

ADDENDUM NUMBER ONE

BID NO. 20250312

AUSD CREEKSIDE CAMPUS WIDE ROOF REPLACEMENT PROJECT

ALPINE UNION SCHOOL DISTRICT
COUNTY OF SAN DIEGO, CALIFORNIA

April 1, 2024

Architect's Project Number: OECAC05.00

General: All project documents including contract documents, drawings and specifications shall remain unchanged, except for those elements added, revised, deleted, or clarified by this Addendum. In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern. Acknowledge receipt of Addenda Number One in the appropriate spot on the Bid Form.

ITEM NO. 1 NOTICE TO CONTRACTORS CALLING FOR BIDS

1. The bid deadline remains 1:00 o'clock p.m. on the 16th day of April 2024. The location for receipt of Bids remains San Diego County Office of Education, Maintenance & Operations, Building 200, Room 212, 6401 Linda Vista Road, San Diego CA 92111.

ITEM NO. 2 Questions from Bidders

1. *Is this complete roof removal on buildings?* - **Complete roofing removal is required down to plywood substate.**
2. *Complete removal on portables?* - **Provide Complete removal of existing roofing materials down to plywood substrate.**
3. *Any asbestos on the roofs?* - **Asbestos Amelioration has been added to the scope of work via this addendum item 3 below.**
4. *Does the existing mechanical site screens get removed?* - **Contractor shall demolish existing mechanical screen walls down to plywood sheathing to allow for proper roofing installation.**
5. *Do new site screens go back?* - **Mechanical Screen walls will not be replaced.**
6. *Is Johns Manville acceptable?* - **Johns Manville is listed as an acceptable manufacturer. Acceptability of products depends on the actual submittal of products that are equivalent or better than what is specified.**
7. *Is vapor barrier required?* - **Yes, provide as specified.**
8. *What is thickness on the coverboard?* - **Dens Deck coverboard shall be min. 1/4" unless otherwise required by roofing manufacturer for specified warranty coverage.**

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AUSD Creekside Campus Wide Roof Replacement Project

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9. *Is 80 Mil PVC required on the walls and baseflashings as well, or can it be 60 Mil PVC?*
- **Flashings may be 60 mil unless otherwise required by roofing manufacturer for specified warranty coverage.**
10. *On the portables we noticed 2" ISO insulation was being delivered. Is this required on the remaining portables?* **There is no iso insulation required on this project.**
11. *Does 2" ISO insulation get installed on buildings?* - **There is no iso insulation required on this project.**
12. *New coping metal on buildings?* - **Relocatable buildings do not have copings. Demolish existing parapet caps/copings and provide new sheet metal parapet caps per Spec Section 07 6200.**
13. *Galvanized or Kynar?* - **Copings/Parapet Caps shall be sheet metal as specified in Specification Section 07 6200**
14. *Is there a Walk Pad layout per building?* - **No. Provide walk pads at 4 sides of every mechanical unit, condenser and hose bibb. This does not include exhaust fans.**

ITEM NO. 3 Asbestos Amelioration

The School District has conducted a test and determined that the existing roofing material contains asbestos. A full report and an asbestos removal specification is attached at the end of this Addendum. The report/spec is by **Western Environmental & Safety Technologies LLC**, titled **Limited Asbestos Sampling Report**, and dated 2/14/24. This report/spec is hereby made part of the Bid and Contract Documents.

The scope-of-work for the Contractor is amended as follows:

1. Contractor is to subcontract to a licensed asbestos removal company for amelioration of the roofing material in full accordance with the recommendations of the report and the requirements of the removal specification.
2. Coordination of demolition shall be the responsibility of the Contractor, with full concurrence of the asbestos removal company.
3. The asbestos removal company shall issue a certification and guarantee at conclusion of the project in accordance with the report/spec and State law, certifying their scope of work is asbestos free.

