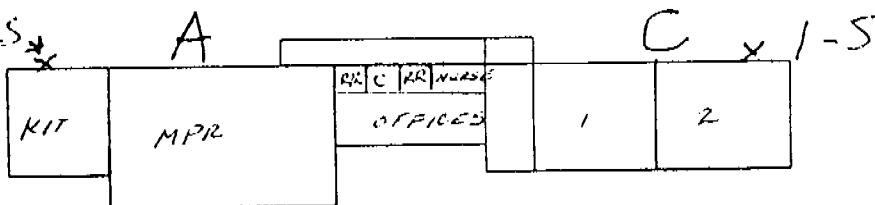
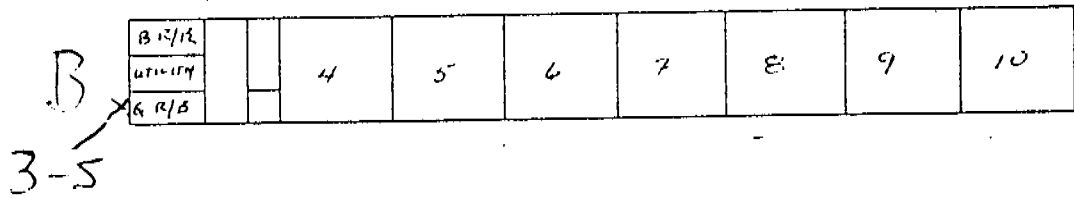
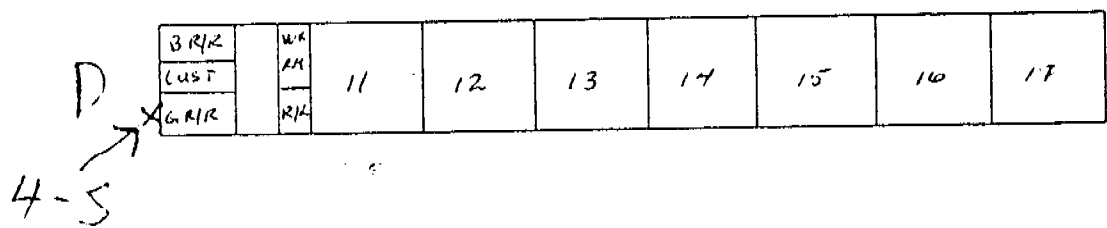
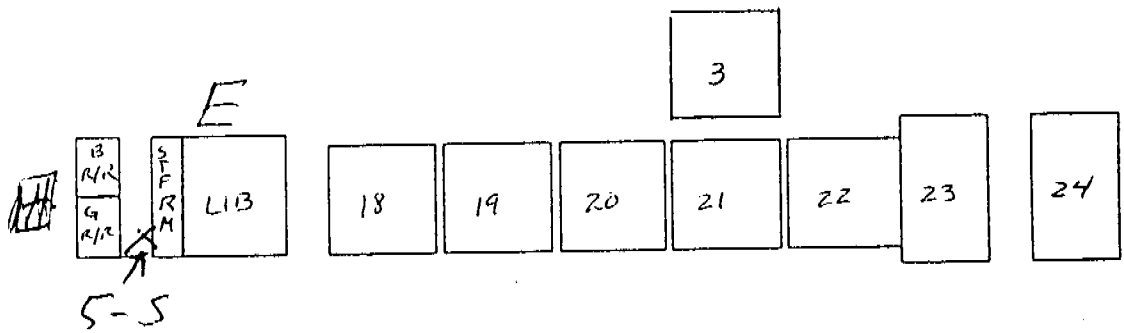


MISSING MATERIAL LIST

DIAGRAMS



JOHN MC MANUS 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: Mc Mannus

Cert. #

Inspection Date 4/10/98

Material		Area: Bldg A - Kitchen Area - outer closet			Current		Potential		Approx.		Priority		Cleaning		Response	
Code	Friable	Accessibility	Type	Condition	Condition	Amount of ACM	Level	Level	Level	Level	Level	Level	Level	Level	Level	Action
MISC	N	Low		Good	Good	5 sq ft	1	2	3	4	5	1	2	3	4	5

Justification:

Implementation

Start:

End:

Notes: Material in outer closet w/ water damage. NOT in a Hazardous RM.

