

INSPECTION DOCUMENTS

LEA: CHICO UNIFIED SCHOOL DISTRICT

SCHOOL: JAY E. PARTRIDGE ELEMENTARY SCHOOL

DATE OF INSPECTION: MARCH 30, 1988

INSPECTOR: JAMES E SHARP, SR.

ACCREDITATION: U.C. BERKELEY, P.A.I.C. #4


*(name of inspector)

UNIVERSITY OF CALIFORNIA BERKELEY UNIVERSITY EXTENSION

This is to certify that

James E Sharp

has attended and satisfactorily passed the exam
for the course

Building Inspection and Management Planning for Asbestos

November 16-20, 1987

This certification is valid until:

November 20, 1988

November 18 and 20, 1987

Exam dates

4

Certificate number



Vivian Sutcher
Assistant Dean
University Extension

Deborah M.
Program Director
Pacific Asbestos Information Center

UNIVERSITY OF CALIFORNIA BERKELEY UNIVERSITY EXTENSION

This is to certify that

JAMES E. SHARP

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

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

Certificate number: 4

Valid until: December 13, 1989



Verian Suteher
Assistant Dean
University Extension

Deborah D.
Program Director
Pacific Asbestos Information Center

SUMMARY OF FRIABLE AND NON-FRIABLE ACBM BY BUILDING

CDS CODE
04 61424 6003016

SCHOOL
JAY E. PARTRIDGE ELEMENTARY SCHOOL
SCHOOL PHONE NUMBER
() 916 891-3124
ADDRESS (Number) (Street) (City) (Zip Code)
290 EAST AVENUE CHICO 95928

NUMBER OF BUILDINGS

6

LINE	BUILDING NAME (Indicate Address if Different From Above)	CHECK ONE				
		ACBM		ASSUMED ACBM		
		NONE	FRIABLE	NON-FRIABLE	FRIABLE	NON-FRIABLE
1.	UNIT A			X		X
2.	UNIT B			X		
3.	UNIT C		X	X		X
4.	UNIT D	X				
5.	LEASED PORTABLES	X				
6.	TRAILER	X				
7.						
8.						
9.						
10.						
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17.						
18.						
19.						
20.						

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7112
Date Received: 04/05/88
Date Examined: 04/15/88

Analyst: MF

Lab Number: 8809531
Sample Number: PAR-01A
Site: Partridge Elem.

Location: Pantry Wall, Kitchen Area, Unit C - plaster.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white wall plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	%
Amosite	<1	%
Crocidolite	<1	%

<1 %

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	Trace	%
Mineral Wool	Trace	%
Polyethylene	<1	%

Trace

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	75-80	%
Perlite	15-20	%

98-99 %

Analyst:

Louis Valance for MF

Supervisor:

MF

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95355

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 8809532

Sample Number: PAR-01B

Site: Partridge Elementary

Analyst: MF

Location: Custodial Closet, Unit C - wall plaster.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white wall plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	1	<1	1
Amosite	<1	3		
Crocidolite	<1	3		
		3		

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	Trace	1	Trace	1
Mineral Wool	<1	3		
Polyethylene	<1	3		
		3		

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	75-80	3	98-99	3
Perlite	20-25	3		
		3		
		3		

Analyst: David Kalane for MF

Supervisor: De

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95333

Client Number: 146
Report Number: 7112
Date Received: 04/05/88
Date Examined: 04/15/88

Lab Number: 8809533
Sample Number: PAR-01C
Site: Partridge Elementary

Analyst: MF

Location: Custodial Closet, Unit A - wall plaster.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white wall plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	3
Amosite	<1	3
Crocidolite	<1	3

<1 3

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	Trace	3
Mineral Wool	<1	3
Polyethylene	<1	3

Trace 3

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	98-99	3
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98-99 3

Analyst:

Daniel Valone for MF

Supervisor:

JE

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95335

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 8809534

Sample Number: PAR-01D

Site: Partridge Elem.

Analyst: MF

Location: Boiler Room, Main, Unit A - wall plaster.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white wall plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	3
Amosite	<1	3
Crocidolite	<1	3
		1

<1 3

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	Trace	3
Mineral Wool	<1	3
Polyethylene	<1	3
		1

Trace 1

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	98-99	3
		3
		3
		1

98-99 1

Analyst:

Daniel Valance for MF

Supervisor:

DC

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95335

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 3809535

Sample Number: PAR-02

Site: Partridge Elem.

