

May 23, 2024

Dinah Baharin
Facilities Project Manager
Contra Costa Community College District
500 Court Street
Martinez, CA 94553

Re: D-1150 Roof Replacement Life Health Science (LHS)
Pre-Renovation Asbestos Roof Survey
Diablo Valley College – Life and Health Science
321 Golf Club Road, Pleasant Hill, CA
Terracon Project No. R1247271

Dear Ms. Baharin,

Terracon Consultants, Inc. (Terracon) conducted a pre-renovation asbestos survey of the roof of the Life and Health Science building at Diablo Valley College (DVC) located at 321 Golf Club Road in Pleasant Hill, California. The asbestos survey was performed on April 8, 2024 by Matt Chin and Ken Pilgrim in accordance with the requirements of the National Emissions Standard for Hazardous Air Pollutants (NESHAP). Matt Chin and Ken Pilgrim are certified by the California Division of Occupational Safety and Health (Cal/OSHA) as Certified Asbestos Consultants (CAC#s 08-4332 and 03-3503, respectively). The survey was supervised by Steffen Steiner, a Cal/OSHA Certified Asbestos Consultant (CAC# 92-0850).

Twenty-five (25) bulk samples were collected from seven (7) homogeneous areas of suspect ACM, many of which consisted of multiple layers. A homogeneous area of suspect ACM is an area of materials or areas of materials that is uniform in color and texture and that appears to have been installed at the same time. Typical homogeneous areas might include a resilient flooring system or a wallboard system. Bulk samples were submitted under chain of custody to SGS North America of Hayward, California for analysis by polarized light microscopy (PLM) with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart E). The percentage of asbestos, where applicable, was determined by microscopical visual estimation.

Results and Conclusions

The following materials were sampled and laboratory analysis reported no asbestos detected in any of the layers.

- Composition roof field
- Composition roofing curbs – roof perimeter
- Composition roofing curbs – HVAC (heating, ventilation, and air conditioning) units
- Sealant flashing/coping –grey
- Roof mastics – black/grey

Asbestos Survey

DVC – Life and Health Science | Pleasant Hill, California

May 23, 2024 | Terracon Project No. R1247271



- HVAC sealant – white
- HVAC sealant - grey

A copy of the laboratory analytical report and the associated chain of custody are attached to this report. Sample locations, material descriptions, and material locations, can be found in the chain of custody. A copy of the sample location field diagram is also attached to this report.

Any materials that are not characterized in this report or materials that are subsequently revealed during demolition must be assumed to contain asbestos until sampling and analysis prove otherwise.

Limitations

Asbestos sampling was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during the sampling event. This letter report has been prepared on behalf of and exclusively for use and reliance by the Client. This report is not a bidding document. Contractors or consultants reviewing this sampling report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories, or other third parties supplying information, which may have been used in the preparation of this report. No warranty, express or implied is made.

Terracon appreciates the opportunity to provide this service to the Contra Costa Community College District. If you have any questions regarding this asbestos survey report, please contact the undersigned at 510-899-7005.

Sincerely,

Terracon Consultants, Inc.

Prepared By:

A handwritten signature in black ink, appearing to read 'Steffen Steiner'.

