

# **Bulk Asbestos Analysis**

(EPA Method 600/R-93-116, Visual Area Estimation)

Chico Unified School Dist Leroy Christophersen 2455 Carmichael Drive Chico, CA 95928					Client ID: Report Numb Date Receive Date Analyze Date Printed First Reporte	d: 09/18/0 ed: 09/19/0 : 09/19/0	06 06 06
Job ID/Site: Faucet - Bidwell - PO# 070	280				FASI Job ID:	2921	
<b>Date(s) Collected:</b> 09/15/2006					Total Sample		: 1
Date(s) Conected: 09/13/2000					Total Sample	s Analyzed:	1
Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
BWJHA01	10559575						
Layer: Grey Cementitious Material			ND				
Layer: Yellow Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Cor Cellulose (Trace)	nponents: A	sbestos (ND)					



James Flores, Laboratory Supervisor, Hayward Laboratory

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

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

Telephone (916) 632-6800

Fax (916) 632-6812

August 21, 2006

Mr. Michael Weissenborn Project Manager, Facilities Development Chico Unified School District 2455 Carmichael Drive Chico, California 95928

Re:

Final Close-Out Documentation for the Asbestos Abatement Project in Buildings A and C at

Bidwell Junior High School

Dear Mr. Weissenborn:

This letter reports the completion of the asbestos related work performed at Bidwell Junior High School by LVI Environmental Services, Inc. With this report Entek Consulting Group, Inc. (Entek) has completed all of our responsibilities under the present contract. Asbestos related work included the removal of wallboard, joint compound, floor tile and associated floor mastic from Buildings A and C.

Area air samples were collected by Entek to monitor the work practices and engineering controls of the abatement contractor. The analytical results of these samples indicated the work practices and engineering controls utilized by the contractor were effective in controlling emissions during the removal work. All area samples were analyzed utilizing Phase Contrast Microscopy (PCM) in accordance with the NIOSH 7400 method. A copy of the laboratory analysis reports are included in Section V of the project documents.

Upon completion of removal of asbestos-containing materials by the abatement contractor and prior to conducting clearance air monitoring of the containments, Entek conducted thorough visual inspections of the work areas. Entek verified that the contractor had completed the removal of the designated materials, and had cleaned the containment areas of existing dust, debris, materials, and waste. When Entek accepted the containments the abatement contractor was allowed to encapsulate all surfaces within each containment.

Clearance air monitoring was conducted in the work areas in accordance with the US Environmental Protection Agency (US EPA) Asbestos Hazard Emergency Response Act (AHERA) criteria, and in accordance with 40 CFR Part 763, Appendix A, to assess post abatement airborne asbestos concentrations. No asbestos structures were detected on the two sets of clearance air samples collected in the work areas of Buildings A and C. Analysis of the clearance air samples was performed utilizing Transmission Electron Microscopy (TEM) by Asbestech of Carmichael, California, a laboratory that participates in the National Voluntary Laboratory Accreditation Program (NVLAP). A copy of laboratory analysis reports are included in Section V of the project documents.

Entek is including documentation provided by the contractor with this report as part of the final close-out documentation, as required by the project specifications. These documents submitted to Entek include copies of worker training certificates, medical exams, respirator fit tests, air sampling data, safety meetings, sign-in sheets, etc. Entek cannot attest to the accuracy or validity of the documents provided by the contractor, since these were prepared by the contractor, not Entek. It is the responsibility of the contractor to comply with the various regulations and provide valid, true, and accurate documents as they pertain to this project.

ASBESTOS LEAD MOLD INDOOR AIR QUALITY NOISE MONITORING TRAINING HEALTH AND SAFETY AUDITS



Mr. Michael Weissenborn Chico USD August 18, 2006 Page Two

In order to meet AHERA requirements, the enclosed documentation must be kept on file as part of the District's US EPA AHERA Management Plan. A copy of this report must be retained in the District Office and the appropriate school office. Be sure to update the list of asbestos-containing building materials in the Management Plan. Indicate on the "Homogeneous Material Records" (HMR) the abatement action taken. Also, be sure to note in the District's annual notifications to parents and employees that abatement work was completed at this site. It is possible other materials exist in Buildings A and C which may be impacted in the future. Any additional materials not mentioned in this report which may be encountered during a renovation process should be tested prior to impact by a non-abatement contractor.

It has been our pleasure working with you on this investigation. If you desire any further services or have questions please call at (916) 632-6800.