Analyst: HF

Location: Multi-Purpose Room Ceiling. Unit C - 10" acoustic tile.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white fibrous ceiling tile.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	%	<1	%
Amosite	<1	%		
Crocidolite	<1	%		

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	90-95	%	90-95	%
Mineral Wool	<1	%		
Polyethylene	<1	%		

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	5-10	%	5-10	%
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Analyst:

David Valera for HF

Supervisor:

De

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95335

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 8809536

Analyst: MF

Sample Number: PAR-03

Site: Partridge Elem.

Location: Kitchen Water Heater Room, Unit C - pw straight.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white fibrous insulation.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	40-45	3
Amosite	25-30	2
Crocidolite	<1	2

70-75 3

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	1-5	3
Mineral Wool	<1	3
Polyethylene	<1	3

1-5 3

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	20-25	3
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20-25 3

Analyst: David Valasek for MF

Supervisor: DE

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95355

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 3809537

Sample Number: PAR-04

Site: Partridge Elem.

Analyst: MF

Location: Multi-Purpose Room, Unit C - 3' VET, dark green.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Green floor tile associated with black fibrous backing (asbestos in both).

MINERALOGIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	1-5	1
Amosite	<1	0
Crocidolite	<1	0

1-5 0

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	1-5	1
Mineral Wool	<1	0
Polyethylene	<1	0

1-5 0

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	10-25	0
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10-25 0

Analyst: Dave Kellum for MF

Supervisor: DE

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95355

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 8809538

Sample Number: PAR-05A

Site: Partridge Elem.

Analyst: MF

Location: Boy's RR - TOC acoustic.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white ceiling plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile

1-5

1-5

Amosite

<1

Crocidolite

<1

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose

Trace

Trace

Mineral Wool

<1

Polyethylene

<1

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates

95-99

95-99

Analyst:

David Volante for MF

Supervisor:

DC

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95355

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 8809539

Sample Number: PAR-05B

Site: Partridge Elem.

Analyst: MF

Location: Girls RR - TOC acoustic.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white ceiling plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile

1-5

1-5

Amosite

<1

Crocidolite

<1

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose

Trace

Trace

Mineral Wool

<1

Polyethylene

<1

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates

85-99

85-99

Analyst:

Daniel Kelen for MF

Supervisor:

DO

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95355

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 8809540

Sample Number: PAR-08C

Site: Partridge Elem.

Analyst: MF

Location: Hallway outside MPR, Unit C - TOC acoustic.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white ceiling plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile

1-5

1-5

Amosite

<1

Crocidolite

<1

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose

Trace

Trace

Mineral Wool

<1

Polyethylene

<1

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates

95-99

95-99

Analyst:

Debra K. Kline for MF

Supervisor:

DC

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95355

Client Number: 145

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 2809541

Sample Number: PAR-050

Site: Partridge Elem.

Analyst: MF

Location: Staff Break Room, Unit A - TOC acoustic.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white ceiling plaster.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	1-3	3	1-5
Amosite	<1	3	
Crocidolite	<1	3	

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	Trace	3	Trace
Mineral Wool	<1	3	
Polyethylene	<1	3	

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	95-99	3	95-99
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Analyst:

Daniel Valone for MF

Supervisor:

DE

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.

Forensic Analytical Specialties, Inc.

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 95335

Client Number: 146
Report Number: 7112
Date Received: 04/05/88
Date Examined: 04/15/88

Lab Number: 3809542
Sample Number: PAR-06
Site: Partridge Elem.

Analyst: MF

Location: Main Boiler Room, Unit A - large diameter rounded joint.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white semi-fibrous insulation.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	3
Amosite	<1	3
Crocidolite	<1	3

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	Trace	3
Mineral Wool	75-90	3
Polyethylene	<1	3

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	20-25	3
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Analyst:

Daniel Kellum for MF

Supervisor:

JE

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.

Forensic Analytical Specialties, Inc.

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

Client Number: 146
Report Number: 7112
Date Received: 04/05/88
Date Examined: 04/15/88

Lab Number: 8809540
Sample Number: PAR-07
Site: Partridge Elem.

Analyst: MF

Location: Main Boiler Room, Unit A - small diameter mudded joint.

P.O.: Partridge Elementary School, Chico, Unified S. D.

Gross Description: Off-white semi-fibrous insulation.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	3	<1	0
Amosite	<1	3		
Crocidolite	<1	3		

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	1-5	3	75-100	1
Mineral Wool	70-75	3		
Polyethylene	<1	3		

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	20-25	3	20-25	0
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Analyst: Daniel Valera for MF

Supervisor: DE

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.

