TO: **Citadel CPM**
Laramie Green

LIMITED ASBESTOS AND LEAD SURVEY REPORT
California State University Los Angeles
King Hall
5151 State University Drive
Los Angeles, CA 90032

Date Prepared: February 9, 2024

I. Executive Summary and Introduction

Terra Environmental performed a field survey on February 8, 2024 at California State University Los Angeles – 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 remediation project activities at CSULA – King Hall.

II. Scope of Work

The asbestos and lead engineering assessment were limited only to the building materials that are anticipated to be impacted by the scope of work and areas involved in the water remediation project activities at CSULA – King Hall.

The building materials tested for asbestos included: VFT with Mastic, Covebase with Adhesive, Plaster System, Pin Hole Ceiling Tile, and Rough Plaster.

The survey was performed in compliance with the requirements of SCAQMD Rule 1403, the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR 763, Cal/OSHA Asbestos Construction Standard Title 8 CCR 1529, as well as the National Emissions Standards for Hazardous Air Pollutants (NESHAPS) 40 CFR 61 Subpart M.

III. Sampling Methodology, and Analytical Procedures

The asbestos building survey and sample collection was performed by Mr. Israel Monsalvo a DOSH Certified Asbestos Consultant (C.A.C. #04-3551 Exp. 05/20/24) and California Department of Health Services (DHS) – Lead Assessor #LRC-00001220 and Mr. Sebastian Monsalvo, California Department of Public Health (CDPH) Lead Sampling Technician (LRC-00010183).

Terra Environmental collected a total of thirty three (33) multilayer bulk samples of suspect ACM that were analyzed sixty six (66) times on a layer by layer basis. The samples were placed in an individual sealed container and labeled with a unique identification number and transferred following proper chain of custody protocol to AIH Laboratory, located at 2556 W Woodland Dr. Anaheim, CA 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 building material (ACBM) as any material, which contains greater than or equal to one tenth of one percent (.1) asbestos, materials containing "trace" amounts of asbestos are reported as ACBM in the State of California.

Terra Environmental also performed a lead paint inspection. Our inspector used a portable NITON-XL 309, XRF LBP Spectrum Analyzer manufactured by NITON Corporation to test for LBP. The LBP analyzer was equipped with 14 mCi, cadmium 109 sealed radioactive source.

Thirty six (36) readings from the subject site were taken to determine what components contained lead at or above the LA County standard of 0.7 mg/cm^2. Terra calibrated the XRF pursuant to the manufacturer's specifications and regularly verified XRF readings against pre-determined lead samples produced by the National Institute of Standards and Testing (NIST).

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.

Asbestos Containing Waste Material (ACWM) per SCAQMD Rule 1403 is any waste that contains commercial asbestos (at any detectable concentration) and that is generated by a source subject to the provisions of this rule.

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*
9x9 Gray VFT with Mastic	4th Floor Room A4027	240229701 240229702 240229703	Chrysotile 2%	Y	Damaged	160 SF
Black Covebase with Adhesive	4th Floor Room A4027	240229704 240229705 240229706	None Detected	Y	Damaged	32 SF
Plaster System	4th Floor Room A4027	240229707 240229708 240229709	None Detected	Y	Damaged	640 SF

Homogeneous Material	Location	Lab Sample Numbers	Asbestos Detected	Friable	Condition	Quantity*
9x9 Gray VFT with Mastic	3rd Floor Rooms: A3057,A3049, A3036	240229710 240229711 240229712	Chrysotile 2%	N	Intact	9600 SF
Black Covebase with Adhesive	3rd Floor Rooms: A3054, A3049, A336	240229713 240229714 240229715	None Detected	N	Intact	360 LF
Plaster System	3rd Floor Rooms: A3054, A3049, A3036	240229716 240229717 240229718	None Detected	N	Damaged	9600 SF
12x12 Pin Hole Ceiling Tile	3rd Floor Rooms: A3054 ,A3049, A3036	240229719 240229720 240229721	None Detected	Y	Damaged	960 SF
Rough Plaster	3rd Floor Rooms: A3054, A3049, A3036	240229722 240229723 240229724	None Detected	Y	Damaged	960 SF
9x9 Gray VFT with Mastic	2nd Floor RM, Hallway	240229725 240229726 240229727	Chrysotile 2%	N	Intact	160 SF
Black Covebase with Adhesive	2nd Floor RM, Hallway	240229728 240229729 240229730	None Detected	N	Intact	60 LF
Plaster System	2nd Floor RM, Hallway	240229731 240229732 240229733	None Detected	N	Intact	600 SF

