



TO: California State University Los Angeles
Arthur Lopez
Facilities Project Supervisor
Facilities Services

LIMITED ASBESTOS SURVEY REPORT
CSULA - King Hall (Rooms 4061 & 4056)
5151 State University Drive
Los Angeles, CA 90032

Date Prepared: February 1, 2023

I. Executive Summary and Introduction

Terra Environmental performed an asbestos survey on January 30, 2023 at CSULA – King Hall (Rooms 4061 & 4056) located at 5151 State University Drive Los Angeles, CA 90032.

The purpose of the survey was to identify asbestos containing material (ACM) that will be impacted by the restoration project activities at CSULA – King Hall (Rooms 4061 & 4056).

II. Scope of Work

The asbestos assessment was limited only to the building materials that are anticipated to be impacted by the scope of work and areas involved in the restoration project activities. The building materials tested for asbestos included: Plaster System and Finish Compound.

SITE DESCRIPTION

The subject sites consist of office/classroom spaces of a multi-story building. In general, the construction materials consist of concrete/steel frame construction on a slab foundation. The interior finishes consist of plaster walls and T-bar ceilings. The floors are covered with vinyl floor tile. The structure is intact and no damage (fire or structural) was observed.

III. Sampling Methodology, and Analytical Procedures

The asbestos building survey and sample collection was performed by Mr. Israel Monsalvo, DOSH Certified Asbestos Consultant CAC#04-3551 Exp. 05/20/2023.

INSPECTION PROCEDURE (763.85)

Areas Inspected: In each area of the building, the inspector performed a preliminary walk-through to designate the functional spaces. He also noted which areas had homogeneous materials.

The inspector then visually inspected each accessible room or space in the building. The inspector touched suspect materials to determine if they were friable. For each suspect material, the inspector noted its condition and the potential for disturbance.

Terra Environmental collected a total of six (6) bulk samples of suspect ACM that were analyzed twelve (12) times on a layer by layer basis. The samples were transferred following proper chain of custody protocol to AIH Laboratory located at 2556 W Woodland Dr. Anaheim, CA 92801 Phone# (562) 860-2201 for analysis. AIH Laboratory 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).

The PLM Method is the most commonly used method to analyze building materials for the presence of asbestos. This method utilizes the optical properties of minerals to identify the selected constituent. The detection limit of the PLM method for asbestos identification is one percent (1%) asbestos. Because the State of California recognizes asbestos-containing construction material (ACCM) as any material, which contains greater than or equal to one tenth of one percent (0.1) asbestos, materials containing "trace" amounts of asbestos are reported as ACCM in the State of California.

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:

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity
Plaster System	Room 4061 Walls	230216901 230216902 230216903	None Detected	N	Damaged	420 SF
Finish Compound	Room 4056 Walls	230216904 230216905 230216906	None Detected	N	Damaged	18 SF

Recommendations for handling ACM: NONE

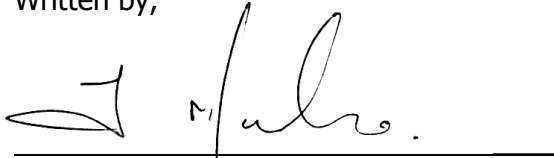
No asbestos containing materials will be impacted by the restoration project activities at CSULA – King Hall (Rooms 4061 & 4056).

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.

V. General Recommendations and Notes

Terra has endeavored to observe the existing 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 may uncover altered or differing conditions.