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:

Hazard Management Services, Inc.

P.O. Box 7012

Modesto, CA 95355

Client Number: 146

Report Number: 7112

Date Received: 04/05/88

Date Examined: 04/15/88

Lab Number: 8809544

Sample Number: PAR-08

Site: Partridge Elem.

Analyst: MF

Location: Portable, Kindergarten Bathroom - linoleum, beige.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white linoleum floor tile associated with a white fibrous backing.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	0	<1	0
Amosite	<1	0		
Crocidolite	<1	0		

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose			15-20	0
Mineral Wool	10-15	0		
Polyethylene	<1	0		
Other Fibers	<1	0		
	1-5	0		

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	80-95	0	80-95	0
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Analyst:

David Valance for MF

Supervisor:

AC

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.

Forensic Analytical Specialties, Inc.

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 95365

Client Number: 145
Report Number: 7112
Date Received: 04/05/88
Date Examined: 04/15/88

Lab Number: 8809545
Sample Number: PAR-09
Site: Partridge Elem.

Analyst: MF

Location: Portable, Kindergarten Class - 2' x 4' ceiling panel.

P.O.: Partridge Elementary School, Chico Unified S. C.

Gross Description: Off-white fibrous ceiling tile.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	3
Amosite	<1	3
Crocidolite	<1	3

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	15-20	3
Mineral Wool	50-55	3
Polyethylene	<1	3

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	5-10	3
Perlite	20-25	3

Analyst: David K. Kane for MF

Supervisor: DE

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.

Forensic Analytical Specialties, Inc.
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

Client Number: 146
Report Number: 7111
Date Received: 04/05/88
Date Examined: 04/15/88

Lab Number: 8809546
Sample Number: PAR-10
Site: Partridge Elem.

Analyst: MF

Location: Leased Portable East, Men's RR - linoleum.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white linoleum tile associated with an off-white fibrous backing.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	3	<1	3
Amosite	<1	3		
Crocidolite	<1	3		

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose			13-15	3
Mineral Wool	10-15	3		
Polyethylene	Trace	3		
Other Fibers	<1	3		
	1-5	3		

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	30-35	3	30-35	3
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Analyst: David Valiani MF

Supervisor: X

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.

Forensic Analytical Specialties, Inc.

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 95335

Client Number: 100
Report Number: 7112
Date Received: 04/05/88
Date Examined: 04/13/88

Lab Number: 8809547
Sample Number: PAR-11
Site: Partridge Elem.

Analyst: MF

Location: Leased Portable East, Classroom - 12" VFT.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white floor tile.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	3	<1	3
Amosite	<1	3		
Crocidolite	<1	3		
		3		

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose	Trace	3	Trace	3
Mineral Wool	<1	3		
Polyethylene	<1	3		
		3		

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	88-89	3	88-89	3
		3		
		3		
		3		

Analyst:

Daniel Valance for MF

Supervisor:

MF

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.

Forensic Analytical Specialties, Inc.
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

FOR

Client Number: 145
Report Number: 7112
Date Received: 04/05/88
Date Examined: 04/15/88

Lab Number: 8809542
Sample Number: PAR-12
Site: Partridge Elem.

Analyst: MF

Location: Trailer, Math Center - acoustic ceiling panel.

P.O.: Partridge Elementary School, Chico Unified S. D.

Gross Description: Off-white fibrous ceiling tile.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:

Chrysotile	<1	3	<1	3
Amosite	<1	3		
Crocidolite	<1	3		

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:

Cellulose		3	10-25	3
Mineral Wool	90-95	3		
Polyethylene	<1	3		
	<1	3		

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:

Unspecified Particulates	5-10	3	5-10	3
		3		
		3		
		3		

Analyst: David Lalea for MF

Supervisor: DE

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, are designated as present in "trace" amounts.

FORENSIC ANALYTICAL SPECIALTIES INC. - ASBESTOS ANALYSIS LABORATORY REQUEST FORM

BULK SAMPLES

3777 Depot Rd: Suite 408 Hayward, Ca. 94545 (415) 887-8828 Page 1 of 1

Client Number		Report Number		HAZARD MANAGEMENT SERVICES, INC.		CHICO UNIFIED SCHOOL DIST.	
Received By		Date Rec'd		Bill To:		District or Business	
				P.O. Box 7012, Modesto, Ca 95355		School PARTNIDGE ELEM	
				Billing Address:		OR	
				Bldg		41/88	
Reported Results		Date/Time/By		Collected by:		Sent to Lab by:	
				JES		JES	
				2/30/88			
				LAB Request: % Asbestos By PLM			

