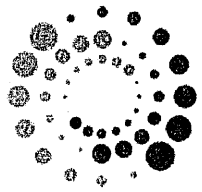


TERRA
Environmental

ATTN: JERRY MIERS
FACILITIES PROJECT SUPERVISOR
FACILITIES SERVICES
CALIFORNIA STATE UNIVERSITY LOS ANGELES
5151 STATE UNIVERSITY DRIVE
LOS ANGELES, CA 90032

LIMITED ASBESTOS AND LEAD SURVEY REPORT

King Hall – Room 3098C
5151 State University Drive
Los Angeles, CA 90032

Date Prepared: October 31, 2019

12631 Imperial Hwy Suite A225. Santa Fe Springs, CA 90670
Tel 562.868.3777 Fax 562.868.3778 www.terraeng.com

I. Executive Summary and Introduction

At the request of Mr. Jerry Miers of California State University Los Angeles, Terra Environmental (TERRA) performed a field survey on October 31, 2019 at King Hall located at 5151 State University Drive Los Angeles, CA 90032.

The purpose of the survey was to identify asbestos containing material (ACM) and lead-containing paint (LCP) that will be impacted by the water damage restoration project in Room 3098C of King Hall Building.

II. Scope of Work

The asbestos and lead testing and assessment was limited only to the building materials that are anticipated to be impacted by the scope of work and areas involved in the water damage restoration project in Room 3098C of King Hall.

III. Sampling Methodology, and Analytical Procedures

Mr. Israel Monsalvo a California, Division of Occupational Safety and Health (DOSH)-Certified Asbestos Consultant, CAC # 04-3551 and a CA Department of Public Health (CDPH) Certified Lead Assessor #LRC-00001220 of Terra Environmental performed the limited field survey at King Hall Room 3098C.

Terra Environmental collected a total of three (3) bulk samples of suspect ACM. The samples were transferred following proper chain of custody protocol to AIH Laboratory, located at 2556 W. Woodland Dr. Anaheim, CA, for analysis. AIH is an accredited laboratory for bulk asbestos analysis under the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (Certification Number 500079-0).

The samples were analyzed by Polarized Light Microscopy (PLM) with optical dispersion staining in accordance with the United States Environmental Protection Agency (EPA) Method (EPA 600/M4-82-020 per 40 CFR 763, subpart F, Appendix A).

Terra Environmental also collected one (1) paint chip sample of suspect LCP. The samples were transferred following proper chain of custody protocol to AIH Laboratory for analysis. AIH laboratory is also proficient to perform analysis for lead under California's DHS-Environmental Laboratory Accreditation Program. The samples were analyzed using Flame Atomic Absorption Spectroscopy in accordance with EPA SW-846 3050B Method 7420.

IV. Discussion of Survey Findings and Recommendations

ASBESTOS

Asbestos-containing material (ACM) means any material containing more than 1% asbestos. Asbestos Standard for Construction 29 CFR 1926.1101.

Asbestos-Containing Construction Material (ACCM) is defined by California DOSH Title 8, Section 1529 (341.6 Registration Requirements) to mean any manufactured construction material which contains more than 1/10th of 1 percent asbestos by weight.

The visual inspection, intrusive sampling and bulk sample analysis results revealed the following Asbestos-Containing Materials:

1. The Asbestos bulk sample analysis results revealed the following:

Homogeneous Material	Location	Lab Sample Numbers	Asbestos detected	Quantity
Plaster	Room 3098C walls	191651101 191651102 191651103	None Detected	40 Sq. Ft.

Recommendations for handling ACM: None

No ACCM will be impacted by the water damage restoration project **in King Hall – Room 3098C.**

Should materials different to those identified in this report or, other forms of suspect hazardous materials be discovered during the renovation process, the contractor should be instructed to cease all work activities which may initiate an exposure episode and notify the appropriate management personnel.

LEAD BASED PAINT

Lead Based Paint – Means paint or other surface coatings that contain an amount of lead equal to or greater than 0.7 milligrams per square centimeter (0.7 mg/cm^2) or equal to or greater than 0.5 percent by weight.