Sincerely,

William W. Esparza Project Manager

Certified Asbestos Consultant

DOSH #99-2579

**Enclosures** 

 $\hbox{C:$\tt Entek$$$ Chico Unified School District$$ 06-030 Bidwell Science$$ Final Letter, 06-030, Bidwell Science.wpd $$\tt Chico Unified School District$$ 06-030, Bidwell Science. The property of the property$ 

#### SECTION 25 ASBESTOS RESULTS LIST

Any material not specified on the following list which the Contractor encounters at this school site must be considered as "suspect" and "assumed" to contain asbestos per US EPA. The only items excluded from this statement are; bare wood, glass, and metal.

# Building A Classrooms 108, 109, 208, 209 and Small Offices

Materials Found or Assumed to Contain Asbestos	% Asbestos & Type	NESHAP Classification
Base Cove Mastic 9" Vinyl Floor Tiles (VFT) Black Mastic Associated with 9" VFT 12" Vinyl Floor Tiles in Room 208 Black Mastic Associated with 12" VFT Drywall and Joint Compound Drywall and Joint Compound (400 Point Count) Chalkboards (Green) Fire Rated Doors	< 1-5% Chrysotile 1-5% Chrysotile 1-5% Chrysotile 1-2% Chrysotile 1-5% Chrysotile 1-2% Chrysotile < 1% Chrysotile Assumed Positive Assumed Positive	Category I Category I Category I Category I Category I Not Classified Not Classified Category II RACM

#### Materials Found Not to Contain Aspestos

2 x 4 Drop-in Acoustical Ceiling Panel 12" Acoustical Ceiling Tile Exterior Stucco

# Building C Classrooms 206 and 207

Materials Found or Assume to Contain Asbestos	% Asbestos	NESHAP Classification
Base Cove Mastic Black Sinks Associated with All Science Tables 9" Vinyl Floor Tiles (VFT) Black Mastic Associated with 9" VFT Drywall Joint Compound at Wall Addition in Room 207 Chalkboards (Green)	<1% Tremolite 5-10% Chrysotile 2-7% Chrysotile 1-5% Chrysotile 1-2% Chrysotile Assumed Positive	Category I Category II Category I Category I Not Classified Category II

## Materials Found Not to Contain Asbestos

12" Acoustical Ceiling Tile Exterior Stucco Plaster Wall Material

Note 1.:	Category I Non-friable ACM is asbestos-containing packings, gaskets, resilient floor
	covering, and asphalt roofing products containing more than one percent asbestos by area.

Note 2.: Category II Non-friable ACM is any material, excluding Category I non-friable ACM, containing more than one percent asbestos, which is non-friable such as transite and other concrete based products.

Note 3.: Regulated Asbestos-Containing Material (RACM) is any friable material, any Category I

# Bidwell Jr. High School

### Section 01200

non-friable ACM which has become friable, any Category I non-friable ACM which will be or has been subjected to sanding, grinding, cutting, or abrading, any Class II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to a powder by the forces expected to act on the material in the course of demolition or renovation operations.

Note 4.:

The terms "assume" and "presume" mean the named material is considered positive for containing asbestos and must be treated accordingly, until properly sampled in compliance with 40 CFR, Part 763 Asbestos-Containing Materials in Schools; Final Rule and Notice.

#### SECTION 26 SITE MAP

See attached full size architectural drawings A2.1 and A2.2 and  $8\frac{1}{2}$  x 11 size for field use. Note the legend reprinted on  $8\frac{1}{2}$  x 11 includes line items removed from the role of the asbestos contractor to assist in the bid preparation.

CAREY CONSTRUCTION
2541 S. FIFTH AVE. SUITE A
OROVILLE, CA. 95965

CHARLES CAREY LICENSE#388073

PHONE (530) 534-1768 FAX (530) 534-8644

JULY 31, 2006

CHICO UNIFIED SCHOOL DISTRICT 2455 CARMICHAEL DRIVE CHICO, CA. 95965

PROJECT:

BIDWELL J.H. MODERNIZATION

NUMBER:

99-2845.3

I CERTIFY TO THE BEST OF MY KNOWLEDGE, ALL MATERIALS, PRODUCTS

AND SUBSTANCES SUPPLIED AS SPECIFIED OR SUPPLIED AS FAVORABLY

REVIEWED EQUALS OR SUBSTITUTIONS ARE CONSIDERED AS BEING

ASBETOS FREE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL

AUTHORITIES AND REGULATORY AGENCIES.

