

 <p>Berkeley PUBLIC SCHOOLS Berkeley Unified School District</p>	ADDENDUM #4
	Thousand Oaks Fire Alarm Project
	Date: July 19, 2024

ADDENDUM TO BID DOCUMENTS

The following clarifications are provided based on questions received or changes in District requirements and must be added/considered when completing your submittal:

Acknowledgement of receipt of this *ADDENDUM* is required in the bid form. Please clearly note the addendum date and number.

CLARIFICATIONS:

Attached are the hazardous material testing results, performed at Thousand Oaks Elementary School.

No hazardous materials were detected.

END OF ADDENDUM #04

**DESIGNATED PRE-MODERNIZATION/RENOVATION
ASBESTOS AND LEAD SURVEY REPORT**

**THOUSAND OAKS ELEMENTARY SCHOOL
840 COLUSA AVENUE
BERKELEY, CA 94707**

**EXTERIOR WALLS
FIRE ALARM PROJECT**

**Prepared for:
BERKLEY UNIFIED SCHOOL DISTRICT
1707 RUSSELL STREET
BERKLEY, CA 94707**

HazMat Doc Project # 24-064

**Prepared by:
HAZMAT DOC
3080 OLCOTT STREET • SUITE 135 D
SANTA CLARA, CA 95054
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HazMat Doc

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PART – I

OVERVIEW

HazMat Doc has completed a Designated Pre-Modernization/Renovation Asbestos and Lead Survey project at Thousand Oaks Elementary School located at 840 Colusa Avenue, Berkeley, CA 94707. This work was performed in response to a request by Ms. Ashley del Rio of Van Pelt Construction Services (VPCS), Assistant Program Manager for the Berkeley Unified School District (BUSD) and authorized by Mr. John Calise of the BUSD.

The purpose of the Survey was to determine if any materials that may be impacted, as indicated by Ms. Del Rio as a part of the Fire Alarm Modernization would require controls as specified in Title 8, California Code of Regulations (OSHA), sections 1529 (Asbestos) and 1532.1 (Lead). HazMat Doc personnel visited the site on July 11, 2024. Ms. Del Rio, our site contact for this survey, made all the necessary arrangements for access.

OBSERVATIONS AND WORK PERFORMED

This Designated Survey is limited to the exterior walls of three (3) permanent Buildings on the Thousand Oaks Elementary School campus. As directed by Ms. Del Rio the new (modernized) Fire Alarm system would need to penetrate the outer walls of the building envelope in one location. The remaining work for the fire alarms would utilize the existing conduits to terminate at the existing pull stations and sensors which are scheduled to be replaced in their existing locations.

As requested, discreet sampling was performed for the exterior envelope of the building. Samples were collected from previously damaged areas of the buildings and/or from behind electrical/utility wall plates to avoid disfiguring the buildings.

Asbestos

A total of twelve (12) suspect asbestos samples were collected during the Survey. Samples were collected from both the upper and lower stucco materials on each building. The samples were appropriately bagged, labeled, and prepared for delivery. All samples were transported and delivered under chain of custody to EMSL Analytical, Inc., in San Leandro, CA, for Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM). Original Laboratory results are enclosed for review and inclusion with the District's records for this site.

This Survey is limited to designated materials/surfaces in the selected areas that could be impacted as part of the Fire Alarm Modernization and covers only the accessible materials and surfaces designated by Ms. Del Rio. However, materials may be present in inaccessible areas and/or not shown on the project drawings as surfaces scheduled to be impacted, and therefore are not included in this report.

Lead Bulk Sampling

Six (6) suspect bulk Lead containing sample was collected during the Survey. The sample was collected from both the white and brown paint on the lower and upper stucco. The samples were appropriately bagged, labeled, and prepared for delivery. All samples were transported and delivered under chain of custody to EMSL Analytical, Inc., in San Leandro, CA, under chain-of-custody for analysis by EPA SW846-7420 – Lead in Paint. Original Laboratory results are enclosed for review and inclusion with the District's records for this site.

This Survey is limited to designated materials/surfaces in the selected areas that could be impacted as part of the Fire Alarm Modernization and covers only the accessible materials and surfaces designated by Ms. Del Rio. However, materials may be present in inaccessible areas and/or not shown on the project drawings as surfaces scheduled to be impacted, and therefore are not included in this report.

SUMMARY OF RESULTS AND RECOMMENDATIONS

Since the property is currently occupied (summer camps), HazMat Doc did NOT perform a destructive survey of the property, (i.e., our inspector(s) did not tear into walls or destroy other finishes in order to determine what material, if any, might exist in wall cavities, etc). It is however, recommended that an attempt be made to discover potentially “concealed” material(s) prior to invasive construction activity.

Asbestos

No asbestos was detected in any of the sample results. Please see attached Laboratory Report.

Lead Bulk Sampling

All sample results were below the Laboratory Reporting Detection Limit(s) (RDLs) of 80 ppm (parts per million or milligrams per kilogram). Please see attached Laboratory Report.

Lead Notification

As directed by the California Department of Health Services (CDPH) in their Lead Hazard Evaluation – Reporting Requirements Reminder dated June 5, 2006, we have submitted the requisite CDPH form 8552 to the Childhood Lead Poisoning Prevention Branch in Richmond, California. A copy of the same CDPH form 8552 is attached to this report for inclusion with the District’s records for this site.

