Forensic Analytical

Final Report

San Francisco • Los Angeles • Minneapolis / St. Paul

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: B000397
Date Received: 05/07/98
Date Analyzed: 05/11/98

Job ID / Site: Sierra View School Unit C

FASI Job ID: 2921-11

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
SV98423-1R	19804588						
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				

Total Composite Values of Fibrous Components: **Asbestos:(ND)** Cellulose (55%) Fibrous Glass (10%)
Comment: Bulk complex sample.

Dave Sandusky, Laboratory Director, ~~Hayward~~ Laboratory

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

3777 Depot Road, Suite 409, Hayward, California 94545 • Telephone: 510/887-8828 800/827-FASI Fax: 510/887-4218

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Job ID / Site: Sierra View School Unit C

FASI Job ID: 2921-11

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
SV98423-2R	19804589						
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				

Total Composite Values of Fibrous Components: **Asbestos:(ND)** Cellulose (55%) Fibrous Glass (10%)
Comment: Bulk complex sample.

Dave Sandusky, Laboratory Director, Hayward Laboratory

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Date Received: 05/07/98
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Job ID / Site: Sierra View School Unit C

FASI Job ID: 2921-11

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
SV98423-3R	19804590						
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				

Total Composite Values of Fibrous Components: **Asbestos:(ND)** Cellulose (55%) Fibrous Glass (10%)
Comment: Bulk complex sample.

Dave Sandusky, Laboratory Director, ~~Hayward~~ Laboratory

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

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Forensic Analytical

BULK SAMPLE REQUEST FORM

NT NAME & ADDRESS: 2921 Chico Unified School District 2455 Carmichael Drive Chico, CA 95928	**PHONE:** 530-891-3194 FAX 530-891-3194	**DATE:** 5-4-98
	Circle the Method and Turn Around Time	**Results Needed:** 5-11-98 1:30pm By FAX
	____hr/12hr/24hr/48hr/Ext	
	PLM: Standard / Point Count	**Gravimetry Prep**
CONTACT: RON JONES	**TEM: QUAL. / QUANT. / WATER**	
P.O.# NONE **JOB #**	**AA/Flame AA/Furnace ICP**	
SITE: SIERRA VIEW SCHOOL Unit C	**METALS:**	

SAMPLE NUMBER	DATE COLLECTED	SAMPLE LOCATION/DESCRIPTION
SV98423-1R	4/23/98	Roofing System, Unit C upper roof, SE Corner
SV98423-2R	4/23/98	Unit C Roofing System, upper roof center, over classroom 14.
SV98423-3R	4/23/98	Unit C Roofing System center, between classrooms 15/16.
		NOTE: Please analyze these samples for asbestos, using the PLM method, and reporting by layer.

Sampled by: JIM RICH / EOS ENVIRONMENTAL **Date:** 4/23/98 **Time:** 3:00 p.m.

Relinquished by: JIM RICH **Date/Time:** 5-4-98 10:00 p.m.	**Received By:** RON JONES **Date/Time:** 5-4-98 10:00 p.m. **Sealed Condition (circle one) YES / NO**
quished by: RON JONES **Date/Time:** 5-6-98 3:00 p.m.	**Received By:** Airborne Express **Date/Time:** 5-6-98 3:00 p.m. **Sealed Condition (circle one) YES / NO**

RECEIVED MAY 07 1998 11am ABX
Lily K. Son-Sample Custodian

SIX-MONTH SURVEILLANCE

DISTRICT Chico Unified School District DATE ~~December 20, 1996~~ 9-15-98

SCHOOL Sierra View Elementary INSPECTOR Rob Peters R.P.

BLDG.	HOMOG. MAT.#	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
A	Ceil plas	1-5	All rooms	(7)
A	PW Cnr	35-65	Boiler room	(7)
A	PW Str	5-45	Boiler room	(7)
B	9" VFT Bg	1-5	All rooms	(7)
B	PW Str Air cell	Assumed	Classrooms 1 & 3 at radiator	(7)
C	9" VFT Bg	1-5	Rm 5 - A,B,C,D classrooms	(7)
C	PW Str Air cell	Assumed	Rms 7 & 5 at radiator	(7)
D	9" VFT Bg	1-5	Rms 7,10,11,12,13	(7)
D	Ceil Plas	1-5	Rms 3 - Custodial Room	1-4 4
D	Ceil Plas	1-5	Rms 9, 8	1-4 4
D	PW	5-10	Rm 11 storage, off MPR	(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