END OF ADDENDUM NUMBER ONE

Attachments as follows: Limited Asbestos Sampling Report..... 11 pages @ 8.5x11



Fred Gualda AIA, C20789
Principal
MGP ARCHITECTURE

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Limited Asbestos Sampling Report

Executive Summary

Sampling Date: 2/14/2024

Survey Description: Limited Asbestos Roof Sampling

Sampling Location: Various Buildings (Classroom wings, Admin Building, MPR Building)
Creekside Early Learning Center, 8818 Harbison Canyon Road, Alpine, California 91901

Services Complete: Certified Staff to Conduct a limited asbestos inspection, laboratory Analysis, reporting

Laboratory Analysis: EMSL Analytical, San Diego, Ca.
NVLAP and California Accredited Laboratory to provide: “Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM)

On-site Sampling: David Christy, State of California Certified Asbestos Consultant (92-0703) exp. 4/1/2024

General Warrantee: WEST warrants the findings / conclusions contained herein have been promulgated in accordance with generally accepted asbestos inspection and evaluation methods for the referenced site.

Access Note: WEST was given access for areas outlined for sampling within the scope of inspection.

Asbestos Inspection – General Information

Any suspect building materials encountered by WEST during the asbestos inspection, found within the specific areas called out for inspection / sampling, were collected, and analyzed for the presence of asbestos. The samples of the various building materials that were collected were analyzed using polarized light microscopy (PLM). A breakdown of laboratory analysis for each asbestos sample collected is included in the attached report. If any material containing asbestos will be disturbed, appropriate local, state, and federal regulations and guidelines must be followed.

WEST collected samples of suspect building materials that were accessible at the time of the inspection as found and noted by the on-site inspector. WEST utilized EMSL Analytical located in San Diego, California, a NVLAP and California DHS Accredited Laboratory to provide: “Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM). WEST warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos hazard evaluation methods for the site referenced in this report.

Asbestos Building Inspection Findings

Based on the above collected information and the sample analysis attached to this report, **asbestos was found** as part of the asbestos inspections.

Asbestos Material Location: All buildings sampled.

(All roofing mastic types and locations from this site are asbestos containing)

3% - 10% Chrysotile

There are assumptions made within this sampling report grouping similar building materials with similar age and appearance together for means of building material identification and grouping for sampling. This should also be followed while conducting asbestos removal of these materials. If any building material is discovered to be suspect of containing asbestos, and it was not accessible or identified in this building inspection report, additional samples should be collected and analyzed and the building inspection report and data should subsequently be updated. California Code of Regulations Title 8, Section 1529 states that asbestos containing material and presumed asbestos containing material that will be disturbed during demolition, construction, renovation, etc. must be handled according to the standard. The state of California states that a material that contains one-tenth of one percent asbestos is classified as a regulated asbestos material.

Additional investigation and sampling are recommended if any newly discovered building material is identified that is not called out within this asbestos sampling report.

Survey Methodology

The sampling as completed included **semi-destructive sampling** to conduct asbestos bulk sampling. Samples were collected to the best of the inspector's ability and access. There are assumptions made within this sampling report as it relates to building materials not accessible at the time of the inspections. Sampling of these areas was conducted at access points that were previously in place or in direct view of the on-site inspector. The surveyor proceeded to complete a visual inspection of the surrounding surfaces and the building components that were found at the building site as part of the asbestos sampling. Following the review of each inspection location that was remaining at the time of the inspection, the surveyor then made inspection notes while still in the field. These notes recorded data on the presence, type and general condition of any suspected ACMs encountered, and on a system-by-system basis as outlined in this report. The sampling analysis breakdowns are provided in this report.

Asbestos Bulk Sampling Strategy

The collection of bulk samples was performed in sufficient frequency to obtain only a basic pattern as to the use of possible asbestos containing materials (ACM) within the limited areas of the building called out for inspections. It is known however, that inconsistencies within construction or later repair or renovation may result in deviation from this general pattern. For this reason, it is not possible to positively identify the presence and extent of asbestos building materials associated with the areas sampled without inspecting and sampling every square foot of all building surfaces and components encountered during the inspection process. As this was outside of the scope of this assignment, identification of asbestos-suspect materials was based on the surveyor's own experience and knowledge of the use of asbestos in buildings, the age, and the general appearance of the materials encountered. A complete list of sampled materials is attached to this report.