*** Quantities are approximate and not intended for bidding purposes**

Recommendations for handling ACM:

*Removal and disposal of **9x9 Grey VFT with Mastic** must be performed by a California Licensed Asbestos Abatement Contractor, in accordance with all applicable regulations, including but not limited to, Title 8 CAC 1529 (Cal/OSHA Asbestos), including mandatory and non-mandatory appendices as applicable, and Local Air Quality Management District regulations (SCAQMD 1403).*

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 XRF analysis results revealed the following Lead-Containing Paint:

Color	Building Component	Substrate	Condition	Lead Concentration
White	King Hall A4027 Door Frame	Wood	Intact	2.1 mg/cm^2
White	King Hall A3054 Door Frame	Wood	Intact	1.5 mg/cm^2
White	King Hall A3049 Door Frame	Wood	Intact	0.9 mg/cm^2
White	King Hall A3036 Door Frame	Wood	Intact	2 mg/cm^2
White	Hallway Door Frame	Drywall	Intact	2.2 mg/cm^2
White	King Hall A2052 Door Frame	Wood	Intact	4.4 mg/cm^2
Brown	2nd Floor Hallway Door Frame	Wood	Intact	1.6 – 3.5 mg/cm^2

Recommendations for handling LBP:

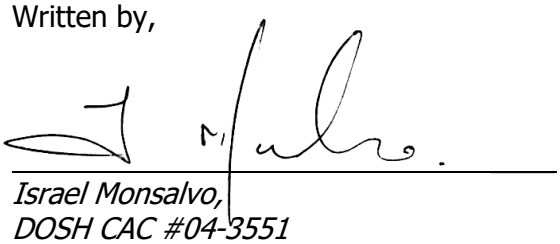
Lead-based paint will be impacted during the renovation project. All work involving potential and identified LBP/LCSC surfaces should be conducted in accordance with Title 8, California Code of Regulations, Section 1532.1, 29 CFR 1926.62 and AB 2784. See attached XRF data sheet.

During construction projects, workers must not be exposed to above the Action Level (AL) of 30 µg/m^3 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 may uncover altered or differing conditions.

Written by,



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

VI. Confidentiality and Limitations

This report has been prepared for the sole use of CSULA. 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

ASBESTOS SAMPLE RESULTS AND COC

AIH LABORATORY
FOCUSED ON QUALITY
2556 W Woodland Dr Anaheim, CA 92801

BULK ASBESTOS FIBER ANALYSIS

BY POLARIZED LIGHT MICROSCOPY

NVLAP TESTING
NVLAP LAB CODE 500079-0
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: 74456
Project Location: CSULA King Hall

Lab Batch Number: 2402297
Samples Submitted: 33
Samples Analyzed: 33
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 240229701 **Client ID:** B01

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
2.	Brown mastic	**None Detected**	Cellulose <1%	Mastic/Binder

Lab ID: 240229702 **Client ID:** B02

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
2.	Brown mastic	**None Detected**	Cellulose <1%	Mastic/Binder

Lab ID: 240229703 **Client ID:** B03

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
2.	Brown mastic	**None Detected**	Cellulose <1%	Mastic/Binder

Lab ID: 240229704 **Client ID:** B04

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Tan/dark brown brittle mastic	**None Detected**	None Detected	Mastic/Binder
3.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

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Project Number: 74456
Project Location: CSULA King Hall

Lab Batch Number: 2402297
Samples Submitted: 33
Samples Analyzed: 33
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 240229705 **Client ID:** B05

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Tan/dark brown brittle mastic	**None Detected**	None Detected	Mastic/Binder
3.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229706 **Client ID:** B06

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Tan/dark brown brittle mastic	**None Detected**	None Detected	Mastic/Binder
3.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229707 **Client ID:** B07

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Soft tan sandy material with paint	**None Detected**	None Detected	Binder/Filler, Paint

Lab ID: 240229708 **Client ID:** B08

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Soft tan sandy material	**None Detected**	None Detected	Binder/Filler, Mineral Grains

Lab ID: 240229709 **Client ID:** B09

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Soft tan sandy material	**None Detected**	None Detected	Binder/Filler, Mineral Grains

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Client Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670
Project Number: 74456
Project Location: CSULA King Hall

Lab Batch Number: 2402297
Samples Submitted: 33
Samples Analyzed: 33
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 240229710 **Client ID:** B10

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
2.	Tan mastic with debris	**None Detected**	Cellulose <1%	Mastic/Binder