POSTED Completed

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

SIX-MONTH SURVEILLANCE

DISTRICT Chico Unified School District DATE ~~December 20, 1996~~ 9-15-98

SCHOOL Sierra View Elementary INSPECTOR Rob Peters

BLDG.	HOMOG. MAT.#	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
D	Mud Cnr	15-20	Rm 11 storage	(7)
D	PW Air cell	15-20	Rm 8, mechanical room	1-4 4
D	TSI debrs	Assumed	Rm 13, behind radiator	(7)
D	Tran pipe	Assumed	Rm 8	(1) (4) 4
E	Mud Jnt	60-65	Boiler room	(1) (4) 4
E	Ceil plas	1-5	RR, custodial closet	(7)
F	9" VFT Gr	10-15	Rms 3 & 4	(1) (4) 4
F	9" VFT Gn	1-5	Rm 2	(1) (4) 4
F	Ceil plas	1-5	Rms 3 & 4	(1) (4) 4
G	9" VFT Gn	1-5	Rm 5,11,12,13,14	(1) (4) 4
G	Ceil plas	1-5	Rm 6 - RR, custodial	(1) (4) 4

CONDITION CODES

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

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SIX-MONTH SURVEILLANCE

DISTRICT Chico Unified School District DATE ~~December 20, 1996~~ 9-15-98

SCHOOL Sierra View Elementary INSPECTOR Rob Peters

BLDG.	HOMOG. MAT.#	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
G	9" VFT Gr	10-15	Rm 6, RR lounge	(1) (4) 4
I	9" VFT Bn	1-5	Classrooms	(7)
I	Ceil plas	1-5	Storage area	(7)
B,C,F G	Transite panels	Assumed	Under Windows	(1) (4) 4
H	Drywall	Trace in skim coat	Both Rooms	(1) (4) 4
*			No letter on portables	
Port	12" VRTs	Assumed	Next to Sink Areas	(1) (4) 4
Port	Drywall	Assumed	Behind Tagboard	(1) (4) 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)

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

<u>MISC</u>: (11) INACCESSIBLE, NO SURVEILLANCE DATA (12) OTHER (EXPLAIN UNDER COMMENTS)

UNIT		
(A)	Boy's Restroom	(1) Water damage 9' x 12' (2) 4 holes (1) 3" across (2) 4" across (3) 4" across (4) 3" across
(A)	Girl's Restroom	(1) Water damage - 20% of area (2) 2 holes (1) 7" x 4" (2) 1" across
(D)	Nurse's office	(1) A number of small cracks - various lengths
(D)	Hallway	(1) 20% of hallway water damaged (2) 2 holes (1) 3" across (2) 2" across
(A)	Boiler room	(1) Water damage 30% of area (2) Hole 5" across where it's dropped (3) 4 cracks - various lengths (4) Small amount of debris on floor & top of boilers

SIX-MONTH SURVEILLANCE

DISTRICT Chico Unified School District DATE ~~January 9, 1996~~ 1-26-98

SCHOOL Sierra View Elementary INSPECTOR Ron Jones

BLDG.	HOMOG. MAT.#	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
A	Ceil plas	1-5	All rooms	(7)
A	PW Cnr	35-65	Boiler room	(7)
A	PW Str	5-45	Boiler room	(7)
B	9" VFT Bg	1-5	All rooms	(7)
B	PW Str Air cell	Assumed	Classrooms 1 & 3 at radiator	(7)
C	9" VFT Bg	1-5	Rm 5 - A,B,C,D classrooms	(7)
C	PW Str Air cell	Assumed	Rms 7 & 5 at radiator	(7)
D	9" VFT Bg	1-5	Rms 7,10,11,12,13	(7)
D	Ceil Plas	1-5	Rms 3 - Custodial Room	1-4
D	Ceil Plas	1-5	Rms 9, 8	1-4
D	PW	5-10	Rm 11 storage, off MPR	(7)

