



Bulk Asbestos Analysis

(EPA Method 600/R-93-116)

Chico Unified School Dist
Mr. Ron Jones

2455 Carmichael Drive
Chico, CA 95928

Client ID: 2921
Report Number: B001197
Date Received: 06/18/98
Date Analyzed: 06/19/98
Date Reported: 06/22/98

Job ID / Site: Hooker Oak Library

FASI Job ID: 2921-13

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HO--1	19813258						
		Layer: Green carpet		ND			
		Layer: Yellow Mastic		ND			
		Layer: Brown Non-Fibrous Material		ND			
		Layer: Brown Mastic		ND			

Total Composite Values of Fibrous Components:	Asbestos:(ND)	Cellulose (Trace%)	Fibrous Glass (ND)
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Dave Sandusky, Laboratory Director, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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C: asbestos binder

DISTRICT Chico Unified School District DATE January 2, 1996 1-26-98

SCHOOL Hooker Oak Elementary INSPECTOR Ron Jones

BLDG.	HOMOG. MAT.#	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
A	9" VFT	1-5	Classrooms	(1) (4) ✓
B	9" VFT	1-5	Classrooms	(7) ✓
C	9" VFT	1-5	Classrooms	(7) ✓
C	PW Str	20-25	Basement	(7) ✓
B	9" VFT	1-5	Room 3	(1) (4) ✓
B	PW Str	20-25	Basement	(7) ✓
D	PW Str	15-20	Boiler Room	(7) ✓
D	Boiler liner	50-55	Boiler Room	(1) (4) ✓
D	PW Str	15-20	MPR Stage Attic	(7) ✓
D	Duct Wrap	10-15	MPR Stage Attic West	(7) ✓
D	PW Str	20-25	Stage Basement	(7) ✓

CONDITION CODES

GENERAL CONDITION: (1) GOOD (2) DAMAGED (3) SIGNIFICANTLY DAMAGED (25% OR MORE)

CHANGE IN CONDITION: (4) NO (5) YES (IF YES, EXPLAIN UNDER COMMENTS)

ABATED: (6) REPAIRED (7) REMOVED (8) ENCAPSULATED (9) ENCLOSED (10) ISOLATED & RESTRICTED

MISC: (11) INACCESSIBLE, NO SURVEILLANCE DATA (12) OTHER (EXPLAIN UNDER COMMENTS)

DISTRICT Chico Unified School District DATE January 2, 1996 1-26-98 Page 2 of 2

SIX-MONTH SURVEILLANCE

SCHOOL Hooker Oak Elementary INSPECTOR Ron Jones

BLDG.	HOMOG. MAT.#	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
D	Mud Jnt	20-25	Boiler Room	(7) ✓
D	T-O-C	1-5	Front of Stage MPR	(7) ✓
D	T-O-C	1-5	Boiler Room	(7) ✓
D	T-O-C	1-5	MP	(7) ✓
D	Lino	5-10	Admin. Office	(1) (4) 3/4 carpeted ✓
D	9" VFT	1-5	MPR	(7) ✓
D	9" Red VFT	Assumed	Admin and Nurse's Closet Storage	(1) (4) ✓

CONDITION CODES

GENERAL CONDITION: (1) GOOD (2) DAMAGED (3) SIGNIFICANTLY DAMAGED (25% OR MORE)
 CHANGE IN CONDITION: (4) NO (5) YES (IF YES, EXPLAIN UNDER COMMENTS)

ABATED: (6) REPAIRED (7) REMOVED (8) ENCAPSULATED (9) ENCLOSED (10) ISOLATED & RESTRICTED

MISC: (11) INACCESSIBLE, NO SURVEILLANCE DATA (12) OTHER (EXPLAIN UNDER COMMENTS)

