UNIVERSITY OF CALIFORNIA, SANTA BARBARA

DESIGN AND CONSTRUCTION SERVICES SANTA BARBARA, CALIFORNIA 93106-5132

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 Analytical	PLM EPA Method 600/R-93-116	Various building components in the press box of Bldg. 580.
B133209	02/25/2010	Forensic Analytical	PLM EPA Method 600/R-93-116	Roof samples on the press box of Bldg 580.

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 permit[1] 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 hazardous[2] 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,

Digitally signed by Gene Horstin
DN: cn=Gene Horstin, c=US, o=UCSB, ou=Design and Construction, email=gene.horstin@dcs.ucsb.edu
Reason: I am the author of this document
Date: 2010.06.02 15:51:11 -07'00'

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

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

[2] TITLE 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
Project Manager
Design and Construction Svcs
Building 370
Santa Barbara, CA 93106

Client ID: 5151
Report Number: B132839
Date Received: 02/12/10
Date Analyzed: 02/16/10
Date Printed: 02/16/10
First Reported: 02/16/10

Job ID/Site: Harder Stadium Remodel - Bldg 580 Pressbox

FALI Job ID: 5151-1347

Date(s) Collected: 02/10/2010

Total Samples Submitted: 9
Total Samples Analyzed: 9

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20100210-580-PLM-01	10951829						
Layer: White Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
20100210-580-PLM-02	10951830						
Layer: Brown Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
20100210-580-PLM-03	10951831						
Layer: Brown Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
20100210-580-PLM-04	10951832						
Layer: Brown Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
20100210-580-PLM-05	10951833						
Layer: Blue Tile		Chrysotile	**2 %**				
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (2%)**					
20100210-580-PLM-06	10951834						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (Trace)**					
20100210-580-PLM-07	10951835						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound		Chrysotile	**2 %**				
Total Composite Values of Fibrous Components: Cellulose (20 %) Fibrous Glass (10 %)		**Asbestos (Trace)**					

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

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	10951836						
Layer: White Drywall			**ND**				
Layer: Off-White Joint Compound		Chrysotile	**2 %**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (Trace)**					
Cellulose (20 %) Fibrous Glass (10 %)							
20100210-580-PLM-09	10951837						
Layer: Brown Mastic			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (Trace) Talc (2 %)							

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

Bulk Sample Log
Asbestos

Project: Harder Stadium Remodel **Date:** 02/10/2010 **W.O.#:** 245-60

Sampler Name: G. Horstin **Building Name/Number:** Bldg. 580 Pressbox

Sample Analysis	**Turn Around**		
PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 02/15/2010		

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.		Bldg. 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.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB Date/Time: for Horstin

Received by Name: BH FK Company: FASI Date/Time: 2/12/10 1180am

Page ___ of ___

Bulk Asbestos Analysis

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

U.C. Santa Barbara
Jerome Ripley
Design and Construction Svcs
Building 370
Santa Barbara, CA 93106

Client ID: 5151
Report Number: B133209
Date Received: 02/24/10
Date Analyzed: 02/25/10
Date Printed: 02/25/10
First Reported: 02/25/10

Job ID/Site: Harder Stadium Roof Repairs - Bldg. 580 Pressboxes - W.O. # 245-60

FALI Job ID: 5151-1596

Date(s) Collected: 02/23/2010

Total Samples Submitted: 4
Total Samples Analyzed: 4

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20100223-580-PLM-01	10955486						
Layer: Black Semi-Fibrous 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.							
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						
Layer: Black Semi-Fibrous Tar			**ND**				
Layer: Black Woven Material			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
Cellulose (30 %)							

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Report Number: B133209

Client Name: U.C. Santa Barbara **Date Printed:** 02/25/10

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20100223-580-PLM-04	10955489						
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 %)							

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** - ~~1347~~ ~~1594~~ 1596
Asbestos and Lead Program – **Contact J. Ripley 805-893-7984 jerome.ripley@dcs.ucsb.edu**

Bulk Sample Log
Asbestos

Project: Harder Stadium Roof Repairs **Date:** 02/23/2010 **W.O.#:** 245-60

Sampler Name: G. Horstin **Building Name/Number:** Bldg. 580 Pressboxes

Sample Analysis	**Turn Around**		
PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 02/25/2010		

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.		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

Relinquished by Name: G. Horstin Company: UCSB Date/Time: for Horstin

Digitally signed by Gene Horstin
DN: cn=Gene Horstin, c=US, 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 -08'00'

Received by Name: N. Irizarry Company: FASI Date/Time: 2/24/10
F/E 10:30AM

Forensic Analytical Laboratories

Metals Analysis of Paints

U.C. Santa Barbara
Jerome Ripley
Design and Construction Svcs
Building 370
Santa Barbara, CA 93106

Client ID: 5151
Report Number: M108872
Date Received: 02/12/10
Date Analyzed: 02/16/10
Date Printed: 02/16/10
First Reported: 02/16/10

Job ID / Site: Harder Stadium Pressbox Remodel, Bldg. 580 Pressbox, W.O.#245-60
Date(s) Collected: 02/10/10

FALI Job ID: 5151-1347
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

* 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.

Dave Sandusky, CIH, Laboratory Supervisor, Hayward Laboratory

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

Bulk Sample Log
Pb (Lead)

Project: Harder Stadium Pressbox Remodel **Date:** 02/10/2010 **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: 02/15/2010		

Sample No.	Material(s)	HID No.	Location
20100210-580-Pb-01	White paint on gypsum substrate.		Bldg. 580, rm. 2203, north wall, west of counter.
20100210-580-Pb-02	Beige paint on wood substrate.		Bldg. 580, rm. 2202, on north side of door frame.
20100210-580-Pb-03	Beige paint over grey paint over yellow paint on metal substrate.		Bldg. 580, exterior walkway behind pressboxes doors, on railing cap.
20100210-580-Pb-04	Beige paint on wood substrate.		Bldg. 580, rm. 2203, on exterior of door.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB Date/Time: 2/12/10

Received by Name: BH FIE Company: FASI Date/Time: 2/12/10 11:30am

Page ___ of ___