

LIMITED ASBESTOS AND LEAD SURVEY REPORT

Site #51: Skyland
 Terracon Project LA227176
 September 9, 2022

1. Scope of Work

The following is a report of a limited asbestos & lead paint survey conducted by Alan Alonso, a State of California Asbestos Consultant (CAC) and a California Department of Public Health Lead Sampling Technician with Terracon Consultants, Inc. (Terracon). The survey was performed on August 1, 2022 of the communications shelter located at Site #51: Skyland. The site is located within San Bernardino County and Terracon was not provided the address of the site.

Terracon's sampling was limited to the suspect materials located on the interior walls and floors and the exterior walls (for standalone structures) where the client will be installing security equipment. The equipment installation could potentially disturb suspect asbestos containing materials (ACMs) and lead-containing paints. The building roof was not included in this survey.

2. Site Description and Observations

The subject site is a standalone concrete masonry communications shelter. The site name is Skyland. The interior and exterior walls are concrete masonry unit (CMU) blocks. The floor is bare concrete. The roof of the structure was not assessed.

3. Asbestos Sample Results

During the asbestos survey, a total of six (6) samples were collected from two (2) identified suspect building materials. Samples of suspect ACM were delivered under chain-of-custody protocol to SGS Forensic Laboratories (SGS) in Carson, California. SGS is a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) under the National Institute of Standards and Technology (NIST) for analysis by polarized light microscopy (PLM).

Based on the laboratory results, asbestos was not detected in the samples collected. A summary of the sampled materials is provided in Table I below:

TABLE I – SAMPLED MATERIALS SUMMARY

HA	Material Description	Sampling Locations	Result
1	CMU Blocks and Mortar	Communications Shelter and Omni Trans Room	ND
2	Concrete Slab	Communications Shelter	ND

ND – None Detected

Any additional materials found during construction activities and not identified in this survey report should be assumed to be ACM. The laboratory results and chains-of-custody for the samples collected can be found in Appendix A.

4. Lead Sample Results

Three (3) paint samples were collected for lead analysis. The paint samples were delivered under chain-of-custody protocol to SGS in Carson, California. The paint chip samples were analyzed for lead content

using flame atomic absorption spectroscopy (Flame AA) in accordance with EPA Method SW846-3050B-7000B. When "<" appears in lead sample report, it should be interpreted as meaning below analytical detection limit.

Lead was detected in all of the paint chip samples collected. The detected levels of lead for two (2) of the samples were above the threshold for lead-based paint (5,000 ppm). The sample results are listed below in Table II.

TABLE II – LEAD IN PAINT

Sample Number	Sample Location	Sample Description	Results (ppm)
Pb - 01	Communications Shelter	Brown Paint on Metal Interior Door	42,000
Pb-02	Omni Trans Room	Brown Paint on Metal Exterior Door	15,000
Pb-03	Communications Shelter	Gray Paint on Exterior Concrete	130

ppm – parts per million

5. Limitations

Our services consist of professional opinions, conclusions and recommendations that are made in accordance with generally accepted consulting standards, principles, and practices. Reasonable attempts have been made to ensure that the report is complete and accurate with respect to Terracon's authorized scope of work. Terracon assumes no liability for damages, which might result from errors contained in the report or conditions, which the report fails to disclose. The quantity of samples, sample locations, and analyses performed were selected to provide analytical data to document and evaluate current site conditions within the survey scope. The reporting of bulk analytical results is presented as estimates resulting from analysis by EPA-approved methods.

The information provided in this report is not intended to be used as a biddable document for abatement purposes.



Syed Danish Mansoor, CAC #18-6175
Senior Industrial Hygienist

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APPENDIX A
ASBESTOS & LEAD ANALYTICAL RESULTS

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-1

Terracon-Carson
Danish Mansoor
145 W. Walnut St.