Sampling Method – Bulk Sampling

Wherever the collection of a bulk sample became necessary, samples were collected using general hand tools and placed in plastic zip bags, which were individually labelled with a sample number and description of the sampling location. This information was also recorded on a transmittal form. One copy of this form remained with the samples when transported to the laboratory. The second copy was retained by the surveyor. Care was used by the surveyor (wherever possible) to collect samples at a location which produced the least visual impact or would be least objectionable to building occupants.

Asbestos Bulk Sample Analysis

Each of the bulk samples collected were analysed by EMSL Analytical located in San Diego, California, using a combination of dispersion staining and polarized light microscopy. Sample preparation and analytical procedures follow the protocol outlined for NIOSH Method 9002 for bulk asbestos analysis, and the US EPA Method 600/R-93/116 dated July, 1993. Each of these methods is recognized by both federal and provincial authorities. For quality control purposes, the laboratory used for the sample asbestos analysis is certified under the National Voluntary Laboratory Accreditation Program (NVLAP) to perform asbestos analysis of bulk samples.

Deviations in Sample Results

Due to the removal and replacement of individual building materials over the course of a building's life or due to the installation of visually similar building products, it is possible that individual building surfaces may not be characteristic of the samples collected. Every effort was made to collect samples from typical building materials and components as found during the on-site sample collection. If any building material is discovered to be suspect of containing asbestos, and it was not accessible or identified in this building inspection report, additional samples should be collected and analysed and the building inspection report and data should subsequently be updated.

Definitions of ACM

Asbestos Containing Material (ACM): According to EPA, OSHA and Cal-OSHA, asbestos containing material is a material that has greater than 1% asbestos.

Asbestos Containing Building Material (ACBM): For purposes of AHERA, material with greater than 1% asbestos that was used on the interior construction of a school is called asbestos containing building material (ACBM).

Asbestos Containing Construction Material (ACCM): According to Title 8, Section 1529, asbestos containing construction material means any manufactured construction material which contains more than 0.1 % asbestos by weight.

Presumed Asbestos Containing Material (PACM): Any thermal system insulation and surfacing material found in buildings constructed no later than 1980. The designation of a material as PACM may be rebutted pursuant to Title 8, section 1529, subsection (k)(5).

Regulated Asbestos Containing Material (RACM): The EPA in the National Emission Standard for Hazardous Air Pollutants (NESHAP) defines RACM as (a) Friable asbestos containing material, (b) Category I non-friable asbestos containing material that has become friable, (c) Category I non-friable asbestos containing material that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II non-friable asbestos containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by Subpart M.

General Limitations

The survey as completed was of sufficient depth to provide a screening for the purpose of establishing the presence of asbestos containing materials (ACM and ACBM) within the limited areas inspected within the building. Due to the nature of building construction some limitations exist as to the possible extent and accuracy of this survey. Such limitations include any inconsistencies in the use of materials during construction or later repairs or renovations that result in deviations from the general pattern. However, without sampling every square foot of building materials, it is not possible to rule out such limitations.

As this is not a practical approach to sample every square foot of building material, the survey was completed based on the collection of a sufficient number of samples representing the building materials listed in this sampling report and visually encountered. Every effort was made to collect these samples from typical or representative materials as they were encountered.

The collection of data, quantification of any damage, and confirmation of existing conditions, is limited by the surveyor's ability to access and visually inspect conditions at each inspection location. The collection of data above fixed or mechanically fastened ceilings, or from within concealed cavities or shafts, is therefore limited by the availability and location of access points, hatches, etc. Areas that were not accessed include but not limited to inside wall cavities, above ceilings, above fixed ceiling tiles, areas behind security fences, areas behind security covered windows, and non-exposed mechanical equipment.

