



Limited Asbestos Sampling Report

Property:

Solana Santa Fe
Buildings A & C Roof
6570 El Apajo
Rancho Santa Fe, CA 92091

Owner:

Solana Beach School District
309 N Rios Avenue
Solana Beach, CA 92075
858.794.7130

Conducted on:

February 27, 2020

Prepared by:

Western Environmental Services, LLC
4614 Mataro Drive
San Diego, California 92115
Phone: (619) 287-3986

Prepared for:

Solana Beach School District
309 N. Rios Avenue
Solana Beach, CA 92075
Attn: Brad Mason

WES PROJECT NO. A200225

4614 Mataro Drive San Diego, CA 92115 619.287.3986 FAX 619.287.4616

Western Environmental Services, LLC (WES) collected bulk samples of suspect asbestos containing material at 6570 El Apajo in Rancho Santa Fe, California. The samples were collected on February 27, 2020 and analyzed for asbestos content by EMSL Analytical, Inc., a NVLAP accredited laboratory in San Diego, CA. The sampling was conducted by Anthony Terrell, a California State DOSH Certified Site Surveillance Technician.

As directed, the sampling was limited to the materials that are scheduled to be disturbed, potentially disturbed and/or removed during renovation activities. Materials in other locations of the building were not sampled. Samples of suspect asbestos containing rolled roofing penetration mastic, built-up roof, roof shingles (clay) and roofing felt from buildings A & C were submitted for asbestos analysis in accordance with procedures described in Appendix A, "Interim Method for the Determination of Asbestiform Minerals in Bulk Insulation Samples", published in 40 CFR Ch. I (7-1-91 edition) Pt. 763, Subpart F App. A, pages 293 – 299. This procedure involves examination of the samples with a petrographic microscope utilizing polarized light, a procedure commonly known as Polarized Light Microscopy (PLM).

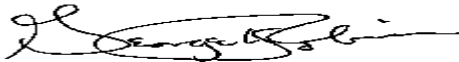
Sample results are attached and indicate that <1% Chrysotile asbestos was identified in the penetration mastic.

Appropriate federal, state, and local rules and regulations must be followed when disturbing asbestos containing material. WES is not responsible for the conclusions, opinions, or recommendations made by others based on this information. If you have any questions regarding this report or need additional information, please do not hesitate to contact me at (619) 287-3986.

Respectfully submitted,



Anthony Terrell
DOSH – Certified Site Surveillance Technician #17-5952 Exp. 8/16/20
CDPH – Certified Lead Inspector/Assessor #24203 Exp. 8/9/20
Council-Certified Microbial Consultant (CMC)



George H. Robinson, BS, MS, CIAQC, CIEC
Senior Partner / Principal Industrial Hygienist
Council-certified Indoor Air Quality Consultant
Council-certified Indoor Environmental Consultant
(*American Council for Accredited Certification*)
DOSH – Certified Asbestos Consultant #17-6044 Exp. 10/18/20
CDPH-Certified Lead Inspector Assesor #24202 Exp. 4/21/20

Asbestos Bulk Sampling Analysis			
Sample #	Location	Material	Asbestos Results
1	Building A – North End	Rolled Roofing	None Detected
2	Building A – Middle	Rolled Roofing	None Detected
3	Building A – South End	Rolled Roofing	None Detected
4	Building A (2 nd Roof) – North End	Rolled Roofing	None Detected
5	Building A (2 nd Roof) – South End	Rolled Roofing	None Detected
6	Building A – North End	Penetration Mastic	None Detected
7	Building A – Middle	Penetration Mastic	<1% Chrysotile
8	Building A – South End	Penetration Mastic	None Detected
9	Building A (2 nd Roof) – North End	Penetration Mastic	None Detected
10	Building A (2 nd Roof) – South End	Penetration Mastic	None Detected
11	Building A (overhang) – West End	Built-up Roof	None Detected
12	Building A (overhang) – North End	Built-up Roof	None Detected
13	Building A (overhang) – East End	Built-up Roof	None Detected
14	Building A Roof – West End	Roof Felt Paper	None Detected
15	Building A Roof – Middle	Roof Felt Paper	None Detected
16	Building A Roof – East End	Roof Felt Paper	None Detected
17	Building A	Clay Shingle	None Detected
18	Building A	Clay Shingle	None Detected
19	Building C	Clay Shingle	None Detected

Asbestos samples results are reported in % using Polarized Light Microscopy (PLM). The sample location represents were a particular sample was collected. The sampled material may be present in other areas of the structure.