Lab ID: 240229711 **Client ID:** B11

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Trace of black asphaltic mastic	**Chrysotile 2%**	None Detected	Asphalt/Binder
2.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
3.	Tan mastic with debris	**None Detected**	Cellulose <1%	Mastic/Binder

Comments: Layer 1 consumed during analysis

Lab ID: 240229712 **Client ID:** B12

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
2.	Tan mastic with debris	**None Detected**	Cellulose <1%	Mastic/Binder

Lab ID: 240229713 **Client ID:** B13

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Dark brown brittle mastic	**None Detected**	None Detected	Mastic/Binder

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Project Manager: Israel Monsalvo
Client Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670
Project Number: 74456
Project Location: CSULA King Hall

Lab Batch Number: 2402297
Samples Submitted: 33
Samples Analyzed: 33
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 240229714 **Client ID:** B14

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Dark brown brittle mastic	**None Detected**	None Detected	Mastic/Binder
3.	Soft tan sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains
4.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229715 **Client ID:** B15

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Trace of dark brown brittle mastic	**None Detected**	None Detected	Mastic/Binder

Lab ID: 240229716 **Client ID:** B16

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Soft tan sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains
2.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229717 **Client ID:** B17

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Soft tan sandy material with paint	**None Detected**	Cellulose <1%	Binder/Filler, Paint
2.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

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Project Manager: Israel Monsalvo
Client Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670
Project Number: 74456
Project Location: CSULA King Hall

Lab Batch Number: 2402297
Samples Submitted: 33
Samples Analyzed: 33
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 240229718 **Client ID:** B18

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Soft white sandy material with paint	**None Detected**	Cellulose <1%	Binder/Filler, Paint
2.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229719 **Client ID:** B19

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Tan compressed fibrous material with paint	**None Detected**	Cellulose 90%	Binder/Filler, Paint

Lab ID: 240229720 **Client ID:** B20

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Tan compressed fibrous material with paint	**None Detected**	Cellulose 90%	Binder/Filler, Paint

Lab ID: 240229721 **Client ID:** B21

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Tan compressed fibrous material with paint	**None Detected**	Cellulose 90%	Binder/Filler, Paint

Lab ID: 240229722 **Client ID:** B22

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey loose sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229723 **Client ID:** B23

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey loose sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

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Client Name: Terra Environmental
Project Manager: Israel Monsalvo
Client Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670
Project Number: 74456
Project Location: CSULA King Hall

Lab Batch Number: 2402297
Samples Submitted: 33
Samples Analyzed: 33
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 240229724 **Client ID:** B24

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey loose sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229725 **Client ID:** B25

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
2.	Trace of black asphaltic mastic	**Chrysotile 2%**	None Detected	Asphalt/Binder

Lab ID: 240229726 **Client ID:** B26

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
2.	Trace of black asphaltic mastic	**Chrysotile 2%**	None Detected	Asphalt/Binder

Lab ID: 240229727 **Client ID:** B27

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey floor tile	**Chrysotile 2%**	None Detected	Binder/Filler
2.	Trace of black asphaltic mastic	**Chrysotile 2%**	None Detected	Asphalt/Binder

Lab ID: 240229728 **Client ID:** B28

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Dark brown brittle mastic with debris	**None Detected**	Cellulose <1%	Mastic/Binder, Mineral Grains

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Client Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670
Project Number: 74456
Project Location: CSULA King Hall

Lab Batch Number: 2402297
Samples Submitted: 33
Samples Analyzed: 33
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 240229729 **Client ID:** B29

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Dark brown brittle mastic	**None Detected**	Cellulose <1%	Mastic/Binder
3.	Soft tan sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains
4.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229730 **Client ID:** B30

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Black rubbery material	**None Detected**	None Detected	Binder/Filler
2.	Dark brown brittle mastic with debris	**None Detected**	Cellulose <1%	Mastic/Binder, Mineral Grains

Lab ID: 240229731 **Client ID:** B31

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Lab ID: 240229732 **Client ID:** B32

Layer	Layer Description	Asbestos Type %	Other Fibrous Material %	Other Non Fibrous Material
1.	Dark brown brittle mastic	**None Detected**	Cellulose <1%	Mastic/Binder
2.	Soft tan sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains
3.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

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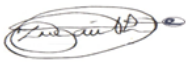
Client Name: Terra Environmental
Project Manager: Israel Monsalvo
Client Address: 12631 Imperial Hwy Ste A225 Santa Fe Springs, CA 90670
Project Number: 74456
Project Location: CSULA King Hall

Lab Batch Number: 2402297
Samples Submitted: 33
Samples Analyzed: 33
Analysis Method: EPA 600/R-93-116 & EPA 600/M4-82-020

Lab ID: 240229733 **Client ID:** B33

Layer	Layer Description	**Asbestos Type %**	Other Fibrous Material %	Other Non Fibrous Material
1.	Trace of dark brown brittle mastic	**None Detected**	Cellulose <1%	Mastic/Binder
2.	Soft tan sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains
3.	Grey sandy material	**None Detected**	Cellulose <1%	Binder/Filler, Mineral Grains

Analyzed by: Hanaa Armanious **Signature:** Hanaa **Date:** 02-09-2024

Reviewed by: Zubair Ahmed **Signature:**  **Date:** 02-09-2024

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.