The survey, as completed, did not include demolition and dismantlement of equipment to access building materials. The sampling was conducted to the best ability and safety of the on-site inspectors on-site.

The field observations, measurements, and analysis are considered sufficient in detail and scope to form a reasonable basis for asbestos containing materials (ACM) overview of the buildings in question as it relates to the building systems. Western Environmental & Safety Technologies LLC (WEST) warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos hazard evaluation methods, for the site referenced in this report.

These evaluation methods have been developed to provide the client with information regarding apparent indications of existing or potentially hazardous asbestos conditions relating to the property and are necessarily limited to the conditions observed and information available at the time of the site visit and research. There is a distinct possibility that conditions may exist which could not be reasonably identified within the scope of the assessment or which were not apparent during the site visit.

Western Environmental & Safety Technologies LLC (WEST) believes that the information collected during the survey period concerning this property is reliable. However, Western Environmental & Safety Technologies LLC (WEST) cannot warrant or guarantee that the information provided is absolutely complete or accurate beyond the current asbestos consulting industry standards.

The conclusions and recommendations presented in this report are based upon reasonable visual inspection, site investigation, and bulk sampling of the property and research of available materials within the scope and budget of the contract. The information presented is relevant to the dates of our site visit and should not be relied upon to represent conditions at later dates. The opinions expressed herein are based on information obtained during our on-site inspection efforts and on our experience. If additional information becomes available, we request the opportunity to review the information and modify our opinions, if necessary.

Our services have been provided using that degree of care and skill ordinarily exercised, under similar circumstances, by environmental consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented in this report. Western Environmental & Safety Technologies LLC (WEST) is not responsible for the conclusions, opinions, or recommendations made by others based on this information.

Report Prepared by and Laboratory Sample Analysis Reviewed By:



2/22/2024

David Christy

Certified Asbestos Consultant - CAC# 92-0703

☎ Tel: (858) 271-1842 (office)

☎ Tel: (619) 571-3987 (cell)

☎ FAX: (858) 271-1856

✉ Email: gowestdc@msn.com

Review Dates

Limited Asbestos Sampling as Requested Creekside Early Learning Center – Various Buildings Roofing Inspection Asbestos Bulk Sampling Breakdown					
Sample #	Sample Date	Area	Sample Location	Material Sampled	Results
01S	2/14/2024	@ room 24	Roof	Roofing Core (shingle)	None Detected
01R	2/14/2024	@ room 24	Roof	Roofing Core (roofing)	None Detected
02S	2/14/2024	@ room 23	Roof	Roofing Core (shingle)	None Detected
02R	2/14/2024	@ room 23	Roof	Roofing Core (roofing)	None Detected
03S	2/14/2024	@ room 22	Roof	Roofing Core (shingle)	None Detected
03R	2/14/2024	@ room 22	Roof	Roofing Core (roofing)	None Detected
04	2/14/2024	@ room 22	Roof	Roofing Mastic	4% Chrysotile
05S	2/14/2024	@ room 21	Roof	Roofing Core (shingle)	None Detected
05R	2/14/2024	@ room 21	Roof	Roofing Core (roofing)	None Detected
06	2/14/2024	@ room 21	Roof	Roofing Mastic	3% Chrysotile
07S	2/14/2024	@ room 20	Roof	Roofing Core (shingle)	None Detected
07R	2/14/2024	@ room 20	Roof	Roofing Core (roofing)	None Detected
08	2/14/2024	@ room 20	Roof	Roofing Mastic	6% Chrysotile
09S	2/14/2024	@ room 19	Roof	Roofing Core (shingle)	None Detected
09F	2/14/2024	@ room 19	Roof	Roofing Core (felt)	None Detected
10	2/14/2024	@ room 19	Roof	Roofing Mastic	3% Chrysotile
11S	2/14/2024	@ room 10	Roof	Roofing Core (shingle)	None Detected
11R	2/14/2024	@ room 10	Roof	Roofing Core (roofing)	None Detected
12S	2/14/2024	@ room 10	Roof	Roofing Core (shingle)	None Detected
12R	2/14/2024	@ room 10	Roof	Roofing Core (roofing)	None Detected
13	2/14/2024	@ room 12	Roof	Roofing Mastic	6% Chrysotile
14	2/14/2024	@ room 12	Roof	Roofing Mastic	5% Chrysotile
15S	2/14/2024	@ room 5	Roof	Roofing Core (shingle)	None Detected
15F	2/14/2024	@ room 5	Roof	Roofing Core (felt)	None Detected
16S	2/14/2024	@ room 5H	Roof	Roofing Core (shingle)	None Detected
16R	2/14/2024	@ room 5H	Roof	Roofing Core (roofing)	None Detected
None Detected = No asbestos found in the sample analyzed The sample descriptions listed above represent the location of the individual sample collected. The building material that has been sampled as listed above may be present in other locations of the building and has been represented above as a homogeneous space. Asbestos results are reported in % using Polarized Light Microscopy (PLM) as reported by EMSL, San Diego, California. WEST utilized EMSL located in San Diego, California. a NVLAP and California DHS Accredited Laboratory to provide: “Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM).”					