Steffen Steiner, CAC
Office Manager

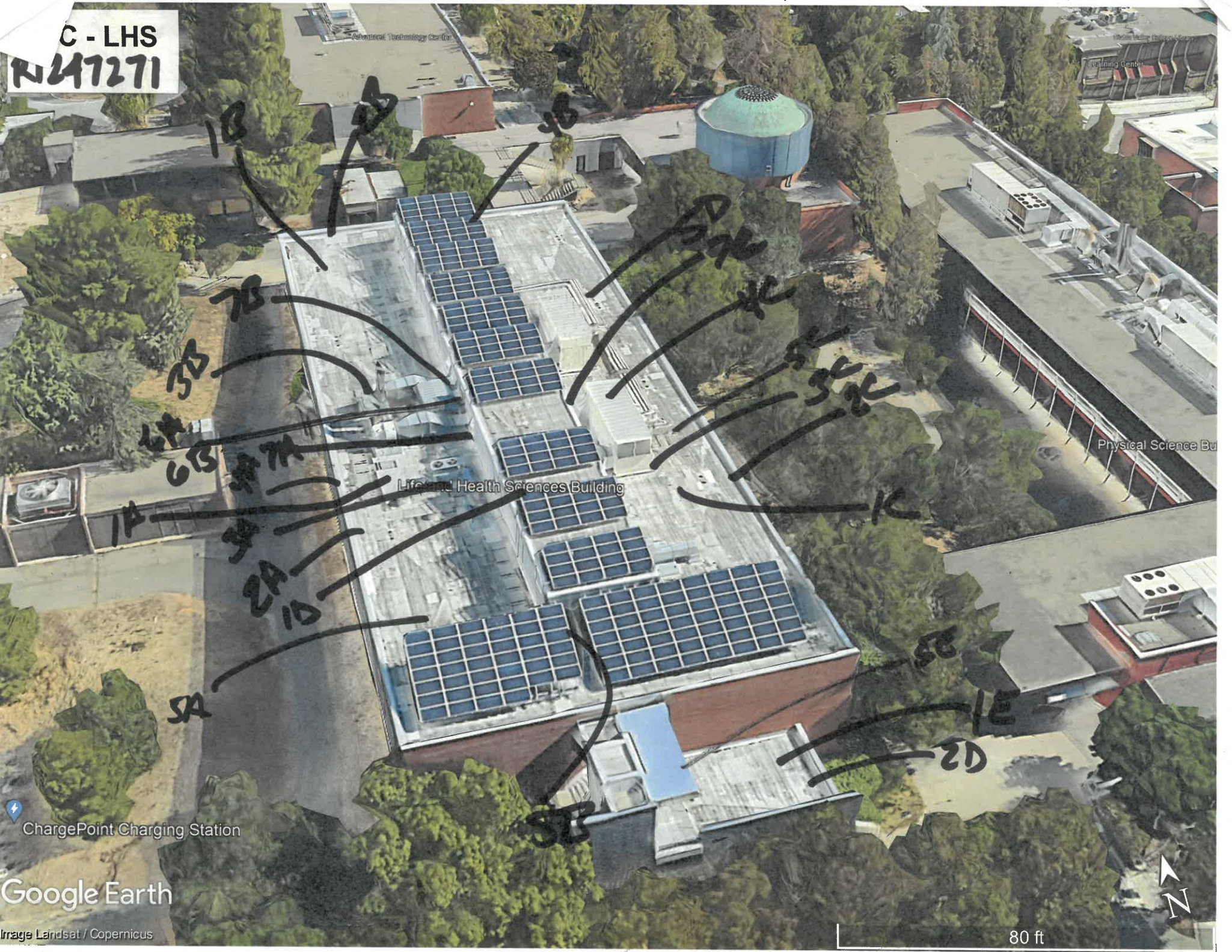
Reviewed By:

A handwritten signature in black ink, appearing to read 'Denise Wallen'.

Denise Wallen, CSST
Project Manager

Attachments

C - LHS
R47271



ChargePoint Charging Station

Google Earth

Image Landsat / Copernicus

80 ft



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: 101459-0

Terracon - Concord
 Steff Steiner
 1220 Concord Ave
 suite 450
 Concord, CA 94520

Client ID: L1969
Report Number: B358904
Date Received: 04/08/24
Date Analyzed: 04/09/24
Date Printed: 04/09/24
First Reported: 04/09/24

Job ID/Site: R1247271 - Life and Health Sciences Building, DVC - Roof

SGSFL Job ID: L1969
Total Samples Submitted: 25
Total Samples Analyzed: 25

Date(s) Collected: 04/08/2024

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
1A	12740563						
Layer: Stones							ND
Layer: Black Tar							ND
Layer: Black Felt							ND
Layer: Black Tar							ND
Layer: Black Felt							ND
Layer: Black Felt							ND
Layer: Tan Fibrous Material							ND
Layer: Black Tar							ND
Layer: Black Felt							ND
Layer: Yellow Foam							ND
Layer: Black Roof Shingle							ND

Total Composite Values of Fibrous Components: **Asbestos (ND)**
 Cellulose (40 %) Fibrous Glass (35 %)
 Comment: Bulk complex sample.

1B 12740564

Layer: Stones							ND
Layer: Black Tar							ND
Layer: Black Felt							ND
Layer: Black Tar							ND
Layer: Black Felt							ND
Layer: Black Felt							ND
Layer: Tan Fibrous Material							ND
Layer: Black Tar							ND
Layer: Black Felt							ND
Layer: Yellow Foam							ND
Layer: Black Roof Shingle							ND

Total Composite Values of Fibrous Components: **Asbestos (ND)**
 Cellulose (40 %) Fibrous Glass (35 %)
 Comment: Bulk complex sample.

Client Name: Terracon - Concord

Report Number: B358904

Date Printed: 04/09/24

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
1C	12740565						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Felt			ND				
Layer: Tan Fibrous Material			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Yellow Foam			ND				
Layer: Black Roof Shingle			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %)	Fibrous Glass (35 %)						
Comment: Bulk complex sample.							
1D	12740566						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Felt			ND				
Layer: Tan Fibrous Material			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Yellow Foam			ND				
Layer: Black Roof Shingle			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %)	Fibrous Glass (35 %)						
Comment: Bulk complex sample.							
1E	12740567						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Felt			ND				
Layer: Tan Fibrous Material			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Yellow Foam			ND				
Layer: Black Roof Shingle			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %)	Fibrous Glass (35 %)						
Comment: Bulk complex sample.							

