June 02, 2010

Asbestos and Pb (Lead) Survey UCSB Harder Stadium Press box Building 580

The University of California Santa Barbara (UCSB), Design and Construction Services (DC&S) has compiled this report to disclose existing knowledge of asbestos and Pb (Lead) containing building components located at the press box at Building 580 on the UCSB Campus.

Asbestos Sampling

Table 1.0 Asbestos Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 1.0 - Asbestos Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
B132839	02/16/2010	Forensic	PLM EPA Method	Various building components in the press box
		Analytical	600/R-93-116	of Bldg. 580.
B133209	02/25/2010	Forensic	PLM EPA Method	Roof samples on the press box of Bldg 580.
		Analytical	600/R-93-116	

Lead Paint Sampling Results

Table 2.0 Pb (Lead) Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 2.0 – Pb (Lead) Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
M108872	02/16/2010	Forensic Analytical	TTLC Metal Analysis Flame AA	Various panted surfaces in and on the press box of Bldg. 580.

UCSB's industrial wastewater permit¹ local limit for lead is 1.040 mg/l. The California Code of Regulations, Title 22 classifies waste containing more than 50 ppm lead as hazardous² without further waste characterization. If you have any question regarding this report please contact me at 805-451-1918 or *gene.horstin@dcs.ucsb.edu*

Sincerely,

Gene Horstin

University of California Santa Barbara Asbestos and Pb Clerk of the Works

Asbestos Abatement Project Designer Cert# PD39-10

Asbestos Inspector & Management Planner Cert# BIMP91-10

Asbestos Contractor & Supervisor Cert# CS182-10

CDPH Lead Inspector/Assessor ID# 20134

¹Industrial Wastewater Discharge Permit Number IV-413, Part I, Wastewater Discharge Limitations and Monitoring Requirements – Local Limits

²TITLE 22. Social Security, Division 4.5. Environmental Health Standards for the Management of Hazardous Waste, Chapter 11. Identification and Listing of Hazardous Waste, Article 3. Characteristics of Hazardous Waste, §66261.24, Characteristic of Toxicity

Bulk Asbestos Analysis

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

U.C. Santa Barbara **Client ID:** 5151 Project Manager **Report Number:** B132839 **Design and Construction Svcs Date Received:** 02/12/10 Building 370 **Date Analyzed:** 02/16/10 Santa Barbara, CA 93106 **Date Printed:** 02/16/10 **First Reported:** 02/16/10 Job ID/Site: Harder Stadium Remodel - Bldg 580 Pressbox **FALI Job ID:** 5151-1347 **Total Samples Submitted:** 9 **Date(s) Collected:** 02/10/2010 **Total Samples Analyzed:** Asbestos Percent in Asbestos Percent in Asbestos Percent in Sample ID Lab Number Type Layer Type Layer Type Layer 10951829 20100210-580-PLM-01 Layer: White Non-Fibrous Material ND Total Composite Values of Fibrous Components: Asbestos (ND) Cellulose (Trace) 20100210-580-PLM-02 10951830 Layer: Brown Mastic ND Total Composite Values of Fibrous Components: Asbestos (ND) Cellulose (Trace) 20100210-580-PLM-03 10951831 ND Layer: Brown Mastic Total Composite Values of Fibrous Components: Asbestos (ND) Cellulose (Trace) 20100210-580-PLM-04 10951832 Layer: Brown Mastic ND Total Composite Values of Fibrous Components: Asbestos (ND) Cellulose (Trace) 20100210-580-PLM-05 10951833 Layer: Blue Tile Chrysotile 2 % ND Layer: Black Mastic Total Composite Values of Fibrous Components: Asbestos (2%) Cellulose (Trace) 20100210-580-PLM-06 10951834 ND Layer: White Drywall 2 % Layer: Off-White Joint Compound Chrysotile Layer: Paint ND Total Composite Values of Fibrous Components: Asbestos (Trace) Cellulose (20 %) Fibrous Glass (10 %) 20100210-580-PLM-07 10951835 ND Layer: White Drywall Layer: Off-White Joint Compound 2 % Chrysotile Total Composite Values of Fibrous Components: Asbestos (Trace) Cellulose (20 %) Fibrous Glass (10 %)

Report Number: B132839
Client Name: U.C. Santa Barbara Date Printed: 02/16/10

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20100210-580-PLM-08 Layer: White Drywall	10951836		ND				
Layer: Wille Diywali Layer: Off-White Joint Compound Layer: Paint		Chrysotile	2 % ND				
Total Composite Values of Fibrous Con Cellulose (20 %) Fibrous Glass (10	•	Asbestos (Trace))				
20100210-580-PLM-09 Layer: Brown Mastic	10951837		ND				
Total Composite Values of Fibrous Con Cellulose (Trace) Talc (2 %)	nponents: A	Asbestos (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'.