CONDITION CODES

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

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

SIX-MONTH SURVEILLANCE

DISTRICT Chico Unified School District **DATE** ~~January 9, 1996~~ 1-26-98

SCHOOL Sierra View Elementary **INSPECTOR** Ron Jones

BLDG.	HOMOG. MAT.#	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
D	Mud Cnr	15-20	Rm 11 storage	(7) ✓
D	PW Air cell	15-20	Rm 8, mechanical room	1-4 ✓
D	TSI debrs	Assumed	Rm 13, behind radiator	(7) ✓
D	Tran pipe	Assumed	Rm 8	(1) (4) ✓
E	Mud Jnt	60-65	Boiler room	(1) (4) ✓
E	Ceil plas	1-5	RR, custodial closet	(7) ✓
F	9" VFT Gr	10-15	Rms 3 & 4	1-4 ✓
F	9" VFT Gn	1-5	Rm 2	1-4 ✓
F	Ceil plas	1-5	Rms 3 & 4	(1) (4) ✓
G	9" VFT Gn	1-5	Rm 5,11,12,13,14	1-4 ✓
G	Ceil plas	1-5	Rm 6 - RR, custodial	(1) (4) ✓

CONDITION CODES

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SCHOOL Sierra View Elementary **INSPECTOR** Ron Jones

BLDG.	HOMOG. MAT.#	ASBESTOS MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
G	9" VFT Gr	10-15	Rm 6, RR lounge	(1) (4)
I	9" VFT Bn	1-5	Classrooms	(7)
I	Ceil plas	1-5	Storage area	(7)
B,C,F G	Transite panels	Assumed	Under Windows	(1) (4)
H	Drywall	Trace in skim coat	Both Rooms	(1) (4)
*			No letter on portables	
Port	12" VRTs	Assumed	Next to Sink Areas	(1) (4)
Port	Drywall	Assumed	Behind Tagboard	(1) (4)

CONDITION CODES

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

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(A)	Boiler room	(1) Water damage 30% of area (2) Hole 5" across where it's dropped (3) 4 cracks - various lengths (4) Small amount of debris on floor & top of boilers

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

SIERRA VIEW ELEMENTARY SCHOOL

APRIL 15,1998

TABLE OF CONTENTS

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

On April 15,1998 , EOS Environmental, Inc. performed a visual re-inspection for asbestos containing building materials, (ACBM) at Sierra View 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 Sierra View were such that all non friables and friables were in good condition at the time of this inspection.

Sampling was done at Sierra View. All samples were negative for ACBM's. See Lab report under Field Notes.

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

MATERIAL INVENTORY

Sierra View Elementary School

4-15-98

James M. Rich
96-2035

MAT. CODE	DESCRIPTION OF MATERIAL	AREA FOUND	CAT.	FRI.	ORIGINAL AMOUNT	AMOUNT LEFT	HAS AB.
FLT	12" VFT	Portables Next to Sink Areas	MISC	No	1000 SF	1000 SF	As.
PLA	Ceiling Plaster	Bldg. D Rm. 3, Custodial Rm.	SUR	No	100 SF	100 SF	As.
PLA	Ceiling Plaster	Bldg. D Rm. 8,9	SUR	No	1150 SF	1150 SF	As.
P/C AIR	Pipe Covering Aircell	Bldg. D Rm. 8, Mech. Rm.	TSI	Yes	15 LF	15 LF	Yes
CAP	Transite Pipe	Bldg. D Rm. 8	MISC	No	20 LF	20 LF	As.
ELB	Pipe Fittings	Bldg. E Boiler Rm.	TSI	Yes	30 ea.	30 ea.	Yes
FLT	9" VFT Grey	Bldg. F Rm. 3,4	MISC	No	450 SF	450 SF	Yes
FLT	9" VFT Green	Bldg. F Rm. 2, Classrms.	MISC	No	3850 SF	3850 SF	Yes
PLA	Ceiling Plaster	Bldg. F Rm. 3,4	SUR	No	450 SF	450 SF	Yes
FLT	9" VFT Green	Bldg. G Rm. 5,11,12,13,14	MISC	No	4000 SF	4000 SF	Yes
PLA	Ceiling Plaster	Bldg. G Rm. 6, RR, Custodial, Rm. 7, Book Stor.	SUR	No	850 SF	850 SF	Yes

MATERIAL INVENTORY

Sierra View Elementary School

4-15-98

James M. Rich
96-2035

MAT. CODE	DESCRIPTION OF MATERIAL	AREA FOUND	CAT.	FRI.	ORIGINAL AMOUNT	AMOUNT LEFT	HAS AB.
FLT	9" VFT Grey	Bldg. G Rm. 6, RR, Lounge	MISC	No	200 SF	200 SF	Yes
EXP	Transite Panels	Bldg. B,C,F,G Under windows	MISC	No	4000 SF	4000 SF	As.
DRY	Drywall	Bldg. H Both Rooms	SUR	No	1000 SF	1000 SF	Yes
FLT	12" VFT	Portables Next to Sink Areas	MISC	No	100 SF	100 SF	As.
DRY	Drywall	Portables Behind Tag board	SUR	No	7500 SF	7500 SF	As.
WPY	Glazing Cmpnd.	All Bldgs. Around Windows	MISC	No	> 100 SF	> 100 SF	As.