EOS ENVIRONMENTAL, INC.
ENVIRONMENTAL AND OCCUPATIONAL HEALTH SERVICES

507 MISSION STREET, SOUTH PASADENA, CA 91030
TEL. (626) 441-7050 * FAX (626) 441-0016

2110-21ST STREET #150, SACRAMENTO, CA 95814
TEL. (916) 452-5884 * FAX (916) 452-5912

**AHERA RE-INSPECTION
DOCUMENTATION**

CHICO UNIFIED SCHOOL DISTRICT

**1998
Asbestos Three Year Re-Inspection**

HOOKER OAK ELEMENTARY SCHOOL

APRIL 15, 1998

TABLE OF CONTENTS

- I. EXECUTIVE SUMMARY**
- II. MATERIAL INVENTORY**
- III. POSITIVE MATERIAL LIST**
- IV. MISSING MATERIAL LIST**
- V. DIAGRAMS**
- VI. FIELD NOTES**
- VII. INSPECTOR'S QUALIFICATIONS**

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

On April 15, 1998 , EOS Environmental, Inc. performed a visual re-inspection for asbestos containing building materials, (ACBM) at Hooker Oak Elementary. The purpose of the re-inspection was to comply with the U. S. Environmental Protection Agency (EPA) CRF 763 - AHERA requirement for a three year re-inspection.

Prior to the re-inspection, previous inspection reports were reviewed in order to determine which building materials had been previously tested and found to be asbestos containing, which were found not to contain asbestos, and if any materials had not been tested.

After the review of previous building inspections, a complete visual walk-through inspection of the site was performed. The visual inspection determined that conditions at Hooker Oak Elementary were such that all non friables and friables were in good condition at the time of this inspection.

MATERIAL INVENTORY

MATERIAL CODES

ACS - Acoustical Ceiling Spray
ACT - Acoustical Ceiling Tile
ACP - Acoustical Ceiling Panels
AIR - Air Cell
ASF - Asphalt
ASP - Asbestos Paper
BBM - Baseboard Mastic
BOI - Boiler Insulation
BOL - Blown-In Insulation
BRK - Brick
BUR - Built-up Roofing
CAP - Cement Asbestos Pipe
CAS - Cement Asbestos Siding
CIN - Cinder Block
CEM - Cement
CER - Ceramic
CUR - Curtains
DEB - Debris
DRY - Drywall
DTM - Drywall Taping Mud
ELB - Pipe Elbow (fittings)
EXP - Exterior Panels
FIR - Fire Rated Brick
FLT - Floor Tile
FRD - Fire Rated Door
FUR - Furnace Pad
GAS - Gasket
MAS - Mastic
MIS - Miscellaneous
MOR - Mortar
P/C - Pipe Cover
PLA - Plaster
SFL - Vinyl Floor Sheeting
SFP - Sprayed-on Fireproofing
SOL - Soil
STC - Stucco
TAP - Tape
TAR - Tar
RFS - Composite Roofing Shingles
RFT - Roofing Felt
ROL - Rolled Roofing Material
WOV - Woven Cloth Joint Expansion
WPY - Window Putty