Limited Asbestos Sampling as Requested Creekside Early Learning Center – Various Buildings Roofing Inspection Asbestos Bulk Sampling Breakdown					
Sample #	Sample Date	Area	Sample Location	Material Sampled	Results
17	2/14/2024	@ room 5	Roof	Roofing Mastic	None Detected
18S	2/14/2024	MPR / Kitchen	Roof	Roofing Core (shingle)	None Detected
18R	2/14/2024	MPR / Kitchen	Roof	Roofing Core (roofing)	None Detected
19S	2/14/2024	MPR / Kitchen	Roof	Roofing Core (shingle)	None Detected
19R	2/14/2024	MPR / Kitchen	Roof	Roofing Core (roofing)	None Detected
20S	2/14/2024	MPR / Kitchen	Roof	Roofing Mastic (sealant)	None Detected
20M	2/14/2024	MPR / Kitchen	Roof	Roofing Mastic	None Detected
21S	2/14/2024	Admin	Roof	Roofing Core (shingle)	None Detected
21F	2/14/2024	Admin	Roof	Roofing Core (felt)	None Detected
22S	2/14/2024	Admin	Roof	Pitch Pocket Mastic (sealant)	None Detected
22R	2/14/2024	Admin	Roof	Pitch Pocket Mastic (roofing)	None Detected
23S	2/14/2024	Admin	Roof	Pitch Pocket Mastic (sealant)	None Detected
23R	2/14/2024	Admin	Roof	Pitch Pocket Mastic (roofing)	None Detected
24S	2/14/2024	@ room 16	Roof	Roofing Core (shingle)	None Detected
24R	2/14/2024	@ room 16	Roof	Roofing Core (roofing)	None Detected
25	2/14/2024	@ room 16	Roof	Roofing Mastic	10% Chrysotile
26	2/14/2024	@ room 16	Roof	Roofing Penetration Mastic	6% Chrysotile
None Detected = No asbestos found in the sample analyzed The sample descriptions listed above represent the location of the individual sample collected. The building material that has been sampled as listed above may be present in other locations of the building and has been represented above as a homogeneous space. Asbestos results are reported in % using Polarized Light Microscopy (PLM) as reported by EMSL, San Diego, California. WEST utilized EMSL located in San Diego, California. a NVLAP and California DHS Accredited Laboratory to provide: “Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM).”					



WESTERN ENVIRONMENTAL & SAFETY TECHNOLOGIES LLC

“an environmental consulting firm”

Attachment One

Asbestos Laboratory Sheets & Chain of Custody's



EMSL Analytical, Inc.