The visual inspection and paint chips sample analysis results revealed the following Lead-Containing Paint:

2. The Paint chip sample analysis revealed the following:

Sample No.	Color	Building Component	Substrate	Condition	Lead Concentration
L-01	Off white	Room 3098C	Plaster	Peeling	0.02% wt.

Recommendations for handling LBP: NONE

No lead based paint will be impacted by the water damage restoration project in King Hall – Room 3098C.

Note: During construction projects, workers must not be exposed to above the Action Level (AL) of 30 µg/m3, without proper respiratory protection, medical surveillance and training, regardless of the lead content.

V. General Recommendations and Notes

TERRA has endeavored to observe the exiting conditions within the subject property using generally accepted procedures. Regardless of the thoroughness of a survey, there is always a possibility some areas containing asbestos were overlooked or were inaccessible, or are different from those at specific sample locations. Therefore, conditions at every location may not be as anticipated by our field representative. In addition, demolition/renovation may uncover altered or differing conditions.

Written by.

Israel Monsalvo,
CAC #04-3551
DHS 9699

VI. Confidentiality and Limitations

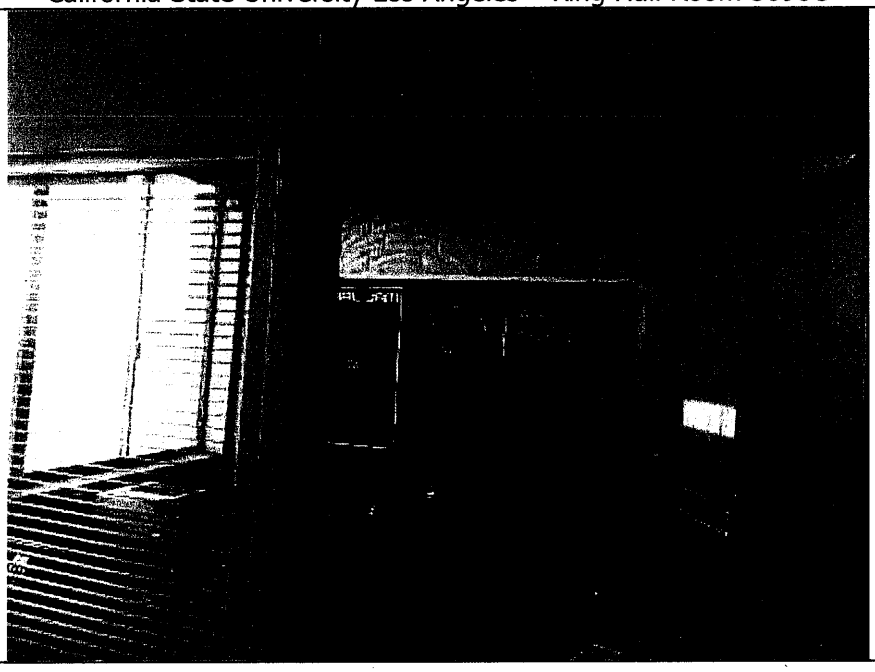
This report has been prepared for the sole use of California State University Los Angeles. Materials quantities are in some cases, listed within this document. Those quantities are not intended to be used for removal bidding purposes. This document also is not intended as a contract manual; work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals and notifications should in all cases be addressed in a separate and independent bidding and contract document.

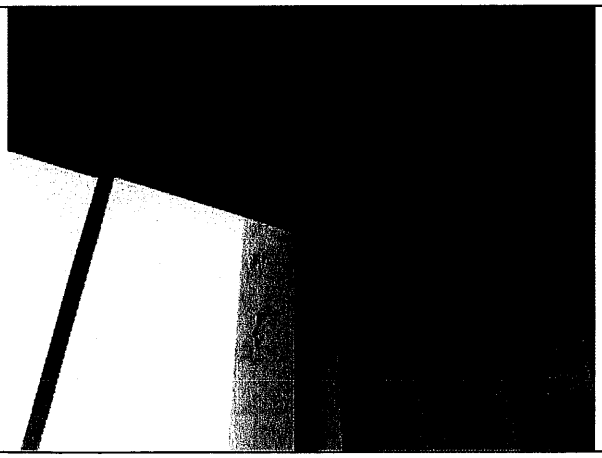
Attachments:

