

ADDENDUM TO BID DOCUMENTS

THE DEHESA SCHOOL DISTRICT

DEHESA ELEMENTARY SCHOOL MODERNIZATION BUILDINGS A & B

AADENDUM NARRATIVE ADDENDUM NO. 1 May 2, 2024

NOTE: ALL PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS REMAIN UNCHANGED EXCEPT SECTIONS OR PARTS ADDED TO, REVISED, DELETED OR CLARIFIED BY THIS ADDENDUM.

This Addendum (including all attachments) consists of;

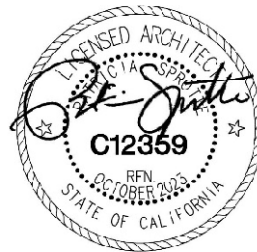
Addendum Narrative

- Two (2) 8 ½" x 11" pages of this Addendum Description

Modernization Buildings A & B – DSA-A04-122772

- Limited Asbestos and Lead Paint Inspection Report, 45 pages 8 ½" x 11
- Asbestos Removal Specification, 14 pages 8 ½" x 11
- Lead Paint Removal Specification, 14 pages 8 ½" x 11
- Universal Waste Removal Specification 7 pages 8 ½" x 11
- One (1) drawing sheet 30"x42"

Patricia Sprotte, Architect



- CHANGES MADE BY AOR TO DRAWINGS -

Dehesa Elementary School - Modernization Buildings A & B – DSA-04-122772

(Note: All revisions to drawings have been “clouded” and identified with **an Addendum 1 reference note**. Major revisions only have been described in narrative below. Please include this addendum in your original bid documents and acknowledge receipt accordingly on the Bid Proposal Form.)

Item 1: Reference Sheet A-1.1A. Fencing plan sheet added. Sheet size 30x42.

ADDED REPORTS -

Dehesa Elementary School - Modernization Buildings A & B – DSA-04-122772

Item 1: Limited Asbestos and Lead Paint Inspection Report

Item 2: Asbestos Removal Specification

Item 3: Lead Paint Removal Specification

Item 4: Universal Waste Removal Specification

**END OF ADDENDUM NARRATIVE
ADDENDUM No. 1**

Limited Asbestos and Lead Paint Sampling Report

Dehesa School

4612 Dehesa Road, El Cajon, California 92019

Buildings 2(A) and 3(B)

4/25/2024

General Information

Owner:

Dehesa School

4612 Dehesa Road, El Cajon, California 92019

Report Prepared for:

Eric Berg

School Facility Planning Specialist
San Diego County Office of Education

Report Prepared / Reviewed By:

Western Environmental & Safety Technologies LLC (WEST)

2820 Carleton Street, #25, San Diego, California, 92106

Phone: (858) 271-1842 • fax: (858) 271-1856 • email: gowestdc@msn.com

Point of Contact for Western Environmental & Safety Technologies LLC:

David Christy, CAC

Senior Partner - WEST

State of California Certified CAC# 92-0703, exp. 4/1/2023

CDPH Certified Lead Supervisor - S-5463

☎ Tel: (858) 271-1842 (office)

☎ Tel: (619) 571-3987 (cell)

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Attachment One - Asbestos Laboratory Sheets & Chains of Custodies

Attachment Two – Limited Lead Based Paint Sampling Report

Executive Summary

Sampling Date:	4/25/2024 (Limited Asbestos Sampling) 4/25/2024 (Limited Lead Paint Sampling)
Survey Description:	Dehesa Elementary School Buildings 2 and 3
Sampling Scope:	As requested by owner and listed within accepted WEST proposal and agreement
Services Complete:	Conduct a limited (semi-destructive) asbestos inspection, laboratory Analysis, reporting for the interiors, exteriors, and roofing from above of areas. Conduct limited XRF lead paint sampling.
Laboratory Analysis:	EMSL, 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, a State of California Certified Asbestos Consultant (92-0703), exp. 4/1/2023
Additional Sampling:	Lead Paint Testing (XRF Sampling) Completed by Allstate Services (report attached)
General Warrantee:	WEST warrants the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos inspection and evaluation methods for the referenced site.
Access Note:	Full access to accessible areas of the school buildings within the scope of inspection was provided.

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 LA Testing located in South Pasadena, 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.

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.

Special Notation:

At the time of the survey, WEST was limited to the type and location of samples collected since the buildings are an active school site . The sampling as completed was **non-destructive sampling** relating to asbestos bulk sampling from concealed areas and above ceilings / ceiling tiles within the building surveyed. Samples were collected to the best of the inspector’s ability and access while causing minimum disturbance to surrounding areas. Only bulk sampling of exposed and accessible building materials from areas granted access were completed.

Materials discovered to contain asbestos (known and assumed)

Asbestos Containing Building Material Breakdown (Known / Assumed)			
Asbestos Material	Asbestos Material Location	Friable	% of Damage
Asbestos Sheet Flooring 20% - 25% Chrysotile (ACBM)	Building B(3) Note: Sheet flooring found at entry's under carpet.	yes	20%
Asbestos Fire Door Insulation (Assumed Asbestos) – ACBM	All Buildings Note: All doors are assumed to be asbestos insulated and from all permanent buildings will be treated as greater than 1% asbestos until verification is completed	yes	0%

Contractor to verify the extent, locations, and quantities of asbestos materials.

(The descriptions listed above indicate where the asbestos materials are known / assumed to be on-site. Individual samples may have been collected from other areas. Buildings with the same year built and construction type are grouped together, and individual samples represent the material type, not the material location)

Note: Friability as listed above is based on current condition of the building material. Any disturbance to the above-listed materials could change the category from nonfriable to friable. The above asbestos materials are to be field verified prior to any bidding / disturbance / or removal activity that may disturb the above building materials that are known contain asbestos.

Assumed asbestos materials: All Building materials not sampled within this sampling report (undiscovered building materials -or- building materials that could not safely be accessed. This includes but not limited to pipe and duct insulations, fire doors, concealed mastics, concealed insulations, vapor barriers and mortar bed sealants)

Any building materials not listed within this sampling report for the referenced locations, whether outside sampling scope of work or newly discovered, shall be assumed to be asbestos containing greater than 1%. Additional investigation and sampling are recommended for these types of unreported materials. Asbestos bulk sampling and inspection services must be completed by State of California Certified personnel (Site Surveillance Technician or Certified asbestos Consultant). All laboratory analysis and reporting must be completed by a licensed and certified laboratory facility.

Materials discovered to contain Lead **(known and assumed – lead paint)**

Lead Inspection Findings:

- Exterior Post Supports - Lead Paint was found based on XRF sampling conducted by Allstate Services.
- Lead Ceramic Glazed Tiles (red) in the restrooms was found based on XRF sampling conducted by Allstate Services.

(some painted surfaces may contain levels of lead below 1.0 mg/cm", which could create lead dust or lead contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding)

All painted surfaces not identified or called out for sampling within the lead sampling report should be considered lead.

Some painted surfaces may contain levels of lead below 1.0 mg/cm", which could create lead dust or lead contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding. CAL-OSHA Regulations (Title 8 CCR Section 1532.1 and 29 CFR 1926.62) apply to all construction work where an employee may be occupationally exposed to lead, and therefore may be applicable to renovation or demolition projects involving paints with any concentration of lead.

When conducting construction activities, **which disturb lead in any amount or create an exposure to workers**, the employer is required to provide worker protection and conduct exposure assessments. All California employers should consult Cal-OSHA Regulations at Title 8, 1532.1, “Lead in Construction” standards for complete requirements.

Since the building listed above is undergoing renovation / demolition, **all construction personnel** performing the construction work should be properly trained in lead-related construction. California regulations define lead-related construction work as, “Construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential, public or commercial building, including preparation and cleanup, which, by using or disturbing lead containing material or soil, may result in significant exposure of individuals to lead.”

To also protect against this risk of lead exposure, on April 22, 2008, EPA issued the [Renovation, Repair and Painting Rule](#). It requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in pre-1978 homes, child care facilities and **schools** be certified by EPA and that they use certified renovators who are trained by EPA-approved training providers to follow lead-safe work practices. Individuals can become certified renovators by taking an eight-hour training course from an EPA-approved training provider.

Lead Inspections were completed as part of this inspection. Lead-based paint testing was conducted using portable x-ray fluorescence (XRF) spectrum analyzer, SciAps, X-550 pb. The X-550 pb is calibrated to measure the L-shell x-ray emissions of lead. The X-550 pb offers two modes of operations; the “quick” mode which is the preferred mode for most lead testing and the “timed” mode for industrial lead paint testing.



Universal Waste Materials

This project may require the handling, removing and disposing of universal waste items if removal of such items becomes necessary during this project. Carefully remove without causing damage, safely isolate and store on site, properly label, document, transport and dispose of all universal waste items as required and outlined for this project. The removal, hauling, and disposal of the referenced materials and all associated activities to complete this portion of the project as listed will be conducted at the contractor's expense. This may include Polychlorinated Biphenyls (PCB) containing materials in electrical ballasts and the associated mercury containing light tubes, thermostats and electrical switches that contain mercury, emergency lighting fixtures, emergency exit signs, generators and battery charging systems, and other electrical equipment or components for batteries that may contain heavy-metals.

The following items are known to be located at this site and may require removal as part of this project. Please see the architect's demolition documentation and drawings for further outline and clarification of materials to be removed.

As needed / required for this project, Contractor to verify the extent and locations of universal waste and to quantify all universal waste materials.

- **Electrical Ballasts (Only if needed)**
If the existing light fixtures are disturbed or removed, all fluorescent-ceiling fixtures will be checked from all construction areas and properly removed prior to the first disturbance as required.
- **Fluorescent and Other Universal Lamps - Only if needed (light Tubes)**
If the existing light fixtures are disturbed or removed, all fluorescent-ceiling light tubes fixtures will be removed prior to the first disturbance as required.
- **Mercury-Containing Thermostats and Electrical Switches (if discovered during demolition activities)**
If the existing thermostats are disturbed or removed: All thermostats will be checked and properly removed from all construction areas prior to the first disturbance as required.
- **Nickel-Cadmium, Lead-Acid, and Other Metal-Containing Batteries, Nuclear Power Source Emergency Lighting:**
If the existing batteries in emergency lighting fixtures, emergency exit signs, generators and battery charging systems, and other electrical equipment or components for batteries are disturbed or removed: All batteries in emergency lighting fixtures, emergency exit signs, generators and battery charging systems, and other electrical equipment or components for batteries will be checked and properly removed from all construction areas prior to the first disturbance as required.
- **HVAC Refrigerant Evacuation**
As required, the Contractor shall conduct HVAC Refrigerant Evacuation on all HVAC systems scheduled for demolition (see demolition pages within the architects plans and specifications for this project). Refrigerant evacuation must use a state of California approved capture system prior to disturbance of the HVAC equipment (approved capturing method).

Survey Methodology

The sampling as completed included **non-destructive sampling** to conduct asbestos bulk sampling within the building surveyed since the buildings are functioning school buildings and to be re-occupied after the break. 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) and asbestos containing building materials (ACBM) within the limited areas of the buildings 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 LA Testing 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.

Lead Paint / Lead Ceramic Tile

CAL-OSHA Regulations (Title 8 CCR Section 1532.1 and 29 CFR 1926.62) apply to all construction work where an employee may be occupationally exposed to lead, and therefore may be applicable to renovation or demolition projects involving paints with any concentration of lead. When conducting construction activities, **which disturb lead in any amount or create an exposure to workers**, the employer is required to provide worker protection and conduct exposure assessments. All California employers should consult Cal-OSHA Regulations at Title 8, 1532.1, “Lead in Construction” standards for complete requirements.

Since the building listed above is undergoing renovation / demolition, **all construction personnel** performing the construction work should be properly trained in lead-related construction. California regulations define lead-related construction work as, “Construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential, public or commercial building, including preparation and cleanup, which, by using or disturbing lead containing material or soil, may result in significant exposure of individuals to lead.”

To also protect against this risk of lead exposure, on April 22, 2008, EPA issued the [Renovation, Repair and Painting Rule](#). It requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in pre-1978 homes, child care facilities and **schools** be certified by EPA and that they use certified renovators who are trained by EPA-approved training providers to follow lead-safe work practices. Individuals can become certified renovators by taking an eight-hour training course from an EPA-approved training provider.

Lead based paint (LBP) sampling and identification was conducted as part of this scope of work.

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) 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 and 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:



5/1/2024

David Christy

Review Dates

Certified Asbestos Consultant - CAC# 92-0703, exp. 4/1/2023

Tel: (858) 271-1842 (office)

Tel: (619) 571-3987 (cell)

FAX: (858) 271-1856

Email: gowestdc@msn.com

Limited Asbestos Sampling as Requested Dehesa Elementary School – Buildings 2 and 3 Asbestos Bulk Sampling Breakdown					
Sample #	Sample Date	Building	Sample Location	Material Sampled	Results
01VSF	4/25/2024	B	Room B3	Sheet Floor	20% Chrysotile
01M	4/25/2024	B	Room B3	Sheet Floor Mastic	None Detected
02	4/25/2024	B	Room B3	Sheet Floor	25% Chrysotile
03M1	4/25/2024	B	Room B3	Floor Mastic on Float (1)	None Detected
03F	4/25/2024	B	Room B3	Floor Float	None Detected
03M2	4/25/2024	B	Room B3	Floor Mastic on Float (2)	None Detected
04F1	4/25/2024	B	Room B3	Floor Float (1)	None Detected
04F2	4/25/2024	B	Room B3	Floor Float (2)	None Detected
05	4/25/2024	B	Room B3	Carpet Glue	None Detected
06	4/25/2024	B	Room B3	Misc Floor Mastic	None Detected
07C	4/25/2024	B	Room B3	Carpet	None Detected
07G	4/25/2024	B	Room B3	Carpet Glue	None Detected
08CB	4/25/2024	B	Room B3	Cove base	None Detected
08M	4/25/2024	B	Room B3	Cove base mastic	None Detected
09	4/25/2024	B	Room B3	Backer Drywall Core	None Detected
10	4/25/2024	B	Room B3	Tack Board Core (windows)	None Detected
11WP	4/25/2024	B	Room B3	Tack Board Core (cover)	None Detected
11DW	4/25/2024	B	Room B3	Tack Board Core (drywall)	None Detected
12	4/25/2024	B	Room B3	Tack Board Mastic	None Detected
13	4/25/2024	B	Room B3	2x4 Ceiling Tiles	None Detected
14I	4/25/2024	B	Room B3	Ceiling Insulation	None Detected
14MB	4/25/2024	B	Room B3	Ceiling Insulation Paper	None Detected
15VSF	4/25/2024	B	Room B2	Sheet Floor	23% Chrysotile
15M	4/25/2024	B	Room B2	Sheet Floor Mastic	None Detected
16F	4/25/2024	B	Room B2	Floor Float	None Detected
16M	4/25/2024	B	Room B2	Floor Mastic on Float	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 located in 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 Dehesa Elementary School – Buildings 2 and 3 Asbestos Bulk Sampling Breakdown					
Sample #	Sample Date	Building	Sample Location	Material Sampled	Results
17	4/25/2024	B	Room B2	Carpet Glue	None Detected
18C	4/25/2024	B	Room B2	Carpet	None Detected
18G	4/25/2024	B	Room B2	Carpet Glue	None Detected
19WP	4/25/2024	B	Room B2	Cove Mastic on paper	None Detected
19M1	4/25/2024	B	Room B2	Cove Mastic (1)	None Detected
19M2	4/25/2024	B	Room B2	Cove Mastic (2)	None Detected
20	4/25/2024	B	Room B2	Tack Board Core (windows)	None Detected
21WP	4/25/2024	B	Room B2	Tack Board Paper (wall)	None Detected
21DW	4/25/2024	B	Room B2	Tack Board Drywall (wall)	None Detected
22	4/25/2024	B	Room B2	2x4 Ceiling Tiles	None Detected
23	4/25/2024	B	Room B2	Moving wall core	None Detected
24DW	4/25/2024	B	Room B1	Exposed drywall core (drywall)	None Detected
24JC	4/25/2024	B	Room B1	Exposed drywall core (joint compound)	None Detected
25	4/25/2024	B	Room B1	Exposed drywall core	None Detected
26FT	4/25/2024	B	Room B1	12x12 floor tile	None Detected
26M	4/25/2024	B	Room B1	Floor tile mastic	None Detected
27C	4/25/2024	B	Room B1	Carpet	None Detected
27M	4/25/2024	B	Room B1	Carpet Mastic	None Detected
28CB	4/25/2024	B	Room B1	Cove base	None Detected
28M	4/25/2024	B	Room B1	Cove base mastic	None Detected
29	4/25/2024	B	Room B1	Tack Board Core (windows)	None Detected
30	4/25/2024	B	Room B1	Tack Board Core (wall)	None Detected
31	4/25/2024	B	Room B1	Moving wall core	None Detected
32	4/25/2024	B	Room B1	2x4 Ceiling tiles	None Detected
33FC	4/25/2024	A	Ext. East	Wall Stucco Core (finish coat)	None Detected
33BC	4/25/2024	A	Ext. East	Wall Stucco Core (base coat)	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 located in 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 Dehesa Elementary School – Buildings 2 and 3 Asbestos Bulk Sampling Breakdown					
Sample #	Sample Date	Building	Sample Location	Material Sampled	Results
34FC1	4/25/2024	A	Ext. West	Wall Stucco Core (finish coat 1)	None Detected
34FC2	4/25/2024	A	Ext. West	Wall Stucco Core (finish coat 2)	None Detected
34BC	4/25/2024	A	Ext. West	Wall Stucco Core (base coat)	None Detected
35FC	4/25/2024	B	Ext. East	Wall Stucco Core (finish coat)	None Detected
35BC	4/25/2024	B	Ext. East	Wall Stucco Core (base coat)	None Detected
36	4/25/2024	B	Ext. West	Wall Stucco Core	None Detected
37	4/25/2024	B	B2	Wall tack adhesive	None Detected
38	4/25/2024	B	B2	Wall tack adhesive	None Detected
39DW	4/25/2024	A	Library	Drywall Wall Core (drywall)	None Detected
39JC	4/25/2024	A	Library	Drywall Wall Core (joint compound)	None Detected
40DW	4/25/2024	A	Photo Room	Drywall Wall Core (drywall)	None Detected
40JC	4/25/2024	A	Photo Room	Drywall Wall Core (joint compound)	None Detected
41DW	4/25/2024	A	Lounge	Drywall Wall Core (drywall)	None Detected
41JC	4/25/2024	A	Lounge	Drywall Wall Core (joint compound)	None Detected
42	4/25/2024	A	Library	12x12 Ceiling Tiles	None Detected
43	4/25/2024	A	Photo Room	12x12 Ceiling Tiles	None Detected
44	4/25/2024	A	Lounge	12x12 Ceiling Tiles	None Detected
45	4/25/2024	A	Library	Carpet Glue	None Detected
46	4/25/2024	A	Photo Room	Carpet Glue	None Detected
47C	4/25/2024	A	Photo Room	Carpet	None Detected
47G	4/25/2024	A	Photo Room	Carpet Glue	None Detected
48VP	4/25/2024	A	Lounge	Plank Floor	None Detected
48M	4/25/2024	A	Lounge	Plank Floor Mastic	None Detected
49VP	4/25/2024	A	Lounge	Plank Floor	None Detected
49M	4/25/2024	A	Lounge	Plank Floor Mastic	None Detected
50	4/25/2024	A	Library	Cove Mastic	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 located in 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 Dehesa Elementary School – Buildings 2 and 3 Asbestos Bulk Sampling Breakdown					
Sample #	Sample Date	Building	Sample Location	Material Sampled	Results
51	4/25/2024	A	Photo Room	Cove Mastic	None Detected
52	4/25/2024	A	Lounge	Cove Mastic	None Detected
53	4/25/2024	A	Ext. Front	Window Caulking	None Detected
54	4/25/2024	A	Ext. Rear	Window Caulking	None Detected
55	4/25/2024	B	Ext. Rear	Window Caulking	None Detected
56	4/25/2024	B	Ext. Rear	Window Caulking	None Detected
57	4/25/2024	A	Roof – Rear @ Edge	Roofing Shingle	None Detected
58	4/25/2024	A	Roof – Rear @ Edge	Roofing Underlayment	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 located in 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).”					

