 04/16/88 Lab Number: 8810471 Analyst: BS Sample Number: NES-08 Site: Nord Elementary School - Chico Unified School District.

Location: Unit "B" - Room #2/TSI, mudded joint.

P.O.: Nord Elementary School - Chico Unified School Dist

Gross Description: Yellow and White semi-fibrous material, core sample.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT: Chrysotile 15-20 % Amosite 20-25 % Crocidolite <1 %	35-45	8
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose 30-35 % Mineral Wool <1 % Polyethylene <1 %	30-35	95
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT: Unspecified Particulates 20-35 %	20-35	%

Supervisor:

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR Client: Hazard Management Services, Inc. Client Number: Report Number: P.O. Box 7012 Date Received: 04/09/88 Modesto, CA 95355 Date Examined: 04/16/88 Lab Number: 8810472 Analyst: BS Sample Number: NES-07B Site: Nord Elementary School - Chico Unified School District. Location: Unit "B" - Room #2/TSI, pw straight. P.O.: Nord Elementary School - Chico Unified School Dist

Gross Description: White semi-fibrous material, core sample.

MICROSCOPIC DESCRIPTION: With

TOTAL ASBESTOS PRESENT:	50-60	٠
Chrysotile 25-30 %	20 00	٠
Amosite 25-30 %		
Crocidolite <1 %		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:	Trace	9,
Cellulose Trace %	irace	ъ
Mineral Wool		
Polyethylene <1		
8		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:	40 50	٥
Time-and-filed translation .	40-50	ફ
Unspecified Particulates 40-50 %		
*		

Analyst: Janul Jaloue & Supervisor:

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

	Client:		
	Hazard Management Services, Inc. P.O. Box 7012 Modesto, CA 95355	Client Number Report Number Date Received	r: 7272 d: 04/09/88
		Date Examined	1: 04/16/88
	Lab Number: 8810473 Sample Number: NES-09A Site: Nord Elementary School - Chico Unif	4	Analyst: BS
	Location: Unit "B" - Room #2, plaster wal		
	P.O.: Nord Elementary School - Chico Unif	ied School Dist	
	Gross Description: Yellow, White and Brown core sample.	semi-fibrous ma	terial,
	MICROSCOPIC DESCRIPTION:		
•	TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite	1. % 1. %	<1 %
	TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT Cellulose 35 Mineral Wool <1 Polyethylene <1	5-40 % L %	35-40 %
	TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRE Unspecified Particulates 60	SENT: 0-65 % % %	60-65 %
	Analyst: Jaul Saloue for BS	Supervisor:	2_
1	COMMENTS: Analysis employs Polarized Light Staining, and is performed by an analyst qua asbestos proficiency testing program. Sampl asbestiform minerals are designated as conta (<1%) asbestos. Samples in which asbestifor served, but exist in concentrations of less designated as present in "trace" amounts.	Microscopy with lified under the es with no obserting less than	e EPA bulk vable one percent

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46 72

BULK ASBESTOS ANALYSIS REPORT

Client:	FOR		
Hazard Management Servi	ces, Inc.		
P.O. Box 7012 Modesto, CA 95355		Date Re	Number: 72 ceived: 04/09/88 amined: 04/16/88
Lab Number: 8810474 Sample Number: NES-09B Site: Nord Elementary Sch	hool - Chic	Unified School	Analyst: BS
Location: Kitchen - Unit	"B", plaste	er wall.	
Gross Description: Off-Whi MICROSCOPIC DESCRIPTION:	ite semi-fil	orous material,	core sample.
TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite		<1	<1 %
TOTAL NON-ASBESTOS FIBROUS Cellulose Mineral Wool Polyethylene Other Fibers	MATÉRIAL P	RESENT: 10-15 % <1 % <1 % Trace %	10-15 %
TOTAL NON-ASBESTOS NON-FIB Unspecified Particula	ROUS MATERI tes	AL PRESENT: 85-90 % %	85-90 %
Analyst. James Jale	ane of Re	_ Superviso	r: <u>D</u>

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.