POSITIVE MATERIAL LIST

POSITIVE MATERIALS

Sierra View Elementary School

James M. Rich
96-2035

4-15-98

AREA NAME	SPACE NAME	ORIG. AMOUNT	AMOUNT LEFT	UNIT	MAT. CODE	UNIT PRICE	BUDGET CALC.
Portables	Next to Sink Areas	1000 SF	1000 SF	SF	FLT		
Bldg. D	Rm. 3, Custodial Rm.	100 SF	100 SF	SF	PLA		
Bldg. D	Rm. 8,9	1150 SF	1150 SF	SF	PLA		
Bldg. D	Rm. 8, Mech. Rm.	15 LF	15 LF	LF	P/C AIR		
Bldg. D	Rm. 8	20 LF	20 LF	LF	CAP		
Bldg. E	Boiler Rm.	30 ea.	30 ea.	ea.	ELB		
Bldg. F	Rm. 3,4	450 SF	450 SF	SF	FLT		
Bldg. F	Rm. 2, Classrms.	3850 SF	3850 SF	SF	FLT		
Bldg. F	Rm. 3,4	450 SF	450 SF	SF	PLA		
Bldg. G	Rm. 5,11,12,13,14	4000 SF	4000 SF	SF	FLT		
Bldg. G	Rm. 6, RR, Cust., Rm. 7, Book Stor.	850 SF	850 SF	SF	PLA		

POSITIVE MATERIALS

Sierra View Elementary School — James M. Rich # 96-2035 — 4-15-98

AREA NAME	SPACE NAME	ORIG. AMOUNT	AMOUNT LEFT	UNIT	MAT. CODE	UNIT PRICE	BUDGET CALC.
Bldg. G	Rm. 6, RR, Lounge	200 SF	200 SF	SF	FLT		
Bldg. B,C, F,G	Under Windows	4000 SF	4000 SF	SF	EXP		
Bldg. H	Both Rooms	1000 SF	1000 SF	SF	DRY		
Portables	Next to Sink Areas	100 SF	100 SF	SF	FLT		
Portables	Behind Tag board	7500 SF	7500 SF	SF	DRY		
All Bldgs.	Around Windows	> 100 SF	> 100 SF	SF	WPY		