SIGNED,

CHARLES CAREY, OWNER,

Date of Inspection: <u>06/16/2006</u>

District: Chico Unified School District Inspector: Leroy Christophersen

School: Bidwell Junior High School

Building: F (FKA 600)

Material Class	Material	Homo. Mat. #	% Asb.	Ft²/L.F.	Location	Condition: Code & Comments	Friable Yes/No
Т	MUDDED JOINTS	1	1-5%	UNDETERMINED	CLASSROOM 109 NEAR THE SINK	(7) 2006 MODERNIZATION	N
S	ACOUSTICAL CEILING & UPPER WALL PLASTER	6	1-5 %	UNDETERMINED	ALL ROOMS	(1) (4) ROUGH TEXTURE PLASTER. (7) 2006 MODERNIZATION	N
М	12" VFT	93	ASSUMED	UNDETERMINED	CLASSROOM 208 & 109	(7) 2006 MODERNIZATION	N
М	9" VFT	95	ASSUMED	160 S	OFFICE & CLASSROOM 108	(7) 2006 MODERNIZATION	N N/A
М	TRANSITE PANEL	98	ASSUMED	UNDETERMINED	METAL SHOP (ROOM 109 & 209)	(7) 2006 MODERNIZATION	N
М	2' X 4' FCP'S	102	ASSUMED	UNDETERMINED	CLASSROOM 108	(7) 2006 MODERNIZATION	N
М	12" VFT	104	ASSUMED	UNDETERMINED	CLASSROOM 109	(7) 2006 MODERNIZATION	N N/A
М	12" ACT	105	NONE DECTED	UNDETERMINED	CLASSROOM 209 & 109	HMS SAMPLE R1823-02A 11/14/05 (2) ROOM 109, OVER SINK WATER DAMAGE	N

#### **CONDITION CODE**

General Condition: (1) Good (2) Damaged (3) Significantly Damaged (25% or more)

<u>Change in Condition:</u> (4) No (5) Yes (If Yes, explain under comments)

Abated: (6) Repaired (7) Removed (8) Encapsulated (9) Enclosed (10) Isolated & Restricted

Miscellaneous: (11) Inaccessible, no inspection data (12) Other (Explain under comments) (13) Non-Asbestos/Not Inspected

(14) Non AHERA/Not Inspected

Date of Inspection: <u>06/16/2006</u>

Unit: I (FKA 700)

District: Chico Unified School District Inspector: Leroy Christophersen

School: Bidwell Junior High School

Material Class	Material	Homo. Mat. #	% Asb.	Ft²/L.F.	Location	Conditio	n: Code & Comments	Friable Yes/No
М	MUDDED JOINTS	1	1-5%	UNDETERMINED	CLASSROOMS 408 & 409	(11)	ABATEMENT IN PROCESS 06/2005	N/A
M	ACOUSTICAL CEILING & UPPER WALL PLASTER	6	1-5%	UNDETERMINED	ALL CLASSROOMS  NOT IN THIS WING	(1) (4) (12)	ROUGH TEXTURE PLASTER.  NO ACOUSTICAL CEILING TILES IN THE ENTIRE WING	Z
М	2' X 4' FCP'S	106	NONE DETECTED	UNDETERMINED	CLASSROOMS 308, 309, 408, 408A, AND 409	(13) (1) (5)	REPRESENTED BY SAMPLES HMS-R1304- 40A & B COLLECTED ON 4-5-04. WATER DAMAGE. – REPAIRED 2004 UNIT I	N/A
М	GYPSUM BOARD & JOINT COMPOUND	154	NON ASBESTOS	300 S	THROUGHOUT	(5) (6) (13)	DAMAGED IN WASH ROOM LETTER ON FILE	N
М	9" VFT	300	ASSUMED	UNDETERMINED	ALL CLASSROOMS	(7)	REMOVED JUNE 2005	N
S	WALL PLASTER	500	NONE DETECTED	350 S	GIRL'S RESTROOM	(13)	REPRESENTED BY SAMPLE HMS-R1304-02 COLLECTED ON 3-30-04.	N/A

#### **CONDITION CODE**

(2) Damaged (3) Significantly Damaged (25% or more)(5) Yes (If Yes, explain under comments) **General Condition:** (1) Good

(4) No Change in Condition:

Abated: (6) Repaired (7) Removed (8) Encapsulated (9) Enclosed (10) Isolated & Restricted

Miscellaneous: (11) Inaccessible, No inspection data (12) Other (Explain under comments) (13) Non-Asbestos/Not Inspected