POSITIVE MATERIAL LIST

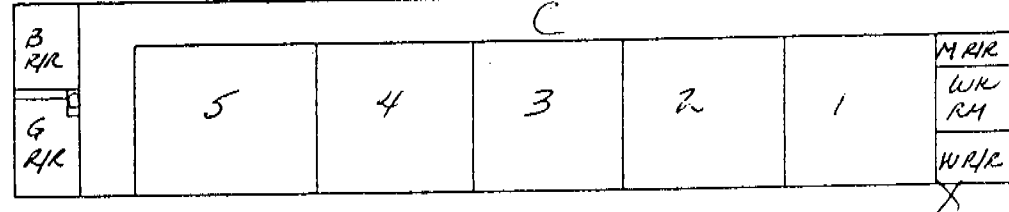
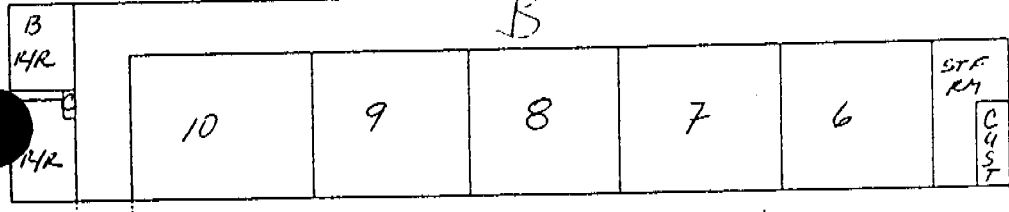
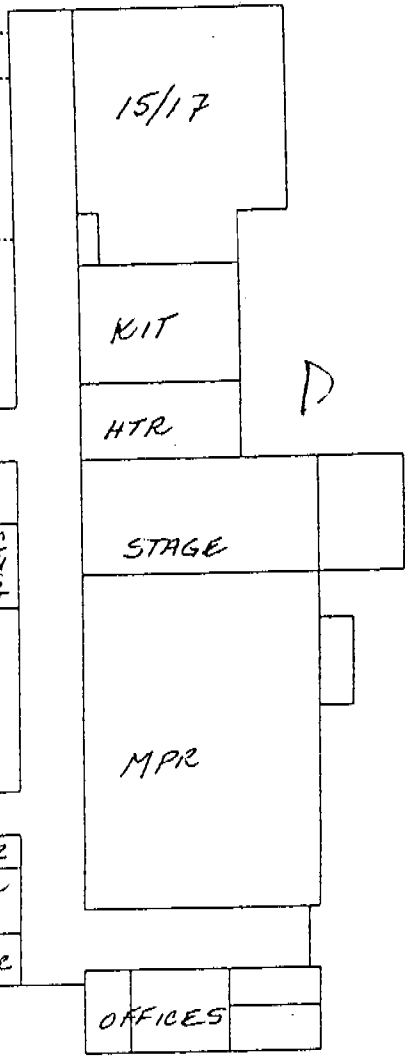
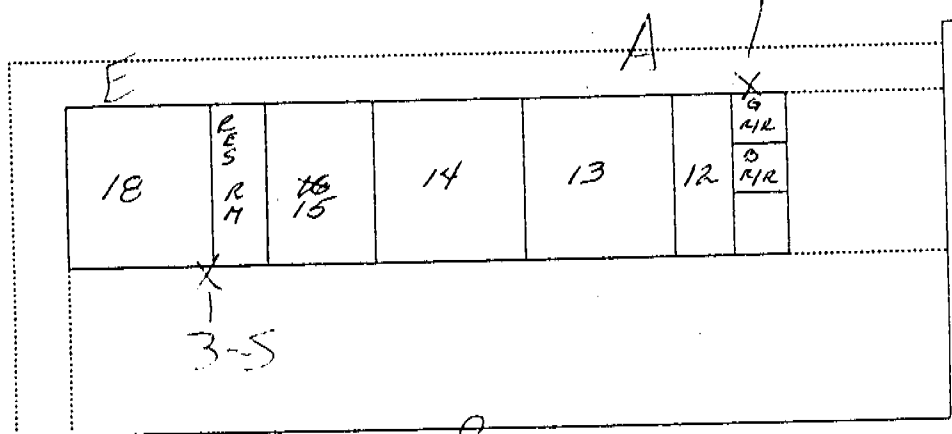
MISSING MATERIAL LIST

DIAGRAMS

LIBRARY

16

2 SC



HOOKER OAK ELEMENTARY



FIELD NOTES

These levels should be used to establish both immediate and long range plans to act on the recommendations. The Priority Levels were selected for one of the following options:

Priority Level 1 - Isolate area, restrict access and respond as soon as possible.

Priority Level 2 - Schedule Response Action as soon as possible, reduce potential for disturbance.