8145 Ronson Road, Suite B San Diego, CA 92111

Tel/Fax: (858) 499-1303 / (858) 499-1304

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

EMSL Order: 432401505

Customer ID: WEST60

Customer PO:

Project ID:

Attention: David A Christy

Western Environmental & Safety Tech.

7676 Hazard Center Drive

Suite 500

San Diego, CA 92108

Project: CREEKSIDE - ROOFING / ALPINE, CA

Phone: (619) 571-3987

Fax: (858) 271-1856

Received Date: 02/14/2024 5:35 PM

Analysis Date: 02/20/2024

Collected Date:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
01-Shingle 432401505-0001	RM 24 / ROOF / ROOF CORE	Black Fibrous Homogeneous	4% Glass	96% Non-fibrous (Other)	None Detected
01-Roofing 432401505-0001A	RM 24 / ROOF / ROOF CORE	Black Fibrous Homogeneous	4% Glass	96% Non-fibrous (Other)	None Detected
02-Shingle 432401505-0002	RM 23 / ROOF / ROOF CORE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02-Roofing 432401505-0002A	RM 23 / ROOF / ROOF CORE	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
03-Shingle 432401505-0003	RM 22 / ROOF / ROOF CORE	White/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
03-Roofing 432401505-0003A	RM 22 / ROOF / ROOF CORE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
04 432401505-0004	RM 22 / ROOF / ROOF MASTIC	Gray/Black Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
05-Shingle 432401505-0005	RM 21 / ROOF / ROOF CORE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-Roofing 432401505-0005A	RM 21 / ROOF / ROOF CORE	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
06 432401505-0006	RM 21 / ROOF / ROOF MASTIC	Gray/Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
07-Shingle 432401505-0007	RM 20 / ROOF / ROOF CORE	White/Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
07-Roofing 432401505-0007A	RM 20 / ROOF / ROOF CORE	Black Fibrous Homogeneous	13% Glass	87% Non-fibrous (Other)	None Detected
08 432401505-0008	RM 20 / ROOF / ROOF MASTIC	Gray/Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
09-Shingle 432401505-0009	RM 19 / ROOF / ROOF CORE	Black Fibrous Homogeneous	13% Glass	87% Non-fibrous (Other)	None Detected
09-Felt 432401505-0009A	RM 19 / ROOF / ROOF CORE	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
10 432401505-0010	RM 19 / ROOF / ROOF MASTIC	Gray/Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

Initial report from: 02/20/2024 21:03:19



EMSL Analytical, Inc.

8145 Ronson Road, Suite B San Diego, CA 92111

Tel/Fax: (858) 499-1303 / (858) 499-1304

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

EMSL Order: 432401505

Customer ID: WEST60

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-Shingle 432401505-0011	RM 10 / ROOF / ROOF CORE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-Roofing 432401505-0011A	RM 10 / ROOF / ROOF CORE	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
12-Shingle 432401505-0012 <i>Sample resembles roof core.</i>	RM 10 / ROOF / ROOF MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-Roofing 432401505-0012A	RM 10 / ROOF / ROOF MASTIC	Black Non-Fibrous Homogeneous	7% Glass	93% Non-fibrous (Other)	None Detected
13 432401505-0013 <i>Sample resembles roof mastic.</i>	RM 12 / ROOF / ROOF CORE	Gray/Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
14 432401505-0014	RM 12 / ROOF / ROOF MASTIC	Gray/Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
15-Shingle 432401505-0015	RM 5 / ROOF / ROOF CORE	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
15-Felt 432401505-0015A	RM 5 / ROOF / ROOF CORE	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
16-Shingle 432401505-0016	RM 5H / ROOF / ROOF CORE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-Roofing 432401505-0016A	RM 5H / ROOF / ROOF CORE	Black Fibrous Homogeneous	9% Glass	91% Non-fibrous (Other)	None Detected
17 432401505-0017	RM 5 / ROOF / ROOF MASTIC	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
18-Shingle 432401505-0018	KITCHEN/ ROOF / ROOF CORE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-Roofing 432401505-0018A	KITCHEN/ ROOF / ROOF CORE	Black Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
19-Shingle 432401505-0019	MPR/ ROOF / ROOF CORE	White/Black Fibrous Homogeneous	7% Glass	93% Non-fibrous (Other)	None Detected
19-Roofing 432401505-0019A	MPR/ ROOF / ROOF CORE	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
20-Sealant 432401505-0020	KITCHEN / ROOF / ROOF MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-Mastic 432401505-0020A	KITCHEN / ROOF / ROOF MASTIC	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
21-Shingle 432401505-0021	ADMIN / ROOF / ROOF CORE	Black Fibrous Homogeneous	7% Glass	93% Non-fibrous (Other)	None Detected