Carson, CA 90248

Client ID: L1987
Report Number: B336723
Date Received: 08/05/22
Date Analyzed: 08/12/22
Date Printed: 08/12/22
First Reported: 08/12/22

Job ID/Site: LA227176; Site #51,Skyland

SGSFL Job ID: L1987
Total Samples Submitted: 6
Total Samples Analyzed: 6

Date(s) Collected: 08/01/2022

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
MA5-1	51576343						
Layer: Light Grey Mortar with Debris			ND				
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Layer: Red-Brown Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace)							
MA5-2	51576344						
Layer: Red-Brown Cementitious Material			ND				
Layer: Grey Cementitious Material			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace)							
MA5-3	51576345						
Layer: Red-Brown Cementitious Material			ND				
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace)							
MA5-4	51576346						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace)							
MA5-5	51576347						
Layer: Grey Cementitious Material			ND				
Layer: Brown Fibrous Material			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace)							
MA5-6	51576348						
Layer: Grey Cementitious Material with Debris			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace)							

Client Name: Terracon-Carson

Report Number: B336723

Date Printed: 08/12/22

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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Tiffani Ludd, Laboratory Supervisor, Carson Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



ASBESTOS CHAIN OF CUSTODY

PLM EPA 600/R-93/116

Southern California Metro
Los Angeles County – Orange County – San Diego County – Inland Empire

DATE: August 1, 2022

EMAIL RESULTS TO: Danish.Mansoor@terracon.com, ~~Mark.Korte@terracon.com~~, ~~Chris.Blake@terracon.com~~
 David.Block@terracon.com, Denise.Wallen@terracon.com
 Other: _____

Inspector: Alan J. Abeso

Client/Project Name: Site #51

Project Number: LA227176

Address: SKyland

TURN-AROUND TIME: 3 Hours 6 Hour 24 Hours 48 Hours 72 Hours 1 Week

Laboratory: SGS

H.A.	SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	SQUARE FEET	CONDITION (G / D / SD)
01	MAS - 1	Concrete Masonry Unit (CMU) Blocks & Mortar	Communications Shelter	~700	G
	2		Omni Trans Room		
	3		Exterior		
02	4	Concrete slab		~250	
	5		Communications Shelter	~250	
	6				

NOTES:

Relinquished By: Alan J. Abeso Signature: [Signature] Date / Time: 08/05/22 2:00PM

Received By: Alicia M. Signature: [Signature] Date / Time: 8-5-22 1:35pm P/D

Metals Analysis of Paints

(AIHA-LAP, LLC Accreditation, Lab ID #101629)

Terracon-Carson
Danish Mansoor
145 W. Walnut St.

Carson, CA 90248

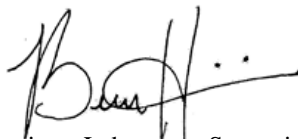
Client ID: L1987
Report Number: M244211
Date Received: 08/05/22
Date Analyzed: 08/09/22
Date Printed: 08/09/22
First Reported: 08/09/22

Job ID / Site: LA227176; Site #51, Skyland
Date(s) Collected: 08/01/22

SGSFL Job ID: L1987
Total Samples Submitted: 3
Total Samples Analyzed: 3

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
PB1	LM226391	Pb	4.2	wt%	0.3	EPA 3050B/7000B
Comment:	Additional Result: 42000 ppm					
PB2	LM226392	Pb	1.5	wt%	0.2	EPA 3050B/7000B
Comment:	Additional Result: 15000 ppm					
PB3	LM226393	Pb	0.013	wt%	0.006	EPA 3050B/7000B
Comment:	Additional Result: 130 ppm					

* 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.



Beatriz Hinojosa, Laboratory Supervisor, Carson Laboratory

Analytical results and reports are generated by SGS Forensic Laboratories at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGS Forensic Laboratories to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGS Forensic Laboratories. The client is solely responsible for the use and interpretation of test results and reports requested from SGS Forensic Laboratories. SGS Forensic Laboratories is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in SGS Forensic Laboratories' Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

Note* Sampling data used in this report was provided by the client as noted on the associated chain of custody form.



Southern California Metro
Los Angeles County – Orange County – San Diego County – Inland Empire

Lead
Chain of Custody

Project Name: Site # 51 Address: Skyland

Project #: LA227176 Sampled By: Alan J Alonso Sampling Date: August 01, 2022

Laboratory: EMSL/LA Testing EM Lab SGS Email Report to: Chris.Blake@Terracon.com, Mark.Korte@Terracon.com & Danish.Mansoor@Terracon.com
 Other: _____ David.Block@Terracon.com & Denise.Wallen@Terracon.com

Turnaround Time: 3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 1 Week Other: _____

Analysis: Paint Chips (% by weight and ppm) SW846-7000B/7420 FAA Air Sample NIOSH 7082 FAA Air Sample NIOSH 7303 ICP

Wipes SW846-1311/7000B/7420 FAA Wipes SW846-6010B/C ICP TCLP TTLC STLC Paint Chips SW846-6010B/C ICP