2402297

CHAIN OF CUSTODY

Job Name & Location	Billing Info:
74456 CSULA KING HALL	Terra Environmental Services Inc. 12631 Imperial Hwy Suite A225 Santa Fe Springs CA 90760 Email: israel@terraeng.com

Sample Analysis:	PLM – Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy	TAT	4 HRS

ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
B01	9x9 GRAY VFT W/ MASTIC	1	4TH FLOOR RM A4027	DAMAGED	Y	160 SF
B02	"	1	"	"	"	"
B03	"	1	"	"	"	"
B04	BLACK COVEBASE W/ ADHESIVE	2	RM A4027	DAMAGED	Y	32 LF
B05	"	2	"	"	"	"
B06	"	2	"	"	"	"
B07	PLASTER SYSTEM	3	RM A4027	DAMAGED	Y	640 SF
B08	"	3	"	"	"	"
B09	"	3	"	"	"	"
B10	9x9 GRAY VFT W/ MASTIC	4	3RD FLOOR RM A3054	INTACT	N	9600 SF
B11	"	4	RM A3049	"	"	"
B12	"	4	RM A3036	"	"	"
B13	BLACK COVEBASE W/ ADHESIVE	5	RM A3054	INTACT	N	360 LF
B14	"	5	RM A3049	"	"	"
B15	"	5	RM A3036	"	"	"
B16	PLASTER SYSTEM	6	RM A3054	DAMAGED	Y	9600 SF
B17	"	6	RM A3049	INTACT	N	"
B18	"	6	RM A3036	"	"	"

Notes

Relinquished By:	Date & Time
ISRAEL MONSALVO	2-9-24 0920
Received By:	**Date & Time**
Amy Nguyen	2/9/24 9:20 am

2402297

CHAIN OF CUSTODY

Job Name & Location	Billing Info:
74456 CSULA KING HALL	Terra Environmental Services Inc. 12631 Imperial Hwy Suite A225 Santa Fe Springs CA 90760 Email: israel@terraeng.com

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

TAT: 5 HRS

ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
B19	12X12 PIN HOLE CEILING TILE	7	3RD FLOOR RM A3054	DAMAGED	Y	960 SF
B20	↓	7	RM A3044	↓	↓	↓
B21	↓	7	RM A3036	↓	↓	↓
B22	ROUGH PLASTER	8	RM A3054	DAMAGED	Y	960 SF
B23	↓	8	RM A3044	↓	↓	↓
B24	↓	8	RM A3036	↓	↓	↓
B25	9X9 GRAY VFT W/ MASTIC	9	2ND FL RM	INTACT	N	160 SF
B26	↓	9	RM	↓	↓	↓
B27	↓	9	HALLWAY	↓	↓	↓
B28	BLACK COVEBASE W/ ADHESIVE	10	RM	INTACT	N	60 LF
B29	↓	10	RM	↓	↓	↓
B30	↓	10	HALLWAY	↓	↓	↓
B31	PLASTER SYSTEM	11	RM	INTACT	N	600 SF
B32	↓	11	RM	↓	↓	↓
B33	↓	11	HALLWAY	↓	↓	↓

Notes

Relinquished By:	Date & Time
ISRAEL MORALES	2.7.24 0720
Received By:	**Date & Time**
Amy Nguyen	2/9/24 9:20a