Date of Inspection: <u>06/16/2006</u>

District: Chico Unified School District Inspector: Leroy Christophersen

School: Bidwell Junior High School

Building: C & D

HOOL DIG	well Jurilor Flight S	CHOOL				Dui	iding. C & D
Material Class	Material	Homo. Mat. #	% Asb.	Ft²/L.F.	Location	Condition: Code & Comments	Friable Yes/No
М	ACOUSTICAL CEILING & UPPER WALL PLASTER	5	1-5 %	UNDETERMINED	ALL ROOMS, CLOSET (C), CLASSROOM 204, HALLWAY, CLASSROOM 250, AND GIRLS RESTROOM	(12) CANNOT LOCATE ACOUSTICAL TILES	N
М	ACOUSTICAL CEILING & UPPER WALL PLASTER	6	1-5%	UNDETERMINED	HALLWAY 300	(1) (4) ROUGH TEXTURE PLASTER. (12) ACOUSTICAL TILES NOT FOUND	N
М	DRYWALL	90	NONE DETECTED	UNDETERMINED	CLASSROOMS 250 & 307 AND RESTROOM	(13) REPRESENTED BY SAMPLE HMS-R1304-03 COLLECTED ON 3-30-04.	N/A
М	9" VFT	95	ASSUMED	UNDETERMINED	ALL ROOMS, HALLWAY 200, CLASSROOM 250, AND GIRLS RESTROOM	(7) MODERNIZATION 2004 REPLACED W/12" VFT BRN	N
М	12" VFT	104	ASSUMED	UNDETERMINED	CLASSROOMS 105-107	(7) MODERNIZATION 2004 REPLACED W/12" VFT BLUE & WHITE	N/A
М	12" ACT	105	ASSUMED	4,500 S	CLASSROOMS 105-107, 206, AND 207	(7) REPLACED WITH NEW CEILING TILES 2005	N
М	TRANSITE PIPE	107	ASSUMED	UNDETERMINED	CLOSET OF CLASSROOM 405	(1) (4)	N
М	12" ACT MASTIC	151	ASSUMED	<10 S	CLASSROOM 306	(12) ROUGH TEXTURE PLASTER	N
М	9" VFT	300	ASSUMED	UNDETERMINED	HALLWAY 300	(7) REPLACED WITH 12" VFT BLUE & WHITE	N
	1					1	

#### **CONDITION CODE**

General Condition: (1) Good (2) Damaged (3) Significantly Damaged (25% or more)

<u>Change in Condition:</u> (4) No (5) Yes (If Yes, explain under comments)

Abated: (6) Repaired (7) Removed (8) Encapsulated (9) Enclosed (10) Isolated & Restricted

Miscellaneous: (11) Inaccessible, No inspection data (12) Other (Explain under comments) (13) Non-Asbestos/Not Inspected

Date of Inspection: <u>06/16/2006</u>

District: Chico Unified School District Inspector: Leroy Christophersen

School: Bidwell Junior High School

Building: B (FKA 800)

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Material Class	Material	Homo. Mat. #	% Asb.	Ft²/L.F.	Location	Condition: Code & Comments	Friable Yes /No
М	9" VFT	95	ASSUMED	UNDETERMINED	LIBRARY	(1) (4)	N
М	12" ACT	109	ASSUMED	UNDETERMINED	LIBRARY, OFFICES, AND AUDIO VISUAL	(1) (4)	N
М	PLASTER	110	ASSUMED	UNDETERMINED	THROUGHOUT THE UNIT	(1) (4) SMOOTH WALL PLASTER.	N
М	BUR UNDER GRAVEL	501	NONE DETECTED	4,000 S	LIBRARY	(13) REPRESENTED BY SAMPLES HMS-R1304-36A & B COLLECTED ON 4-5-04.	N/A

#### **CONDITION CODE**

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

Miscellaneous: (11) Inaccessible, No inspection data (12) Other (Explain under comments) (13) Non-Asbestos/Not Inspected

Date of Inspection: <u>06/16/2006</u>

District: Chico Unified School District Inspector: Leroy Christophersen

School: Bidwell Junior High School

Unit: A

Material Class	Material	Homo. Mat. #	% Asb.	Ft²/L.F.	Location	Condition: Code & Comments	Friable Yes/No
Т	PIPEWRAP STRAIGHT	8	30-35%	UNDETERMINED	CHAIR STORAGE ROOM	(7) REMOVED MARCH 2005	N
М	FAN VENT INSULATION	94	ASSUMED	UNDETERMINED	FAN ROOMS	(12) COULD NOT FIND THIS ROOM .	N
М	TRANSITE PIPE	99	ASSUMED	UNDETERMINED	KITCHEN AND BOILER ROOM	(1) (4)	N
М	DRYWALL	103	ASSUMED	UNDETERMINED	KITCHEN	(1) (4)	N
М	9" VFT	104	ASSUMED	UNDETERMINED	MULTI-USE & KITCHEN	(2) (4) KITCHEN NEAR SINK & NURSES OFFICE TILE BEHIND DOOR LOOSE	N
Т	BOILER	152	ASSUMED	1 UNIT	BOILER ROOM	(1) (4)	N
Т	6" OD PIPE WRAP	153	ASSUMED	50 L	BOILER ROOM	(1) (4)	Ν
М	BUR UNDER GRAVEL	501	NONE DETECTED	3,000 S	EAST OVERHANG OF MULTI-USE	(13) REPRESENTED BY SAMPLES HMS- R1304-35A-C COLLECTED ON 4-5-04.	N/A
М	GRAY ROOF MASTIC	502	5-10% CHRYSOTILE	250 S	EAST OVERHANG OF MULTI-USE	(1) (4) REPRESENTED BY HMS SAMPLES 32A & B COLLECTED ON 4-5-04.	N
S	WALL PLASTER	503	NONE DETECTED	UNDETERMINED	THROUGHOUT	(13) REPRESENTED BY SAMPLES CUSD BDS1-5 ON 05/17/2005	N/A