- Site Photos
- Chain of Custody
- Lab report
- Plotting
- Certifications

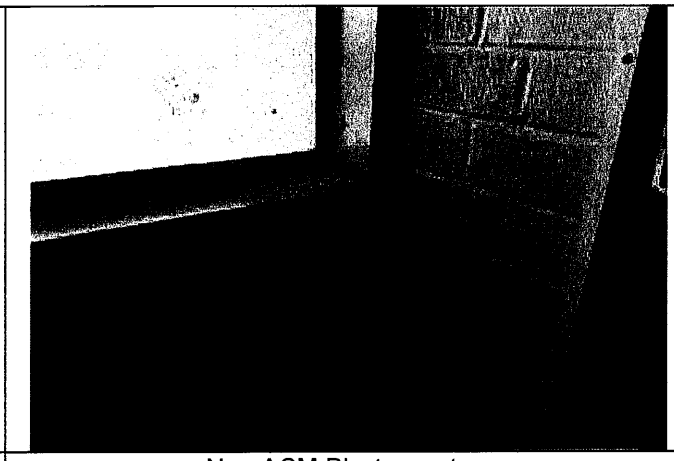
Site Photos

California State University Los Angeles – King Hall Room 3098C





Non-LBP



Non-ACM Plaster system

ASBESTOS SAMPLE RESULTS

AND COC

AIH LABORATORY
2556 W Woodland Dr Anaheim, CA 92801

BULK ASBESTOS FIBER ANALYSIS

BY POLARIZED LIGHT MICROSCOPY

NVLAP Lab Code: 500679-0
Phone:(562) 860-2201
www.aihlab.com

Client Name: Terra Environmental
Project Manager: Israel Monsalvo
Client Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670
Project Number: 72175
Project Location: King Hall 3098C

Lab Batch Number: 1916511
Samples Submitted: 3
Samples Analyzed: 3
Analysis Method: EPA Method 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 191651101 **Client ID:** B-01

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	White powdery material	**None Detected**	None Detected	Binder/Filler

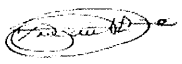
Lab ID: 191651102 **Client ID:** B-02

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	White powdery material	**None Detected**	None Detected	Binder/Filler

Lab ID: 191651103 **Client ID:** B-03

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	White powdery material	**None Detected**	None Detected	Binder/Filler

Analyzed by: Julia Chen **Signature:**  **Date:** 11-01-2019

Reviewed by: Zubair Ahmed **Signature:**  **Date:** 11-01-2019

Reporting limit is 1%. If the sample was not collected by AIH Laboratory then the accuracy of the results is limited by the methodology and experience of the sample collector. Clients can verify specific reporting limit requirement from local regulatory agencies. Liability limited to cost of samples analysis. This report shall not be reproduced except in full, without written approval of AIH Laboratory. It shall not be used to claim product endorsement by NVLAP or any other agency of the government. Reported results relate only to the samples tested and may not be the representative of the sample area. AIH Laboratory shall dispose of the Customer's samples 30 days after receiving the samples unless instructed to store them for an alternate period of time in writing.

TERRA ENVIRONMENTAL

1916511

Job Name - Location - Job Number	Billing Info:
72175 CSULA KING HALL 3098C	Terra Environmental Services Inc. Technician: I. M 12631 Imperial Hwy Suite A225, Santa Fe Springs CA 90760 Email: israel@terraeng.com/ulises@terraeng.com

Sample Analysis:	PLM – Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy	TAT	24 HR

ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
B01	PLASTER	1	ROOM 3098 C WALL	D	N	40 SF
B02	"	1	" SILL	"	"	"
B03	"	1	" WALL	"	"	"

Notes

Relinquished By:	Date & Time
Received By:	**Date & Time**
Ryan Sewell	11/01/19 8:30A

LEAD SAMPLE RESULTS

AND COC

2556 W Woodland Dr Anaheim, CA 92801 | Tel:(562) 860-2201 | www.aihlab.com

AIH LABORATORY

Analysis Report

Total Lead (Pb)