XRF DATA SHEET
AND CALIBRATION

Terra Environmental

XRF LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS INSPECTION REPORT

XRF	Room	Side	Component	Substrate	Condition	Color	Results	Pb	Range	Units
1	Shutter Calibration							0.38	0	cps
2	NIST CALIBRATION 2574						Negative	0	0.02	mg / cm2
3	NIST CALIBRATION 2574						Positive	1.7	1	mg / cm2
4	NIST CALIBRATION 2574						Negative	0.03	0.02	mg / cm2
5	KH A4027		DOOR	WOOD	INTACT	BROWN	Negative	0.02	0.11	mg / cm2
6	KH A4027		DOOR	WOOD	INTACT	BROWN	Negative	0	0.02	mg / cm2
7	KH A4027		WALL	DRYWALL	INTACT	WHITE	Negative	0.05	0.04	mg / cm2
8	KH A4027		WALL	DRYWALL	INTACT	WHITE	Negative	0.04	0.03	mg / cm2
9	KH A4027		WALL	DRYWALL	INTACT	WHITE	Negative	0.08	0.04	mg / cm2
10	KH A4027		DOOR FRAME	WOOD	INTACT	WHITE	Positive	2.1	1.3	mg / cm2
11	KH A3054		DOOR FRAME	WOOD	INTACT	WHITE	Positive	1.5	0.8	mg / cm2
12	KH A3054		DOOR	WOOD	INTACT	BROWN	Negative	0	0.02	mg / cm2
13	KH A3054		WALL	DRYWALL	INTACT	WHITE	Negative	0.03	0.07	mg / cm2
14	KH A3049		WALL	DRYWALL	INTACT	WHITE	Negative	0.05	0.07	mg / cm2
15	KH A3049		DOOR	WOOD	INTACT	WHITE	Negative	0	0.02	mg / cm2
16	KH A3049		DOOR FRAME	WOOD	INTACT	WHITE	Positive	0.9	0.2	mg / cm2
17	KH A3036		DOOR FRAME	WOOD	INTACT	WHITE	Positive	2	1.2	mg / cm2
18	KH A3036		DOOR	WOOD	INTACT	BROWN	Negative	0	0.02	mg / cm2
19	KH A3036		WALL	DRYWALL	INTACT	WHITE	Negative	0.03	0.03	mg / cm2
20	KH A3036		WALL	DRYWALL	INTACT	WHITE	Negative	0.08	0.06	mg / cm2
21	KH A3049		WALL	DRYWALL	INTACT	WHITE	Negative	0.03	0.04	mg / cm2
22	KH A3054		WALL	DRYWALL	INTACT	WHITE	Negative	0.03	0.04	mg / cm2
23	HALLWAY		WALL	DRYWALL	INTACT	WHITE	Negative	0.01	0.03	mg / cm2
24	HALLWAY		WALL	DRYWALL	INTACT	WHITE	Negative	0	0.02	mg / cm2
25	HALLWAY		DOOR FRAME	DRYWALL	INTACT	WHITE	Positive	2.2	1.4	mg / cm2
26	KH 2052		DOOR FRAME	WOOD	INTACT	WHITE	Positive	4.4	3.4	mg / cm2
27	KH 2052		DOOR	WOOD	INTACT	BROWN	Negative	0	0.02	mg / cm2
28	KH 2052		WALL	DRYWALL	INTACT	WHITE	Negative	0.02	0.05	mg / cm2
29	2nd FLOOR HALLWAY		WALL	DRYWALL	INTACT	WHITE	Negative	0.02	0.04	mg / cm2
30	2nd FLOOR HALLWAY		DOOR FRAME	WOOD	INTACT	BROWN	Negative	0.19	0.09	mg / cm2
31	2nd FLOOR HALLWAY		DOOR FRAME	WOOD	INTACT	BROWN	Positive	1.9	1.1	mg / cm2
32	2nd FLOOR HALLWAY		DOOR FRAME	WOOD	INTACT	BROWN	Positive	1.6	0.8	mg / cm2
33	2nd FLOOR HALLWAY		DOOR FRAME	WOOD	INTACT	BROWN	Positive	3.5	1.9	mg / cm2
34	NIST CALIBRATION 2574						Negative	0.05	0.03	mg / cm2
35	NIST CALIBRATION 2574						Negative	0	0.02	mg / cm2
36	NIST CALIBRATION 2574						Positive	3.3	2.2	mg / cm2

Action Level is >0.7 mg/cm^2

Terra Environmental

XRF LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS INSPECTION REPORT										
XRF	Room	Side	Component	Substrate	Condition	Color	Results	Pb	Range	Units

Inspection Comments:

This XRF inspection was performed on February 8, 2024 with a Niton XLp300 series lead dectector, serial no. 106256.



Inspector signature

Lead Assessor LRC-00001220

CDPH Certification

February 8, 2024

Date

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 Communique dated January 2009).

2022-10-01 through 2023-09-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

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.aihlabs.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 500079-0**

Bulk Asbestos Analysis

Code	*Description*
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

Code	*Description*
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

Effective 2022-10-01 through 2023-09-30

TERRA Environmental





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

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