Initial report from: 02/20/2024 21:03:19



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Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
21-Felt <small>432401505-0021A</small>	ADMIN / ROOF / ROOF CORE	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
22-Sealant <small>432401505-0022</small>	ADMIN / ROOF / PITCH POCKET	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22-Roofing <small>432401505-0022A</small>	ADMIN / ROOF / PITCH POCKET	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
23-Sealant <small>432401505-0023</small>	ADMIN / ROOF / PITCH POCKET	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23-Roofing <small>432401505-0023A</small>	ADMIN / ROOF / PITCH POCKET	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
24-Shingle <small>432401505-0024</small>	RM 16 / ROOF / ROOF CORE	White/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
24-Roofing <small>432401505-0024A</small>	RM 16 / ROOF / ROOF CORE	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
25 <small>432401505-0025</small>	RM 16 / ROOF / ROOF MASTIC	Gray/Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
26 <small>432401505-0026</small>	RM 16 / ROOF / ROOF PENETRATION MASTIC	Gray/Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile

Analyst(s)

Alberto Guerrero (11)

Emilia Dziedzic (15)

Eric Sun (4)

Peter Pham (13)

Riva Alger, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. 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 must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. 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: 02/20/2024 21:03:19

#432401505

Asbestos Bulk Sampling - Chain of Custody

WEST LLC 2820 Carleton Street, #25 San Diego, CA 92106 Tel: 858.271.1842 Tel: 858.271.1856		Project Name: CREEKSIDE - Roofing Project Location: ALPINE, CA.		WEST Contact: David Christy, (619) 571-3987 gowestdc@msn.com		Laboratory to be used: EMSL Analytical City/State: San Diego, California	
Turn Around Time: 22 hours 96 hrs.							
Relinquished By: (sign / print)		Company		Date / Time		Received By: (sign / print)	
David Christy /		WEST		2/14/24		Cara Waltham 2/14/24 5:35pm	
Sample #	Date	Area	Sample Location	Sample Description	Analysis Requested		
01	2/14/24	Rm 24	Roof	Roof Core	PLM		
02		Rm 23		Roof Core	PLM		
03		Rm 22		Roof Core	PLM		
04		↓		Roof Core MASTIC	PLM		
05		Rm 21		Roof Core	PLM		
06		↓		Roof MASTIC	PLM		
07		Rm 20		Roof Core	PLM		
08		↓		Roof MASTIC	PLM		
09		Rm 19		Roof Core	PLM		
10		↓		Roof MASTIC	PLM		
11		Rm 10		Roof Core	PLM		
12		↓		Roof MASTIC	PLM		
13		Rm 12		Roof Core	PLM		
14		Rm 12		Roof MASTIC	PLM		
15		Rm 5		Roof Core	PLM		
16		RM 5H		Roof Core	PLM		
17		Rm 5		Roof Mastic	PLM		
18		Kitchen		Roof Core	PLM		
19		MPR		Roof Core	PLM		
20		Kitchen		Roof Mastic	PLM		
21		Admin		Roof Core	PLM		
22		Admin		Pitch Pocket	PLM		
23		Admin		Pitch Pocket	PLM		
24		RM 16		Roof Core	PLM		

[illegible]