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BULK ASBESTOS ANALYSIS REPORT

Client: FOR			
Hazard Managers a	Client Numb		146
P.O. Box 7012 Modesto, CA 95355	Report Numb Date Receiv Date Examin	ed: 04/09,	7272 /88 /88
Lab Number: 8810475 Sample Number: NES-09C		Analyst:	
Site: Nord Elementary School - Chico Unifie		trict.	
Location: Kitchen - Unit "B", plaster wall.			
P.O.: Nord Elementary School - Chico Unifie	d School Dist	5	
Gross Description: Yellow and Tan semi-fibro sample.			
MICROSCOPIC DESCRIPTION:			
TOTAL ASBESTOS PRESENT: Chrysotile Amosite Crocidolite Other Fibers/Actinolite 71 1-5	96 96	1-5	910
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT: Cellulose Mineral Wool Polyethylene <pre></pre>		30-35	ક
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESE Unspecified Particulates 60-6	NT: 5 % % %	60-65	96
Analyst: Danie Solane for es s	upervisor:	<u> </u>	
COMMENTS: Analysis employs Polarized Light Mi Staining, and is performed by an analyst quali		Dispersi	on

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.

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BULK ASBESTOS ANALYSIS REPORT

Client:	FOR		
Hazard Management Servi	ces, Inc.	Client Number	
P.O. Box 7012 Modesto, CA 95355		Report Number Date Received Date Examined	: 04/09/88
Lab Number: 8810476 Sample Number: NES-04E Site: Nord Elementary Sch	nool - Chico Unifie	Ar	nalyst: BS
Location: Unit "A" - Girl			
P.O.: Nord Elementary Sch			
Gross Description: Off-Whi			mple.
1			•
MICROSCOPIC DESCRIPTION:		·	
TOTAL ASBESTOS PRESENT:			
Chrysotile Amosite	<1 <1	8	1 %
Crocidolite	<i< td=""><td>86 86</td><td></td></i<>	86 86	
TOTAL NON-ASBESTOS FIBROUS Cellulose Mineral Wool Polyethylene	MATERIAL PRESENT: 20-2 <1 <1	26 5 % 8	∂-35 %
TOTAL NON-ASBESTOS NON-FIBR Unspecified Particulat	OUS MATERIAL PRESE es 75-8	NT: 75 0 % %	5-8⊘ %
Analyst: Jame Jaly	au fres si	å upervisor:	2
COMMENTS: Analysis employs Staining, and is performed be asbestos proficiency testing asbestiform minerals are des (<1%) asbestos. Samples in served, but exist in concents designated as present in "tra	Polarized Light Mic y an analyst qualit program. Samples ignated as contains which asbestiform m	croscopy with D fied under the with no observ ing less than o	EPA bulk able ne percent

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BULK ASBESTOS ANALYSIS REPORT

FOR

Client:		
Hazard Management Services, Inc. P.O. Bon 7011		Number: 14 Number: 727
Modesto, CA 95265	Date Re	ceived: 04/00/23 [amined: 04/16/38
Lab Number: 8310476		Analyst: 38
Sample Mumber: NES-04E Site: Nord Elementary School - Chi	do Unitied Bohosl	
Location: Unit "A" - Girl's Bathro		
P.O.: Nord Elementary School - Chi		Diet
Gross Description: Off-White semi-f		
	-acous medecalus, ,	oora sampia.
HIGROSCOPES DESCRIPTION:		
TOTAL ASSESTOS PREFERT:		
Chrysotals	< <u></u>	
Amosite Orocadolata	<1	
	<1 < 1 < 1 × 1	
FOTAL NON-ASBESTOS FIBROUS MATERIAL	,	
요즘무료 보다 보신 경쟁	20-25)	20-35
Mineral Wool	<1	
Polyethylene	<1	
	÷	
TOTAL NON-ASBESTOS NON-FIBROUS MATER Unspecified Particulated	IAL PRESENT:	78480
and production of the country of	75-20	
	a N	
_	 	
and you have baleau for &	Superviso:	r: DO
COMMENTS: Analysis amplays bala		
Staining, and is performed by an anal- asbestes proficiency testing program	- 449AC Nadbosdopy Van kuain finad bada	With Dispersion -
asbestes proficiency testing program. asbestiform minerals are designated a	Samples with no	obsammanta .obsammanta
aspestiform minerals are designated as (<10) aspectos. Samples in which are	s containing less	than one serger-
served, but exist in concentrate	こうらもたらでは、似てび号元ぎ下注。	have been ob-
designated as present in "trace" amoun	- Leas Inan one pe nts.	erdent (<10) are
	•	