MISSING MATERIAL LIST

MISSING MATERIALS

Sierra View Elementary School

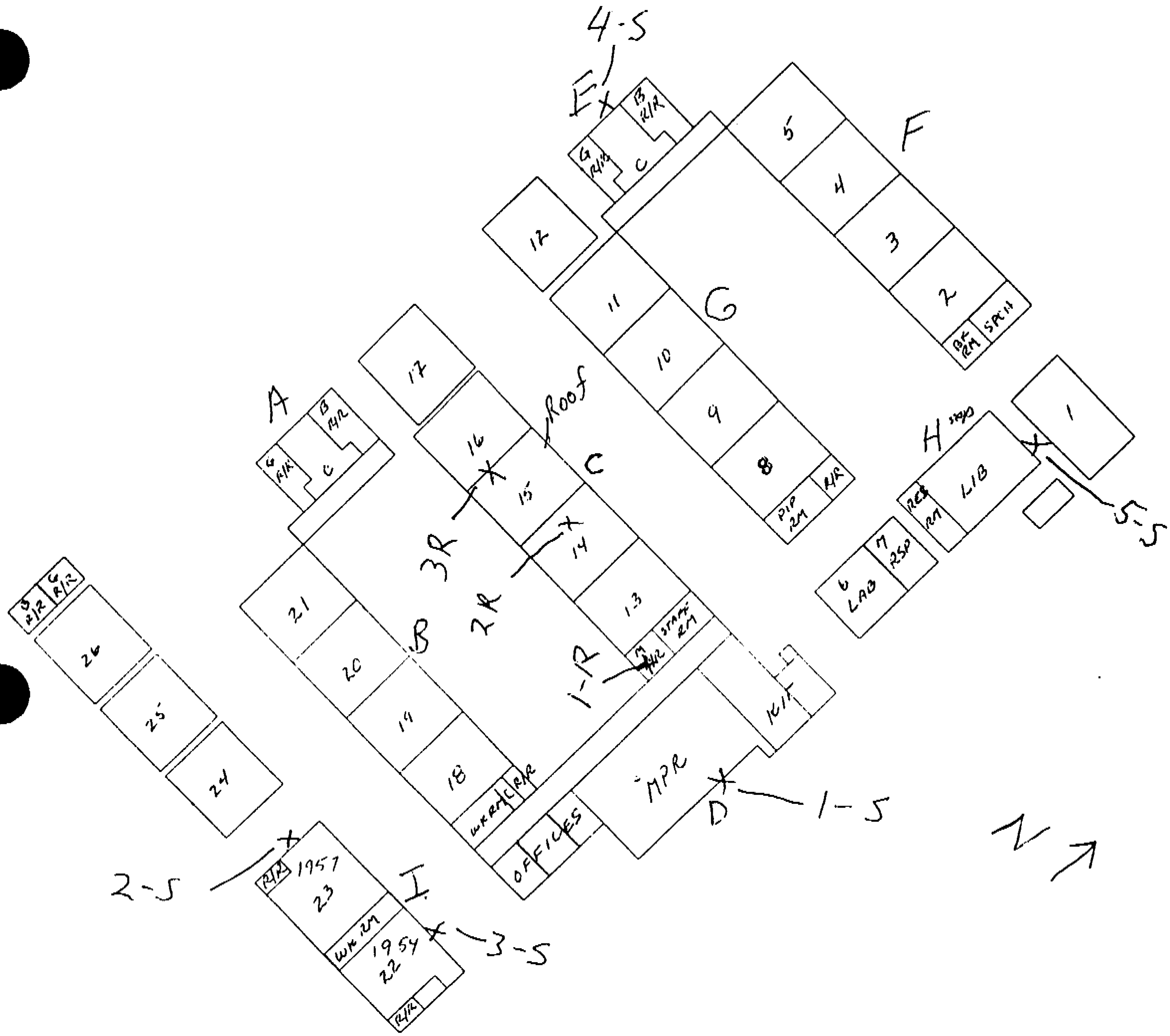
James M. Rich
96-2035

4-15-98

MAT. CODE	DESCRIPTION	LOCATION	AMOUNT REMOVED	AMOUNT LEFT
	No missing materials this report based on 1995 report.			

DIAGRAMS

4179



SIERRA VIEW 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. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Dry wall Area: Bldg H - Bath Rooms

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
SUR	N	High		Good	Good	N/A	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes: Trace in Skim Coat

Inspector: J.R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Portables Area: 12" VFT

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
Misc.	N	High		Good	Good	100 ft²	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes: Assumed - Next To Sink Areas

Inspector: J.R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Dry wall Area: Bldg - Portables

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
~~Misc.~~ SUR	N	Low		Good	Good	N/A	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes: Behind Tag board
Material is Assumed

Inspector: J.R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Glazing Compound Area: All Building

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC	N	Mod		Good	Good	N/A	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes: Material Assumed

TSI: Thermal System Insulation **SUR:** Surface **MISC:** Miscellaneous

Inspector: J.R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material 9" Green - VAT Area: ~~B~~ Bldg. G - RM5 - Classrooms 11,12,13,14

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC	N	High	.	Good	Good	1000 ft	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:
4+5

Inspector: J.R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Ceiling Plaster Area: Bldg G - RM 6 - RR, Custodial, RM 7 - Book Storage

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
SUR	N	Low		Good	Good	8500 ft	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:
4+5

Inspector: J.R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material 9" ~~Green~~ Gray - VAT Area: Bldg. G - Rm 6, RR Lounge

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC.	N	High		Good	Good	200 ft	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:
4+5

Inspector: J.R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Transite Panels Area: Bldg. B, C, F & G

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC	N	High		Good	Good	4000 ft	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes: Under Windows
assumed

TSI: Thermal System Insulation SUR: Surface MISC: Miscellaneous

Inspector: J. R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Mudded Joints Area: Bldg E - 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	30 Joints	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:
4+5