Client Name: Terracon - Concord

Report Number: B358904

Date Printed: 04/09/24

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
2A	12740568						
Layer: Stones			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 %)						
2B	12740569						
Layer: Stones			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 %)						
2C	12740570						
Layer: Stones			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 %)						
3A	12740571						
Layer: Stones			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 %)						
3B	12740572						
Layer: Stones			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 %)						

Client Name: Terracon - Concord

Report Number: B358904

Date Printed: 04/09/24

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
3C	12740573						
Layer: Stones			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.							
4A	12740574						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4B	12740575						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4C	12740576						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
5A	12740577						
Layer: Black Mastic			ND				
Layer: Stones			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)							
5B	12740578						
Layer: Black Mastic			ND				
Layer: Stones			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)							
5C	12740579						
Layer: Black Mastic			ND				
Layer: Stones			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)							
5D	12740580						
Layer: Black Mastic			ND				
Layer: Stones			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
5E	12740581						
Layer: Black Mastic			ND				
Layer: Stones			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)							
6A	12740582						
Layer: White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
6B	12740583						
Layer: White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
7A	12740584						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
7B	12740585						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
7C	12740586						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
2D	12740587						
Layer: Stones			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.							

Client Name: Terracon - Concord

Report Number: B358904

Date Printed: 04/09/24

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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Maria Casper, Laboratory Supervisor, Hayward 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. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. 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.



1220 Concord Ave, Concord, CA 94520
Tel: (510) 547-7771

ACM BULK SAMPLE DATA SHEET

- PLM Analysis (Analyze all samples)
- Stop Analysis at First Positive
- Point Count Analysis (400-point)

<input checked="" type="checkbox"/> PM - S. Steiner spsteiner@terracon.com	<input type="checkbox"/> PM - K. Schroeter kmschroeter@terracon.com	<input type="checkbox"/> PM - K. Pilgrim kmpilgrim@terracon.com
<input type="checkbox"/> PM - David Block David.Block@terracon.com	<input type="checkbox"/> PM - T. Kattchee takattchee@terracon.com	<input type="checkbox"/> M. Chin mpchin@terracon.com
<input type="checkbox"/> H. Santos Heidi.Santos@terracon.com	<input type="checkbox"/> D. Wallen Denise.Wallen@terracon.com	

Page 1 of 2

<input type="checkbox"/> EmLab	<input type="checkbox"/> RUSH
<input type="checkbox"/> MAL	<input checked="" type="checkbox"/> 24 Hrs.
<input type="checkbox"/> SGS Forensic	<input type="checkbox"/> 48 Hrs.
	<input type="checkbox"/> 3 Days

Project Name/Address/Building No.: Life and Health Sciences BLDG, PVC Roof

Project #: R1247271 Sampled By: me/EP Sampling Date: 4/8/24

HM#	Material Description	Sample ID	Sample Location & Material Location	Quantity:
1	Composition Roofing Main field			
		1A	Main field - SW	
		1B	- NW	
		1C	- SE	
		1D	REST HOUSE - South	
		1E	LOWER ROOF	
2	Composition Roofing - Perimeter Curbs			
		2A	WEST PERIMETER	
		2B	NORTH PERIMETER	
		2C	EAST PERIMETER	
3	Composition Roofing - HVAC Curbs			
		3A	WEST Condenser table unit	
		3B	WEST PAATH FAN UNIT	
		3C	EAST FAN UNIT	
4	GREY AS SEALANT FLASHING/COPING			
		4A	WEST PERIMETER COPING	
		4B	NW RESTHOUSE CORNER FLASHING	
		4C	EAST FAN UNIT FLASHING	

D/D
APR 08 2024
JC 3pm

Relinquished: [Signature] Signature: [Signature] Date: 4/8/24 Received: Joseph [Signature] Signature: [Signature] Date: 4/8/24

HM#	Material Description	Quantity:
5	Roof Membrane Black/Gray	
Sample ID	Sample Location & Material Location	Quantity:
SA	WEST South - Penetration	
SB	Roof Hatch Curb	
SC	EAST WEST Penetration	
SD	NE Piping Curb	
SE	Loose Roof	
6	White HVAC SEALANT	
Sample ID	Sample Location & Material Location	Quantity:
6A	WEST Center Ducting e. Flashing	
6B	↓	
7	Grey HVAC SEALANT	
Sample ID	Sample Location & Material Location	Quantity:
7A	WEST South HVAC - e. Flashing	
7B	WEST North HVAC e. Flashing	
7C	EAST HVAC e. Flashing	
HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	Quantity:
2D	Per Steff - add 2D 4/8/24 4:44 pm	
HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	Quantity:
<div style="text-align: right; border: 1px dashed black; padding: 5px; display: inline-block;"> D/O APR 08 2024 TC 3 pm </div>		

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

Matthew P Chin
Name

Certification No. **08-4332**

Expires on **02/21/25**

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
Division of Occupational Safety and Health
Certified Asbestos Consultant

Kenneth McRae Pilgrim

Name



Certification No. **03-3503**

Expires on **12/17/24**

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
Division of Occupational Safety and Health
Certified Asbestos Consultant

Steffen Paul Steiner

Name

Certification No. 92-0850

Expires on 01/08/25

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.