Please note, this is not a complete Survey of asbestos containing materials or of materials/surfaces that may be coated with Lead containing paint for this Site. This Survey has been exclusively focused on those materials/surfaces in the selected areas that are designated to be impacted as a part of the Fire Alarm Modernization Project.

HazMat Doc



**Zen B. Doctor,
Project Manager**

PART – II



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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EMSL Order: 092412955

Customer ID: HAZM63

Customer PO: 24-064

Project ID:

Attention: Maheen B. Doctor

HazMat Doc

3080 Olcott Street

Suite D135

Santa Clara, CA 95054

Phone: (408) 748-0055

Fax:

Received Date: 07/11/2024 11:15 AM

Analysis Date: 07/13/2024

Collected Date: 07/11/2024

Project: 24-064- BERKELEY UNIFIED SCHOOL DISTRICT- THOUSAND OAKS ES

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
64-A-01-Stucco 1 <small>092412955-0001</small>	SOUTH WING EXTERIOR- BROWN STUCCO SURFACE LAYER	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-01-Stucco 2 <small>092412955-0001A</small>	SOUTH WING EXTERIOR- BROWN STUCCO SURFACE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-02 <small>092412955-0002</small>	SOUTH WING EXTERIOR- BROWN STUCCO BASE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-03 <small>092412955-0003</small>	SOUTH WING EXTERIOR- WHITE STUCCO SURFACE LAYER	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-04-Stucco 1 <small>092412955-0004</small>	SOUTH WING EXTERIOR-WHITE STUCCO BASE LAYER	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-04-Stucco 2 <small>092412955-0004A</small>	SOUTH WING EXTERIOR-WHITE STUCCO BASE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-05 <small>092412955-0005</small>	CENTER TWO -STORY SECTION EXTERIOR- BROWN STUCCO SURFACE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-06 <small>092412955-0006</small>	CENTER TWO -STORY SECTION EXTERIOR- BROWN STUCCO BASE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-07 <small>092412955-0007</small>	CENTER TWO -STORY SECTION EXTERIOR- WHITE STUCCO SURFACE LAYER	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-08-Stucco 1 <small>092412955-0008</small>	CENTER TWO -STORY SECTION EXTERIOR- WHITE STUCCO BASE LAYER	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-08-Stucco 2 <small>092412955-0008A</small>	CENTER TWO -STORY SECTION EXTERIOR- WHITE STUCCO BASE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected

Initial report from: 07/13/2024 13:53:40



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EMSL Order: 092412955
Customer ID: HAZM63
Customer PO: 24-064
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
64-A-09-Stucco 1 <i>092412955-0009</i>	NORTH WING EXTERIOR - BROWN STUCCO SURFACE LAYER	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-09-Stucco 2 <i>092412955-0009A</i>	NORTH WING EXTERIOR - BROWN STUCCO SURFACE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-10 <i>092412955-0010</i>	NORTH WING EXTERIOR - BROWN STUCCO BASE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-11-Stucco 1 <i>092412955-0011</i>	NORTH WING EXTERIOR - WHITE STUCCO SURFACE LAYER	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-11-Stucco 2 <i>092412955-0011A</i>	NORTH WING EXTERIOR - WHITE STUCCO SURFACE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
64-A-12 <i>092412955-0012</i>	NORTH WING EXTERIOR - WHITE STUCCO BASE LAYER	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected

Analyst(s)

Xeena Paul (17)

Oscar Merino, 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 Leandro, CA NVLAP Lab Code 101048-3, WA C884

Initial report from: 07/13/2024 13:53:40



EMSL Analytical, Inc

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EMSL Order:	092412983
CustomerID:	HAZM63
CustomerPO:	24-064
ProjectID:	

Attn: **Maheen B. Doctor**
HazMat Doc
3080 Olcott Street
Suite D135
Santa Clara, CA 95054

Phone: (408) 748-0055
 Fax:
 Received: 7/11/2024 11:15 AM
 Collected: 7/11/2024

Project: **BERKELEY INITED SCHOOL DISTRICT - THOUSAND OAKS E.S 24-064**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
64-P-01	092412983-0001	7/11/2024	7/12/2024	0.2586 g	<80 ppm
Site: SOUTH WING EXTERIOR - BROWN PAINT ON STUCCO					
64-P-02	092412983-0002	7/11/2024	7/12/2024	0.2684 g	<80 ppm
Site: SOUTH WING EXTERIOR - WHITE PAINT ON STUCCO					
64-P-03	092412983-0003	7/11/2024	7/12/2024	0.26 g	<80 ppm
Site: CENTER STORY SECTION - BROWN PAINT ON STUCCO					
64-P-04	092412983-0004	7/11/2024	7/12/2024	0.2552 g	<80 ppm
Site: CENTER STORY SECTION - WHITE PAINT ON STUCCO					
64-P-05	092412983-0005	7/11/2024	7/12/2024	0.2046 g	<98 ppm
Site: NORTH WING EXTERIOR - BROWN PAINT ON STUCCO					
64-P-06	092412983-0006	7/11/2024	7/12/2024	0.251 g	<80 ppm
Site: NORTH WING EXTERIOR - WHITE PAINT ON STUCCO					

Oscar Merino, Laboratory Manager
or other approved signatory

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* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA AIHA LAP, LLC-ELLAP Accredited #101748

Initial report from 07/12/2024 17:45:42