Sample I.D. #	Color	Substrate	Sample Location	Volume/Area	Condition (Intact/Fair/Poor)
Pb 1	Brown	Metal	Communications shelter (Interior Panel)		I
Pb 2	↓	↓	Office Trans Room (Exterior Door)		F
Pb 3	Gray	Concrete	Exterior ↓		↓

Relinquished: Name: Alan J. Alonso Signature: [Signature] Date: 08/05/22 2:00PM
Received: Name: Alicia M. Signature: [Signature] Date: 8-5-22 1:35 pm DSD

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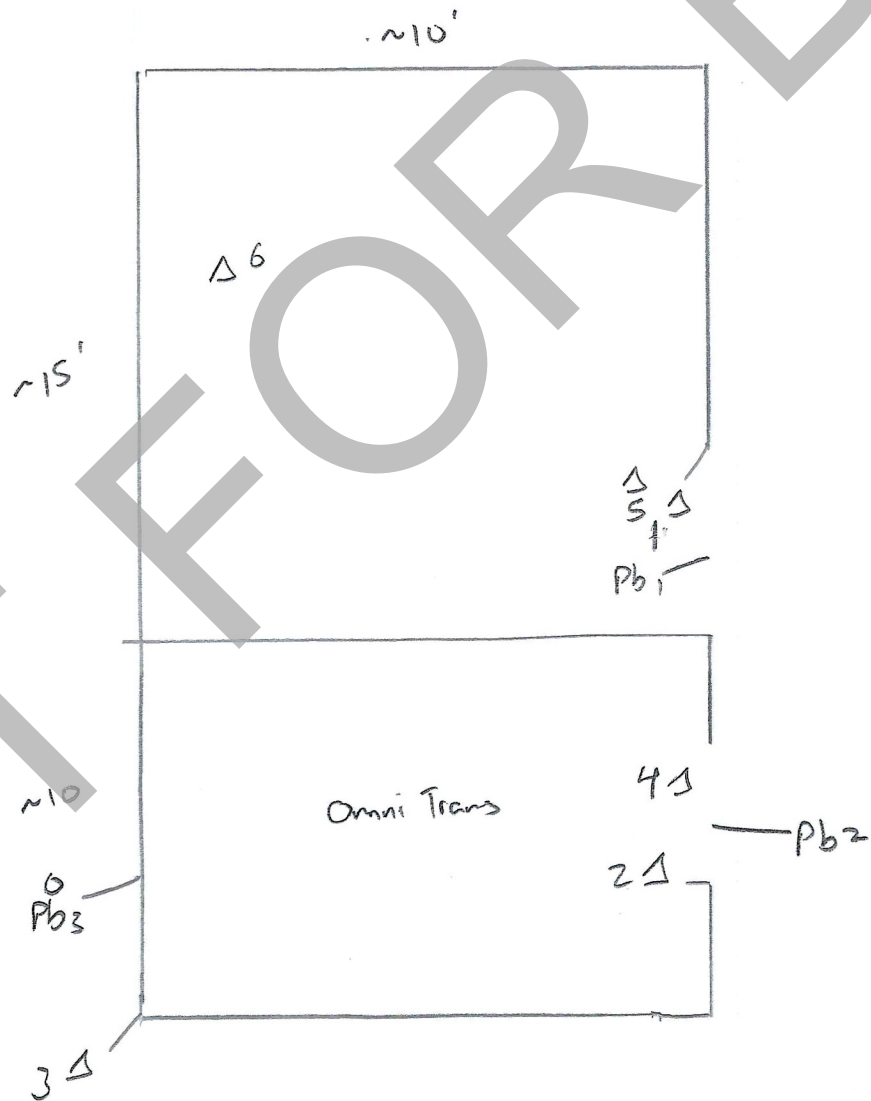
APPENDIX B

SAMPLE LOCATION DIAGRAM

PROJECT: SKYland Page 1 of 1

JOB NO. LA227176 Date 08/08/22 Comp. By [Signature] CHECKED BY: _____

Communications Shelter



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APPENDIX C
CERTIFICATION

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

Alan J. Alonso

Name



Certification No. **22-7064**

Expires on **07/15/23**

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.



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Alan Alonso

CERTIFICATE TYPE:

Lead Sampling Technician

NUMBER:

LRC-00004034

EXPIRATION DATE:

12/6/2022

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