Inspector: J. R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material 9" ~~Green~~ Gray - VAT Area: Bldg. F RM 3 & 4

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC.	N	High		Good	Good	450 ft²	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes: 4+5

Inspector: J. R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material 9" Green - VAT Area: Bldg. F - RM 2 - Classroom

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC	N	Low		Good	Good	3850 ft²	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes: 4+5

Inspector: J. R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Ceiling Plaster Area: Bldg F - RMs 3-4

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
SUR	N	Low		Good	Good	450 ft²	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:
4+5

TSI: Thermal System Insulation SUR: Surface MISC: Miscellaneous

Inspector: J. R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Ceiling Plaster Area: Bldg. D - RM - 3 Custodial Room

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
SUR	N	Low	.	Good	Good	100 ft	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:

Inspector: J. R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Ceiling Plaster Area: Bldg. D - RM 8, 9

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
SUR	N	Low		Good	Good	1150 ft	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:

Inspector: J. R. Cert. # Inspection Date 4/15/98
Site: Sierra View

Material Pipe Wrap (Air Cell) Area: Bldg. D RM - 8, mechanical room

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
TSI	Y	Low		Good	Good	15 ln. ft.	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:

Inspector: J. R. Cert. # Inspection Date
Site: Sierra View

Material Transite Pipe Area: Bldg. D - RM 8

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
MISC.	N	Low		Good	Good	20 ln. ft.	1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification: Implementation Start: End:

Notes:
Assumed

TSI: Thermal System Insulation SUR: Surface MISC: Miscellaneous

Sierra View

Stucco

SV 1-S Stucco (Wall) East Wall-unit D (MPR)

SV 2-S Stucco (Wall) West Wall-Unit I Room 23

SV 3-S Stucco (Wall) North Wall-Unit I Room 22

SV 4-S Stucco (Wall) West Wall-Unit E by Boiler Room

SV 5-S Stucco (Wall North East Corner of H wing (Library)

Roof

~~1-R Roofing System Unit C upper roof SE Corner~~

~~2-R Roofing System Unit C upper roof Center over class room 14~~

~~3-R Roofing System Unit C upper roof Center betwee class 15/16~~

No Changes

all Sample N.D.-

EMSL Analytical, Inc

1720 S. Amphlett Blvd., Suite 130, San Mateo, CA 94402
Phone (415) 570-5401 Fax (415) 570-5402 Pager (415) 578-5620

CHAIN OF CUSTODY

EMSL Representative:

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

Street: 2110 21st Street #150

Box #:

City/State: Sacramento, CA Zip 95818

EMSL-Bill to:

Street:

Box #:

City/State: Zip:

Phone Results to: Name Marc / Jim

Telephone #: (916) 452-5884

Fax Results to: Name Marc / Jim

Fax Number: (916) 452-5912

Project Name/Number: CUSD - Sierra View Elementary School / 5500

Purchase Order #:

MATRIX

☐ Air ☐ Floor Tile ☐ Soil
☒ Bulk ☐ Drinking Water ☐ Dust
☐ Wipe ☐ Wastewater

TURNAROUND

☐ 6-10 Days ☐ 72 Hours ☐ 24 Hour ☐ Same Day*
☒ 5 Days ☐ 48 Hours ☐ 12 Hour ☐ 6 Hours

*S.D. - A.M. delivery by Fed. Ex.-Results by Mid-night or earlier

PCM
NIOSH 7400
☐ OSHA
☐ Other:

PLM
☒ EPA 600
☐ NOB
☐ Point Count
☐ Other:

SEM
☐ Qualitative
☐ Quantitative

TEM AIR
☐ AHERA
☐ NIOSH 7402
☐ Level I
☐ Level II

TEM BULK
☐ Drop Mount (Qualitative)
☐ Chatfield
☐ Chatfield / SEM QC
☐ Conventional (Quantitative)
☐ EMSL Method
☐ NOB
☐ NOB / SEM QC
☐ Micro Vac - Quantitative
☐ Micro Vac - Qualitative

TEM WATER
☐ Wastewater
☐ Drinking Water EPA 100.2
☐ Water - NY Wastewater
☐ Water-NY Drinking Water

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

OTHER
☐

Client Sample # (s) SV98423-1STC - SV98423-5STC Total Samples: 5

Relinquished: [signature] Date: 5-19-98 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) 578-5620