Inspector: J.R.
 Site: Mc Mannus

Cert. #

Inspection Date 4-10-98

Material		Area: Bldg B - Hall Area, hallway RM + RR			Current		Potential		Approx.		Priority		Cleaning		Response	
Code	Friable	Accessibility	Type	Condition	Condition	Amount of ACM	Level	Level	Level	Level	Level	Level	Level	Level	Level	Action
SUR	N	High		Good	Good	1500 sq ft	1	2	3	4	5	1	2	3	4	5

Justification:

Implementation

Start:

End:

Notes:

Inspector: J.R.
 Site: Mc Mannus

Cert. #

Inspection Date 4-10-98

Material		Area: Bldg B - Hall Area & Custodial Room			Current		Potential		Approx.		Priority		Cleaning		Response	
Code	Friable	Accessibility	Type	Condition	Condition	Amount of ACM	Level	Level	Level	Level	Level	Level	Level	Level	Level	Action
SUR		Low		Good	Good	600 sq ft	1	2	3	4	5	1	2	3	4	5

Justification:

Implementation

Start:

End:

Notes:

Inspector: J.R.
 Site: Mc Mannus

Cert. #

Inspection Date 4/10/98

Material		Area: Bldg B - Classroom Areas			Current		Potential		Approx.		Priority		Cleaning		Response	
Code	Friable	Accessibility	Type	Condition	Condition	Amount of ACM	Level	Level	Level	Level	Level	Level	Level	Level	Level	Action
MISC	N	Low		Good	Good	6000 sq ft	1	2	3	4	5	1	2	3	4	5

Justification:

Implementation

Start:

End:

Notes:

TSI: Thermal System Insulation SUR: Surface MISC: Miscellaneous

Inspector: S.R.
McMANNAS

Cert. #

Inspection Date 4/10/98

Material		Area:		Current	Potential	Approx.	Priority	Cleaning	Response
Code	Friable	Accessibility	Type	Condition	Condition	Amount of ACM	Level	Level	Action
<u>SP/Plaster Walls</u>		<u>Bldg. A - Kitchen, Admin Areas, Hallways</u>		<u>Good</u>	<u>Good</u>	<u>4000</u>	<u>1 2 3 4 5</u>	<u>1 2 3 4</u>	<u>1 2 3 4 5 6</u>

Justification: _____ Implementation _____ Start: _____ End: _____
 Notes: Material listed on LAST 3yr re-inspection as removed with NO RECORDS

Inspector: S.R.
McMANNAS

Cert. #

Inspection Date 4/10/98

Material		Area:		Current	Potential	Approx.	Priority	Cleaning	Response
Code	Friable	Accessibility	Type	Condition	Condition	Amount of ACM	Level	Level	Action
<u>1" x 1" ACT</u>		<u>Bldg. A - MPR</u>		<u>Good</u>	<u>Good</u>	<u>2800</u>	<u>1 2 3 4 5</u>	<u>1 2 3 4</u>	<u>1 2 3 4 5 6</u>

Justification: _____ Implementation _____ Start: _____ End: _____
 Notes: _____

Inspector: S.R.
McMANNAS

Cert. #

Inspection Date 4/10/98

Material		Area:		Current	Potential	Approx.	Priority	Cleaning	Response
Code	Friable	Accessibility	Type	Condition	Condition	Amount of ACM	Level	Level	Action
<u>9" Beige VAT</u>		<u>Bldg. A - Kitchen</u>		<u>Good</u>	<u>Good</u>	<u>500</u>	<u>1 2 3 4 5</u>	<u>1 2 3 4</u>	<u>1 2 3 4 5 6</u>

Justification: _____ Implementation _____ Start: _____ End: _____
 Notes: _____

Inspector: S.R.
McMANNAS

Cert. #

Inspection Date 4/10/98

Material		Area:		Current	Potential	Approx.	Priority	Cleaning	Response
Code	Friable	Accessibility	Type	Condition	Condition	Amount of ACM	Level	Level	Action
<u>Acoustic Tile</u>		<u>Bldg. A - Kitchen Parking</u>		<u>Good</u>	<u>Good</u>	<u>500</u>	<u>1 2 3 4 5</u>	<u>1 2 3 4</u>	<u>1 2 3 4 5 6</u>

Justification: _____ Implementation _____ Start: _____ End: _____
 Notes: _____

TSI: Thermal System Insulation SUR: Surface MISC: Miscellaneous

Inspector: S.R.
Site: McMANUS

Cert. #

Inspection Date 4/10/98

Material: Linoleum Area: Bldg B - 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	245 sqft	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6

Justification:

Implementation

Start:

End:

Notes: Counter Top Linoleum

Inspector: S.R.
Site: McMANUS

Cert. #

Inspection Date 4/10/98

Material: Air Cell - Duct Wrap Area: Bldg B - Main Boiler RM, Casted in concrete

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
TSI	Yes						1 2 3 4 5	1 2 3 4	1 2 3 4 5 6

Justification:

Implementation

Start:

End:

Notes: Material has been removed, could not locate

Inspector: S.R.
Site: McMANUS

Cert. #

Inspection Date 4/10/98

Material: Tank Wrap Area: Bldg B - Boiler RM

Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
TSI	X	Low		Good	Good	20 sq	1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6