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Asbestos and Lead Program – Contact J. Ripley 805-893-7984 jerome.ripley@dcs.ucsb.edu

Project: Harder Stadium Remodel

Date: <u>02/10/2010</u>

W.O.#: 245-60

Sampler Name: G. Horstin

Building Name/Number: <u>Bldg. 580 Pressbox</u> Turn Around

Sample Analysis Turn Around

запри живуяв	14111 /1104		1007
PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 02	215/2010	

Sample No.	Material(s)	HID No.	Location
20100210- 580-PLM-01	White caulk.		Bldg. 580, rm. 2203, on counter against wall.
20100210- 580-PLM-02	Brown "hockey puck" mastic.		Bldg. 580, rm. 2201, ceiling, against west wall, 11' from north wall.
20100210- 580-PLM-03	Brown "hockey puck" mastic.		Bldg. 580, rm. 2203, ceiling, 1' from north wall, 3' from east wall.
20100210- 580-PLM-04	Brown "hockey puck" mastic.		Bldg. 580, rm. 2205, ceiling, 1' from west wall, 2' from north wall.
20100210- 580-PLM-05	Blue 9" floor tile, black mastic.		Bldg. 580, rm. 2203, floor, 1' from north wall, 2' from east wall.
20100210- 580-PLM-06	White paint, joint compound, gypsum.		Bldg. 580, rm. 2202, south wall, 4' up from floor, 2' from west wall.
20100210- 580-PLM-07	Joint compound, gypsum.		Bldg, 580, rm, 2203, ceiling, 1' from north wall, 2' from west wall.
20100210- 580-PLM-08	White paint, joint compound, gypsum.		Bidg. 580, rm. 2203, north wall, 2° from east wall, 4° up from floor.
20100210- 580-PLM-09	Brown base board mastic.		Bldg. 580, rm. 2203, north wall.
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Chain of Custody				Organiy najyund by Germ Homat n
Relinquished by Name:	G. Horstin	Company:_	UCSB	Date/Time: 4 The Control of the Cont
Received by Name:BH	FIE	Company:_	FASI	Date/Time: 1/2/0

Layer: Black Woven Material

Cellulose (30 %)

Total Composite Values of Fibrous Components:

Bulk Asbestos Analysis

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

U.C. Santa Barbara **Client ID:** 5151 Jerome Ripley Report Number: B133209 **Design and Construction Svcs Date Received:** 02/24/10 Building 370 **Date Analyzed:** 02/25/10 Santa Barbara, CA 93106 **Date Printed:** 02/25/10 **First Reported:** 02/25/10 Harder Stadium Roof Repairs - Bldg. 580 Pressboxes - W.O. # 245-60 **FALI Job ID:** 5151-1596 **Total Samples Submitted:** 4 **Date(s) Collected:** 02/23/2010 **Total Samples Analyzed:** Asbestos Percent in Asbestos Percent in Asbestos Percent in Sample ID Lab Number Type Layer Type Layer Type Layer 20100223-580-PLM-01 10955486 Layer: Black Semi-Fibrous 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. 20100223-580-PLM-02 10955487 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 (65 %) Comment: Bulk complex sample. 20100223-580-PLM-03 10955488 ND Layer: Black Semi-Fibrous Tar

Asbestos (ND)

ND

Report Number: B133209
Client Name: U.C. Santa Barbara
Date Printed: 02/25/10

Sample ID Lab Number Type Layer Type Layer Type 20100223-580-PLM-04 Layer: Beige Semi-Fibrous Material Layer: Blue Green Non-Fibrous Material Layer: Metal ND ND	mener (unice e.e. Sunta Bareara				Dute I I miteu.	02,23,	10
Layer: Beige Semi-Fibrous Material Layer: Blue Green Non-Fibrous Material ND Layer: Metal ND	ample ID La	ab Number			 		Percent in Layer
Layer: Blue Green Non-Fibrous Material ND Layer: Metal ND	0100223-580-PLM-04	0955489					
Layer: Metal ND	Layer: Beige Semi-Fibrous Material			ND			
	Layer: Blue Green Non-Fibrous Material			ND			
	Layer: Metal			ND			
Total Composite Values of Fibrous Components: Asbestos (ND) Cellulose (Trace) Fibrous Glass (25 %)	Total Composite Values of Fibrous Compon Cellulose (Trace) Fibrous Glass (25 %)		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'.