CHAIN OF CUSTODY

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

Project Name/Number: CUSD - Sierra View Elementary School - 5500 **Purchase Order #:**

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
SV98423 - 1STC	Unit D (MPR) - East Wall - (Stucco)	
" - 2STC	Unit I (RM 23) - West Wall - (Stucco)	
" - 3STC	Unit I (RM 23 - North Wall - (Stucco)	
- 4STC	Unit E - by boiler Room - West Wall - (Stucco)	
- 5STC	Unit H (Library) - North East Corner of Wall - (Stucco)	

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: (650) 570-5401 Fax: (650) 570-5402

EMSL

Attn.: Marc/ Jim
EOS Environmental Inc.
2110 21st Street
Suite #150
Sacramento, CA 95814

Thursday, May 28, 1998

Ref Number CA982766

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: CUSD-Sierra View Elementary School/ S600

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS %	ASBESTOS TYPE	NONASBESTOS %	FIBROUS	% NONFIBROUS
SV98423-1STC	Unit D (MPR)-East Wall-(Stucco)	Tan Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	40% Quartz 20% Gypsum 35% Matrix
SV98423-2STC	Unit I (Rm 23)-West Wall-(Stucco)	Tan Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	35% Quartz 25% Gypsum 35% Matrix
SV98423-3STC	Unit I (Rm 23)-North Wall-(Stucco)	Tan Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	40% Quartz 20% Gypsum 35% Matrix
SV98423-4STC	Unit E- By Boiler Room-West Wall-(Stucco)	Tan Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	35% Quartz 20% Gypsum 40% Matrix
SV98423-5STC	Unit H (Library)-North East Corner of Wall-(Stucco)	Tan Fibrous Heterogeneous	Crushed		None Detected	5%	Cellulose	35% Quartz 20% Gypsum 40% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Ryan Cozart
Analyst

Approved
Signatory

EMSL Analytical, Inc

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

Phone (415) 570-5401 Fax (415) 570-5402 Pager (415) 578-5620

CHAIN OF CUSTODY

EMSL Representative:

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

Street: 2110 21st Street #150

Box #:

City/State: Sacramento, CA Zip 95818

EMSL-Bill to:

Street:

Box #:

City/State: Zip:

Phone Results to: Name Marc / Jim

Telephone #: (916) 452-5884

Fax Results to: Name Marc / Jim

Fax Number: (916) 452-5912

Project Name/Number: CUSD - Sierra View Elementary School / 5500

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

PCM
- ☐ NIOSH 7400
- ☐ OSHA
- ☐ Other: ______

PLM
- ☒ EPA 600
- ☐ NOB
- ☐ Point Count
- ☐ Other: ______

SEM
- ☐ Qualitative
- ☐ Quantitative

TEM AIR
- ☐ AHERA
- ☐ NIOSH 7402
- ☐ Level I
- ☐ Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield / SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ NOB
- ☐ NOB / SEM QC
- ☐ Micro Vac - Quantitative
- ☐ Micro Vac - Qualitative

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.2
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

TEM WIPE
- ☐ Quantitative
- ☐ Qualitative

XRD
- ☐ Asbestos
- ☐ Silica

OTHER
- ☐ ______

Client Sample # (s) SV98423-1STC - SV98423-5STC Total Samples: 5

Relinquished: [signature] Date: 5-19-98 Time: 5:00p

Received: [signature] Date: 5/21/98 Time: 9:25a

Relinquished: Date: Time:

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

EMSL
EMSL Analytical, Inc
1720 S. Amphlett Blvd., Suite 130, San Mateo, CA 94402
Phone (415) 570-5401 Fax (415) 570-5402 Pager (415) 578-5620

CHAIN OF CUSTODY

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

Project Name/Number: CUSD - Sierra View Elementary School - 5500 **Purchase Order #:**

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
SV98423-1STC	Unit D (MPR) - East Wall - (Stucco)	
" -2STC	Unit I (RM 23) - West Wall - (Stucco)	
" -3STC	Unit I (RM 23 - North Wall - (Stucco)	
-4STC	Unit E - by boiler Room - West Wall - (Stucco)	
-5STC	Unit H (library) North East Corner of Wall - (Stucco)	

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 126 132 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

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

[redacted]

Certification No. 96-2035

Expires on 11/8/98

This certification was issued by the Division of Occupational Safety and Health as authorized by Section 7180 et seq. of the Business and Professions Code.