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS AMALYSTS REPORT

Gligent: Son				
dalard Managanana				
Hazard Management Services, Ins.			. 7	
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Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

Cliant: FOR Hazard Management Services, Inc.			
9.9. Box 7812 Nodesto, CA 28388		Glient Repost (Data Re-	Mumper:
Lab Mumber: Saiba-1 Sample Gamber: NGS-19 Saite: Mord Elementary School - Chir		## 5명 (설명) ## = = = = # 4 (
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FORAL WEM-ASSESTES WOM-FIES 908 (MATERI) Gospedified Particles	THE SPECIAL AND SERVICES	:	a î Haji
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Dear Local Educational Assistance Official:

Forensic Analytical Specialties, Inc., in accordance with the Asbestos Hazards Emergency Response Act, has received Accredited Laboratory status for the purpose of analyzing suspected asbestos-containing materials in schools. Verification of this accreditation can be found in the Federal Register/Vol. 53, No. 169/August 31, 1988, page 33611.

The analysis of each sample received by our laboratory becomes the responsibility of one of our qualified microscopists. Different samples within a single group or in different groups submitted by the same client may be assigned to different analysts. In order to simplify the reporting process, the analyst responsible for each sample is listed by initials in the upper right-hand corner of each report and the report is signed solely by the lab supervisor. To satisfy any questions regarding signatures bу each analyst involved characterization, listed below are the signatures corresponding to the analyst's initials which you may find on your particular set of reports:

<u>Initials</u>	Analyst Name	Analyst Signature
ВВ	Brent Beadnell	Brend Regularity
MF	Hichelle Fox	Michelle 5010
DK	David Kahane	Daml Lile
JM	Jeff Malaihollo	officer f. P. Mitmuill -
DN	David Nesbitt	Sill of latt
SAS	Stephen A. Shaffer	Stycher Chaffy
вт	Boyd Taylor	Boyd Jugler

I hope that this additional information will help clarify any issues regarding laboratory result reporting practices under AMERA. We wish you good luck in the effective implementation of your Mazard Management Plan.

Sincerely,

David Kahane

Director of Environmental Services Forensic Analytical Specialties, Inc.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. ZOJEO

7220

Stephen A. Shaffer Forensic Analytical Specialties, Inc. 3777 Depot Road Suite 408 Hayward, CA 94545

EPA Interim Laboratory Accreditation for Laboratories Which Offer Analysis of Bulk Samples for Asbestos

Dear Laboratory Director:

The U.S. Environmental Protection Agency (EPA) has completed its raview of the results of the second round of analyses in the EPA "Interim Asbestos Bulk Sample Analysis Quality Assurance Program." I am pleased to inform you that your laboratory has successfully classified each of four bulk samples submitted to your facility as either asbestos-containing or nonasbestoscontaining. Since each sample was correctly classified, a status of "accredited" has been assigned to your laboratory. As you are aware, each laboratory is also given a numerical score which does not affect your accredited status. The numerical score reflects your laboratory's performance in determining the quantity and type of asbestos in the asbestos-containing samples. Your laboratory's score is 100 %.

As announced in the FEDERAL REGISTER of March 29, 1998 (see enclosed copy), the second round of the EPA Interim Program is the last planned round of EPA accreditation. Laboratories which are accredited in the second round of this program will be considered accredited until January 12, 1989. The National Bureau of Standards (NBS) will begin formal operation of the National Voluntary Laboratory Accreditation Program (NVLAP) for laboratories which conduct analyses of bulk samples for asbestos by polarized light microscopy (PLM) in October 1949. Applications for participation in this program are currently being accepted. You may contact Dr. Larry Gallowin of MRS at (301)975-4022 for encollment information. An exception to the EPA deadline of January 12, 1989 has been made for laboratories which are accredited in the second EPA round and have enrolled in the NUS program by September 10, 1988. These laboratories will be considered accredited by EPA until MBS has completed its first evaluation of an individual laboratory's performance. The enclosed copy of the FEDERAL REGISTER notice details the period of transition from EPA accreditation to NBS accreditation. Please note that a laboratory currently accredited by EPA much enter the NBS program and receive accreditation from and to continue analysis of bulk samples from school buildings.