Written by,



Israel Monsalvo,
DOSH CAC #04-3551
CDPH Lead I/A #LRC-00001220

VI. Confidentiality and Limitations

This report has been prepared for the sole use of California State University Los Angeles. Material 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:

Chain of Custody
Lab report
Certifications

PHOTOGRAPHS

Picture #1

Room 4061
Plaster wall
Asbestos - None detected



Picture #2

Room 4056
Finish compound
Asbestos – None Detected



ASBESTOS SAMPLE RESULTS
AND COC



2556 W Woodland Dr Anaheim, CA 92801

BULK ASBESTOS FIBER ANALYSIS
BY POLARIZED LIGHT MICROSCOPY



Client Name: Terra Environmental
Project Manager: Israel Monsalvo
Client Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670
Project Number: 73800
Project Location: CSULA King Hall Bldg

Lab Batch Number: 2302169
Samples Submitted: 6
Samples Analyzed: 6
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 230216901

Client ID: B01

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	White compacted powdery material with paint	None Detected	None Detected	Binder/Filler
2.	White sandy material	None Detected	None Detected	Binder/Filler, Mineral Grains
3.	Grey sandy material	None Detected	None Detected	Binder/Filler, Mineral Grains

Lab ID: 230216902

Client ID: B02

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	White compacted powdery material with paint	None Detected	None Detected	Binder/Filler
2.	White sandy material	None Detected	None Detected	Binder/Filler, Mineral Grains
3.	Grey sandy material	None Detected	None Detected	Binder/Filler, Mineral Grains

Lab ID: 230216903

Client ID: B03

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	White compacted powdery material with paint	None Detected	None Detected	Binder/Filler
2.	White sandy material	None Detected	None Detected	Binder/Filler, Mineral Grains
3.	Grey sandy material	None Detected	None Detected	Binder/Filler, Mineral Grains

Lab ID: 230216904

Client ID: B04

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



2556 W Woodland Dr Anaheim, CA 92801

BULK ASBESTOS FIBER ANALYSIS

BY POLARIZED LIGHT MICROSCOPY



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: 73800
Project Location: CSULA King Hall Bldg

Lab Batch Number: 2302169
Samples Submitted: 6
Samples Analyzed: 6
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 230216905

Client ID: B05

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

Lab ID: 230216906

Client ID: B06

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

Analyzed by: Vivian Le

Signature:

Date: 01-31-2023

Reviewed by: Zubair Ahmed

Signature:

Date: 01-31-2023

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 14 days after receiving the samples unless instructed to store them for an alternate period of time in writing.


2302169

Job Name & Location 73800 CSULA KING HALL BLDG	Billing Info: Terra Environmental Services Inc. 12631 Imperial Hwy Suite A225 Santa Fe Springs CA 90760 Email: israel@terraeng.com
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Sample Analysis:		PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy			TAT	24 HRS	
ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity	
B01	PLASTER SYSTEM	1	ROOM 4061 WALLS	DAMAGED	N	420 SF	
B02	↓	1	↓	↓		↓	
B03	↓	1	↓	↓		↓	
B04	FINISH COMPOUND	2	ROOM 4056 WALLS	DAMAGED	N	18 SF	
B05	↓	2	↓	↓		↓	
B06	↓	2	↓	↓		↓	

Notes

Relinquished By: ISRAEL MONSALVO	Date & Time 1-30-23
Received By: Amy Nguyen	Date & Time 1/30/23 12:25 pm

CERTIFICATIONS

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

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 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2022-06-21 through 2022-09-30

Effective Dates



A handwritten signature in blue ink, appearing to read 'Peter S. Lamm', written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AIH Laboratory
2556 W. Woodland Dr.
Anaheim, CA 92801
Mr. Zubair M. Ahmed
Phone: 206-979-1415
Email: bestoflive@live.com
<http://www.aihlab.com>

ASBESTOS FIBER ANALYSIS

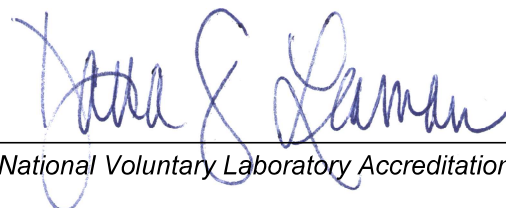
NVLAP LAB CODE 500079-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program



TERRA
Environmental



Israel Monsalvo, CAC, CDPH-I/A & PM
Cal/OSHA-Certified Asbestos Consultant #04-3551
CDPH-Certified Lead I/A LRC-00001220