Attachment One

Asbestos Laboratory Sheets & Chain of Custody's



EMSL Analytical, Inc.

7725 Convoy Court San Diego, CA 92111

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

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

EMSL Order: 432403922

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: DESCANSO - BLDG. 3 & 4

Phone: (619) 571-3987

Fax: (858) 271-1856

Received Date: 04/29/2024 4:50 PM

Analysis Date: 04/30/2024 - 05/01/2024

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
			% Fibrous	% Non-Fibrous	% Type
01-Vinyl Sheet Flooring 432403922-0001	AREA B / RM. B3 INT. / SHEET FLOOR CORE	Beige Fibrous Homogeneous	7% Cellulose	73% Non-fibrous (Other)	20% Chrysotile
01-Mastic 432403922-0001A	AREA B / RM. B3 INT. / SHEET FLOOR CORE	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02 432403922-0002	AREA B / RM. B3 @ ENTRY / SHEET FLOOR CORE	Gray Fibrous Homogeneous	3% Cellulose	72% Non-fibrous (Other)	25% Chrysotile
03-Mastic 1 432403922-0003	AREA B / RM. B3 @ ENTRY / FLOOR FLOAT	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03-Float 432403922-0003A	AREA B / RM. B3 @ ENTRY / FLOOR FLOAT	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
03-Mastic 2 432403922-0003B	AREA B / RM. B3 @ ENTRY / FLOOR FLOAT	Various/Clear Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Unable to cleanly separate clear mastic from various debris.					
04-Float 1 432403922-0004	AREA B / RM. B3 @ ENTRY / FLOOR FLOAT	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-Float 2 432403922-0004A	AREA B / RM. B3 @ ENTRY / FLOOR FLOAT	White/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached yellow mastic.					
05 432403922-0005	AREA B / RM. B3 @ ENTRY / CARPET GLUE	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06 432403922-0006	AREA B / RM. B3 @ ENTRY / MISC FLOOR MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07-Carpet 432403922-0007	AREA B / RM. B3 / CARPET GLUE	Various/Blue Fibrous Homogeneous	90% Synthetic	10% Non-fibrous (Other)	None Detected
07-Glue 432403922-0007A	AREA B / RM. B3 / CARPET GLUE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-Cove Base 432403922-0008	AREA B / RM. B3 / BASE & MASTIC	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-Mastic 432403922-0008A	AREA B / RM. B3 / BASE & MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09 432403922-0009	AREA B / RM. B3 / BACKER DW	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

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

EMSL Order: 432403922

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
10 <i>432403922-0010</i>	AREA B / RM. B3 / TACK BOARD CORE - WINDOW	White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
11-Wallpaper <i>432403922-0011</i>	AREA B / RM. B3 / TACK BOARD CORE - WALL	Beige Fibrous Homogeneous	40% Synthetic	60% Non-fibrous (Other)	None Detected
11-Drywall <i>432403922-0011A</i>	AREA B / RM. B3 / TACK BOARD CORE - WALL	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
12 <i>432403922-0012</i>	AREA B / RM. B3 / TACK BOARD MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13 <i>432403922-0013</i>	AREA B / RM. B3 / 2 X 4 CEILING TILE	Gray/White Fibrous Homogeneous	35% Cellulose 20% Min. Wool	45% Non-fibrous (Other)	None Detected
14-Insulation <i>432403922-0014</i>	AREA B / RM. B3 / CEILING INSULATION	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
14-Moisture Barrier <i>432403922-0014A</i>	AREA B / RM. B3 / CEILING INSULATION	Black/Yellow Fibrous Heterogeneous	60% Cellulose 10% Synthetic	30% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of inseparable attached yellow insulation.</i>					
15-Vinyl Sheet Flooring <i>432403922-0015</i>	AREA B / B2 @ ENTRY / SHEET FLOOR CORE	Beige Fibrous Homogeneous	5% Cellulose	72% Non-fibrous (Other)	23% Chrysotile
15-Mastic <i>432403922-0015A</i>	AREA B / B2 @ ENTRY / SHEET FLOOR CORE	Gray/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
<i>Result includes inseparable attached leveler.</i>					
16-Float <i>432403922-0016</i>	AREA B / B2 @ ENTRY / FLOOR FLOAT	Gray Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
16-Mastic <i>432403922-0016A</i>	AREA B / B2 @ ENTRY / FLOOR FLOAT	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17 <i>432403922-0017</i>	AREA B / B2 @ ENTRY / CARPET GLUE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-Carpet <i>432403922-0018</i>	AREA B / B2 / CARPET CORE	Various/Blue Fibrous Homogeneous	90% Synthetic	10% Non-fibrous (Other)	None Detected
18-Glue <i>432403922-0018A</i>	AREA B / B2 / CARPET CORE	White/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of inseparable attached white debris.</i>					
19-Wallpaper <i>432403922-0019</i>	AREA B / B2 / COVE MASTIC	Beige Fibrous Homogeneous	60% Synthetic	40% Non-fibrous (Other)	None Detected
19-Mastic 1 <i>432403922-0019A</i>	AREA B / B2 / COVE MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-Mastic 2 <i>432403922-0019B</i>	AREA B / B2 / COVE MASTIC	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20 <i>432403922-0020</i>	AREA B / B2 / TACK BOARD CORE - WALL	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
<i>Sample resembles drywall.</i>					

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7725 Convoy Court San Diego, CA 92111

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

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

EMSL Order: 432403922

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
21-Wallpaper 432403922-0021	AREA B / B2 / TACK BOARD CORE WINDOW	Beige Fibrous Homogeneous	60% Synthetic	40% Non-fibrous (Other)	None Detected
21-Drywall 432403922-0021A	AREA B / B2 / TACK BOARD CORE WINDOW	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
22 432403922-0022	AREA B / B2 / 2 X 4 CEILING TILE	White/Beige Fibrous Homogeneous	40% Cellulose 25% Min. Wool	5% Perlite 30% Non-fibrous (Other)	None Detected
23 432403922-0023	AREA B / B2 / MOVING WALL CORE	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
24-Drywall 432403922-0024 <i>Sample resembles drywall and joint compound.</i>	AREA B / B1 / EXPOSED DW CORE	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
24-Joint Compound 432403922-0024A	AREA B / B1 / EXPOSED DW CORE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25 432403922-0025 <i>Only joint compound sufficient for analysis.</i>	AREA B / B1 / EXPOSED DW CORE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-Floor Tile 432403922-0026	AREA B / @ RR UNDER CARP / 12 X 12 FLOOR TILE & MASTIC	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-Mastic 432403922-0026A	AREA B / @ RR UNDER CARP / 12 X 12 FLOOR TILE & MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27-Carpet 432403922-0027	AREA B / B1 / CARPET CORE	Gray/Blue Fibrous Homogeneous	90% Synthetic	10% Non-fibrous (Other)	None Detected
27-Mastic 432403922-0027A <i>Result includes inseparable attached leveler.</i>	AREA B / B1 / CARPET CORE	Gray/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
28-Cove Base 432403922-0028	AREA B / B1 / COVE BASE & MASTIC	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28-Mastic 432403922-0028A	AREA B / B1 / COVE BASE & MASTIC	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29 432403922-0029	AREA B / B1 / TACK BOARD CORE @ WINDOWS	Brown/White Fibrous Homogeneous	10% Cellulose 10% Synthetic	80% Non-fibrous (Other)	None Detected
30 432403922-0030	AREA B / B1 / TACK BOARD CORE @ WALLS	White Fibrous Homogeneous	<1% Cellulose 30% Synthetic	70% Non-fibrous (Other)	None Detected
31 432403922-0031	AREA B / B1 / MOVING WALL CORE	White/Orange Fibrous Heterogeneous	15% Cellulose 10% Synthetic	75% Non-fibrous (Other)	None Detected
32 432403922-0032	AREA B / B1 / 2 X 4 CEILING TILE	White/Beige Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (Other)	None Detected

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

EMSL Order: 432403922

Customer ID: WEST60

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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
33-Finish Coat 432403922-0033	AREA A / EXT. E / WALL STUCCO CORE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33-Base Coat 432403922-0033A	AREA A / EXT. E / WALL STUCCO CORE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34-Finish Coat 1 432403922-0034	AREA A / EXT. W / WALL STUCCO CORE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34-Finish Coat 2 432403922-0034A	AREA A / EXT. W / WALL STUCCO CORE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34-Base Coat 432403922-0034B	AREA A / EXT. W / WALL STUCCO CORE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35-Finish Coat 432403922-0035	AREA B / EXT. E / WALL STUCCO CORE	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35-Base Coat 432403922-0035A	AREA B / EXT. E / WALL STUCCO CORE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
36 432403922-0036	AREA B / EXT. W / WALL STUCCO CORE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37 432403922-0037	AREA B / ROOM B2 / WALL TACK ADHESIVE	Yellow Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
38 432403922-0038	AREA B / ROOM B2 / WALL TACK ADHESIVE	Yellow Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
39-Drywall 432403922-0039	AREA A / LIBRARY / DW WALL CORE	Tan Non-Fibrous Homogeneous	<1% Cellulose <1% Glass	100% Non-fibrous (Other)	None Detected
39-Joint Compound 432403922-0039A	AREA A / LIBRARY / DW WALL CORE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39-Texture 432403922-0039B	AREA A / LIBRARY / DW WALL CORE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40-Drywall 432403922-0040 No texture present in sample.	AREA A / PHOTO RM. / DW WALL CORE	Tan Non-Fibrous Homogeneous	<1% Cellulose <1% Glass	100% Non-fibrous (Other)	None Detected
40-Joint Compound 432403922-0040A	AREA A / PHOTO RM. / DW WALL CORE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
41-Drywall 432403922-0041	AREA A / LOUNGE / DW WALL CORE	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
41-Joint Compound 432403922-0041A	AREA A / LOUNGE / DW WALL CORE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42 432403922-0042	AREA A / LIBRARY / 12 X 12 CEILING TILE	Gray Fibrous Homogeneous	65% Cellulose 15% Min. Wool	20% Non-fibrous (Other)	None Detected
43 432403922-0043	AREA A / PHOTO RM / 12 X 12 CEILING TILE	Gray Fibrous Homogeneous	65% Cellulose 15% Min. Wool	20% Non-fibrous (Other)	None Detected

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7725 Convoy Court San Diego, CA 92111

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

EMSL Order: 432403922

Customer ID: WEST60

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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
44 432403922-0044	AREA A / LOUNGE / 12 X 12 CEILING TILE	White/Beige Fibrous Homogeneous	70% Cellulose 10% Min. Wool	20% Non-fibrous (Other)	None Detected
45 432403922-0045	AREA A / LIBRARY / CARPET GLUE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46 432403922-0046	AREA A / PHOTO RM / CARPET GLUE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47-Carpet 432403922-0047	AREA A / PHOTO RM / CARPET CORE	Gray Fibrous Homogeneous	90% Synthetic	10% Non-fibrous (Other)	None Detected
47-Glue 432403922-0047A	AREA A / PHOTO RM / CARPET CORE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48-Vinyl Plank 432403922-0048	AREA A / LOUNGE / PLANK FLOOR CORE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48-Mastic 432403922-0048A	AREA A / LOUNGE / PLANK FLOOR CORE	Brown/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49-Vinyl Plank 432403922-0049	AREA A / LOUNGE / PLANK FLOOR CORE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49-Mastic 432403922-0049A	AREA A / LOUNGE / PLANK FLOOR CORE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50 432403922-0050	AREA A / LIBRARY / COVE MASTIC	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51 432403922-0051	AREA A / PHOTO RM. / COVE MASTIC	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
52 432403922-0052	AREA A / LOUNGE / COVE MASTIC	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53 432403922-0053	AREA A / EXT. F / WINDOW CAULKING	White/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
54 432403922-0054	AREA A / EXT. R / WINDOW CAULKING	White/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
55 432403922-0055	AREA B / R / WINDOW CAULKING	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
56 432403922-0056	AREA B / R / WINDOW CAULKING	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
57 432403922-0057	AREA A / ROOF - REAR / SHINGLE	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
58 432403922-0058	AREA A / ROOF - EDGE / UNDERLAYMENT	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 432403922

Customer ID: WEST60

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Project ID:

Analyst(s)

Alberto Guerrero (17)

Eric Sun (25)

Gabriella Angulo-Quigley (14)

Lisa Roberts (14)

Peter Pham (17)

Riva Alger, Laboratory Manager
or Other Approved Signatory

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

Initial report from: 05/01/2024 20:59:04

432403922

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: WASCANSO - Bldg 384	WEST Contact: David Christy, (619) 571-3987 gowestdc@msn.com	Laboratory to be used: EMSL Analytical City/State: San Diego, California
	Project Location:		

Turn Around Time: **98 hr. ***

Relinquished By: (sign / print)	Company	Date / Time	Received By: (sign / print)	Date / Time
David Christy / <i>[Signature]</i>	WEST	4/29/24	<i>[Signature]</i> Barrett Smith	4/29/24 4:50pm

Sample #	Date	Area	Sample Location	Sample Description	Analysis Requested
01	4/25/24	B	Rm. B3 INT.	Sheet Floor Core	PLM
02			@ ENTRY	↓ ↓	PLM
03				FLOOR FLOAT	PLM
04				↓ ↓	PLM
05				CARPET GLUE	PLM
06				MISC FLOOR MASTIC	PLM
07			Rm B3	CARPET CORE	PLM
08				BASE & MASTIC	PLM
09				BRICK DRYWALL	PLM
10				TACK BOARD CORE - WINDOW	PLM
11				TACK BOARD CORE - WALL	PLM
12				TACK BOARD MASTIC	PLM
13				2x4 Ceiling Tile	PLM
14				Ceiling INSULATION	PLM
15			B2 @ ENTRY	Sheet Floor Core	PLM
16				FLOOR FLOAT	PLM
17				CARPET GLUE	PLM
18			B2	CARPET CORE	PLM
19				COVE MASTIC	PLM
20				TACK BOARD CORE - WALL	PLM
21				TACK BOARD CORE WINDOW	PLM
22				2x4 Ceiling Tile	PLM
23				MOVING WALL CORE	PLM
24			B1	EXPOSED DRYWALL CORE	PLM

