



## Bulk Asbestos Analysis

San Francisco • Los Angeles • Minneapolis / St. Paul

(EPA Method 600/R-93-116)

Chico Unified School Dist  
Mr. Ron Jones2455 Carmichael Drive  
Chico, CA 95928Client ID: 2921  
Report Number: B000394  
Date Received: 05/07/98  
Date Analyzed: 05/11/98

Job ID / Site: Nord School A Wing, Office Wing

FASI Job ID: 2921-8

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
N98421-1R	19804570						
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar		Chrysotile	35 %				
Layer: Black Fibrous Tar		Chrysotile	75 %				
Layer: Black Fibrous Tar		Chrysotile	75 %				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Silver Paint			ND				
Layer: Black Fibrous Tar			ND				
Layer: Silver Paint		Chrysotile	5 %				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar		Chrysotile	35 %				

Total Composite Values of Fibrous Components: Asbestos:(10%) Cellulose (35%) Fibrous Glass (10%)  
Comment: Bulk complex sample.  
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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Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
N98421-2R	19804571						
Layer: Black Fibrous Tar			ND				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar			ND				

Total Composite Values of Fibrous Components: Asbestos:(ND) Cellulose (45%) Fibrous Glass (Trace%)  
Comment: Bulk complex sample.

N98421-3R	19804572						
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 (Trace%)  
Comment: Bulk complex sample.

  
Dave Sandusky, Laboratory Director, Hayward Laboratory

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**FASI Job ID:** 2921-8

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
N98421-4R	19804573						
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 (Trace%)  
Comment: Bulk complex sample.

  
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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FASI Job ID: 2921-8

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
N98421-5R	19804574						
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar		Chrysotile	75 %				
Layer: Black Fibrous Tar		Chrysotile	75 %				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar		Chrysotile	35 %				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar		Chrysotile	35 %				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				

Total Composite Values of Fibrous Components: Asbestos:(10%) Cellulose (35%) Fibrous Glass (5%)

Comment: Bulk complex sample.

  
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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FASI Job ID: 2921-8

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
N98421-6R	19804575						
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Silver Paint		Chrysotile	5 %				
Layer: Black Fibrous Tar		Chrysotile	75 %				
Layer: Black Fibrous Tar		Chrysotile	75 %				
Layer: Black Fibrous Tar		Chrysotile	75 %				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				

Total Composite Values of Fibrous Components: Asbestos:(10%) Cellulose (35%) Fibrous Glass (ND)  
Comment: Bulk complex sample.

  
Dave Sandusky, Laboratory Director, Hayward Laboratory

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**FASI Job ID:** 2921-8

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
N98421-7R	19804576						
Layer: Black Fibrous Tar			ND				
Layer: Silver Paint		Chrysotile	5 %				
Layer: Black Fibrous Tar		Chrysotile	75 %				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				

Total Composite Values of Fibrous Components: Asbestos:(10%) Cellulose (35%) Fibrous Glass (10%)  
Comment: Bulk complex sample.

  
Dave Sandusky, Laboratory Director, Hayward Laboratory

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FASI Job ID: 2921-8

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
N98421-8R	19804577						
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Tar			ND				
Layer: Black Fibrous Material			ND				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			ND				
Layer: Black Fibrous Tar			%				
Layer: Silver Paint		Chrysotile	5 %				
Layer: Black Fibrous Tar		Chrysotile	35 %				

Total Composite Values of Fibrous Components: Asbestos:(4%) Cellulose (35%) Fibrous Glass (5%)  
Comment: Bulk complex sample.