Should you have any questions regarding the current EPA round of accreditation, you may contact Bruce Harrey of Research Triangle Institute at (919) 541-6369. Thank you for your participation in the program.

Sincerely,

Martin P. Halper, Director

Exposure Evaluation Division (TS-799)

ADDITIONAL MANAGEMENT PLAN DATA

SAMPLING PROTOCOL

Where <u>friable surfacing materials</u> were encountered, the following sampling protocol was followed.

- 1. The homogeneous sampling area was divided into nine equal areas.
- 2. Random numbers were taken from a source (EPA's Sampling Strategy Booklet).
- 3. Three samples were collected at or near the center of the selected areas which totaled less than 1,000 square feet, five for 1,000 to 5,000 square feet, and seven or more for friable homogeneous areas greater than 5,000 square feet.

Where non-friable samples were collected, the following sampling protocol was followed:

- 1. <u>Surfacing</u> three or more samples were collected, generally in non-conspicuous locations from each homogeneous material.
- 2. <u>TSI</u> three or more samples were taken from homogeneous materials.
- 3. <u>Miscellaneous</u> one or more samples were taken from miscellaneous materials in a manner sufficient to determine the asbestos content of each homogeneous material.

In some cases materials were <u>assumed</u> to contain asbestos. This was done with materials which <u>always</u> contain asbestos (transite or aircell insulation) or with materials which had been identified as ACBM in a previous survey.

S A M P L E S 3777 Page 19. Collection of the co

BULK

ULK SAMP	PLES	. 1116	3777 Depot Rd: Suite 408 Hayward, Ca. 94545 (415) 887-8828 Page of	
Client Number		Report Number	HAZARD MANAGEMENT SERVICES, INC CHICO UNIFICO SCHOOL DIST. Bill To: District or Business	
Received By	1	Date Rec'd	Billing Address: School NOrd Elementary School Nord Elementary School	,
			3/29/88	88/1/7
Reported Results		Date/Time/By	Sent to Lab by:	date
FASI Lab#	Sample #HMS-	I I l	MATERIALS/LOCATION 3 Asbestos	stos
	NES-01			,
	NES-02	7	"9-7 A	,,
	NES-03		1: VFT - 9" - Tan & backing L: Whit A - Room # 4 TRACE	l by
1	NES-04A		ter Wall A - room # 4 (Office bathroom)	
	NE 5-04B	7.	A - Rovs Bathroom	lay J
(NES-04C	γ. 1	ter Wall	
	NES-040	Ki D	wws s	
	NES-054	KI J	1 1 1	3
1	NE305B	X: 17	1: TSI - Muddled joint 35-45	75
	NES-06	Σ; ٦	- Straight A- Boiler	7 %

BULK SAMPLES AMPLES TOTT DATE TO THE TOTAL SPECIALITIES INC. - ASBESTUS ANALISIS LABURATURI REQUEST FURTH . 3777 Depot Rd: Suite 408 Hayward, Ca. 94545 (415) 887-8828

			HAZARD MANAGEMENT SERVICES, INC CHARO UNIEGE	700H25 Q91	D/57.
Citent Number	mber .	Report Number	Bill To: District or Bus District or Bus P.O. Box 7012, Modesto, Ca 95355	80	(00)00
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	1	Date/Time/Ru	R. BEALL 3/29/88		4/4/2
keported kesuits	Resurca	vace, i ime, by	LAB Request: % Asbestos By PLM		
FASI	Sample #EMS-	I I I	MATERIALS/LOCATION		% Asbestos
	NES-	074	1: TSI - DW Strught L: Unit B - 500m # 2		35-45
	NES	30-	1: TST - Muddid soid		35-45
·	NES.	-78	N: TSI - PW Straight L: Wint B - room # 2		20-60
	NES-	S-09A	N: Plaster Wall L: Unit R - 500m # 2		- V
	NES-09B	260.	15 tor 4/4/1		~
	NES-090	090	Plaster Wall		2-1
	NES-	340	t A - Gi		
	NES-10	- 10	Lower VFT-9" - Dark Grey - 8	hacking	/-5
	NES-11	11-	N: VFT-9"- Light Olive & backing L: Unit 17 - Kitchen	9.	TRACE
	NES-		X: L:		