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Miscellaneous: (11) Inaccessible, No inspection data (12) Other (Explain under comments) (13) Non-Asbestos/Not Inspected

Date of Inspection: <u>06/16/2006</u>

District: Chico Unified School District Inspector: Leroy Christophersen

School: Bidwell Junior High School

Building: J (FKA 500)

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Material Class	Material	Homo. Mat. #	% Asb.	Ft²/L.F.	Location	Condition: Code & Comments	Friable Yes/No
М	9" VFT	95	ASSUMED	UNDETERMINED	ALL ROOMS	(7) MODERNIATION 2004	N
М	DRYWALL	100	1%	UNDETERMINED	ALL ROOMS	(7) MODERNIATION 2004	N
М	12" ACT	108	NON ASBESTOS	UNDETERMINED	CLASSROOMS 501& 502, OFFICE, AND PRACTICE ROOMS	(12) HMS REPORTED NON ASBESTOS & DID NOT NEED TO BE REMOVED	N
Т	DUCT INSULATION	109	90-95%	UNDETERMINED	DUCT WORK-CEILING AND WALLS	(7)	N
M	BUR UNDER GRAVEL	501	NONE DETECTED	200 S	NORTH END, SOUTH END, AND MIDDLE	(13) REPRESENTED BY SAMPLES 34A-C COLLECTED ON 4-5-04.	
М	GRAY ROOF MASTIC	502	5-10% CHRYSOTILE	3,200 S	EXHAUST FAN ROOF JACK	(7) MODERNIATION PROJECT 2004	N
	12" VFT		NON ASBESTOS		ALL ROOMS – BLUE & WHITE COLOR	(13)	

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Date of Inspection: 06/16/2006

District: Chico Unified School District Inspector: Leroy Christophersen

School: Bidwell Junior High School

Building: K (FKA 400)

Material Class	Material	Homo. Mat. #	% Asb.	Ft²/L.F.	Location	Condition	on: Code & Comments	Friable Yes/No
Т	PIPE INSULATION & MUDDED FITTINGS	14	NONE DETECTED	UNDETERMINED	PE BOILER ROOM & TUNNEL	(7)	MODERNIATION PROJECT 2004	N/A
Т	TANK WRAP	15	NONE DETECTED	UNDETERMINED	PE BOILER ROOM	(13)	REPRESENTED BY SAMPLES HMS-R1304- 39A-G COLLECTED ON 4-13-04	N/A
М	TRANSITE PANELS	98	ASSUMED	UNDETERMINED	PANELS IS BOTH LOCKER ROOMS	(7)		N
М	BUR UNDER GRAVEL	501	NONE DETECTED	250 S	BOY'S AND GIRL'S LOCKER ROOM	(13)	REPRESENTED BY SAMPLES HMS-R1304- 31A-C AND 33A-C COLLECTED ON 4-5- 04.	N/A
S	WALL PLASTER	504	NONE DETECTED	5,000 S	COACHES ROOM 112	(13)	REPRESENTED BY SAMPLE HMS-R1304-01 COLLECTED ON 3-30-04.	N/A
Т	BOILER INSULATION	505	ASSUMED	20 S	BOILER ROOM	(7)	MODERNIATION PROJECT 2004	Y

#### CONDITION CODE

General Condition: (1) Good (2) Damaged (3) Significantly Damaged (25% or more)

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Date of Inspection: <u>06/16/2006</u>

District: Chico Unified School District Inspector: Leroy Christophersen

School: Bidwell Junior High School

Building: L (FKA 900)

Material Class	Material	Homo. Mat. #	% Asb.	Ft²/L.F.	Location	Condition: Code & Comments	Friable Yes/No
Т	PIPE WRAP STRAIGHT	17	15-20%	UNDETERMINED	GYM & STOREROOM	(1) (4)	N
Т	PIPE WRAP CORNER	18	5-10%	UNDETERMINED	GYM, BOILER ROOM, AND STOREROOM	(1) (4)	N
М	12" ACT	111	ASSUMED	UNDETERMINED	GYM	(5) (6) SOME TILES HAVE BEEN REMOVED. THE MASTIC IS SHOWING.  THE WALLS ARE CONCRETE & THE CEILING IS METAL.	N