Laboratory Report

(Two Pages)



EMSL Analytical, Inc.

8145 Ronson Road, Suite B San Diego, CA 92111

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<http://www.EMSL.com> / sandiegolab@emsl.com

EMSL Order: 432002002

Customer ID: GROB72

Customer PO:

Project ID:

Attention: George Robinson
Western Environmental Services, LLC
4614 Mataro Drive
San Diego, CA 92115

Phone: (619) 287-3986

Fax:

Received Date: 02/27/2020 4:19 PM

Analysis Date: 02/28/2020

Collected Date: 02/27/2020

Project: A200255/Solana Santa Fe

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 432002002-0001	Bldg A Roof North End/ Roof Finishing Felt/Gray	White/Black Non-Fibrous Heterogeneous	10% Glass HA: 001	90% Non-fibrous (Other)	None Detected
2 432002002-0002	Bldg A Roof Middle/ Roof Finishing Felt/Gray	White/Black Non-Fibrous Homogeneous	5% Glass HA: 001	95% Non-fibrous (Other)	None Detected
3 432002002-0003	Bldg A Roof South End/ Roof Finishing Felt/Gray	White/Black Non-Fibrous Homogeneous	10% Glass HA: 001	90% Non-fibrous (Other)	None Detected
4 432002002-0004	Bldg A 2nd Roof North End/ Roof Finishing Felt/Gray	White/Black Non-Fibrous Homogeneous	10% Glass HA: 001	90% Non-fibrous (Other)	None Detected
5 432002002-0005	Bldg A 2nd Roof South End/ Roof Finishing Felt/Gray	White/Black Non-Fibrous Homogeneous	10% Glass HA: 001	90% Non-fibrous (Other)	None Detected
10 432002002-0006	Bldg A 2nd Roof South End	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other) HA: 002	None Detected
6 432002002-0007	Bldg A Roof North End/ Mastic Adhesive/[]	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other) HA: 002	None Detected
7 432002002-0008	Bldg A Roof Middle/ Mastic Adhesive/[]	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other) HA: 002	<1% Chrysotile
8 432002002-0009	Bldg A Roof South End/ Mastic Adhesive/[]	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other) HA: 002	None Detected
9 432002002-0010	Bldg A 2nd Roof North End/ Mastic Adhesive/[]	White/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other) HA: 002	None Detected
11 432002002-0011	Bldg A Overhang West End/ Asphalt Saturated Felt/[]	Black Non-Fibrous Heterogeneous	5% Glass HA: 003	95% Non-fibrous (Other)	None Detected
12 432002002-0012	Bldg A Overhang North End/ Asphalt Saturated Felt/[]	Black Non-Fibrous Heterogeneous	5% Glass HA: 003	95% Non-fibrous (Other)	None Detected

Initial report from: 02/28/2020 15:45:55



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EMSL Order: 432002002
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
13 432002002-0013	Bldg A Overhang East End/ Asphalt Saturated Felt/[]	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 003		
14 432002002-0014	Bldg A Roof West End/ Roof Base Felt/[]	Gray/Black Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
			HA: 004		
15 432002002-0015	Bldg A Roof Middle/ Roof Base Felt/[]	Gray/Black Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
			HA: 004		
16 432002002-0016	Bldg A Roof East End/ Roof Base Felt/[]	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 004		
17 432002002-0017	Bldg A Roof North End/ Roofing Shingles/[]	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 005		
18 432002002-0018	Bldg C Roof North End/ Roofing Shingles/[]	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 005		
19 432002002-0019	Bldg A Roof/Mortor/[] - \	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 006		

Analyst(s)

Liduvina Delgadillo (19)

Mariah Curran, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. San Diego, CA NVLAP Lab Code 200855-0, CA ELAP 2713, HI L-09-03

Initial report from: 02/28/2020 15:45:55