	APPLICATION NO.
SIGNATORE	4-2-87 DATE
priece SPIAS	SCHOOL NOKIN ELEM

SITE SUMMARY GRADES SERVED AT THIS SCHOOL

LEACHING STATIONS
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1846 17
ADMIN. & CLASSKOOMS MULTI-JSE STORAGE
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	Inspection Form I-1 DISTRICT Page	of
<u>-</u>		3-24-88
	Building Uni+ A Inspector	
	\wedge	ES- 05 A,B
	Material: Surfacing (TSI) Misc. % Asbestos Description 4" OD preuval Corner>	<u>35~45</u>
	Amount of Material (NF) F) 7 (ft ² (1f) Assumed ACM	: Y / N sample
	CONDITION:	f damage:
	0% <1% 1-10% 11-25% >25% none local	distributed
	Type damage: air; deterioration; water; physical; flak	ing
	DESCRIPTION: Excellent shape of corner, well m	udded + wrapped
	POTENTIAL FOR DISTURBANCE: PREVENTATIVE MEAS	SURES:
)-	Accessibility: H' M L Vibration: H M L 2. Prevent water con 3. Do not DCSG water: H M L 4. Do not affix sign 5. Avoid contact	
	COMMENTS: Next to storage table Very close to storage of tools. I hould not store equipment REMEDIAL AND isolate/restrict	
	<u>so clase</u> , enclose	encapsulate —
	remove	O&M
	ACBM Condition - Assessment	·
	Poor	 Good
	(Significant damage) Fair (little o	r no damage)
	Hazard (Damaged)	
	Potential	Disturbance
`	Potential Damage High Moderate Low Potential Potent Potential Potential Significant Damage	ial
,	Potential Potential Significant Damage Significant Damage Damage	
	HazardHazardHazardHazardHazardHazardRank 2Rank 3Rank 4Rank 5Rank 6	

	ion Form I-1
DISTRICT	Pageof
SCHOOL Nord Elem.	Date 3-29-88
Building Unit A	Inspector RB
Location V Room ((functional area)	HMS- <u>NES 06</u>
,	
Material: Surfacing TSI Mi Description 4000 pipew	rap
Amount of Material (NF)/F) 30	$\frac{1}{1}$ (ft ² (1f) Assumed ACM: Y / N samples
CONDITION:	Extent of damage:
0% (1%) 1-10% 11-25% >25	% none local distributed
Type damage: air; deterioration;	water; physical; flaking
DESCRIPTION: lipewrap in e	xcellent shape except for
two small location of	physical darkage from storage
POTENTIAL FOR DISTURBANCE:	PREVENTATIVE MEASURES:
Accessibility: (H) M L	1. Fix Leaks
Vibration : H M L Air Erosion : H M L	 Prevent water contact Do not DCSG
Water : H M	 Do not affix signs/deco's Avoid contact
comments: Reduce strage	
immediate areal	REMEDIAL ACTIONS isolate/restrict repair/cleanup
Piperrap should be rewrapped.	enclose encapsulate
	remove O&M
	Temove
ACBM Condition	on - Assessment
Poor	Good
(Significant damage) Fa	air (little or no damage)
Hazard (Dar	naged)
,	Potential Disturbance
Potential Damage	
	High Moderate Low
<u>High</u> <u>Moderate</u> <u>Low</u> Potential Potential	Potential Potential Significant Damage
Significant Damage	Damage
Damage	
HazardHazardHazardRank 2Rank 3Rank 4	Hazard Hazard Rank 5 Rank 6 Rank 7