Client: Terra Environmental
Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670

Project Manager: Israel Monsalvo
Project #: 72175
Project Location: King Hall - 3098C

Report Status: Final Report
Lab Batch #: 1916512
Matrix: Paint chips
Method: Modified EPA 7420
Samples Submitted: 1
Samples Analyzed: 1
Bench Run No: 53734

Lab ID	Client Sample ID	Sample Weight (g)	RL in percent	Results in mg/kg	Results in percent
191651201	L-01	0.1016	0.02	217	0.02

Sampled By: Client

Analyzed by: Danny Do **Signature:** Danny Do **Date:** 11-01-2019

Reviewed by: Danny Do **Signature:** Danny Do **Date:** 11-01-2019

Units: mg/kg = milligrams per kilogram; percent = milligrams per kilogram/10000
RL = Reporting limit; "<" = below the reporting limit, mg/kg = ppm
Notes: Samples were prepared in accordance with modified EPA 3051 or EPA 3050B unless stated otherwise. Condition of all samples and method QC results are acceptable unless stated otherwise. Reported results relate only to the samples tested and may not be the representative of the sample area.
AIHA LAP, LLC Accredited Laboratory for Environmental Lead Laboraotory ISO/IEC 17025:2005, Lab ID# 203769

TERRA Environmental

1916512

Lead Chain of (

LEAD ANALYSIS- Flame Atomic Absorption

12631 Imperial Hwy. Suite # A225
Santa Fe Springs, CA 90670
Tel 562.868.3777
Fax 562.868.3778
Email Results to Everyone

- [x] Chips, SW846 - 7420 or AOAC 5.009 (974.02)
- [ ] Wipe, SW846 - 7420 or AOAC 5.009 (974.02)
- [ ] Soil, SW846 -7420
- [ ] TTLC, STLC (As needed), TLCP (As Needed)
- [ ] Other : _____

Project No : 72175
Client Name : CSULA
Project Name : WATER DAMAGE
Project Address : KING HALL - 3098C

Sample Date : 10-31-19
Field Technician : I. MONSALVO
Lab : AIH

TURNAROUND TIME

☐ 3 Hrs. ☐ 6 Hrs. ☐ 12 Hrs. ☑ ~~24~~ Hrs. ☐ 48 Hrs. ☐ 72 Hrs. ☐ 4 Days ☐ 5 Days ☐ 6-10 Days

SAMPLE MATRIX

☐ Air ☐ Bulk ☐ Soil ☐ Wipe ☐ Micro-Vac ☐ Drinking Water ☐ Wastewater ☐ Chips ☐ Other

Sample Number	Component Vol / Ltr	Substrate Min/ Hr	Location	Area/Color	Condition Intact/Peeling
L-01	WALL	PLASTER	LM 3098C / 1 cm^2	OFFWHITE	PEELING

Relinquished to Carrier/Office: _____ Date: _____ Time: _____
Relinquished by : _____ Date: _____ Time: _____
Received : Emily Chang Emily Chang Date: 11/1/2019 Time: 8:30AM

CERTIFICATIONS

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 500079-0

AIH Laboratory

Anaheim, CA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2018-10-01 through 2019-09-30

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

AIHA
Laboratory Accreditation Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

AIH Laboratory

2556 West Woodland Drive, Anaheim, CA 92801

Laboratory ID: 203769

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: October 01, 2020
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: October 01, 2020
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: October 01, 2020
☐	**FOOD**	Accreditation Expires:
✓	**UNIQUE SCOPES**	Accreditation Expires: October 01, 2020

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Beth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 17 – 09/11/2018

Date Issued: 09/28/2018

TERRA Environmental

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Israel Monsalvo
Name

Certification No. 04-3551

Expires on 09/20/20

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00001220	9/1/2020
	Lead Project Monitor	LRC-00001219	9/1/2020

Israel Monsalvo

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

Israel Monsalvo, CAC, CDPH-I/A & PM
Cal/OSHA-Certified Asbestos Consultant #04-3551
CDPH-Certified Lead I/A, PM # 9699