Priority Level 3 - Schedule response Action as soon as practical, reduce potential for disturbance.

Priority Level 4 - Schedule Response Action as soon as practical.

Priority Level 5 - Schedule Response Action upon upgrade of system or material.

Cleaning Levels:

Level 1 - Initial cleaning should be done as soon as possible and additional cleaning should be done once every two months until the ACM is removed.

Level 2 - Initial cleaning should be done as soon as possible and additional cleaning should be done once every six months until the ACM is removed.

Level 3 - The material is non-friable therefore initial or additional cleaning is not necessary.

Level 4 - Initial or additional cleaning is not required for this material.

RESPONSE ACTIONS AND PRIORITY LEVELS:

Response Actions have been recommended for all friable or assumed friable ACM that was found during the inspection. The Response Actions were selected from one of the following options:

1. Removal
2. Repair
3. Enclosure
4. Encapsulation
5. Operations and Maintenance Program
6. Periodic Surveillance

Inspector: J.R.
Site: Hooker Oak

Cert. #

Inspection Date 4/15/98

Material 9" Green VAT Area: Bldg. A Classrooms

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC	N	High		Good	Good	3000 sq	1 2 3 4 5 (5)	1 2 3 (4)	1 2 3 4 5 (5)

Justification:

Implementation

Start:

End:

Notes:

Inspector: J.R.

Cert. #

Inspection Date 4/15/98

Site: Hooker Oak

Material 9" VAT Area: Bldg. B - Room 3 - Classrooms

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC	N	High		Good	Good	5000 sq	1 2 3 4 5 (5)	1 2 3 (4)	1 2 3 4 5 (5)

Justification:

Implementation

Start:

End:

Notes:

Removed Data Unknown (under contract)

Inspector: J.R.

Cert. #

Inspection Date 4/15/98

Site: Hooker Oak

Material Boulder Liner Area: Bldg. P - Boiler RM

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
TSI	Y	Low		Good	Good	225 sq	1 2 3 4 5 (5)	1 2 3 (4)	1 2 3 4 5 (5)

Justification:

Implementation

Start:

End:

Notes: assumed

Inspector: J.R.

Cert. #

Inspection Date 4/15/98

Site: Hooker Oak

Material 9" Red VAT Area: Bldg. D - Admin & Nurses' Closet Storage

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC	N	High		Good	Good	250 sq	1 2 3 4 5 (5)	1 2 3 (4)	1 2 3 4 5 (5)

Justification:

Implementation

Start:

End:

Notes:

TSI: Thermal System Insulation SUR: Surface MISC: Miscellaneous

Hooker Oak 4-23-98

1 ~~1~~ SC Skin Coat over concrete North Side of Unit C

2 - ~~2~~ SC Skin Coat over concrete South Side of Unit A

~~3 - ~~3~~ SC Skin Coat over concrete~~

3 - S Stucco (Wall) North Side of Unit E (Old Library)

No Lab Report 4 samples pulled



EMSL Analytical, Inc

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

Phone (415) 570-5401 Fax (415) 570-5402 Pager (415) 579-5620



CHAIN OF CUSTODY

EMSL Representative: _____

Your Company Name: _____

EMSL-Bill to: _____

Street: E.O.S. Environmental, Inc.
2110 21st Street #150

Street: _____

Box #: _____

Box #: _____

City/State: Sacramento, CA Zip 95818

City/State: _____ Zip: _____

Phone Results to: Name Marc / Jim
Telephone #: (916) 952-5884

Fax Results to: Name Marc / Jim
Fax Number: (916) 952-5912

Project Name/Number: CUSD - Hooper Oak
Elementary School / S500

Purchase Order #: _____

MATRIX

- Air
- Bulk
- Wipe
- Floor Tile
- Drinking Water
- Wastewater
- Soil
- Dust

TURNAROUND

- 6-10 Days
 - 5 Days
 - 72 Hours
 - 48 Hours
 - 24 Hour
 - 12 Hour
 - Same Day*
 - 6 Hours
- *S.D. - A.M. delivery by Fed. Ex. - Results by Mid-night or earlier