*Spoke with PM David to confirm results by (E.O.D. 5/1/24) B.S. 4/29/24

432403922

Asbestos Bulk Sampling – Chain of Custody

W E S T LLC 2820 Carleton Street, #25 San Diego, CA 92106 Tel: 858.271.1842 Tel: 858.271.1856	Project Name: <i>KESCIANSO - Bldg-3 & 4</i>	WEST Contact: David Christy, (619) 571-3987 gowestdc@msn.com	Laboratory to be used: EMSL Analytical City/State: San Diego, California
	Project Location:		

Turn Around Time: *48 hr.*

Relinquished By: (sign / print)	Company	Date / Time	Received By: (sign / print)	Date / Time
David Christy / <i>David Christy</i>	WEST			

Sample #	Date	Area	Sample Location	Sample Description	Analysis Requested
25	4/25/24	B	B1	EXPOSED DRYWALL Core	PLM
26			@RR Under/Gap	12x12 Floor Tile & MASTIC	PLM
27			B1	CARPET CORE	PLM
28				COVE BASE & MASTIC	PLM
29				TACK BOARD Core @ Windows	PLM
30				TACK BOARD Core @ Windows	PLM
31				MOVING WALL Core	PLM
32				2x4 Ceiling Tile	PLM
33		A	EXT. E	WALL STULLO Core	PLM
34			↓ W		PLM
35		B	EXT. E		PLM
36			↓ W		PLM
37		B	Room B2	WALL TACK Adhesive	PLM
38			↓		PLM
39		A	LIBRARY	DRYWALL WALL Core	PLM
40			Photo Rm		PLM
41			LOUNGE		PLM
42			LIBRARY	12x12 Ceiling Tile	PLM
43			Photo Rm		PLM
44			LOUNGE		PLM
45			LIBRARY	CARPET Glue	PLM
46			Photo Rm		PLM
47			↓	CARPET Core	PLM
48			LOUNGE	PLANK FLOOR Core	PLM

[illegible]



WESTERN ENVIRONMENTAL & SAFETY TECHNOLOGIES LLC

“an environmental consulting firm”

Attachment Two:

Limited Lead Based Paint Sampling Report

Professional Environmental Consulting
and Training
Asbestos
Lead
Mold/Healthy Homes



Working for a clean environment
1545 Hotel Circle South, Suite 220
San Diego, CA 92108
(619) 255-1052
info@allstate-services.com
www.allstate-services.com

LEAD-BASED PAINT TESTING REPORT

@

**DEHESA ELEMENTARY SCHOOL
4612 DEHESA ROAD
EL CAJON, CALIFORNIA 92019**

**PREPARED FOR:
MR. DAVE CHRISTY
WESTERN ENVIRONMENTAL & SAFETY TECHNOLOGY
2825 CARLETON STREET, #25
SAN DIEGO, CALIFORNIA 92106**

**PREPARED BY:
STACEY J. MILANO
INSPECTOR/ASSESSOR
CERTIFICATION #LRC-00000083**

APRIL 29, 2024

Professional Environmental Consulting
and Training
Asbestos
Lead
Mold/Healthy Homes



Working for a clean environment
1545 Hotel Circle South, Suite 220
San Diego, CA 92108
(619) 255-1052
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www.allstate-services.com

April 29, 2024

Mr. David Christy
Western Environmental Services
2825 Carleton Street, #25
San Diego, California 92106

RE: Lead-based paint testing at Dehesa Elementary School, 4612 Dehesa Road, El Cajon,
California 92019

Dear Mr. Christy:

In accordance with your request and authorization, Allstate Services LLC. conducted lead-based paint testing at Dehesa Elementary School located at 4612 Dehesa Road in El Cajon, California on April 25, 2024. Nicholas Milano, a California Certified Lead Sampling Technician, under the direction of Stacey J. Milano, a California Certified Lead Inspector/Assessor, conducted the on-site work. Please note that only selected areas of Buildings A and B were tested at this time.

If you need any further assistance after reviewing your report, please do not hesitate to contact me. Allstate Services LLC remains available to assist you in any way possible.

Sincerely,

Stacey J. Milano
CDPH Inspector/Assessor #LRC-00000083

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Appendices

- A. Positive Summary Report
- B. Detailed XRF Testing Results
- C. Inspector/Assessor Certifications
- D. CDPH Form 8552 - Lead Hazard Evaluation Report

1.0 TESTING METHODOLOGY

Lead-based paint testing was conducted using portable x-ray fluorescence (XRF) spectrum analyzer, SciAps, X-550 pb. The X-550 pb is calibrated to measure the L-shell x-ray emissions of lead. The X-550 pb offers two modes of operations; the “quick” mode which is the preferred mode for most lead testing and the “timed” mode for industrial lead paint testing.

Lead-based paint testing was conducted in accordance with *Title 17, California Code of Regulations, Division 1, Chapter 8, Accreditation, Certification, and Work Practice in Lead Related Construction, Section 36000* and the United States Department of Housing and Urban Developments *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, Chapter 7 Lead-Based Paint Inspections*, as published in June 1995 and revised in 1997.

The purpose of this inspection is to identify surfaces which contain lead-based paint as per California regulations, the *HUD Guidelines and section 403 of the Toxic Substances Control Act*.

The state of California, HUD and the EPA currently define lead-based paint as a paint or other surface coating which contains lead equal to or greater than 1.0 milligrams of lead per square centimeter of surface area (mg/cm^2).

XRF readings were taken using the “Quick” mode of the X-550 pb. The “Quick” mode measurements have no predetermined testing length, and automatically adjust to account for various types of substrates and materials densities. The precision of the XRF readings is proportional to the square root of the number of x-rays counted by the scanner. The longer the test, the higher the level of precision as compared against the set threshold level of $1.0 \text{ mg}/\text{cm}^2$.

In the “quick” mode, the X-550 pb tests until a result is indicated as either positive or negative, compared to the threshold level based on the current precision of the test. Correction for paint matrix and substrate effects is performed automatically. The correction function is based on measurements performed by the manufacturer with NIST paint film standards laid over a variety of substrates typically encountered in construction.

Based on the XRF Performance Characteristic Sheet (PCS) jointly released by HUD and EPA (effective February 1, 2022), there is no inconclusive range and the Threshold is $1.0 \text{ mg}/\text{cm}^2$. Results are classified as positive if they are at or greater than the threshold as listed. Results are classified as negative if they are less than the listed threshold. No substrate correction is required for testing using the “Quick” mode.

XRF readings were made on testing combinations in all room equivalents in an effort to test typical materials which are representative of the room equivalent. Testing combinations were tested non-destructively by holding the X-550 pb against the surface being tested. At each XRF sample location the X-550 pb shutter is opened, and one reading was made using the “Quick” testing mode. Results of each test were read from the digital display of the instrument console and recorded on the Detailed XRF Testing Results attached in Appendix B.

To ensure that the XRF equipment was working properly, various quality control tests were performed before, during and after the on-site work. At the beginning of the work day, three start up validation measurements were made in the “Quick” mode, using the calibration check standard associated with the particular X-550 pb that was used. This painted standard contains a known quantity of lead and allows the XRF operator to determine whether the instrument is functioning within acceptable tolerance ranges for accuracy and precision, as determined by the manufacturer.

In addition to the three start up tests, calibration readings were taken on the red 1.02 mg/cm² Standard Reference Material (SRM) paint film, developed by the National Institute of Standards and Technology (NIST). Results of each reading, along with computed readings averages were recorded on the XRF Calibration Form, and compared against the calibration tolerance range defined the X-550 pb PCS. This calibration check was also performed after four hours and at the end of the day. The quality control tests taken during testing at the subject property were within the acceptable performance range prescribed by the PCS and by the XRF equipment manufacturer. Documentation of the quality control calibration check is included in Appendix B, following the detailed testing data.

The XRF testing orientation and labeling are according to the HUD convention. The “A” side was initially assigned to the direction of the street (front of the house or entrance). Sides “B”, “C”, and “D” were assigned clockwise from the “A” side, starting to the left facing the house. The rooms follow the same orientation as the exterior and are in alignment with the exterior labels.

2.0 BUILDING DESCRIPTION

The property tested is an elementary school building. Only selected areas of buildings A and B were tested at this time. The building exteriors consist of stucco walls, metal door systems, and wood windows. The building interiors contain drywall and ceramic tile walls, metal door systems, and wood and metal window systems.

3.0 LEAD-BASED PAINT FINDINGS

Lead-based paint was found at or above the threshold level of 1.0 mg/cm² on the following components:

- Exterior beam support post
- Interior ceramic tile walls

Please see Appendix A – Positive Summary Report for a complete list of positive components and specific locations.

Disruption of surfaces and removal of deteriorated paint should be carried out using approved lead-safe work practices. EPA’s Renovation, Repair and Painting (RRP) regulations apply when disrupting surface area above de-minimis levels (6 square feet interior or 20 square feet exterior). According to California’s Title 17 Regulations, lead-safe work practices are mandatory when disrupting any amount of lead-based paint.

If surfaces containing lead-based paint become deteriorated, they should be restored to an intact condition by surface preparation and painting in order to comply California Health and Safety Code 17920.10.

Note that if the intent is to permanently reduce a lead, the work would be categorized as abatement and an appropriately certified lead abatement contractor should be used. However, if the intent of the work were to improve the appearance of the surfaces, renovation, repairs or regular maintenance, then the work may be carried out by EPA certified renovators.

Ceramic tile glaze is not classified as a paint or coating and is not considered a hazard if it is intact. However, precautions should be used if it is ever removed or demolished to avoid creating a lead dust hazard.

4.0 CALIFORNIA STATE REQUIREMENTS

Allstate Services is required under California regulations (Title 17, CCR, Division 1, Chapter 8) to notify California Department of Public Health that a lead hazard evaluation survey was conducted at the subject property.

Please see Appendix D for CDPH Form 8552, Lead Hazard Evaluation Report.

5.0 RECOMMENDATIONS

If this building undergoes renovation in the future, personnel performing the construction work should be properly trained in lead-related construction. California regulations define lead-related construction work as, “Construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential, public or commercial building, including preparation and cleanup, which, by using or disturbing lead containing material or soil, may result in significant exposure of individuals to lead.”

California has a certification process for lead related construction workers. To receive a list of certified individuals, you may contact the Lead Accreditation and Certification Unit Hotline at (800) 597-5323.

There are different methods of addressing lead hazards. These methods include:

Abatement -- A measure or set of measures designed to permanently eliminate lead-based paint hazards or lead-based paint. There are different methods of abatement:

Replacement: Removing the old component and installing a new non-lead containing component. Replacement is best suited for components that are easily removed. This includes doors, windows, trim, etc.

Enclosure: Covering a surface with a durable mechanically affixed, dust tight material, such as drywall, paneling, aluminum siding, etc. Enclosure is best used on walls, ceilings, floors, and some exterior components.

Removal: Removing the paint from the substrate. This is accomplished by wet scraping, using power tools with special HEPA vacuum attachments, heat guns, and chemical stripping either on or off site. Paint removal is best suited when a component is to be preserved or when a

component cannot be easily replaced or enclosed. Lead-based paint encapsulant products must have a minimum of twenty years warranty.

Encapsulation: The process that makes lead-based paint inaccessible by providing a barrier between the lead-based paint and the environment. This barrier is formed using a liquid applied coating or an adhesive bonded covering material. Encapsulation is best used on walls and ceilings. Please note that ordinary lead-free paint is not considered an encapsulation.

Interim Controls --A set of measures designed to temporarily reduce human exposure or likely exposure to lead-based paint hazards. Interim controls include specialized cleaning, repairs, maintenance, painting, and temporary containment, ongoing monitoring of lead-based paint hazards or potential hazards and the establishment and operation of management and resident education programs. Interim controls should be used only if full abatement is not feasible. Reducing the hazards can be accomplished by simply keeping the painted surfaces intact and through specialized cleaning methods. If abatement cannot take place soon, interim controls should be implemented and maintained until full abatement can be made.

As previously stated, any activities involving lead hazard control and/or lead abatement must be performed by certified individuals.

6.0 OSHA COMPLIANCE

OSHA Regulations (Title 8 CCR Section 1532.1 and 29 CFR 1926.62) apply to all construction work where an employee may be occupationally exposed to lead, and therefore may be applicable to renovation or demolition projects involving paints with any concentration of lead.

There are many other building materials, which may contain lead in the average building. When conducting construction activities, which disturb lead in any amount or create an exposure to workers, the employer is required to provide worker protection and conduct exposure assessments. All employers should consult Federal OSHA Regulations at 29 CFR 1926.62 and Cal-OSHA Regulations at Title 8, 1532.1, "Lead in Construction" standards for complete requirements.

APPENDIX A
POSITIVE SUMMARY REPORT

POSITIVE XRF SUMMARY REPORT

Dehesa Elementary School - Building A
4612 Dehesa Road, El Cajon, California 92019

Sample	Area	Room Equivalent	Side Tested	Component	Substrate	Color	Condition	Lead (mg/cm ²)	Results	Quantity	Comments
11	Exterior	Building A Exterior	B	Beam Support Post	Metal	Blue	Intact	4.1	Positive	12 Each	
20	Interior	Boys Restroom	A	Wall	Ceramic Tile	Red	Intact	8.2	Positive	50 Ft ²	Not a Painted Surface
29	Interior	Girls Restroom	C	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
**Quantity estimations of leaded materials are provided for budget considerations only and should be verified onsite by bidders.											

POSITIVE XRF SUMMARY REPORT

Dehesa Elementary School - Building B
4612 Dehesa Road, El Cajon, California 92019

Sample	Area	Room Equivalent	Side Tested	Component	Substrate	Color	Condition	Lead (mg/cm ²)	Results	Quantity	Comments
75	Interior	Boys Restroom	A	Wall	Ceramic Tile	Red	Intact	9.1	Positive	50 Ft ²	Not a Painted Surface
83	Interior	Girls Restroom	C	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
95	Interior	Room B1 Girls Restroom	C	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
103	Interior	Room B1 Boys Restroom	A	Wall	Ceramic Tile	Red	Intact	9.1	Positive	50 Ft ²	Not a Painted Surface
119	Interior	Staff Restroom 1	A	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
127	Interior	Staff Restroom 2	C	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
**Quantity estimations of leaded materials are provided for budget considerations only and should be verified onsite by bidders.											

APPENDIX B
DETAILED XRF TESTING RESULTS

DETAILED XRF TESTING RESULTS

Dehesa Elementary School - Building A
4612 Dehesa Road, El Cajon, California 92019

Sample	Area	Room Equivalent	Side Tested	Component	Substrate	Color	Condition	Lead (mg/cm ²)	Results	Quantity	Comments
1	Exterior	Building A Exterior	A	Wall	Stucco	Beige	Intact	0.0	Negative		
2	Exterior	Building A Exterior	B	Wall	Stucco	Beige	Intact	0.0	Negative		
3	Exterior	Building A Exterior	C	Wall	Stucco	Beige	Intact	0.0	Negative		
4	Exterior	Building A Exterior	A	Door	Metal	Blue	Intact	0.0	Negative		
5	Exterior	Building A Exterior	A	Door Frame	Metal	Beige	Intact	0.0	Negative		
6	Exterior	Building A Exterior	A	Library Window Sash	Wood	Beige	Intact	0.9	Negative		
7	Exterior	Building A Exterior	A	Window Frame	Wood	Beige	Intact	0.0	Negative		
8	Exterior	Building A Exterior	B	Fire Extinguisher Cabinet	Wood	Brown	Intact	0.6	Negative		
9	Exterior	Building A Exterior	B	Fascia	Wood	Blue	Intact	0.9	Negative		
10	Exterior	Building A Exterior	C	Downspout	Metal	Blue	Intact	0.0	Negative		
11	Exterior	Building A Exterior	B	Beam Support Post	Metal	Blue	Intact	4.1	Positive	12 Each	
12	Exterior	Building A Exterior	A	Soffit	Stucco	Beige	Intact	0.0	Negative		
13	Exterior	Building A Exterior	B	Gutter	Metal	Blue	Intact	0.0	Negative		
14	Interior	Boys Restroom	A	Wall	Ceramic Tile	Blue	Intact	0.0	Negative		
15	Interior	Boys Restroom	B	Wall	Drywall	White	Intact	0.0	Negative		
16	Interior	Boys Restroom	C	Wall	Ceramic Tile	White	Intact	0.0	Negative		
17	Interior	Boys Restroom	D	Wall	Drywall	White	Intact	0.0	Negative		
18	Interior	Boys Restroom	B	Door	Metal	Gray	Intact	0.0	Negative		
19	Interior	Boys Restroom	B	Door Frame	Metal	White	Intact	0.0	Negative		
20	Interior	Boys Restroom	A	Wall	Ceramic Tile	Red	Intact	8.2	Positive	50 Ft ²	Not a Painted Surface
21	Interior	Boys Restroom	---	Floor	Ceramic Tile	Blue	Intact	0.0	Negative		
22	Interior	Boys Restroom	D	Stall Door	Wood	Blue	Intact	0.0	Negative		
23	Interior	Girls Restroom	A	Wall	Ceramic Tile	White	Intact	0.0	Negative		
24	Interior	Girls Restroom	B	Wall	Drywall	White	Intact	0.0	Negative		
25	Interior	Girls Restroom	C	Wall	Ceramic Tile	Blue	Intact	0.0	Negative		
26	Interior	Girls Restroom	D	Wall	Drywall	White	Intact	0.0	Negative		
27	Interior	Girls Restroom	B	Door	Metal	Gray	Intact	0.0	Negative		
28	Interior	Girls Restroom	B	Door Frame	Metal	White	Intact	0.0	Negative		
29	Interior	Girls Restroom	C	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
30	Interior	Girls Restroom	---	Floor	Ceramic Tile	Blue	Intact	0.0	Negative		
31	Interior	Girls Restroom	C	Window Frame	Wood	Beige	Intact	0.0	Negative		
32	Interior	Girls Restroom	D	Stall Door	Wood	Blue	Intact	0.0	Negative		
33	Interior	Library	A	Wall	Drywall	White	Intact	0.0	Negative		
34	Interior	Library	B	Wall	Drywall	White	Intact	0.0	Negative		
35	Interior	Library	C	Wall	Drywall	White	Intact	0.0	Negative		
36	Interior	Library	D	Wall	Drywall	Blue	Intact	0.0	Negative		
37	Interior	Library	A	Door	Wood	Blue	Intact	0.0	Negative		
38	Interior	Library	A	Door Frame	Wood	Beige	Intact	0.0	Negative		
39	Interior	Library	A	Window Frame	Wood	Beige	Intact	0.0	Negative		
40	Interior	Library	A	Window Sash	Wood	Beige	Intact	0.0	Negative		
41	Interior	DTV Room	A	Wall	Drywall	Beige	Intact	0.0	Negative		
42	Interior	DTV Room	B	Wall	Drywall	Beige	Intact	0.0	Negative		
43	Interior	DTV Room	C	Wall	Drywall	Beige	Intact	0.0	Negative		