Justification:

Implementation

Start:

End:

Notes: Tank Abandoned

Inspector: S.R.
Site: McMANUS

Cert. #

Inspection Date 4/10/98

Material: Air Cell - Duct Wrap Area: Bldg B - Boiler RM

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

Justification:

Implementation

Start:

End:

Notes: Material has been removed, could not locate

TSI: Thermal System Insulation SUR: Surface MISC: Miscellaneous

Mc Manus 4-21-98

1-5 Stucco (Wall) N side of unit C by ^{class} room 2

2-5 Stucco (Wall) N side of Unit A by door to ^{water} Heater

3-5 Stucco (Wall) W end of Unit B by Boiler Rm Door

4-5 Stucco (Wall) W end of Unit D by Elect Panel

5-5 Stucco (Wall) W end of Unit E by Elect. Box

1 Sample Hot.

Attn: Marci Jim

EOS Environmental Inc.

2110 21st Street

Suite #150

Sacramento, CA 95814

Thursday, May 28, 1998

Ref Number: CA982768

POLARIZED LIGHT MICROSCOPY (PLM)

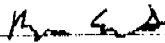
Performed by EPA 600/R-93/116 Method*

Project: CUSD-Mc Mannus Elementary School-S 500

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
MCM9854-1SFL TILE BACKING	Unit D-Room # 16- Tan Linoleum w/Terrazo Pattern on Sink Counter	Tan Fibrous Layers # 2	Crushed	40%	Chrysotile	10% Cellulose	20% Ca Carbonate 30% Matrix
MCM9854-1SFL MASTIC	Unit D-Room # 16- Tan Linoleum w/Terrazo Pattern on Sink Counter	Tan Fibrous Heterogeneous	Crushed	45%	Chrysotile	10% Cellulose	15% Ca Carbonate 10% Gypsum 20% Matrix
MCM98421-1STC	Unit C- North Wall By Classroom 2- (Stucco)	White Fibrous Heterogeneous	Crushed	None Detected		5% Cellulose	30% Quartz 20% Gypsum 45% Matrix
MCM98421-2STC	Unit A-North Wall By Door to Water Heater-(Stucco)	White Fibrous Heterogeneous	Crushed	None Detected		5% Cellulose	30% Quartz 20% Gypsum 45% Matrix
MCM98421-3STC	Unit B-West Wall By Boiler Rm Door- (Stucco)	Grey Fibrous Heterogeneous	Crushed	None Detected		5% Cellulose	35% Quartz 30% Gypsum 30% Matrix
MCM98421-4STC	Unit D-West Wall By Elect Panel- (Stucco)	Grey Fibrous Heterogeneous	Crushed	None Detected		5% Cellulose	40% Quartz 30% Gypsum 25% 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

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as < 1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL San Mateo (NVLAP Air and Bulk #101048-3 E-Lap #1620)



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: _____

EMSL-Bill to: _____

Street: _____

E.O.S. Environmental, Inc.

Street: _____

Box #: _____

2110 21st Street #150

Box #: _____

City/State: _____

Sacramento, CA Zip 95818

City/State: _____

Zip: _____

Phone Results to: Name _____

Marc / Jim

Fax Results to: Name _____

Marc / Jim

Telephone #: _____

(916) 452-5884

Fax Number: _____

(916) 452-5912

Project Name/Number: _____

CUST-McMANUS/cont Jan
Sched - 5500

Purchase Order #: _____

MATRIX

TURNAROUND

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

- 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

- NIOSH**
- NIOSH 7400
 - OSHA
 - Other: _____

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

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

- PLM**
- EPA 600
 - NOB
 - Point Count
 - Other: _____

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

- TEM WIPE**
- Quantitative
 - Qualitative

- SEM**
- Qualitative
 - Quantitative

- XRD**
- Asbestos
 - Silica

OTHER

Client Sample # (s) _____

MEM9854-1SFL - MEM98421-5500

Total Samples: _____

6

Relinquished: _____

[Signature]

Date: _____

5-19-98

Time: _____

5:00p

Received: _____

[Signature]

Date: _____

7/21/98

Time: _____

9:25a

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 - McMANUS Elementary School Purchase Order #: #8500

Table with 3 columns: SAMPLE NUMBER, LOCATION, VOLUME (if Applicable). Rows include sample IDs like McM9854-1SFL and locations like Unit D Room #16 - TAN Linoleum w/TORANO PATTERN ON SINK COUNTER TOPS.

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) 493-0572



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

Certification No. 68-2035

Expires on 11/8/98

This certification was issued by the Division of Occupational Safety and Health as authorized by Section 7400 et seq. of the Business and Professions Code.