<p>PCM</p> <ul style="list-style-type: none"> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> OSHA <input type="checkbox"/> Other: _____ <p>PLM</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> EPA 600 <input type="checkbox"/> NOB <input type="checkbox"/> Point Count <input type="checkbox"/> Other: _____ <p>SEM</p> <ul style="list-style-type: none"> <input type="checkbox"/> Qualitative <input type="checkbox"/> Quantitative 	<p>TEM AIR</p> <ul style="list-style-type: none"> <input type="checkbox"/> AHERA <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> Level I <input type="checkbox"/> Level II <p>TEMBULK</p> <ul style="list-style-type: none"> <input type="checkbox"/> Drop Mount (Qualitative) <input type="checkbox"/> Chatfield <input type="checkbox"/> Chatfield / SEM QC <input type="checkbox"/> Conventional (Quantitative) <input type="checkbox"/> EMSI Method <input type="checkbox"/> NOB <input type="checkbox"/> NOB / SEM QC <input type="checkbox"/> Micro Vac - Quantitative <input type="checkbox"/> Micro Vac - Qualitative 	<p>TEM WATER</p> <ul style="list-style-type: none"> <input type="checkbox"/> Wastewater <input type="checkbox"/> Drinking Water EPA 100.2 <input type="checkbox"/> Water - NY Wastewater <input type="checkbox"/> Water-NY Drinking Water <p>TEM WIPE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Quantitative <input type="checkbox"/> Qualitative <p>XRD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Asbestos <input type="checkbox"/> Silica <p>OTHER</p> <ul style="list-style-type: none"> <input type="checkbox"/> _____
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Client Sample # (s) 1198433-1SC - 119854-1SFL Total Samples: 4

Requested: _____ Date: 5-19-94 Time: 5:00 pm

Received: _____ Date: _____ Time: _____

Received: _____ Date: _____ Time: _____

NOTE: Please duplicate this form and use additional sheets if necessary.



EMSL Analytical, Inc

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

Phone (415) 570-5401 Fax (415) 570-5402 Pager (415) 578-8620

CHAIN OF CUSTODY

Your Company Name: E.O.S. Environmental, Inc.

Project Name/Number: CUSD - Hooker Oak Elementary School - 8500 Purchase Order #: _____

SAMPLE NUMBER	LOCATION	VOLUME (if Applicable)
H98423 - 1SC	Unit C - North Wall - Skin Coating on Concrete	
" - 2SC	Unit A - South Wall - Skin Coating on Concrete	
" - 3STC	Unit E - North Wall - (Stucco) Cold Library	
H9854 - 1SFL	Unit A - Green Linoleum @ Sink Counter Top P.M. 16	

NOTE: Please duplicate this form and use additional sheets if necessary.

INSPECTOR'S QUALIFICATIONS

DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
ASBESTOS CONSULTANT CERTIFICATION UNIT
2211 Park Towne Circle, Suite 1
Sacramento, CA 95825
(916) 574-2993 FAX (916) 483-0572



608302035C 128 132

September 19, 1997

James Rich
E.O.S. Environmental Inc.
2110 21st Street, Suite 150
Sacramento, CA 95818

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, please abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card.

Please hold and do not send copies of your required AHERA refresher renewal certificates to the Division until you apply for renewal of your certification.

Please inform the Division of any changes in your mailing address or work address within 15 days.

Sincerely,

Rick Axe, CIH
Senior Industrial Hygienist

RA/dor

Attachment

cc: File

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

James M. Rich

Name

Certification No. 86-2036

Expires on 11/8/98

This certification was issued by the Division of Occupational Safety and Health as authorized by Section 7199 of the Business and Professions Code.