DETAILED XRF TESTING RESULTS

Dehesa Elementary School - Building A
4612 Dehesa Road, El Cajon, California 92019

Sample	Area	Room Equivalent	Side Tested	Component	Substrate	Color	Condition	Lead (mg/cm ²)	Results	Quantity	Comments
44	Interior	DTV Room	D	Wall	Drywall	Beige	Intact	0.0	Negative		
45	Interior	DTV Room	A	Door	Wood	Blue	Intact	0.0	Negative		
46	Interior	DTV Room	A	Door Frame	Wood	Beige	Intact	0.0	Negative		
47	Interior	DTV Room	A	Window Frame	Wood	Beige	Intact	0.0	Negative		
48	Interior	Break Room	A	Wall	Drywall	Brown	Intact	0.0	Negative		
49	Interior	Break Room	B	Wall	Drywall	Brown	Intact	0.0	Negative		
50	Interior	Break Room	C	Wall	Drywall	Brown	Intact	0.0	Negative		
51	Interior	Break Room	D	Wall	Drywall	Brown	Intact	0.0	Negative		
52	Interior	Break Room	C	Door	Wood	Blue	Intact	0.0	Negative		
53	Interior	Break Room	C	Door Frame	Wood	Beige	Intact	0.2	Negative		
54	Interior	Break Room	C	Window Frame	Wood	Beige	Intact	0.2	Negative		
55	Interior	Break Room	C	Lower Cabinet	Wood	Beige	Intact	0.1	Negative		

DETAILED XRF TESTING RESULTS

Dehesa Elementary School - Building B
4612 Dehesa Road, El Cajon, California 92019

Sample	Area	Room Equivalent	Side Tested	Component	Substrate	Color	Condition	Lead (mg/cm ²)	Results	Quantity	Comments
56	Exterior	Building B Exterior	A	Wall	Wood	Blue	Intact	0.0	Negative		
57	Exterior	Building B Exterior	B	Wall	Stucco	Beige	Intact	0.0	Negative		
58	Exterior	Building B Exterior	C	Wall	Wood	Blue	Intact	0.0	Negative		
59	Exterior	Building B Exterior	D	Wall	Stucco	Beige	Intact	0.0	Negative		
60	Exterior	Building B Exterior	C	Door	Metal	Blue	Intact	0.0	Negative		
61	Exterior	Building B Exterior	C	Door Frame	Metal	Beige	Intact	0.0	Negative		
62	Exterior	Building B Exterior	D	Beam Support Post	Metal	Blue	Intact	0.0	Negative		
63	Exterior	Building B Exterior	C	Window Frame	Wood	Beige	Intact	0.0	Negative		
64	Exterior	Building B Exterior	C	Downspout	Metal	Beige	Intact	0.3	Negative		
65	Exterior	Building B Exterior	C	Fascia	Wood	Blue	Intact	0.0	Negative		
66	Exterior	Building B Exterior	C	Soffit	Wood	Beige	Intact	0.0	Negative		
67	Exterior	Building B Exterior	C	Gutter	Metal	Blue	Intact	0.0	Negative		
68	Interior	Boys Restroom	A	Wall	Ceramic Tile	Blue	Intact	0.0	Negative		
69	Interior	Boys Restroom	B	Wall	Drywall	White	Intact	0.0	Negative		
70	Interior	Boys Restroom	C	Wall	Ceramic Tile	White	Intact	0.0	Negative		
71	Interior	Boys Restroom	D	Wall	Drywall	White	Intact	0.0	Negative		
72	Interior	Boys Restroom	B	Door	Metal	White	Intact	0.0	Negative		
73	Interior	Boys Restroom	B	Door Frame	Metal	Gray	Intact	0.0	Negative		
74	Interior	Boys Restroom	---	Floor	Ceramic Tile	Blue	Intact	0.0	Negative		
75	Interior	Boys Restroom	A	Wall	Ceramic Tile	Red	Intact	9.1	Positive	50 Ft ²	Not a Painted Surface
76	Interior	Girls Restroom	A	Wall	Ceramic Tile	White	Intact	0.0	Negative		
77	Interior	Girls Restroom	B	Wall	Drywall	White	Intact	0.0	Negative		
78	Interior	Girls Restroom	C	Wall	Ceramic Tile	Blue	Intact	0.0	Negative		
79	Interior	Girls Restroom	D	Wall	Drywall	White	Intact	0.0	Negative		
80	Interior	Girls Restroom	B	Door	Metal	White	Intact	0.0	Negative		
81	Interior	Girls Restroom	B	Door Frame	Metal	White	Intact	0.0	Negative		
82	Interior	Girls Restroom	---	Floor	Ceramic Tile	Blue	Intact	0.0	Negative		
83	Interior	Girls Restroom	C	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
84	Interior	Room B1	C	Door	Metal	Gray	Intact	0.0	Negative		
85	Interior	Room B1	C	Door Frame	Metal	White	Intact	0.0	Negative		
86	Interior	Room B1	A	Window Frame	Metal	Beige	Intact	0.0	Negative		
87	Interior	Room B1	A	Window Sash	Metal	Black	Intact	0.0	Negative		
88	Interior	Room B1 Girls Restroom	A	Wall	Ceramic Tile	White	Intact	0.0	Negative		
89	Interior	Room B1 Girls Restroom	B	Wall	Drywall	White	Intact	0.0	Negative		
90	Interior	Room B1 Girls Restroom	C	Wall	Ceramic Tile	Blue	Intact	0.0	Negative		
91	Interior	Room B1 Girls Restroom	D	Wall	Drywall	White	Intact	0.0	Negative		
92	Interior	Room B1 Girls Restroom	B	Door	Metal	White	Intact	0.0	Negative		
93	Interior	Room B1 Girls Restroom	B	Door Frame	Metal	White	Intact	0.0	Negative		
94	Interior	Room B1 Girls Restroom	---	Floor	Ceramic Tile	Blue	Intact	0.0	Negative		
95	Interior	Room B1 Girls Restroom	C	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
96	Interior	Room B1 Boys Restroom	A	Wall	Ceramic Tile	Blue	Intact	0.0	Negative		
97	Interior	Room B1 Boys Restroom	B	Wall	Drywall	White	Intact	0.0	Negative		
98	Interior	Room B1 Boys Restroom	C	Wall	Ceramic Tile	White	Intact	0.0	Negative		

DETAILED XRF TESTING RESULTS

Dehesa Elementary School - Building B
4612 Dehesa Road, El Cajon, California 92019

Sample	Area	Room Equivalent	Side Tested	Component	Substrate	Color	Condition	Lead (mg/cm ²)	Results	Quantity	Comments
99	Interior	Room B1 Boys Restroom	D	Wall	Drywall	White	Intact	0.0	Negative		
100	Interior	Room B1 Boys Restroom	B	Door	Metal	White	Intact	0.0	Negative		
101	Interior	Room B1 Boys Restroom	B	Door Frame	Metal	Gray	Intact	0.0	Negative		
102	Interior	Room B1 Boys Restroom	---	Floor	Ceramic Tile	Blue	Intact	0.0	Negative		
103	Interior	Room B1 Boys Restroom	A	Wall	Ceramic Tile	Red	Intact	9.1	Positive	50 Ft ²	Not a Painted Surface
104	Interior	Room B2	C	Door	Metal	Gray	Intact	0.0	Negative		
105	Interior	Room B2	C	Door Frame	Metal	White	Intact	0.0	Negative		
106	Interior	Room B2	A	Window Frame	Metal	Beige	Intact	0.0	Negative		
107	Interior	Room B2	A	Window Sash	Metal	Black	Intact	0.0	Negative		
108	Interior	Room B3	C	Door	Metal	Gray	Intact	0.0	Negative		
109	Interior	Room B3	C	Door Frame	Metal	White	Intact	0.0	Negative		
110	Interior	Room B3	A	Window Frame	Metal	Beige	Intact	0.0	Negative		
111	Interior	Room B3	A	Window Sash	Metal	Black	Intact	0.0	Negative		
112	Interior	Staff Restroom 1	A	Wall	Ceramic Tile	Blue	Intact	0.0	Negative		
113	Interior	Staff Restroom 1	B	Wall	Drywall	White	Intact	0.0	Negative		
114	Interior	Staff Restroom 1	C	Wall	Ceramic Tile	White	Intact	0.0	Negative		
115	Interior	Staff Restroom 1	D	Wall	Drywall	White	Intact	0.0	Negative		
116	Interior	Staff Restroom 1	D	Door	Metal	White	Intact	0.0	Negative		
117	Interior	Staff Restroom 1	D	Door Frame	Metal	Gray	Intact	0.0	Negative		
118	Interior	Staff Restroom 1	---	Floor	Ceramic Tile	Blue	Intact	0.0	Negative		
119	Interior	Staff Restroom 1	A	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface
120	Interior	Staff Restroom 2	A	Wall	Ceramic Tile	White	Intact	0.0	Negative		
121	Interior	Staff Restroom 2	B	Wall	Drywall	White	Intact	0.0	Negative		
122	Interior	Staff Restroom 2	C	Wall	Ceramic Tile	Blue	Intact	0.0	Negative		
123	Interior	Staff Restroom 2	D	Wall	Drywall	White	Intact	0.0	Negative		
124	Interior	Staff Restroom 2	D	Door	Metal	White	Intact	0.0	Negative		
125	Interior	Staff Restroom 2	D	Door Frame	Metal	Gray	Intact	0.0	Negative		
126	Interior	Staff Restroom 2	---	Floor	Ceramic Tile	Blue	Intact	0.0	Negative		
127	Interior	Staff Restroom 2	C	Wall	Ceramic Tile	Red	Intact	9.2	Positive	50 Ft ²	Not a Painted Surface

ALLSTATE SERVICES LLC.
XRF CALIBRATION FORM

Address: Dehesa Elementary School, 4612 Dehesa Road El Cajon, California 92019

Device: SciAps X-550

Date: April 25, 2024

Inspector: Nicholas Milano/Stacey J. Milano

Calibration Check Tolerance Used: 0.8 mg/cm² - 1.2 mg/cm² (Inclusive)
Use Level III (1.02 mg/cm²) NIST SRM Paint film

First Calibration Check

Time: 2:20 p.m.

1 st Reading	2 nd Reading	3 rd Reading	1 st Average
1.1	1.0	1.0	1.03

Second Calibration Check

Time: 4:00 p.m.

1 st Reading	2 nd Reading	3 rd Reading	2 nd Average
1.0	1.0	1.0	1.0

Third Calibration Check (If Needed)

Time: _____

1 st Reading	2 nd Reading	3 rd Reading	3 rd Average

APPENDIX C
INSPECTOR CERTIFICATIONS



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Nicholas Milano

CERTIFICATE TYPE:

Lead Sampling Technician

NUMBER:

LRC-00004942

EXPIRATION DATE:

4/10/2025

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



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Stacey Milano

CERTIFICATE TYPE:

Lead Project Monitor
Lead Project Designer
Lead Inspector/Assessor
Lead Supervisor

NUMBER:

LRC-00000085
LRC-00000084
LRC-00000083
LRC-00000082

EXPIRATION DATE:

5/3/2025
5/3/2025
5/3/2025
5/3/2025

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

APPENDIX D
CDPH FORM 8552 - LEAD HAZARD EVALUATION
REPORT

LEAD HAZARD EVALUATION REPORT**Section 1 — Date of Lead Hazard Evaluation** 4/25/2024**Section 2 — Type of Lead Hazard Evaluation (Check one box only)**☐ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☒ Other (specify) Limited Lead Testing**Section 3 — Structure Where Lead Hazard Evaluation Was Conducted**

Address [number, street, apartment (if applicable)]		City	County	Zip Code
Dehesa Elementary School, 4612 Dehesa Road		El Cajon	San Diego	92019
Construction date (year) of structure	Type of structure		Children living in structure?	
Prior to 1978	<input type="checkbox"/> Multi-unit building <input checked="" type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	

Section 4 — Owner of Structure (if business/agency, list contact person)

Name		Telephone number	
Contact: Western Environmental & Safety Tech. C/O Mr. Dave Christy		858-271-1842	
Address [number, street, apartment (if applicable)]		City	State
2825 Carleton Street, #25		San Diego	California
			Zip Code
			92106

Section 5 — Results of Lead Hazard Evaluation (check all that apply)☐ No lead-based paint detected ☒ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected
☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other**Section 6 — Individual Conducting Lead Hazard Evaluation**

Name		Telephone number	
Stacey J. Milano		619-255-1052	
Address [number, street, apartment (if applicable)]		City	State
1545 Hotel Circle South, Suite 220		San Diego	California
			Zip Code
			92108
CDPH certification number	Signature		Date
LRC-00000083	<i>Stacey J. Milano</i>		4/29/24

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Nicholas Milano, Lead Sampling Technician #LRC-00004942

Section 7 — Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656



WESTERN ENVIRONMENTAL & SAFETY TECHNOLOGIES LLC

Asbestos Abatement Plan Dehesa Elementary School – Buildings 2 & 3

5/2/2024

General Information

Owner: Dehesa School District, 4612 Dehesa Road, El Cajon, Ca. 92019

Owner Point of Contact: Eric Berg, SDCOE – School Facility Planning Specialist

Areas of Construction: Dehesa Elementary School – Buildings 2 (A) and 3 (B)

Initial Asbestos Sampling Completed by: Western Environmental & Safety Technologies LLC – Report dated 4/25/24.

Known Asbestos containing materials (ACM / ACBM)

- **Asbestos Sheet Flooring and Mastic**

Found under carpet at entry's of building B (3 rooms) 20% - 25% Chrysotile asbestos:

All older / original sheet flooring is asbestos containing.

- **Asbestos Fire Doors**

Found Throughout the building. Assumed Asbestos:

All door insulation is assumed asbestos containing.
time of original survey.

Any building materials not listed within this sampling report for the referenced locations, whether outside sampling scope of work or newly discovered, shall be assumed to be asbestos containing greater than 1%. Additional investigation and sampling are recommended for these types of unreported materials. Asbestos bulk sampling and inspection services must be completed by State of California Certified personnel (Site Surveillance Technician or Certified asbestos Consultant). All laboratory analysis and reporting must be completed by a licensed and certified laboratory facility.

General Scope of Work Information

This plan has been specifically designed for the removal of asbestos materials (ACM, ACBM, ACCM). This plan will be followed for asbestos abatement needs for building materials that will be impacted by this project. The abatement contractor is to field verify all conditions and quantities of the asbestos containing building materials that are outlined for removal.

The contractor will submit a proper 10-day APCD regulatory notification (asbestos removal) for this project.

References

American National Standards Institute (ANSI)	
ANSI Z9.2 1979 (R1991)	Fundamentals Governing the Design and Operation of Local Exhaust Systems
ANSI Z88.2	1992 Respiratory Protection
ASTM D 1331	Surface and Interfacial Tensions of Solutions of Surface-Active Agents
ASTM E 1368	Visual Inspection of Asbestos Abatement Projects

Code of Federal Regulations (CFR)

29 CFR 1926.103	Respiratory Protection
29 CFR 1926.51	Sanitation
29 CFR 1926.200	Accident Prevention Signs and Tags
29 CFR 1926.33	Access to Medical Records
29 CFR 1926.59	Hazard Communication
29 CFR 1926.1101	Asbestos
40 CFR 61-SUBPART A	General Provisions
40 CFR 61-SUBPART M	National Emission Standard for Asbestos
40 CFR 763	Asbestos Containing Material in Schools
Underwriters Laboratories Inc.	UL 586 1990 High-Efficiency Particulate Air
EPA 560/5-85-024	Guidance For Controlling Asbestos Containing Materials in Buildings
California Code of Regulations, Title 8, General Industry Safety Orders	- Cal OSHA requirements for Contractors performing asbestos removal.