#### **CONDITION CODE**

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Miscellaneous: (11) Inaccessible, No inspection data (12) Other (Explain under comments) (13) Non-Asbestos/Not Inspected

## **Final Report**



# Forensic Analytical

5108874218

San Francisco • Los Angeles • Sacramento • Chicago • Las Vegas • Portland

# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Chico Unified School Dist Leroy Christophersen

2455 Carmichael Drive Chico, CA 95928

2921 Client ID: B084680 Report Number: 04/24/06 Date Received: 04/28/06 Date Analyzed:

Date Printed: First Reported:

04/28/06 04/28/06

Job 1D/Site:

Bidwell Jr - Dishwasher - PO# 050289

Date(s) Collected: 04/21/2006

2921-93 FASI Job ID: Total Samples Submitted: 1

Total Samples Analyzed:

Sample ID

Lab Number

Percent in Asbestos Layer Туре

ND

ND

Asbestos Type

Percent in Layer

Asbestos Percent in Layer Туре

Bd01

10516185

Layer: Yellow Fibrous Material Layer: Beige Woven Material

Laver: Paint

Total Composite Values of Fibrous Components: Cellulose (10 %)

Asbestos (ND)

Fibrous Glass (85 %)

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'. Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results. reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

Forensic Analytic	al	2921-	93		Analysis I	Request	Form		
Client Name & Address:	P.O. #: 0	50289	Date:	41 21	101				
Chico Unified School District			P.O. #: 050289 Date: 4/2/106  Turn Around Time:hr/ 12hr / 24hr / 68 hr) ext:						
2455 Carmichael Dri	ve	,	Due Date:	1 1	Due Time: _		am/pm		
Chico, CA 95928			LES PLM: LE	Standard / D	J Point Count	PCM: NIO	SH 7400		
Contact					O Yamale2 / O Ni				
Phone # V	erson				lative / 🗍 Qualitativo		ld		
530-891-31	95		☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Wt % ☐ TEM Microvac						
Lerey Christoph Phone #: V 530-891-31 Fax#: /christo@chic (530) 891-3190	ousd.or	7	Special Project:						
Cito:			Metals A	nalysis: Metho	×4				
Job: Dishwasher.			Matrix:						
			Analytes:	Va					
Comments:							, [		
* I .	Date/ S	Sample Location/De	scription	Type   Type	ORVAIR SAMPLES ON OTVOIR IVAVE LEA	Total	Sample Area or Air		
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Condition Acceptable? 10 Yes	□ No	Condition Accepta	bla7 Ll Yes	□ No	Condition Accepta	ble? 🔲 Yes	□ No		

Maintenance and Operations 2455 Carmichael Drive Chico, CA 95928 Phone: (530) 891-3195 Fax: (530) 891-3190

# Chico Unified School District

Fed Ex Airbill #8358 1795 0996

April 21, 2006

Forensic Analytical Specialties, Inc. 3777 Depot Road, Suite 409 Hayward, CA 94545

Re:

Bidwell Junior High School

To Whom It May Concern:

Please test the enclosed sample from the kitchen dishwasher at Bidwell Junior High School for asbestos. We would like a 48-hour turnaround on the sample. Please e-mail the results as soon as they are available to lchristo@chicousd.org.

Site Sampled:

Bidwell Junior High School

Location:

Kitchen Dishwasher

Date Sampled:

April 21, 2006

Number of Samples:

One - #Bd01

Thank you for your prompt response to this request.