Sample #	Sample #HMS-	I - 1 page No	MATERIALS/LOCATION	% Asbestos
PAR-01A			N: Plaster L: Party Wall - Kitchen Area - Unit C	<1
PAR-01 B			N: Wall Plaster L: Acoustical about - Unit C	<1
PAR-01 C			N: Wall Plaster L: Cardboard closet - Unit A	<1
PAR-01 D			N: Wall Plaster L: Locker Room - Main - Unit A	<1
E			N: L:	
PAR-02			N: 12" acoustic tile L: Multipurpose room ceiling - Unit C	<1
PAR-03			N: Pul straight L: Kitchen water heater room - Unit C	70-75
PAR-04			N: 9" dark green VET L: Multipurpose room - Unit C	1-5
PAR-05A			N: T-O-C acoustic L: Boys RR	1-5
PAR-05B			N: T-O-C acoustic L: Girls RR	1-5

BULK SAMPLES

3777 Depot Rd: Suite 408 Hayward, Ca. 94545 (415) 887-8828

Page 2 of 2

Client Number		Report Number		HAZARD MANAGEMENT SERVICES, INC.		CHILDED UNIFIED SCHOOL DIST.	
Received By		Date Rec'd		Billing Address:		District or Business	
Reported Results		Date/Time/By		Collected by:		Sent to Lab by:	
LAB Request: % Asbestos By PLM		Date		Date		date	

Sample #	Sample #HMS-	I - 1 page No	MATERIALS/LOCATION	% Asbestos
PAR-05C			M: TDC asbestos L: Hallway outside MPR - Unit C	1-5
PAR-05D			M: TDC asbestos L: Staff break room - Unit A	1-5
PAR-06			M: Lg. children mudroom L: Main boiler room - Unit A	<1
PAR-07			M: Small room mudroom L: Main boiler room - Unit A	<1
PAR-08			M: Linoleum - Seige L: Portable - kindergarten bathroom	<1
PAR-09			M: 2x4 oil panel L: Portable - kindergarten class	<1
PAR-10			M: Linoleum L: Sealed portable East - Men's RR	<1
PAR-11			M: 12" VFT L: Sealed portable East - Men's room	<1
PAR-12			M: Cylindrical asbestos L: Main - mudroom	<1
			M: L:	

Forensic Analytical Specialties, Inc.

Dear Local Educational Assistance Official:

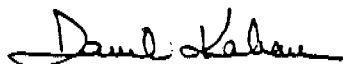
Forensic Analytical Specialties, Inc., in accordance with the Asbestos Hazards Emergency Response Act, has received Accredited Laboratory status for the purpose of analyzing suspected asbestos-containing materials in schools. Verification of this accreditation can be found in the Federal Register/Vol. 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 by each analyst involved in sample characterization, listed below are the signatures corresponding to the analyst's initials which you may find on your particular set of reports:

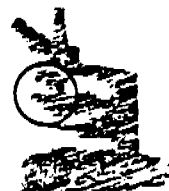
<u>Initials</u>	<u>Analyst Name</u>	<u>Analyst Signature</u>
BB	Brent Beadnell	<i>Brent Beadnell</i>
MF	Michelle Fox	<i>Michelle Fox</i>
DK	David Kahane	<i>David Kahane</i>
JM	Jeff Malaihollo	<i>Jeffrey A. Malaihollo</i>
DN	David Nesbitt	<i>David J. Nesbitt</i>
SAS	Stephen A. Shaffer	<i>Stephen A. Shaffer</i>
BT	Boyd Taylor	<i>Boyd Taylor</i>

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

Sincerely,



David Kahane
Director of Environmental Services
Forensic Analytical Specialties, Inc.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

9220

Stephen A. Shaffer
Forensic Analytical Specialties, Inc.
3777 Depot Road Suite 408
Hayward, CA 94543

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

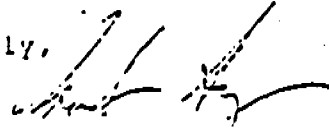
Dear Laboratory Director:

The U.S. Environmental Protection Agency (EPA) has completed its review 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 nonasbestos-containing. 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, 1988 (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 1988. Applications for participation in this program are currently being accepted. You may contact Dr. Larry Gallowin of NBS at (301)975-4022 for enrollment 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 30, 1988. These laboratories will be considered accredited by EPA until NBS 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 must enter the NBS program and receive accreditation from NBS 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 Harvey 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-733)