Definitions of ACM

Different regulatory agencies and different regulations contain different definitions for a material that contains asbestos. The definitions are similar but different based upon the context in which the definition was created. The following are common definitions found in asbestos regulations.

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 Safety Plan

The asbestos removal contractor will comply with the general safety procedures that are already in place by the owner and/or general contractor.

Contractor Certification Requirements

The contractor performing the abatement will be certified through State of California D.O.S.H. and will also hold a Contractors State License Certification for Asbestos (ASB). All employees of the contractor will be AHERA certified asbestos removal workers, under the full time on-site direction of an AHERA certified asbestos removal supervisor. The on-site certified supervisor will have a minimum of 2 years practical experience. The contractor will adhere to and maintain all other local, state and federal requirements regarding licensing, certifications, and removal practices.

General Schedule of Work

The contractor shall conduct all asbestos removal during owner approved hours Monday – Friday, and will complete the asbestos removal as outlined within this work plan as stipulated by the owner. The work that is taking place will be properly signed and barricaded at a safe distance from other trades and district staff so to avoid interfacing conflicts. This is further outlined in the plan with area set up information, asbestos warning signs, and air sampling. No other trades will be permitted to enter the asbestos control areas until they are released by WEST.

Prior to commencement of work:

As required, notification in writing of proposed asbestos work, with copy to the Owner, the EPA Regional Office, OSHA or OSHA Regional Office, local air pollution agency, and local authority with responsibility for enforcement of occupational health and safety regulations and enforcement of NESHAP regulation and with jurisdiction within the State of California.

**Abatement Contractor Submittals****PRE-START MEETING SUBMITTALS**

Submit to the owner a minimum of 10 days prior to the pre-start meeting the following for review and approval. Meeting this requirement is a prerequisite for the pre-start meeting for this project:

- A. Submit a detailed work schedule for the entire project reflecting contract documents and the phasing/schedule requirements, asbestos removal procedures, asbestos disposal procedures.
- B. Submit a staff organization chart showing all personnel who will be working on the project and their capacity/function. Provide their qualifications, training, accreditations, and licenses, medical releases, respirator fit test's, as appropriate.
- C. Submit Asbestos Hazard Abatement Plan developed specifically for this project, incorporating the requirements of the specifications, prepared, signed and dated by the contractor's competent person.
- D. Submit the specifics of the materials and equipment to be used for this project with manufacturer names, model numbers, performance characteristics, pictures/diagrams, and number available for the following:
 1. Negative air machines, HEPA vacuums, air monitoring pumps, calibration devices, pressure differential monitoring device and emergency power generating system.
 2. Waste water filtration system, shower system, containment barriers.
 3. Encapsulants, surfactants, hand held sprayers, airless sprayers, and fire extinguishers.
 4. Respirators, protective clothing, personal protective equipment.
 5. Fire safety equipment to be used in the regulated area.
 6. Fall protection program, training, and equipment.
- E. Submit the name, location, and phone number of the approved landfill; proof/verification the landfill is approved for ACM disposal; the landfill's requirements for ACM waste; the type of vehicle to be used for transportation; and name, address, and phone number of subcontractor, if used. Proof of asbestos training for transportation personnel shall be provided.
- F. Submit required notifications and arrangements made with regulatory agencies having regulatory jurisdiction and the specific contingency/emergency arrangements made with local health, fire, ambulance, hospital authorities and any other notifications/arrangements.
- G. Submit the name, location and verification of the laboratory and/or personnel to be used for analysis of air and/or bulk samples. Personal air monitoring must be done in accordance with OSHA 29 CFR 1926.1101(f) and Appendix A.
- H. Submit qualifications verification: Submit the following evidence of qualifications. Make sure that all references are current and verifiable by providing current phone numbers and documentation.
 1. Asbestos Abatement Company: Project experience within the past 3 years (6 projects); listing projects first most similar to this project: Project Name; Type of Abatement; Duration; Cost; Reference Name/Phone Number; Final Clearance; and Completion Date
 2. List of project(s) halted by owner, A/E, IH, regulatory agency in the last 3 years: Project Name; Reason; Date; Reference Name/Number; Resolution
 3. List asbestos regulatory citations (e.g., OSHA), notices of violations (e.g., Federal and state EPA), penalties, and legal actions taken against the company including and of the company's officers (including damages paid) in the last 3 years. Provide copies and all information needed for verification.



- I. Submit information on personnel: Provide a resume; address each item completely; copies of certificates, accreditations, and licenses. Submit an affidavit signed by the contractor's competent person stating that all personnel submitted below have medical records in accordance with OSHA 29 CFR 1926.1101(m) and 29 CFR 1910.20 and that the company has implemented a medical surveillance program and written respiratory protection program, and maintains recordkeeping in accordance with the above regulations. Submit the phone number and doctor/clinic/hospital used for medical evaluations.
 1. Competent Person(s)/Supervisor(s): Number; names; social security numbers; years of abatement experience as Competent Person/Supervisor; list of similar projects in size/complexity as Competent Person/Supervisor; as a worker; certificates, licenses, accreditations; proof of AHERA/OSHA specialized asbestos training; maximum number of personnel supervised on a project; medical opinion (asbestos surveillance and respirator use); and current respirator fit test.
 2. Workers: Numbers; names; social security numbers; years of abatement experience; certificates, licenses, accreditations; training courses in asbestos abatement and respiratory protection; medical opinion (asbestos surveillance and respirator use); and current respirator fit test.
 - a) Contractor and all supervisors shall have completed a four-day, EPA approved training course.
 - b) Asbestos abatement workers shall have completed a three-day, EPA approved training course.
 - c) All training, medical examinations, and respirator fit-testing shall conform to 8 CAL CODE OF REGULATIONS 5208 as well as 40 CFR, Part 763, Appendix C to Subpart E as applicable.
 - d) Submit documentation to the Owner that sixty (60) percent of the work force (exclusive of job foremen, superintendents, etc.) have at least one year's experience in asbestos abatement work.
 - e) Submit documentation to the Owner that sixty (60) percent of the project foremen, superintendents have had at least two year's experience in asbestos abatement work.
- J. Submit copies of State license for asbestos abatement; copy of insurance policy, including exclusions with a letter from agent stating in plain language the coverage provided and the fact that asbestos abatement activities are covered by the policy; information on who provides your training, how often; who provides medical surveillance, how often; who performs and how is personal air monitoring of abatement workers conducted; a list of references of independent laboratories/IH's familiar with your asbestos removal work activities.
- K. Rented equipment must be decontaminated prior to returning to the rental agency.
- L. Submit, before the start of work, the manufacturer's technical data for all types of encapsulants, all MSDS, and application instructions.

Submittal Review & Approval Process

- A. Deliver to the owner two (2) original copies of submittal.
- B. All submittals shall be submitted in hard-cover, three-ring, loose leaf binders, properly indexed with tabs separating each section.
- C. Comply with progress schedule for a timely submission of submittals as they relate to work progress. Coordinate submittal of related items.
- D. Contractor shall review, sign and approve submittals, with notes required for his approval, prior to submittal to Consultant.
- E. After Consultant's review of submittals, revise and resubmit if required.
- F. Distribute copies of reviewed submittals to appropriate sub-trades and/or suppliers.



Submittals Required During Asbestos Abatement

- A. The Competent Person shall maintain and submit a daily log at the regulated area documenting the dates and times of the following: purpose, attendees and summary of meetings; all personnel entering/exiting the regulated area; document and discuss the resolution of unusual events such as barrier breeching, equipment failures, emergencies, and any cause for stopping work; representative air monitoring and results (personal samples). Submit this information daily to the owners IH.
- B. The contractor's competent person shall document and maintain the inspection and approval of the regulated area preparation prior to start of work and daily during work.
 1. Removal of any poly barriers.
 2. Visual inspection/testing by the IH prior to application of lockdown encapsulant.
 3. Packaging and removal of asbestos waste from regulated area.
 4. Disposal of friable ACM, PACM and ACM waste materials; copies of Waste Shipment Records/landfill receipts to the owner's representative on a weekly basis.

Submittals Required at Completion of Abatement

- A. The contractor's competent person shall submit a project report consisting of the daily log book requirements and documentation of events during the abatement project including Waste Shipment Records signed by the landfill's agent. It will also include information on the containment and transportation of waste from the containment with applicable Chain of Custody forms. The report shall include a certificate of completion. All personnel samples must be submitted.

General Utility Services Available

- Water - Existing service is available for the Contractor's use.
- Electrical Service - Existing service is available for the Contractor's use.

Asbestos Abatement – Preparation of Work Area

Preparation of Work Area

When and where required, provide temporary power and lighting and ensure safe installation of temporary power source and equipment per applicable electrical code requirements and provide safety lighting and ground fault circuit interrupter (GFCI) as power source for electrical equipment.

Asbestos materials – known / assumed

- **Asbestos Sheet Flooring and Mastic**
Found under carpet at entry's of building B (3 rooms). 20% - 25% Chrysotile asbestos:
All older / original sheet flooring is asbestos containing.
- **Asbestos Fire Doors**
Found Throughout the building. Assumed Asbestos:
All door insulation is assumed asbestos containing.
time of original survey.



Asbestos Removal Setup Procedures / Requirements

Asbestos Sheet Flooring and Asbestos Floor Mastic (ACBM)

The contractor is to follow all EPA, DOSH, and OSHA / guidelines as it relates to this material including but not limited to California Code of Regulations, Title 8, Section 1529. The asbestos flooring will be removed prior to demolition / construction activities by a DOSH certified contractor.

All layers of sheet flooring will be removed as part of this project. The asbestos flooring and asbestos floor mastics are to be properly removed and disposed as outlined. The removal of all fixed objects that becomes necessary during the asbestos flooring removal to expose all asbestos flooring materials will be completed at the removal contractors' expense. The removed fixed objects and debris will be stored in an approved area as designated by the owner.

When there is asbestos flooring under other floorings, all layers of flooring will be removed and disposed of asbestos containing. The contractor is required to remove all layers of flooring encountered during this project as asbestos containing. There may be multiple layers of flooring to be removed as part of this project. The contractor is to field verify the number of layers of floor tile and floor tile mastic to be removed prior to bid submittal. **No additional time or financial compensation will be provided by the owner to the abatement contractor based on the number of flooring layers encountered.**

For removal of the asbestos sheet flooring, block and seal openings where the release of airborne asbestos fibers can be expected. Seal off all openings including but not limited to windows, doors, duct openings, air vents, and any other penetrations to the work areas with 2 overlapping layers of 6 mil polyethylene sealed with duct tape. Install full walls with 1 layer of 6 mil polyethylene sealed with duct tape. Provide a 3-stage decontamination unit, contiguous to the work area (see decontamination enclosure system in this work plan for details).

The material will be removed wet (following the NESHAP Adequately Wet Guidance Manual) using non-motorized manual labor heavy bars and single bagged in 6-mil clear bags while within the containment area. The waste will be loaded out to the waste load out area and it will be placed within a second disposal bag, and then loaded through the waste load and placed into a lined and signed and locked disposal dumpster prior to the end of each daily shift. The friable waste stream generated by the flooring removal will be disposed of at an approved landfill.

After the sheet flooring has been removed from containment, floor mastic will be removed utilizing a chemical removal process adhering to the San Diego County APCD floor mastic removal compliance rules for type of approved solvents, licensing, and daily usage requirements. The mastic material will be removed wet using the pre-approved mastic removal solvent and single bagged in 6-mil asbestos labeled bags while within the containment area for waste disposal. For mastic located on a wood sheeting sub-floor, remove the entire section of wood sheeting using the pre-approved removal methods and "burrito wrap" the waste in 6-mil poly while within the containment area for waste disposal. The waste will be loaded out to the waste load out area and it will be placed within a second labeled disposal bag. The double bagged mastic waste will then be loaded through the waste load out area and placed into a lined, signed and locked disposal dumpster prior to the end of each daily shift. The mastic waste will be properly disposed of as RACM disposal for mechanical means.

The friable waste streams generated from this project will be properly segregated for on-site storage and disposal. All work areas will be properly marked and signed with asbestos caution tape and bilingual warning signs conforming with 29 CFR 1926.200 & 29 CFR 1926.1101. The asbestos control areas will be located 10' from all asbestos removal.

Assumed Asbestos Fire Door Insulation (Contractor to check all doors)

Fire Door Insulations Assumed: All Doors

The following will apply as it relates to the potential of the doors to be removed to contain asbestos insulation: The contractor will remove door hardware on all doors at the school site for the buildings scheduled for renovation for any door that is scheduled to be removed. The owner's representative will inspect all doors for the presence of asbestos door insulation prior to demolition once the doors are exposed. All doors are to be assumed to be asbestos insulated until released by the owner's representative as non-asbestos insulated. As needed, remove asbestos insulated fire doors following this specification. Demarcate the entire perimeter of the area a minimum of 10 feet from the base of the structure using asbestos warning tape, delineators, and signs. Place a six-mil poly drop cloth at the base of the door being removed. Remove all asbestos insulated fire doors from the door hinges being careful not to damage the fire door. The door hardware will be removed also using care to not disturb asbestos insulation found within the fire doors. Store all door hardware as directed. The fire doors will be "burrito wrapped" in six mil poly, place asbestos warning stickers on the wrapped doors, and place the wrapped doors within a lined asbestos disposal dumpster. Waste will be disposed of as friable asbestos waste. The friable waste will be disposed of at an EPA approved landfill that accepts friable asbestos waste (RACM). All work areas will be properly marked and signed with asbestos caution tape and bilingual warning signs conforming with 29 CFR 1926.200 & 29 CFR 1926.1101. The asbestos control areas will be located 10' from all asbestos removal.

Daily site view and clean-up procedures - Asbestos Removal Operations

Each day, at the end of each shift during this project, the asbestos removal contractor will conduct a site review and cleanup of all interior and exterior work areas of the project site. This will include work areas for all of the on-site trades providing on-site services near or around the asbestos containing materials as listed within this specification. Any asbestos building material debris as called out within this specification that is encountered during the end of shift walkthrough will be promptly cleaned using wet methods and thoroughly HEPA vacuumed. WEST will be notified by the asbestos abatement contractor's on-site competent person (supervisor) on a daily basis of any asbestos debris encountered and cleaned.

Personnel Decontamination Facility (PDF)

(Three stage - PDF)

Required for Floor Tile and Mastic Removal, and Interior Drywall Removal.

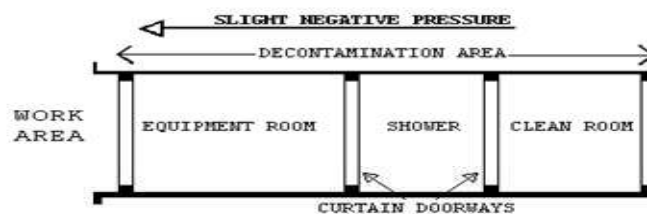
1. Clean Room: The clean room must be physically and visually separated from the rest of the building to protect the privacy of personnel changing clothes. The clean room shall be constructed of at least 3 layers of 6 mil opaque poly to provide an airtight room. Provide a minimum of a 3-foot wide 6 mil poly opaque doorways. One doorway shall be the entry from outside the PDF and the second doorway shall be to the shower room of the PDF. The floor of the clean room shall be maintained in a clean, dry condition. Shower overflow shall not be allowed into the clean room. Provide 1 storage locker per person. A portable fire extinguisher, minimum 10 pounds capacity, Type ABC, shall be provided in accordance with OSHA and NFPA Standard 10. All persons entering the regulated area shall remove all street clothing in the clean room and dress in disposable protective clothing and respiratory protection. Any person entering the clean room does so either from the outside with street clothing on or is coming from the shower room in nylon shorts and thoroughly washed. Females required to enter the regulated area shall be ensured of their privacy throughout the entry/exit process by posting guards at both entry points to the PDF so no male can enter or exit the PDF during her stay in the PDF.

2. Shower Room: The Competent Person shall assure that the shower room is a completely watertight compartment to be used for the movement of all personnel from the clean room to the equipment room and for the showering of all personnel going from the equipment room to the clean room. Each shower shall be constructed so water runs down the walls of the shower and into a drip pan. Install a freely draining smooth floor on top of the shower pan. The shower room shall be separated from the rest of the building and from the clean room and equipment room using airtight walls made from at least 3 layers of 6 mil opaque poly. The shower shall be equipped with a shower head and controls, hot and cold

water, drainage, soap dish and continuous supply of soap, and shall be maintained in a sanitary condition throughout its use. The controls shall be arranged so an individual can shower without assistance. Provide a flexible hose shower head, hose bibs and all other items shown on Shower Schematic. Wastewater will be pumped to a drain after being filtered through a minimum of a 100 micron sock in the shower drain; a 20 micron filter; and a final 5 micron filter. Filters will be changed a minimum of daily or more often as needed. Filter changes must be conducted in the shower to prevent loss of contaminated water. Hose down all shower surfaces after each shift and clean any debris from the shower pan. Residue is to be disposed of as asbestos waste.