Sincerely,

Leroy Christophersen

Safety & Loss Coordinator

Enclosure

### See Instructions on back of page 6.

Department of Toxic Substances Control

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US E		Manifest Document	7 0	2. Page 1	is not requ	n in the shaded areas ired by Federal law.
3. Generator's Name and Mailing Address CHICO UNIFIED SCHOOL D. CHICO CAR 95929 DR	ISTRICT	2376 <sup>J</sup> R	BRITE AVE		Manifest Document N Generator's ID	umber 2	<b>471</b> 907
4. Generator's Phone ( 530 ) 891-3:	209				1	1 1	
5. Transporter I Company Name CARRO Donor 3 7 28 3					ransporter's ID [ <u>Rese</u>		
C&B_VETERAN-ENTERPRISE		TAROTOTE	5 3 5 9 5		<b>#</b> *		<i>ATTEN</i> JAS
7. Transporter 2 Company Name		8. US EPA ID Number		E. State T	ransporter's ID ( <u>Rese</u>	rved.]	
D. Dorignoted English Name and Site Address	1/	O LIS ERA ID AL.					
P. Designated Facility Name and Site Address CROSBY & OVERTON INC.	TC.	). US EFA ID Number		H. Facilit		11	1111
ONG BEACH CA 90813		:  A D 0 2 8 4	0   9   0   2   9	, , , , <b>G</b> C, , ,	(562	) 432	2-5445
1. US DOT Description (including Proper Ship	ping Name, Hazard Clas	s, and ID Number)	12, Con No.	tainers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a.						Na.	State 1.51
SBESTOS 9 NA 2212 PGI	II (NAERG#171	)	001	DM	00.25		EPA/Other
ь.		4-0-11-2	1887763 1635		<u>NAISION</u>	Town or the second	State
							EPA/Other
C.							State
							EPA/Other
d							State
	-						EPA/Other
ASBESTOS & MASTIC SOLV  MEANS MATERIAL PROFILE  S. Special Handling Instructions and Additions AN VETERAN ENTERPRISE	#50412	JRS EMERGENCY	(916) 371			d.	
S. GENERATOR'S CERTIFICATION: I hereby demarked, and labeled, and are in all respec	declare that the contents o	f this consignment are fully a	nd accurately descri	ned above h	ov proper shipping p	ame and ar	e classified packed
If I am a large quantity generator, I certify practicable and that I have selected the pround the environment; OR, if I am a small available to me and that I can afford.	acticable method of treati	ment, storage, or disposal ci e made a good faith effort to	urrently available to	me which	minimizes the preser	nt and futur	e threat to human hea
rinted/Typed Name	En Cocuse	Signature	The state of the s	Andread Control of the Control of th	Jan Russell	Мо	nth Day
7. Transporter 1 Acknowledgement of Receipt inted/Typed Name	>06	Signature	- August	ton		Мо	nth Day
8. Transporter 2 Acknowledgement of Receipt inted/Typed Name	or Materials	Signature				Мо	nth Day
P. Discrepancy Indication Space							
. Facility Owner or Operator Certification of nted/Typed Name	receipt of hazardous mat	terials covered by this manife Signature	est except as noted in	iltem 19.		Мо	nth Day

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

## NOTICE AND CERTIFICATION

The waste identified on manifest number 24719070 and bearing California Waste Code 151 is subject to land disposal restrictions contained in OCR Title 22, Chapter 18, Article I. The waste meets the definition of a treated hazardous waste pursuant to Health and Safety Code, Section 25179.3 (1)(2), which states that waste is considered treated if the waste does not contain any substances above the Soluble Thresholds Limit Concentration values established in OCR Title 22, Chapter 18, Article II; and the waste is not prohibited from land disposal as provided in Health and Safety Code, Section 25179.6.

(waste analysis is attached for these wastes, where available)

As required by CCR Title 22, Chapter 18, Article 1, the following certification is made for these wastes:

I warrant that I am an authorized representative of the generator. I certify under penalty of the law that the waste complies with the treatment standards specified in California Code of Regulations, Title 22, Division 4.5, Chapter 18, Section 66268.114. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

ADDRESS: 2455 CARMICHAEL DRIVE CHICO CA 95929
11/1 -
Willia Cena
Morio Cena Print name
111
William /
Marie Communication Signature
Supervisor
Title
03/24/06
Date

GENERATOR: CHECO UNIFIED SCHOOL DISTRICT

	UNIFORM HAZARDOUS	1. Generator's US EP	A ID No.	Mani	fest Documen	t No.	2. Page 1		in the shaded areas		
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	4. Generator's Phone (530 ) 891-32	09	<del></del>			B. State C	Generator's ID	111	4   1		
	5. Transporter 1 Company Name WOTH Environ mentel		US EPA ID Numbe		283		ransporter's ID <u>[Res</u>				
	G-6-H-VETERAN-ENTERPRIS  7. Transporter 2 Company Name		A-R-0-0-0 US EPA ID Numbe		<del>13-19-15</del>		orter's Phone (9 ransporter's ID [Rese	Charles and the second of the	71-8148-		
							orter's Phone	17eu-1			
	9. Designated Facility Name and Site Address	NWS HAY RO	US EPA ID Numbe	Fill	- <del>L </del>	G. State Facility's ID					
	10840 ALTAMONT PASS ROA -Livermore ca 94550 Va	2426 HAX	10782 10782	242	475	H. Facilit			-6349-		
ŀ	11. US DOT Description (including Proper Shippi	ng Name, Hazard Class,	and ID Number)	3 0 2	12. Con	· · · · · · · · · · · · · · · · · · ·	13. Total	14. Unit			
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	If I am a large quantity generator. I certify t	hat I have a program in	nlace to reduce the	volume and t	aviaik, af		-4 - 4 ( )				
	practicable and that I have selected the pract and the environment; OR, if I am a small qui available to me and that I can afford.										
-	Printed/Typed Name Nichael Weisen Lag	IN FORCUSO	Signature	la d	132	teas for		Mon	th Day Year		
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F	20. Facility Owner or Operator Certification of re-	ceipt of hazardous materi		/ manifest exce	pt as noted in	/   Item 19.					
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DTSC 8022A (1/99) EPA 8700—22

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS. (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and senc to DTSC within 30 days.)