	Inspection Form I-1
	DISTRICT
	3CHOOL Nord Elem. Date 3-29-88
	Building Unit B Inspector RB
	Location Room 2 Bouler/storage HMS-NEG-07 A, 13 (functional area)
	Material: Surfacing TSI Misc. & Asbestos 50-60 Description 3-4" OD pipewrap straight # of
	Amount of Material (NF) / F) 35 (ft ² (1f) Assumed ACM: Y / N samples
	CONDITION:
	0% (13) 1-10% 11-25% >25% none local distributed
	Type damage: air; deterioration; water; physical; flaking
	DESCRIPTION: Excellent was on pipes.
	POTENTIAL FOR DISTURBANCE: PREVENTATIVE MEASURES:
	Accessibility: H M L 1. Fix Leaks Vibration: H M D 2. Prevent water contact
	\ir Erosion : H M (I) 3. Do not DCSG
	5. Avoid contact
	COMMENTS: Storage of equip. Should be limited to REMEDIAL ACTIONS
	the immediate area of the isolate/restrict repair/cleanup
	enclose encapsulate
	remove O&M
	ACBM Condition - Assessment
	Poor Good (Significant damage) Fair (little or no damage)
	Hazard (Damaged)
	Rank 1 Potential Disturbance
	Potential Damage
_	High Moderate Low Potential Potential
	Potential Potential Significant Damage Damage
	Damage Damage
	Hazard H
	Rank 2 Rank 3 Rank 4 Rank 5 Rank 6 Rank 7

Inspection DISTRICT_	Form I-1 Page of	
SCHOOL Nord Elem.	Date 3-2988	
Building Unit B		
Location Room 2 (functional area)	HMS- <u>NES-</u> 08	
Material: Surfacing TSI Misc. Description mudded	* Asbestos 35-45 Asbertos corners # of	
Amount of Material (NF)/F)//	$-(ft^2(1f))$ Assumed ACM: Y / N sample	
CONDITION: * damaged:	Extent of damage:	
0% <1% 1-10% 11-25% >25%	none local distributed	
Type damage: air; deterioration; wa	iter; physical; flaking	
DESCRIPTION: Excellent pipewr	of in place	
POTENTIAL FOR DISTURBANCE:	PREVENTATIVE MEASURES:	
Accessibility: H M L Vibration: H M Vir Erosion: H M Vater: H M C COMMENTS: Ledwe strage	 Fix Leaks Prevent water contact Do not DCSG Do not affix signs/deco's Avoid contact 	
of equipment.	REMEDIAL ACTIONS isolate/restrict repair/cleanup	
	enclose encapsulate	
	remove O&M	
ACBM Condition - Assessment		
Poor (Significant damage) Fair	Good (little or no damage)	
Hazard (Damage	Potential Disturbance	
	•	
Potential Damage High Moderate Low Potential Potential Gignificant Damage Damage	High Moderate Low Potential Potential Significant Damage Damage	
Hazard Hazard Rank 2 Rank 3 Rank 4	Hazard Rank 5 Rank 6 Rank 7	

HAZARD MANAGEMENT SERVICES, INC.

Inspec DISTRICT	tion Form I-1 Page of		
school Nord Elem.	Date 3-29-88		
Building Unit B	Inspector KB		
Location Room Z Storage (functional area)	f		
	isc. later & Asbestos 1-5		
Amount of Material (NF) F) 425	ft ² /lf) Assumed ACM: Y / N samples		
CONDITION: % damaged:	Extent of damage:		
0% (1%) 1-10% 11-25% >29	none local distributed		
Type damage: air; deterioration;			
DESCRIPTION: Excellent shape a	of plaster - some physical damage		
POTENTIAL FOR DISTURBANCE:	PREVENTATIVE MEASURES:		
Accessibility: (H) M L Vibration : H M (T)	 Fix Leaks Prevent water contact 		
Air Erosion : H M (L) Water : H M (L)	3. Do not DCSG		
	 Do not affix signs/deco's Avoid contact 		
COMMENTS:	REMEDIAL ACTIONS		
	isolate/restrict repair/cleanup		
	_ enclose encapsulate		
	remove O&M		
ACBM Condition - Assessment			
 Poor	Good		
(Significant damage) Fa	air (little or no damage)		
Hazard (Dar	maged)		
101111	Potential Disturbance		
Detential Damana			
Potential Damage	 <u>High Moderate Low</u>		
<u>High</u> <u>Moderate</u> <u>Low</u> Notential Potential	Potential Potential Significant Damage		
Significant Damage	Damage		
Damage			
HazardHazardHazardRank 2Rank 3Rank 4	HazardHazardHazardRank 5Rank 6Rank 7		