3. **Equipment Room:** The contractor shall provide an equipment room which shall be an airtight compartment for the storage of work equipment/tools, reusable personal protective equipment, except for a respirator and for use as a gross decontamination area for personnel exiting the regulated area. The equipment room shall be separated from the regulated area by a minimum 3 foot wide door made with 2 layers of 6 mil opaque poly. The equipment room shall be separated from the regulated area, the shower room and the rest of the building by airtight walls and ceiling constructed of a minimum of 3 layers of 6 mil opaque poly. Damp wipe all surfaces of the equipment room after each shift change. Provide an additional loose layer of 6 mil poly per shift change and remove this layer after each shift. If needed, provide a temporary electrical sub-panel equipped with GFCI in the equipment room to accommodate any equipment required in the regulated area.

4. The PDF shall be as follows: Clean room at the entrance followed by a shower room followed by an equipment room leading to the regulated area. Each doorway in the PDF shall be a minimum of 2 layers of 6 mil opaque poly.



Requirements Prior to Commencement of Abatement

- Submittals are pre-approved. Including an asbestos removal work plan submitted by the abatement contractor.
- Arrangements have been made for disposal of all asbestos waste at an acceptable site approved for asbestos waste. (Both friable and non-friable asbestos waste generated from this project)
- Notification has been made to the proper regulatory agencies as required. (APCD, OSHA)
- Arrangement have been made for containing, filtering, and/or disposal of wastewater resulting from showering and other abatement activities such as bag wash down and containment wall / floor washing.
- Work areas and decontamination enclosure systems are effectively segregated.
- Leak test has been conducted on dumpster or container.
- Tools, equipment and material waste receptacles are on site.
- All other preparatory steps have been taken and applicable notices posted, and permits obtained as required.
- A visitor and employee log in/log out system is in place at the job site. All persons entering the site will be required to sign in and sign out. All employees and visitors must present evidence of respirator training and fit testing along with a physician's approval to wear the respirator prior to entry into any restricted abatement area.

Asbestos Abatement: Order of Operations

Work shall progress in the following order of operations:

- Site preparation as described above.
- Continually spray material with a wetting agent
- Removal of all asbestos materials as outlined
- Double bag or wrap all asbestos waste in 2 disposal bags or 2 layers of six mil poly.
- Wet clean / wash down all areas where the asbestos materials were removed.



- Wet clean all containment poly used in the set up of the asbestos removal areas.
- HEPA vacuum all areas where the asbestos materials were removed.
- Visual inspection by the WEST
- Collection of Final Clearance Samples (collected by WEST)
- Remove polyethylene sheeting where applicable. (upon passing visual and final air clearance)
- Clean up site.
- Waste disposal

Abatement Procedures / Environmental Control

Spray the asbestos materials with a mist of a wetting agent using spray equipment capable of providing a low-pressure application to reduce the release of fibers while in the asbestos removal area. Saturate the material sufficiently to wet it to the substrate without causing excess drippings prior to the removal.

Ensure all abatement activities are conducted in accordance with all local, regional, state and federal rules, regulations and directives (i.e., Environmental Protection Agency [EPA], Occupational Safety and Health Administration [OSHA], and California OSHA [Cal/OSHA]).

Remove saturated asbestos material within the work areas. Double wrap all disposal bags and glove bags with second container or bag for transport. Material shall not be allowed to dry out prior to double bagging and placing in the disposal dumpster.

Adhere to disposal authorities' size and weight requirements for containers (bags or packages).

All asbestos waste and contaminated material which has been bagged or wrapped in the work areas cannot be allowed to accumulate; all bagged or wrapped material must be placed in the dumpster or removed off site daily.

Bagged or wrapped material will be removed to waste bag-out area separate from the actual removal but still within the asbestos control / boundried area. Re-bag or re-wrap all material in a second 6-mil poly bag. Clean external surfaces of bags by wet sponging and place caution labels on containers in accordance with OSHA regulations 29 CFR 1926.1101.

Respiratory Protection

Provide workers with clean and properly maintained respiratory equipment approved by the National Institute of Occupational Safety & Health (NIOSH) and the Mine Safety & Health Administration (MSHA) as specified in 29 CFR 1910.134. If personal and area fiber levels are below 0.1 fiber/cc, air-purifying respirators equipped with HEPA filters may be employed. When employed, the Contractor shall provide a sufficient quantity of filters during the workday. The respirator filters shall be stored at the job site in the change room and shall be totally protected from exposure to asbestos prior to their use.

Single-use or disposable respirators will not be permitted. The contractor may start work in a North 7700 series, half-face negative pressure respirator equipped with a HEPA filter. This is based on numerous other asbestos removal projects with similar scopes of work where satisfactory protection was achieved.

Protective Clothing

Provide workers with sufficient sets of protective full body clothing. Such clothing shall consist of full body coveralls and headgear. Provide eye protection and hard hats as required by applicable safety regulations.

Non-disposable type protective footwear shall be left in the contaminated equipment room / regulated area until the end of the asbestos abatement work, at which time such items shall be disposed of as asbestos waste, or shall be thoroughly cleaned of all asbestos containing material. Disposable type protective clothing, headgear and footwear may be used and shall be disposed of as asbestos waste. Bare feet will not be permitted. Provide authorized visitors with suitable protective clothing, headgear, eye protection and footwear whenever they are required to enter work areas. A double suit method will be utilized since the removal areas are 1 square foot and a shower system will not be in place.



Worker Protection Procedures

Workers shall be fully protected with respirators and protective clothing immediately prior to the first disturbances of asbestos containing or contaminated materials and until final clean-up is completed. This includes removal of fixtures, ceilings, or anything else which may disturb the asbestos.

Remove street clothes, put on a respirator and clean protective clothing before entering the work area. Before entering the work area from outside the regulated spaces, each worker and authorized visitors shall put on a clean respirator with filters (where required) and dress in clean protective clothing as described in this specification.

Workers shall not eat, drink, smoke or chew gum or tobacco, or utilize sanitary (toilet) facilities at the work site except in established locations **outside** the regulated work areas, and enclosures. Provide and post, the decontamination and work procedures to be followed by workers as described in these specifications.

Environmental, Safety and Health Compliance

Comply with all applicable laws, rules, and regulations of local, state, and federal, authorities regarding handling, storing, transporting and disposing of asbestos waste materials.

Fire and Emergency Response Plan

The contractor will follow and adhere to the Fire and Emergency Response Plan as already employed by the owner. The on-site abatement supervisor to all abatement workers will discuss this during the start-up tailgate safety meeting.

Lock Out – Tag Out

If needed, establish a program consisting of energy control procedures, employee training on the job site to discuss job specific hazards. When the asbestos removal poses a safety risk in relationship to any energized power source, the power will be isolated and locked out by use of a physical device that will be unable to be removed by any unknown party. If an energy source is not capable of being locked out then incorporate a tag-out system. If a tag-out device is used on an energy isolation device which is capable of being locked out, the tag out device shall be attached at the same location that the lock out device would have been attached.

Fall Protection

Engage a fall protection plan / program for the work associated with roofs, ladders, and high reach equipment use which poses a fall safety hazard. The plan shall be enforced by the on-site supervisor in charge of the project. A pre construction safety meeting will be conducted by the on site supervisor and all on site employees to review specific job hazards.

Air Monitoring

Throughout the removal and subsequent cleaning operations, ambient (area) monitoring will be conducted by WEST. Upon completion of all asbestos removal and site cleanup, post asbestos removal air sampling (TEM or PCM – based on type and amount of asbestos removed) will be collected from the interior spaces by WEST. All PCM sample analysis for the work area samples collected will be completed by WEST. All personal air samples collected by the contractor will be analyzed by the laboratory of the contractor's choice, which has been pre-approved by WEST. The contractor's personal air samples will be analyzed at the contractor's expense.

Throughout the removal and subsequent cleaning operation, personal air monitoring shall be conducted by the contractor. Personal breathing zone samples shall be collected on a representative number of abatement employees daily to determine their 8-hour time weighted average (TWA) exposure to asbestos fibers in addition to one 30-minute sample each work shift to determine if the excursion limit (EL) of 1.0 f/cc is exceeded.

Such samples shall be taken in order to establish an 8-hour TWA for each type of employee operation. Personal samples shall be collected at least every four hours. Analytical results of personal air samples will be available in order to supplement ambient air monitoring data. Analytical results will be available on a 24-hour turnaround basis, at pump shut off. The microscopist responsible for asbestos analysis has taken the NIOSH 582 course or equivalent, Sampling and Evaluating Airborne Asbestos Dust, which includes instruction on the NIOSH 7400 procedures.

ALL air monitoring results provided to WEST shall include as a minimum for each sample the following:

-Sample ID	-Laboratory ID	-Date sample taken
-Filter area (in mm ²),	-Flow (in liters/minute)	-Time (in minutes)
-Graticule field area (in mm ²)	-Average count (fibers/field)	-Blank count (fibers/field)
-Fibers/cc	-Date sample was analyzed	-Detection limit for each sample (fibers/cc)
-Location	-Type of activity & employee's name	
-Name of analyst		

Analysis shall be conducted according to 29 CFR 1910.1101, Appendices A and B which describe the OSHA Reference Method and which utilizes the acetone/triacetin sample preparation (or equal) procedures and a phase contrast microscope fitted with the Walton-Beckett eyepiece graticule.

No other trades or unauthorized personnel will access the regulated areas until the area has been release by WEST.

The minimum amount of air samples collected per work area by the contractor will be:
1 30-minute STEL sample per day / 1 personal sample per 4 employees per day (per activity)

Disposal – General Requirements

The following waste generated from this project will be disposed of as RACM (friable):

- Sheet Flooring (all waste associated with this removal)
- Floor Mastics
- HEPA Vacuumed Dust and debris
- Fire door insulation (if discovered)

Dispose of asbestos waste at an approved disposal site in accordance with the requirements of the disposal authority. Submit document citation (manifests) regarding disposal to WEST. All disposal dumpsters used will be properly signed and placard while in use. The RACM waste will be carefully segregated for site storage, manifesting, transport, and disposal purposes. The Friable ACBM / RACM and associated waste generated from this project will be disposed of as friable waste. Friable ACBM / Friable RACM waste, contaminated water, waste debris, bags, must be double bagged or double wrapped in 6 mil polyethylene plastic, printed owner labels attached, and properly goose neck taped and sealed, with a uniform hazardous waste manifest signed and approved by the owner. All asbestos waste generated from this project must be damp when delivered to the disposal site.

A waste disposal dumpster or any EPA approved hazardous waste container system capable of being totally secured can be used for transport to the disposal site. All loads are to be delivered in an enclosed vehicle. Each load must be accompanied by a Uniform Hazardous Waste Manifest. Copies of the Hazardous Waste Manifest shall be provided to the Owner.



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All local, state, and federal requirements regarding disposal will be followed. Prior to disposal, the contractor shall supply all disposal information to the owner for approval. This includes the means of disposal, waste hauler, waste hauler credentials, storage facility to be used, storage facilities credentials, the landfill to be used, and the landfills credentials.

Prepared By:

David Christy

Certified Asbestos Consultant - CAC# 92-0703

Sr. Partner - WEST

Western Environmental & Safety Technologies LLC

2820 Carleton Street #25, San Diego, California 92106

☎ Tel: (858) 271-1842 (office)

☎ Tel: (619) 571-3987 (cell)

☎ FAX: (858) 271-1856

✉ Email: gowestdc@msn.com



WESTERN ENVIRONMENTAL & SAFETY TECHNOLOGIES LLC

Compliance Advisory

COMPLIANCE ADVISORY

NOTICE OF APPLICABILITY OF CALIFORNIA HEALTH AND SAFETY CODE SECTION 42301.6 TO ASBESTOS REMOVAL OPERATIONS CONDUCTED WITHIN 1000 FEET OF A SCHOOL USING ABRASIVE BLASTING EQUIPMENT, BEAD BLASTING EQUIPMENT, OR PORTABLE ASBESTOS MASTIC REMOVAL APPLICATION STATIONS

California Health and Safety Code Section 42301.6 requires the Air Pollution Control Officer to provide public notice of projects that emit hazardous air emissions from District permitted equipment operated within 1000 feet of the outer boundary of a school. Projects that may emit asbestos or other hazardous air emissions from permitted abrasive blasting or bead blasting equipment, and portable asbestos mastic removal application stations, are subject to this requirement. The Air Pollution Control Officer shall, at the permit holder's expense, distribute or mail the public notice to the parents or guardians of children who are enrolled in any school that is located within one-quarter mile of the source and to each address within a radius of 1000 feet of the source.

The attached form must be submitted to the local Air Pollution Control District when asbestos or other hazardous air emissions may be emitted within 1000 feet of a school. The form must be submitted sufficiently in advance of the project's start date to allow the District to distribute or mail the public notice at least 30 days prior to the project's start. The Air Pollution Control Officer shall, at the permit holders' expense, distribute or mail the public notice to the parents or guardians of children enrolled in any school that is located within one-quarter mile of the source and to each address within a radius of 1,000 feet of the source. Late submittal of the form may necessitate a delay in the start of the project.

Chemical Solvents - Notes

1. The asbestos floor mastic from this project can be removed using a floor mastic removal solvent.
2. There does have to be a 45 day notification if the removal solvent has **vapor pressure greater than 0.2 mmHg @ 68 F** as stated on the solvent MSDS sheet and/or the contractors uses greater than 11 gallons per day. This notification is for removal at a school, and must be made to all residence within 1000 feet of the school. Any contractor using a solvent at these levels must also be permitted to do so.
3. A notification does not have to be made to APCD for an asbestos solvent removal technique for the following criteria. a) The contractor uses an APCD approved removal solvent. The solvents on this list which are exempt from permit requirements and public notification are those that have a **vapor pressure less than or equal to 0.2 mmHg @ 68 F**. To claim the exemption, the **daily usage** of these solvents must not exceed **11 gallons**. Daily usage records are required to document this exemption along with a copy of the solvent MSDS.

Lead Paint Specification – Lead Related Construction Work Dehesa Elementary School – Buildings 2 & 3

5/2/2024

General Information

Owner: Dehesa School District, 4612 Dehesa Road, El Cajon, Ca. 92019

Owner Point of Contact: Eric Berg, SDCOE – School Facility Planning Specialist

Areas of Construction: Dehesa Elementary School – Buildings 2 (A) and 3 (B)

Known Lead Paint: Exterior Beam support post.

Known Lead Glazed Ceramic Tiles: Lead ceramic tiles in all restrooms (red)

David Christy, CAC, Senior Partner - WEST
State of California Certified CAC# 92-0703
CDPH Certified Lead Supervisor - S-5463

Western Environmental & Safety Technologies LLC (WEST)
2820 Carleton Street #25, San Diego, California, 92106
Phone: (858) 271-1842 • **fax:** (858) 271-1856 • **email:** gowestdc@msn.com

This project is not a lead abatement project. The lead activities on this project are being conducted due to the upgrade of the restrooms as listed. These areas called out and any estimated quantities listed in the lead sampling report or this specification are merely the consultant's estimate and are to be field verified by the contractor.

The lead removal specification in place for this project is to work in conjunction with all local state, and federal regulations / requirements concerning lead in construction. Contractors are required to follow all local, state, and federal regulations / requirements concerning all aspects of working around lead materials whether stated in the removal specification or not. For any conflict that arises between the lead removal specification and any regulations / requirements, the most current and most stringent will apply.

Since the buildings listed above are undergoing renovation / demolition, **all construction personnel** performing the construction work should be properly trained in lead-related construction. California regulations define lead-related construction work as, “Construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential, public or commercial building, including preparation and cleanup, which, by using or disturbing lead containing material or soil, may result in significant exposure of individuals to lead.”

To also protect against this risk of lead exposure, on April 22, 2008, EPA issued the [Renovation, Repair and Painting Rule](#). It requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in pre-1978 homes, child care facilities and **schools** be certified by EPA and that they use certified renovators who are trained by EPA-approved training providers to follow lead-safe work practices. Individuals can become certified renovators by taking an eight-hour training course from an EPA-approved training provider.

CAL-OSHA Regulations (Title 8 CCR Section 1532.1 and 29 CFR 1926.62) apply to all construction work where an employee may be occupationally exposed to lead, and therefore may be applicable to renovation or demolition projects involving paints with any concentration of lead.

When conducting construction activities, which disturb lead in any amount or that may create an exposure to workers, the employer is required to provide worker protection and conduct exposure assessments. All California employers should consult Cal-OSHA Regulations at Title 8, 1532.1, “Lead in Construction” standards for complete requirements.

PART 1-GENERAL

1.01 RELATED DOCUMENTS

Drawings, Contract Documents, and other Technical Specification sections apply to work of this section.