# LVI ENVIRONMENTAL SERVICES, Inc.

3004-I Alvarado Street • San Leandro, CA 94577 Ph. (510) 357-5390 • Fax (510) 357-4506

## LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION

The waste identified on manifest number	24719072	ar	nd
bearing the California Waste Code 151 is s	subject to land dis		
Article 40, Title 22, California Code of Regul			
treated hazardous waste pursuant to Healt			
which states that waste is considered treat			
above the Soluble Thresholds Limit Conce Title 22, CCR; and waste is not prohibited			
25179.6.	irom land disposa	i as provided in rigge sect	101
(Waste Analysis is attached for these wastes,	where available.)		v
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As required by Article 40, Title 22 CCR the forwastes:	ollowing certificati	on is made for these restricte	d ·
wastes.			
I certify under the penalty of law that	I personally have	examined and am familiar w	/itł
the waste through analysis and testing			
this certification that the waste compl			
Title 22, Division 4, Chapter 30, Articl true, accurate and complete. I am aw			241
ting a false certification, including the			.11-
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ŗ	17. Transporter 1 Acknowledgement of Receipt of Materials			1 100	<u> </u>
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	UUON MONTANO	Table 1	10161	015	06
)	18. Transporter 2 Acknowledgement of Receipt of Materials				-
1	Printed Typed Name	Signature	Month	Pay	Yegr
	19. Discrepancy Indication Space			- 17	1-1-
·			4		
				1400	100
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	20. Facility Owner or Operator Certification of receipt of hazardous mate	rials covered by this manifest except as noted in Item 19.			
	Printed/Typed Name	Signáture /	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS Yellow: Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and senc to DTSC within 30 days.)

056

2 7 2006

DTSC 8022A (1/99) EPA 8700—22

By

Printed/Typed Name

DO NOT WRITE BELOW THIS LINE.

Signature

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

Day

Year

State of California—Environmental Protection Agency Form Approved OMB No. 2050–0039 (Expires 9-30-99) Please print or type. Form designed for use on elite (12-pitch) typewriter. See Instructions on back of page 6. Sacramento, California 1. Generator's US EPA ID No. Manifest Document No. 2. Page 1 Information in the shaded areas **UNIFORM HAZARDOUS** is not required by Federal law. WASTE MANIFEST of C | A | D | 9 | 8 | 1 | 4 | 1 9 90 0 3. Generator's Name and Mailing Address A. State Manifest Document Number CHICO UNIFIED SCHOOL DISTRICT 2376 NORTHORSLITE: B. State Generator's ID CALL 1-800-852-7550 4. Generator's Phone (530) 891-3209 C. State Transporter's ID [Reserved.] 5. Transporter 1 Company Name 6. US EPA ID Number D. Transporter's Phone W VETERAN ENTERPRISES INC C |A |R |O |O |O |I |5 |3 |3 |9 (916) 371-0148 7. Transporter 2 Company Name E. State Transporter's ID [Reserved.] F. Transporter's Phone G. State Facility's ID 10. US EPA ID Num 10840 ALTAMONT PASS ROAD H. Facility's Phone LIVERMORE CA 94550 IC IA ID 19 18 11 13 18 12 17 13 12 (925)449-6349 12. Containers 13. Total 14. Unit 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) Wt/Vol Waste Number No. Type Quantity WITHIN State 151 R.Q. ASBESTOS 9, NA 2212 PGIII (NAERG#171) EPA/Other G 0000115 E 1-800-424-8802: b. State N E EPA/Other R 0 EPA/Other CENTER d. State FPA/Other RESPONSE J. Additional Descriptions for Materials Listed Above K. Handling Codes for Wastes Listed Above FRIABLE ASBESTOS CONTAINING WASTE d. c. NATIONAL 15. Special Handling Instructions and Additional Information 24 HOURS EMERGENCY (800) 428-5232 EPA REGION IX ASBESTOS REMOVAL REQUIREMENT 40CFR61 (BAGGED, SEALED & LABELED) 出 CALL 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. SPILL, 8 Printed/Typed Name Day Year EMERGENCY 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Mont Year, P

18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Year

Year

NOT WRITE BELOW THIS LINE.

**4** 2006

TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS. Yellow:

(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and senc to DTSC within 30 days.)

Α C