  
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## BULK SAMPLE REQUEST FORM

<b>CLIENT NAME &amp; ADDRESS:</b>  2921 Chico Unified School District 2455 Carmichael Drive Chico, CA 95928		<b>PHONE:</b> 530-891-3194 <b>FAX:</b> 530-891-3194	<b>DATE:</b> 5-4-98
		<b>Circle the Method and Turn Around Time</b>  ____ hr/12hr/24hr/48hr/Ext	<b>Results Needed:</b>  5-11-98 1:30pm By FAX
		<b>PLM: Standard / Point Count</b>	<b>Gravimetry Prep</b>
		<b>TEM: QUAL. / QUANT. / WATER</b>	
<b>CONTACT:</b> RON JONES			
<b>P.O.#</b> NONE	<b>JOB #</b>	<b>AA/Flame AA/Furnace ICP</b>	
<b>SITE:</b> NORD SCHOOL A Wing, (office Wing)		<b>METALS:</b>	
<b>SAMPLE NUMBER</b>	<b>DATE COLLECTED</b>	<b>SAMPLE LOCATION/DESCRIPTION</b>	
N98421-1R	4/21/98	Roofing System, Peak over staff Restroom A Wing	
N98421-2R	4/21/98	Roofing System, Center over covered walk, midway between office & MPR.	
N98421-3R	4/21/98	Roofing System, Outer edge of covered walk, between classrooms 1&2.	
N98421-4R	4/21/98	Roofing System, center, covered walk by drinking fountain ( A-Wing) by restrooms.	
N98421-5R	4/21/98	Roofing System, near south edge of roof over student restrooms ( A-Wing).	
N98421-6R	4/21/98	Roofing System, center of roof over old boiler room. ( A-Wing)	
N98421-7R	4/21/98	Roofing System, NE Corner of roof over Classroom 2.	
N98421-8R	4/21/98	Roofing System, 18" east of HVAC Unit above classroom 1 in A Wing.	
		NOTE: Please analyze these samples for asbestos, using the PLM method, reporting by layer.	
<b>Sampled by:</b> JIM RICH / EOS ENVIRONMENTAL <b>Date:</b> 4/21/98 <b>Time:</b> 6:00 p.m.			
<b>Relinquished by:</b> JIM RICH		<b>Received By:</b> RON JONES	
<b>Date/Time:</b> 5-4-98 10:00 p.m.		<b>Date/Time:</b> 5-4-98 10:00 p.m. <b>Sealed Condition (circle one) YES / NO</b>	
<b>Relinquished by:</b> RON JONES		<b>Received By:</b> Airborne Express	
<b>Date/Time:</b> 5-5-98 3:00 p.m.		<b>Date/Time:</b> 5-5-98 3:00 p.m. <b>Sealed Condition (circle one) YES / NO</b>	

RECEIVED MAY 07 1998

Lily K. Son-Sample Custodian

11am



1 - 88

9/17/98

9/11/98

SIX-MONTH SURVEILLANCE

DISTRICT Chico Unified School District DATE December 8, 1998

SCHOOL Nord Elementary INSPECTOR Bob Peters

HOMOG.		ASBESTOS		LOCATION		CONDITION: CODE & COMMENTS	
BLDG.	MAT.#	MATERIAL					
A	9" VFT Bn	1-5		Rooms 3 & 4		(7) Removed	✓
A	PW Cnrs TS1	35-45		Boiler room		(7) Removed	✓
A	Pipewrap	35-45		Boiler room		(7) Removed	✓
B	9" VFT Dark Grey	1-5		MPR & room 3		(1) (4)	✓ 4
B	PW. Str	50-60		Boiler/Storage #2		(7) Removed	✓
B	Mud Jnt	35-45		Boiler/Storage #2		(7) Removed	✓
B	Wall plas	1-5		Boiler/Storage #2		(1) (4)	✓ 4
B	Wall plas	1-5		Kitchen		1-5-6 around door casing	
(P)				Portable		No letter	✓

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



SIX-MONTH SURVEILLANCE

Page 1 of 1

DISTRICT Chico Unified School District

DATE December 8, 1995

1-98

SCHOOL Nord Elementary INSPECTOR Ron Jones

BLDG.	HOMOG.	ASBESTOS MAT.#	MATERIAL	LOCATION	CONDITION: CODE & COMMENTS
A	9" VFT Bn	1-5		Rooms 3 & 4	(7) Removed ✓
A	PW Cnrs TS1	35-45		Boiler room	(7) Removed ✓
A	Pipewrap	35-45		Boiler room	(7) Removed ✓
B	9" VFT Dark Grey	1-5		MPR & room 3	(1) (4) ✓
B	PW. Str	50-60		Boiler/Storage #2	(7) Removed ✓
B	Mud Jnt	35-45		Boiler/Storage #2	(7) Removed ✓
B	Wall plas	1-5		Boiler/Storage #2	(1) (4) ✓
B	Wall plas	1-5		Kitchen	1-5-6 around door casing
(P)				Portable	No letter ✓

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**

**NORD ELEMENTARY SCHOOL**

**APRIL 10, 1998**

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- 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 10, 1998 , EOS Environmental, Inc. performed a visual re-inspection for asbestos containing building materials, (ACBM) at Nord Elementary School. 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 Nord were such that all non friables and friables were in good condition at the time of this inspection.

Sampling was done at Nord. 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

Nord Elementary School

4-10-98

James M. Rich  
# 96-2035

[illegible]

## **POSITIVE MATERIAL LIST**

**Nord Elementary School**

James M. Rich  
# 96-2035

4-10-98

[illegible]

## **MISSING MATERIAL LIST**

## MISSING MATERIALS

Pg. 1

Nord Elementary School

James M. Rich  
# 96-2035

4-10-98

[illegible]

## DIAGRAMS





## 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 *4-10-98*Site: *Nond*

Material <i>1" VIT ACT</i>				Area: <i>Bldg A - RM #4 &amp; #3</i>					
Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
<i>MISC</i>	<i>N</i>	<i>Low</i>		<i>Good</i>	<i>Good</i>		<i>1 2 3 4 5</i>	<i>1 2 3 4</i>	<i>1 2 3 4 5</i>

Justification:

Implementation

Start:

End:

Notes: *Material is above FCP's*Inspector: *J.R.*

Cert. #

Inspection Date *4-10-98*Site: *Nond*

Material <i>Plaster Walls</i>				Area: <i>Bldg A - RM #4 (Office), RR, Boys Rm, Girls Rm, Boy's Rm</i>					
Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
<i>SUR</i>	<i>N</i>	<i>High</i>		<i>Good</i>	<i>Good</i>	<i>3000</i>	<i>1 2 3 4 5</i>	<i>1 2 3 4</i>	<i>1 2 3 4 5</i>

Justification:

Implementation

Start:

End:

Notes:

Inspector: *J.R.*

Cert. #

Inspection Date *4-10-98*Site: *Nond*

Material <i>9" Dark Grey VAT</i>				Area: <i>Bldg B - MPR &amp; RM #3</i>					
Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
<i>MISC</i>	<i>N</i>	<i>High</i>		<i>Good</i>	<i>Good</i>	<i>1600</i>	<i>1 2 3 4 5</i>	<i>1 2 3 4</i>	<i>1 2 3 4 5</i>

Justification:

Implementation

Start:

End:

Notes:

Inspector: *J.R.*

Cert. #

Inspection Date *4-10-98*Site: *Nond*

Material <i>Plaster Walls</i>				Area: <i>Bldg B - Boy's Rm / Storage RM 2</i>					
Material Code	Friable	Accessibility	Type	Current Condition	Potential Condition	Approx. Amount of ACM	Priority Level	Cleaning Level	Response Action
<i>MISC</i>	<i>N</i>	<i>Low</i>		<i>Good</i>	<i>Good</i>	<i>1000</i>	<i>1 2 3 4 5</i>	<i>1 2 3 4</i>	<i>1 2 3 4 5</i>

Justification:

Implementation

Start:

End:

Notes:

TSI: Thermal System Insulation SUR: Surface MISC: Miscellaneous

Nord - Stucco 4-21-98

4-5 Stucco sample West end of A-Wing  
by office.

No Change

1 sample Pull N.D.

## CHAIN OF CUSTODY

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

Project Name/Number: C.U.S.D. - 8'500

**Purchase Order #:**

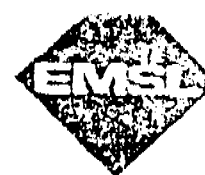
[illegible]

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



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

Phone (415) 570-5401 Fax (415) 570-5402 Pager (415) 578 5629



## CHAIN OF CUSTODY

Representative: \_\_\_\_\_

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  
Telephone #: (916) 452-5884Fax Results to: Name Marc / Jim  
Fax Number: (916) 452-5912Project Name/Number: CLUSD - S500  
Nord Elementary School

Purchase Order #: \_\_\_\_\_

## MATRIX

## TURNAROUND

- |  |   |                               |
|--|---|-------------------------------|
| <input type="checkbox"/> Air             | <input type="checkbox"/> Floor Tile     | <input type="checkbox"/> Soil |
| <input checked="" type="checkbox"/> Bulk | <input type="checkbox"/> Drinking Water | <input type="checkbox"/> Dust |
| <input type="checkbox"/> Wipe            | <input type="checkbox"/> Wastewater     |                               |

- |   |                                   |                                  |                                    |
|---|-----------------------------------|----------------------------------|------------------------------------|
| <input type="checkbox"/> 6-10 Days                                  | <input type="checkbox"/> 72 Hours | <input type="checkbox"/> 24 Hour | <input type="checkbox"/> Same Day* |
| <input checked="" type="checkbox"/> 5 Days                          | <input type="checkbox"/> 48 Hours | <input type="checkbox"/> 12 Hour | <input type="checkbox"/> 6 Hours   |
| *S.D. - A.M. delivery by Fed. Ex. - Results by Mid-night or earlier |                                   |                                  |                                    |

## PCM

NIOSH 7400

EPA 9045A

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) \_\_\_\_\_

- N98421-1STC Total Samples: 1

Relinquished: \_\_\_\_\_

Date: 5-19-98 Time: 5:00pm

Received: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

d: \_\_\_\_\_

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

**EMSL**

Attn: Marc/ Jim

**EOS Environmental Inc.**

2110 21st Street

Suite #150

Sacramento, CA 95814

Friday, May 29, 1998

Ref Number: CA982758

**POLARIZED LIGHT MICROSCOPY (PLM)**

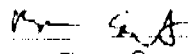
Performed by EPA 800/R-93/116 Method\*

Project: CUSD-S500 Nord Elementary School

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
IN98421-1STC	Admin Bldg-West Wall	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

Disclaimer: 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 0% or none detected should be tested with either SEM or TEM. The above test report relates only to the test as 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 make 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 #101463, Group #1000

## **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 18, 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. 85-2035

Expires on 11/8/98

This certification was issued by the Division of Occupational Safety and Health as authorized by Section 7149.5 of the Business and Professions Code.