1.02 Known and Assumed Lead Painted Areas associated with the project.

All paint found within the exterior and interior of this project will be treated as lead paint until released by the owner's representative or WEST. This will include a review of all historical data, current sample results, and negative exposure assessments (NEA). Any present or passed NEA's will be provided by the contractor for the review of the consultant as it relates to work practices around lead.

1.03 SUMMARY OF WORK

A. Perform all planning, administration, execution, and cleaning necessary to safely remove and/or work around lead paint, as required as part of this contract in association with the activities scheduled to take place as indicated in the Contract Documents, exercising due care and utilizing proper protective measures as necessary to prevent personnel exposures and environmental contamination.

B. Identify location of all lead paint to be removed as indicated within the bid specifications and as identified during the pre-construction job walk and outlined in this section.

1.04 SCOPE OF WORK

A. Reference any demolition key notes listed on any of the demolition floor plans if provided by the owner and the lead removal specification for this building. If any demolition activities within this building come within a direct path with any of the lead materials, the contractor will take necessary actions in working in and around the lead materials as listed, following the lead removal specification that is in place. All painted materials will be treated as lead containing whether stated or not within the lead removal specification. Several areas that contain asbestos and have been listed within the asbestos removal specification that has been prepared for this modernization are also painted. Cross reference the asbestos removal specification and the lead paint removal specification for details.

Damage to the paint containing lead is anticipated - reference both the lead specification and the asbestos specification during this project

1. **Remove and properly dispose of lead paint as required. (as required see architects demolition notes and drawings)**
1. **Remove and properly dispose of lead glazed ceramic tiles as required. (as required see architects demolition notes and drawings)**
4. Only as needed, Remove paint which contains any amount of lead (which is in good condition) from lead painted materials only as necessary to provide a clean surface for cutting, welding, or torching.
5. Properly package, characterize, transport and dispose of lead painted materials, paint "chips" and associated debris, cleaning materials and used personal protective equipment.
6. **All building materials with paint attached, construction debris with lead painted building components, lead removal components, all associated removal debris and restroom fixtures from the abatement shall be tested using the WET METHOD (TTLC and then TCLP, and/or STLC) as required for hazardous waste disposal. The collected small debris and paint chips that are to be disposed of by the contractor will most probably be classified as a hazardous waste. Characterize packaged waste prior to removal of waste from the site. All waste stream sampling as listed will to be completed by the removal contractor.**
7. Transport the packaged lead painted waste to an approved landfill and dispose of following disposal requirements based upon profile sampling. (Notify the owner how the waste will be disposed of prior to the waste leaving the site)

8. Perform personnel lead exposure monitoring and biological monitoring as required for the safety of the Contractor's workers.
9. **Lead abatement contractor, shall conduct demolition debris waste sampling prior to disposal of demolition debris containing painted surfaces that are created following this lead abatement plan. (sampling following the State of California waste stream sampling criteria)**
10. The general contractor shall notify all employees and sub-contractors of the presence of lead materials that may be in a direct path of their construction / demolition activities. General lead awareness shall be completed for all personal that may come in contact with lead materials as part of this construction project.

B. Work Not Included.

1. Environmental air monitoring (and clearance sampling - if needed) for the Owner.

1.05 SUBMITTALS

- A. Provide submittals to the Owner's Representative at appropriate times in the execution of the Work to allow for sufficient and prompt review by Owner's Representative. Revise and resubmit as necessary to establish compliance with the specified requirements.
- B. Submit complete bound sets of the submittals as described. Submit separate sets entitled "Pre-Job Submittals" and "Post-Job Submittals".

1.06 WORKSITE CONDITIONS

Worker and Visitor Procedures: The Contractor is hereby advised that the U.S. Government has determined lead to be a POISON. Contractor shall provide workers and visitors with respirators which, as a minimum, shall meet the requirements of OSHA and protective clothing during preparation of system of enclosures, prior to commencing, during actual lead removal, and until final clearance tests are accepted.

1.07 WORKER PROTECTION

It is the responsibility of the Contractor to maintain adequate protective equipment and procedures for all his employees and those of subcontractors and suppliers at all times, and to instill in them a high level of safety-consciousness for the duration of the Project as they relate to all lead requirements for work being completed in the State of California.

1.08 QUALITY ASSURANCE (All to be included as submittals)

Medical Examinations

Before exposure to lead-contaminated dust, provide workers with a comprehensive medical examination as required by 29 CFR 1926.62 and 29 CFR 1926.103. The examination will not be required if adequate records show that employee has been examined as required by 29 CFR 1926.62 within the last year. Also required is baseline biological monitoring consisting of blood lead level and Zinc Protoporphyrin (ZPP) with 2 weeks prior to job assignment. Other requirements as defined in title 8 CCR 1532.1 also apply. All persons who may be exposed to lead shall be given a comprehensive physical as required in the lead standard. This physical shall include a base line lead in blood test to prove that blood lead levels are less than 25 ug of lead per 100 grams of whole blood.

Medical Records

Maintain complete and accurate medical records of employees for a period of at least 40 years or for the duration of employment plus 20 years, whichever is longer.

Training

The on-site consultant shall verify that each employee performing paint removal, disposal, and air-sampling operations has received training prior to the time of initial job assignment, in accordance with local, state, and federal standards. (Lead in construction Training in accordance with title 8 CCR 1532.1 as a minimum)

Only properly trained and certified lead workers shall be allowed inside the exclusion areas during removal or cleaning. All on-site sub-trades that may be exposed to any amount of lead or come in contact with lead, shall receive Lead in construction Training in accordance with title 8 CCR 1532.1 as a minimum

Training Certification

The contractor will submit certificates signed and dated by the training facility and by each employee stating that the employee has received training all required lead training. A prestart training/meeting will take place with all employees cover specific hazards associated with this project.

Personal Protective Equipment (PPE):

All personnel who will be authorized to enter the areas of potential contamination will be fully qualified to wear respiratory protection as defined in 29 CFR 1910.134, 29 CFR 1926.62, Title 8 CCR 1532.1 and Title 8 CCR 5144. The abatement contractor will assure that such personnel have received medical approval to wear respiratory protective equipment, and have successfully been fit tested with the brand, model and size of respirator that will be worn. Documentation of medical fitness and fit testing will be provided. These requirements will remain in effect for all personnel who enter the work area until air-monitoring results demonstrate that airborne levels of lead dust are below 30 micrograms per cubic meter of air, and wipe-testing protocol proves that the areas are safe for unprotected habitation.

The level of respiratory protection assigned will be based on the results of monitoring for airborne lead fumes and dust in the work area. The results of the air monitoring will be submitted to the owner. The requirements for various levels are:

<u>REQUIRED RESPIRATORS</u>	<u>AIRBORNE CONCENTRATION OF LEAD OR CONDITION OF USE</u>
Half-face air purifying respirator equipped with high efficiency filters	Not in excess of 0.5 mg/M ³ (10 X PEL)
Full-facepiece air purifying respirator equipped with high efficiency filters	Not in excess of 2.5 mg/M ³ (50 X PEL)
Supplied-air respirator with full face piece hood, helmet or suit, operated in positive pressure mode.	Not in excess of 100 mg/M ³ (2000 X PEL)
Full-facepiece, self-contained breathing apparatus operated in positive pressure mode	Greater than 100 mg/M ³ Unknown concentration or fire fighting

All respirators and cartridges shall be NIOSH approved for lead dust and fumes. All personnel shall initially wear at least a half faced negative pressure respirator with approved cartridges for lead dust, mists, and fumes for paint scraping. **(Contractor to submit a respirator protection program)**

In addition to the initial fit test for the brand, model and size of respirator to be worn by each assigned worker, a field fit test to determine that the face piece properly seals will be performed each time the respirator is put on.

The following steps will be taken:

- Adjust the respirator to the face according to the manufacturer's instructions.
- Cover the air inlets with the palms of the hands.
- Gently inhale so that the face piece collapses slightly.
- Hold your breath for ten (10) seconds.
- The respirator shall remain slightly collapsed with no inward leads detected.

- f) Close off the exhalation valve with the palms of the hands.
- g) Exhale gently.
- h) A small buildup of positive pressure, with no outward leaks,
- i) indicates a good fit.

All workers assigned to lead abatement related work will be provided sufficient sets of protective full-body disposable clothing. The suits will be taped at the wrist and ankles prior to entering the work area. Additional protective clothing will consist of disposable gloves, foot coverings and headgear. Eye protection and hard hats will be provided and worn by all personnel at all times while on this project site.

Furnish each employee required to wear a negative pressure respirator or other appropriate type with a respirator fit test at the time of initial fitting and at least every 6 months thereafter as required by 29 CFR 1926.62. Establish and implement a respiratory protection program as required by ANSI Z88.2, 29 CFR 1926.103, 29 CFR 1926.62, 29 CFR 1926.55.

Hazard Communication Program

Establish and implement a Hazard Communication Program as required by 29 CFR 1926.59.

Employee Information, Training and Certification

The employer shall provide information about lead hazards, according to the hazard communication standard (section 5194 cal/OSHA Lead in Construction Standard) to all employees exposed to lead.

For all employees exposed to lead at or above the action level (AL) on any day, exposed to lead compounds that cause eye or skin irritation, or who perform any of the specified trigger tasks, the employer shall provide initial (pre-placement) training that includes all of the required content from the OSHA standard and its appendices.

Hazardous Waste Management

Contractor will submit a Hazardous waste management plan to the owner prior to beginning any lead paint work. Federal, State, and Local hazardous waste regulations will be followed as well as these items that are to be addressed in the contractor submitted plan:

- a. Proper notification and site posting prior to any lead paint activities or disturbance. This may include but is not limited to reporting to CDPH (form 8551- at least 5 days before conducting lead-related construction work), Cal OSHA notifications (at least 24 hour before conducting lead-related construction work involving any of the trigger tasks listed in the OSHA standard) and required site/tenant postings.**
- b. Identification of hazardous wastes associated with the work.
- c. Estimated quantities of wastes to be generated and disposed of.
- d. Names and qualifications of each contractor that will be transporting, storing, treating, and disposing of the wastes. Include the facility location and a 24-hour point of contact.
- e. Names and qualifications (experience and training) of personnel who will be working on-site with hazardous wastes.
- f. List of waste handling equipment to be used in performing the work, to include cleaning, volume reduction, and transport equipment.
- g. Spill prevention, containment, and clean-up contingency measures to be implemented.
- h. Work plan and schedule for waste containment, removal and disposal. Wastes shall be cleaned up and containerized daily.

Safety and Health Compliance

In addition to the detailed requirements of this specification, Contractor shall comply with laws, ordinances, rules, and regulations of Federal, State, and Local authorities regarding removing, handling, storing, transporting, and disposing of lead waste materials. Comply with the applicable requirements of the current issue of 29 CFR 1926.62.

Competent Person

The contractor shall have a competent person on site at all times during the lead paint activities performing duties in accordance with 1926.62. They will be performing the following;

- A. Certify that training has meet all federal, state, and local requirements.
- B. Review and approve lead-based paint removal plan for the conformance to the applicable reference standards.
- C. Continuously inspect lead based paint removal work for conformance with the approved plan.
- D. Perform air and wipe sampling as required.
- E. Ensure that work is performed in strict accordance with the specs at all times.
- F. Control work to prevent hazardous exposure to human beings and to the environment at all times.
- G. Certify the conditions of the work as called for in the specifications.

PART 2 - PRODUCTS

2.01 PRODUCT HANDLING

- A. Deliver all materials as described in this Section in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name.
- B. Store all materials subject to damage off the ground, away from wet or damp surfaces, and under cover sufficient to prevent damage or contamination.
- C. Remove from the premises all damaged or deteriorating materials. Dispose of materials that become contaminated in accordance with applicable regulatory standards.

2.02 Lead Paint Operations Materials

- A. Industry standard lead paint operations removal materials. (To be listed in contractor's submittal package)
- B. Provide 30-gallon heavy duty type "17E" closed head, leak tight steel drums with tight sealing locking metal tops.
- C. Provide paint sealant to be applied after loose and peeling paint has been removed from newly scarped painted surfaces. The paint sealant material is to be applied by the lead removal contractor. The paint stripper product is to be pre-approved by the owner prior to commencement of work.

2.03 EQUIVALENT PRODUCTS

The owner will consider equivalent products or materials by other manufacturers for approval if submitted with appropriate information to the owner's representative not later than five days prior to the scheduled time for the material to be used. Minimum information shall include Material Safety Data Sheet (MSDS) and application recommendations for use on specific materials identified on this project.

2.04 TOOLS AND EQUIPMENT

- A. Tools and equipment as specified in this specification and as industry standard for lead paint removal.

PART 3 - EXECUTION

The following general sequences of work are intended to provide guidance for performing the Work. Contractor shall address its specific sequencing in its work plan. Contractor to have a CDPH certified lead supervisor on site at all times during lead related activities. The reason for this plan will be the renovation of the School.

3.01 GENERAL

Prior to entry, personnel will remove street clothing and put on respiratory protection, clean coveralls, head coverings and foot coverings. Hard hats will be worn at all times. At least two sets of disposable coveralls shall be worn when inside the restricted work area.

Clean respirators and protective clothing will be provided and utilized by every person entering the work area. Personnel in designated personal protective clothing will then proceed to the work area.

Before leaving the work area, personnel will remove any gross contamination from the outside of the respirators, their boots, and other protective clothing by vacuuming themselves off with the HEPA vacuum. Personnel will proceed to peel off at least the outer protective disposable suit and place it into a properly labeled disposal barrel located near the designated exit site. The contractor may provide a shower, but it is not required for the paint scraping. If a shower is not supplied by the contractor, then an area for washing the hands and face of the workers in an area segregated from the work area is required. Personnel will only be HEPA vacuuming themselves off prior to leaving the lead restricted zones for scraping. They will first vacuum themselves off, and then go into the clean room to dress out in clean clothes. All protective equipment, and other contaminated equipment will be placed into labeled containers or plastic bags while still inside the restricted zones or containments. Equipment that is to be removed from the hazard zone shall be contained or bagged as described, or it shall at a minimum be wet wiped down or HEPA vacuumed prior to exiting the contained lead work areas.

All wastewater from showering (if there is showering), and other waters used for cleaning must be tested for disposal. It is, therefore, required that all water from cleaning or decon operations be stored in an onsite container(s).

Water for emergency eyewash and drinking shall, also, be provided at the decontamination site.

Place all tools, staging, etc. necessary for the work in the area to be isolated prior to erection of plastic sheeting drop cloths and boundary work enclosures.

Contractor shall shut down and lock out all electrical power to the area. Contractor shall wire in temporary power as specified from outside the work area for abatement activities. This includes lighting inside enclosure unless it is rated for a wet location.

Construct Temporary Facilities

1. Owner may designate an area on-site for Contractor's use as a temporary hazardous waste storage site. Contractor is responsible for security of hazardous waste from the time it is generated until its ultimate disposal at the landfill.
2. Construct decontamination units for lead paint work as specified.
3. Inspect containers for leaks or corrosion weekly and keep written records of inspections on site.

3.02 CONTROL ACCESS

- A. Permit access to the lead-contaminated work areas only through the decontamination unit. All other means of access shall be closed off and sealed and warning signs displayed on the clean side of the sealed access.

Warning signs printed in English will be posted at the perimeter of the restricted area to provide notice of potential airborne lead. The signs will be located at regular intervals and at such a distance that personnel may read the signs and take necessary precautions required prior to entering the area. Signs shall conform to 29 CFR 1926.62 (m). The sign shall be at least 20" by 14" displaying the following legend in the lower panel:

**WARNING
LEAD WORK AREA
POISON
NO EATING, DRINKING, OR SMOKING**

Entry and exit routes will be established and clearly marked. Control of site entry and exit will be established before the project begins.

Employee and authorized personnel will enter the containment areas through a worker site egress and exit site which must be at the decontamination site located at a convenient entry and exit point to building areas. Anyone who enters a work area must read this plan and will sign an entry log upon entry and exit. All pertinent information, like the abatement plan, will be posted at this entrance and exit site.

Prior to entering the work area, personnel will read and become familiar with all posted regulations, personal protection requirements and emergency procedures. A sign-off sheet will be used to acknowledge that these procedures and regulations have been received and understood by all personnel.

Engineering controls will be established and maintained to control lead dust: including the establishment and maintenance of the lead control area, decontamination system and continuous misting and HEPA vacuuming by experienced, trained, certified abatement personnel from the abatement contractor.

3.03 Preparation / Execution

A. General Set up Operations – Component Removal and Paint Stabilization (Only as needed)

Because of the low risk associated with this type of lead abatement, full containment for lead abatement is not required. Lead safe work practices will be followed per title 17. There will be at least a lead restricted zone around all sites of exterior component removal, paint scrape, and preparation for the scraping will be in accordance with the 1995 HUD Guidelines, Chapter 8, Tables 8.1 through 8.3.