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University of California, Santa Barbara
Environmental Health and Safety - Client # 5151 - 1596
Asbestos
Asbestos and Lead Program - Contact J. Ripley 805-893-7984 jerome.ripley@dcs.ucsb.edu

Project: Harder Stadium Roof Repairs	Date: <u>02/23/2010</u>	W.	O.#: 245-60
Sampler Name: G. Horstin Sample Analysis	Building Name/Number: <u>Bldg</u> Turn Aroun		<u>es</u>
PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 0	2/25/2010	•

Sample No.	Material(s)	HID No.	Location
20100223- 580-PLM-01	Black roofing felt, tar, black patch.		Bldg. 580, pressbox, lower roof, main field.
20100223- 580-PLM-02	Black roofing felt, tar.		Bldg. 580, pressbox, lower roof, main field.
20100223- 580-PLM-03	Black felt, tar.	2	Bldg. 580, pressbox, lower roof, cant against upper roof.
20100223- 580-PLM-04	Silver paint, blue paint, off-white felt.		Bldg. 580, pressbox, upper roof, main field.

Chain of Custody			Digitally signed by Gene Horstin ■ DN: cn=Gene Horstin, c=US,
Relinquished by Name: G. Horstin	Company: UCSB	Date/Time: for 1/100	o=UCSB, ou=Design and Construction, email=gene. horstin@dcs.ucsb.edu Reason: I am the author of this document Date: 2010.02.23 15:12:26 -08'06
Received by Name: W. Inzamy	Company: FASI	Date/Time: 124//	0
	F/E	10:30	AM

Metals Analysis of Paints

U.C. Santa Barbara **Client ID:** 5151 Jerome Ripley Report Number: M108872 **Design and Construction Svcs** 02/12/10 Date Received: Building 370 **Date Analyzed:** 02/16/10 Santa Barbara, CA 93106 **Date Printed:** 02/16/10 First Reported: 02/16/10

Job ID / Site: Harder Stadium Pressbox Remodel, Bldg. 580 Pressbox, W.O.#245-60

FALI Job ID: 5151-1347

Date(s) Collected: 02/10/10

Total Samples Submitted: 4

Total Samples Analyzed: 4

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20100210-580-PB-01	30367153	Pb	60	ppm	60	EPA 3050B/7420
20100210-580-PB-02	30367154	Pb	9900	ppm	300	EPA 3050B/7420
20100210-580-PB-03	30367155	Pb	1200	ppm	60	EPA 3050B/7420
20100210-580-PB-04	30367156	Pb	< 60	ppm	60	EPA 3050B/7420

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Dave Sandusky, CIH, Laboratory Supervisor, Hayward Laboratory

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^{*} The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

University of California, Santa Barbara Environmental Health and Safety - Client # 5151 Bulk Sample Log
Pb (Lead)

Asbestos and Lead Program - Contact J. Ripley 805-893-7984 jerome.ripley@dcs.ucsb.edu

Project: <u>Harder</u>	· Stadium Pre	<u>ssbox Remodel</u>	<u>el</u> Date: <u>02/10/20</u>	<u> 10 </u>
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W.O.#: 245-60

Sampler Name: G. Horstin	Building Name/Number: Bldg. 580 Pressbox					
Sample Analysis	Turn Around					
TTLC Pb	12 HR	24 HR	Other			
Lab Instructions:	Due Date: 0	Due Date: 02/15/2010				

THE STREET PARTY TO STREET	Average exty "Visite in the second	TITING I	Location		
		INTERIMOS.			
20100210-	White paint on gypsum substrate.		Bldg. 580, rm. 2203, north wall, west of		
580-Pb-01			counter.		
20100210-	Beige paint on wood substrate.		Bldg. 580, rm. 2202, on north side of door		
580-Pb-02			frame.		
20100210-	Beige paint over grey paint over		Bldg. 580, exterior walkway behind pressboxes		
580-Pb-03	yellow paint on metal substrate,	trate, doors, on railing cap.			
20100210- 580-Pb-04	Beige paint on wood substrate.		Bldg. 580, rm. 2203, on exterior of door.		
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