1. Provide warning signs and barrier tape to demark the lead paint work area.
2. Provide drop cloths of six mil polyethylene sheeting at the base of materials to be addressed. Extend drop cloths a minimum of six feet beyond the area(s) where lead painted materials will be removed.
3. Install critical barriers consisting of one layer of 6-mil reinforced polyethylene sheeting. Ensure that all barriers remain effectively sealed and taped for duration of abatement and subsequent cleaning. Visually inspect enclosure at the beginning of each work period. Repair damaged barriers and remedy defects immediately upon discovery. Contractor shall be responsible for environmental cleanup of areas contaminated due to failure of critical barrier system.
4. If needed during this project, construct separate worker decontamination units in compliance as required with OSHA guidelines. Shower in worker decontamination unit shall open into airlock on both contaminated and uncontaminated sides. Construct decontamination units of appropriate materials (including plywood and plastic sheeting). Shower in personnel decontamination unit shall contain both hot and cold running water. Supply sufficient shower units to comply with OSHA regulations. Post OSHA decontamination procedures in change room and equipment room for

duration of Project. Decontamination units shall be constructed weather tight and shall have a lockable door. Provide keys for decontamination door to Owner and Engineer.

5. Install wastewater collection system. Collect shower and wash water for characterization and disposal. Shower and wash water shall be segregated from other waste, filtered through filters having not more than 5-micron pore size, and characterized for disposal as a separate waste stream. Dispose of used filters with solid waste. Install a sump pump of sufficient capacity to collect twice the amount of waste liquid and sludge expected to be produced.
6. Notify Abatement Consultant for observation and acceptance of all critical barriers, HEPA filtration systems, and decontamination units before proceeding.

B. Paint Stabilization (addressing loose and flaking paint) and Component Removal (Only as needed)
For Painted Substrates with Paint in Poor Condition (flaking, blistered, cracking)

1. Prepare work area as previously specified in Paragraph 3.03 of this section. For Exterior loose and flaking paint stabilization and component removal, prepare the work area as stated 3.03 of this specification and follow exterior work practices. Work area shall consist of those areas where paint is in poor condition or cutting may occur. (The intent is not total removal of paint but the stabilization of paint which may delaminate from the substrate during re-painting operations).
2. Remove lead paint which is in poor condition. Acceptable methods include wire brushing, or scraping. Do not use chemical strippers for removal of paint in poor condition. There shall be no visible emissions from any lead remediation work. All lead abatement work shall be done under wet conditions. Hand methods shall be used to remove the loose and flaking paint chips. All paint chipping and scraping must / shall be done in such a manner as to preclude any emissions of lead dust. The contractor shall keep the dust down to bare minimum levels. Once removed, the immediate areas inside the containment shall be cleaned up by HEPA vacuuming and wet wiping and HEPA vacuuming again. The abatement contractor must spray water mist to keep dust levels down, and HEPA vacuum up dust and any loose debris from the poly that shall be placed on the floor / soils/ pavements during scraping to catch debris. The abatement contractor will HEPA vacuum, wet wipe, and HEPA vacuum again and the conclusion of scraping. The abatement contractor shall not use dry sweeping to clean up any loose leaded debris.
3. Component removal of materials painted with lead paint. Acceptable methods include non-motorized hand tools. Do not use chemical strippers for removal of paint in poor condition. There shall be no visible emissions from any lead remediation work. All lead abatement work shall be done under wet conditions. Hand methods shall be used to remove the lead painted building components. All removal work must / shall be done in such a manner as to preclude any emissions of lead dust. The contractor shall keep the dust down to bare minimum levels. Once removed, the immediate areas inside the removal areas shall be cleaned up by HEPA vacuuming and wet wiping and HEPA vacuuming again. The abatement contractor must spray water mist to keep dust levels down, and HEPA vacuum up dust and any loose debris from the poly that shall be placed on the floor / soils/ pavements during scraping to catch debris. The abatement contractor will HEPA vacuum, wet wipe, and HEPA vacuum again and the conclusion of scraping. The abatement contractor shall not use dry sweeping to clean up any loose leaded debris.
4. Only approved ladders or scissors lift shall be used to elevate workers, if necessary. All workers who are required to work at heights above four feet shall be equipped with lifelines and harnesses.
5. All paint flakes, and other debris that is generated from this operation shall be lightly wet wiped up by hand or HEPA vacuumed and placed into a clearly labeled hazardous waste container. All lead paint chips, dust and debris shall be waste profiled prior to disposal per Federal, State, and local requirements.

6. The debris from the abatement shall be tested using the WET METHOD (TTLC and then TCLP, and/or STLC) as required for hazardous waste disposal. The collected small debris and paint chips that are to be disposed of by the contractor will most probably be classified as a hazardous waste.
7. The abatement contractor shall ensure that all areas of lead scrape are thoroughly clean and free of dust and paint chips.
8. Package lead painted debris for waste characterization and transportation to disposal site following the disposal plan in this work plan.

If building material / substrate cutting is required where lead paint is present, remove lead paint from areas where cutting will occur. Remove paint from a strip no less than 12 inches wide. Acceptable methods include chemical strippers and full scraping.

- a) Conduct area set up as listed above. (Section 3.03)
- b) Perform paint stripping operations in accordance with manufacturer's directions (including the recommended personal protective equipment).
- c) Perform the operation over a drop cloth to catch any paint chips which may be generated.
- d) Clean surface in accordance with manufacturer's recommendations. Use minimal amount of liquids necessary to remove stripper and lead paint materials.
- e) Segregate waste from chemical stripping operations for disposal as a separate waste stream.
- f) If painted materials must be cut into manageable pieces, use methods that will minimize dust. If open flame cutting methods are used in conjunction with chemical strippers, Contractor shall take adequate precautions to ensure against fire and explosion.

C. General Set up Operations – Lead Removal Requiring Containment (Lead Ceramic Tile Removal) (Only as needed)

1. Install critical barriers consisting of one layer of 6-mil reinforced polyethylene sheeting supported on a wood framework.
 - a. Critical barriers shall be constructed to completely enclose the work areas platforms.
 - b. Critical barriers and framing shall be constructed in a weather tight fashion to resist the elements (including wind loads) expected to be encountered during the work.
 - c. Ensure that all barriers remain effectively sealed and taped for duration of abatement and subsequent cleaning. Visually inspect enclosure at the beginning of each work period. Repair damaged barriers and remedy defects immediately upon discovery. Contractor shall be responsible for environmental cleanup of areas contaminated due to failure of critical barrier system.
2. Install adequate number of sleeves in barriers and plastic sheeting to allow access for negative air exhaust. Construct sleeves with flaps to close when not in use.
3. Install HEPA filter-equipped air filtration devices to create a negative pressure within the work area. Air filtration devices shall comply with ANSI Z9.2-79, Local Exhaust Ventilation, and shall be positioned to create air flow from the decontamination units through the work area, without "dead air" pockets. Ensure that the air within the workspace is changed at least once every 15 minutes. Install continuous reading manometer to document that negative pressure is maintained in the work area.
4. Shower facilities, soap and towels shall be provided, where feasible, for employees exposed to lead above the PEL. Construct separate worker decontamination units in compliance with OSHA guidelines concerning number, size and placement of airlocks, etc. Shower and worker decontamination unit shall open into airlock on both contaminated and uncontaminated sides.

Construct decontamination units of appropriate materials (including plywood and plastic sheeting). Shower in personnel decontamination unit shall contain both hot and cold running water. Supply sufficient shower units to comply with OSHA regulations. Post OSHA decontamination procedures in change room and equipment room for duration of Project. Decontamination units shall be constructed weather tight and shall have a lockable door. Provide keys for decontamination door to Owner and Engineer.

5. Install wastewater collection system. Collect shower and wash water for characterization and disposal. Shower and wash water shall be segregated from other waste, filtered through filters having not more than 5-micron pore size, and characterized for disposal as a separate waste stream. Dispose of used filters with solid waste. Install a sump pump of sufficient capacity to collect twice the amount of waste liquid and sludge expected to be produced.
6. Provide drop cloths of six-mil polyethylene sheeting under the work to be performed. If necessary, provide walking surfaces of plywood or cardboard to prevent slip hazards.
7. Maintain emergency and fire exits from the work areas, or establish alternative exits satisfactory to fire officials.
8. Notify Abatement Consultant for observation and acceptance of all critical barriers, HEPA filtration systems, and decontamination units before proceeding.
9. Proceed with material removal / demolition utilizing non-motorized hand tools. The contractor shall outline the lead removal operations in the submittal to be submitted prior to commencement of the project.

Air & Environmental Monitoring

Sampling of airborne concentrations of lead dust will be performed in accordance with 29 CFR 1926.62 and Title 8 CCR 1532.1. Air monitoring will be conducted by the designated competent person. Wipe sampling may also be utilized during the project to ensure lead control areas are adequate and are not being breached.

Area monitoring will be conducted each shift during the abatement process at the designated limits of the control areas.

The contractor shall collect personal samples, at his expense, for those workers who are anticipated to be at the greatest risk of exposure as determined by the onsite supervisor. Air samples will be taken on at least 25% of the work crew or a minimum of 2 persons; whichever is greater, during a work shift. If the quantity of airborne lead dust monitored at the designated limits at any time exceeds 30 ug/M^3 all work will be stopped and the owner's representative shall be immediately called to direct correction of the conditions causing the increased levels and notify the abatement contractor. The owner's representative shall review the sampling data taken during that day to determine if conditions require any further change in work methods. Work shall resume when approval is given by the owner's representative. If adjacent areas are contaminated, the areas will be cleaned, monitored and visually inspected.

Cleanup and Final Clearance Testing

- A. Provide general clean-up of work area concurrent with the scraping of lead paint. Do not permit accumulation of debris on workspace floor.
- B. At the owner's option, wipe samples will be collected around the various lead operation work areas and in "clean rooms" of decontamination units to document effectiveness of Contractor's isolation practices (keeping lead contamination localized). If samples indicate levels higher than background levels, Contractor will be required to perform clean up of contaminated areas at its own expense.

- C. The Owner’s representative shall conduct containment/control area effectiveness air monitoring prior to, and throughout, stabilization and cleaning operations. If environmental sampling indicates lead levels higher than background levels, Contractor will be required to perform clean up of contaminated areas at its own expense.
- D. Lead Operations / Clean Up and Clearance Testing
1. HEPA-vacuum all surfaces to remove loose debris. Wipe all surfaces with a solution of trisodium phosphate (TSP) and water to remove dust and film. Dispose of wipers frequently to avoid spreading contamination. Re-HEPA vacuum all surfaces that have been wiped down.
 3. Notify the owner’s representative for observation to determine completeness of cleaning.
 4. The competent person will conduct a thorough visual inspection before there is any final clearing of the hazard or restricted zone. Once the criteria for visual inspection has been satisfied, final clearance wipe samples will be taken and analyzed. Upon notification from the owner’s representative that work area is visibly clean, the owner’s representative will oversee Final Clearance testing. Guidelines require that contaminated sites be cleaned free of lead below 10 micrograms per square foot of horizontal non porous floor surfaces, and less than 100 micrograms per square foot for interior horizontal window surfaces, and less than 400 micrograms per square foot for exterior horizontal surfaces. The results from the air monitoring and wipe testing will be submitted to the Owner and the abatement contractor. Cleaning will continue, if necessary, until these clearance criteria are met. The barriers and signs establishing the containment will not be removed until these final visual clearance criteria have been met.
 5. Upon notification from the Owner’s representative that lead final clearance samples indicate acceptable clearance levels, dismantle decontamination enclosure systems, remove critical barriers, and thoroughly HEPA-vacuum and wipe area with trisodium phosphate solution.
 6. Lead sample results will be reported in terms of micrograms of lead per cubic meter of air (air samples) or micrograms of lead per square foot of surface (wipe samples). Samples will be collected in accordance with EPA, OSHA, or HUD recommended procedures for the type of sample being collected.
 6. If any sample indicates contaminant levels higher than the specified clearance levels, full decontamination and clearance procedures (including re-sampling) shall be performed at Contractor's expense.
 7. All other trades personnel will be excluded from the work area until the owner gives approval for the area to be reoccupied without respiratory protection and the engineering controls have been demobilized.

Fire and Medical Emergency Response

Each day a tailgate safety meeting shall be held outside of the containment areas for all assigned personnel prior to the start of work. All personnel will be made aware of the site address and the location of any existing on-site fire alarms and the location of the nearest telephone. This information will also be posted on the on-site notice posting board located at the entrance to any lead control area along with the phone numbers for police, fire, ambulance, and the name and location of the nearest emergency medical facility. Abatement contractor in his submittal package prior to any work must provide this information to the owner.

In the event of a medical emergency within the control area, the sick or injured person will be decontaminated before removal if the nature of the illness or injury is not life threatening or will not be exacerbated by the decontamination process. Of the illness or injury is life threatening, or is likely to be made worse by the decontamination process, then the ill or injured person will be removed immediately without regard to decontamination and medical attention summoned. Illness and/or injuries occurring on the job will be promptly and thoroughly investigated.

In the event of fire, the first person to notice the fire shall alert others within the control area and immediately evacuate. The fire alarm, if present, will be activated and the fire department will be called from the nearest safe phone.

A complete first aid kit will be kept on-site for minor injuries.

Disposal of Lead Waste

Suspect lead containing paint residues will be tested to determine whether it is hazardous waste. All suspect hazardous paint chips, dust and other generated waste shall be tested first for total lead or TTLC, and then by the STLC / TCLP leaching test procedures for lead content prior to disposal. All waste characterization will be performed by the contractor, at the contractors expense, and submitted to the consultant for approval.

All waste generated from this work shall be treated as hazardous waste until S.T.L.C., T.C.L.P. or T.T.L.C. results indicate otherwise. The contractor is responsible for any disposal of all waste, whether common construction debris or RCRA hazardous waste (the paint chips and dust from the abatement process).

Small lead contaminated hazardous waste including: water, scrap, debris, bags, containers, equipment, and clothing which may produce airborne concentrations of lead dust will be collected and placed into USDOT approved drums for disposal. Each drum will be properly labeled to identify the type of waste and the date the drum was filled.

A Uniform Hazardous Waste Manifest for the small debris from paint chip scraping / abatement work will be obtained and properly filled out, by adhering to the following procedures: At the start of the project, the empty container must be in good condition, empty, lockable and have a valid state certification. If the container fails the inspection, the deficiency must be corrected or another container obtained.

When the container is approved, the contractor will begin a manifest and hold it for up to 90 days. The abatement contractor will provide information such as job site, contract number and the ultimate disposal site. The container will be marked with the current date as the accumulation start date. Waste may not be stored in an accumulation area for more than 90 days. Other container markings must be in place as required by law.

Lead waste (paint dust and chips, restroom fixtures) will be properly packaged and loaded into the container, which will be locked at all times except during loading or inspection. RCRA lead waste shall go in DOT approve barrels to be transported by an approved hazardous waste hauler.

Containerized waste will be loaded into an enclosed truck for transport. The enclosed cargo area of the truck will be lined with 6-mil poly sheeting to prevent contamination from leaking or spilled containers.

The personnel loading the lead containing waste will wear protective equipment including overalls, head and foot, coverings, gloves and a respirator.

Upon reaching the landfill, the truck will approach the dump location as closely as possible for unloading of the lead waste material. The containers will be inspected, as each is unloaded. Material in damaged containers will be properly repackaged. The personnel unloading the truck and the landfill personnel will wear protective equipment. Following removal of waste, the cargo area of the truck will be decontaminated using HEPA vacuums and wet wiping techniques. This material will be bagged and wrapped in bundles for disposal. Personnel will remove their disposable protective equipment and wrap it in poly to be disposed of at the same time.

All building materials with paint attached, construction debris with lead painted building components, lead removal components, all associated removal debris, and restroom fixtures from the abatement shall be tested using the WET METHOD (TTLC and then TCLP, and/or STLC) as required for hazardous waste disposal. The collected small debris and paint chips that are to be disposed of by the contractor will most probably be classified as a hazardous waste. Characterize packaged waste prior to removal of waste from the site.

The lead abatement contractor (at the contractor’s expense) shall conduct all demolition debris waste pile sampling prior to disposal of demolition debris containing painted surfaces. (Debris sampling following the State of California waste stream sampling criteria) This will be required and conducted on all waste streams created by the lead abatement contractor for work associated with lead and this specification.

All waste characterization will be performed by the contractor, at the contractor’s expense, and submitted to the consultant for approval

Approved By:



David Christy

Certified Asbestos Consultant

CAC# 92-0703

CDPH Certified Lead Supervisor

☎ Tel: (858) 271-1842 (office)

☎ Tel: (619) 571-3987 (cell)

☎ FAX: (858) 271-1856

✉ Email: gowestdc@msn.com

5/3/2024



WESTERN ENVIRONMENTAL & SAFETY TECHNOLOGIES LLC

“an environmental consulting firm”

PCB's / Mercury Containing Light Tubes / Universal Waste Handling, Removing, and Disposal Plan

Dehesa Elementary School – Buildings 2 & 3

5/2/2024

General Information

Owner: Dehesa School District, 4612 Dehesa Road, El Cajon, Ca. 92019

Owner Point of Contact: Eric Berg, SDCOE – School Facility Planning Specialist

Areas of Construction: Dehesa Elementary School – Buildings 2 (A) and 3 (B)

Consultant of Record: Western Environmental & Safety Technologies LLC

Scope of Work

This work plan addresses the handling, removing and disposing of the following materials including but limited to:

1. Polychlorinated Biphenyls (PCBs) containing materials in electrical ballasts
2. Mercury containing light tubes
3. General universal waste

This work plan will be put in place if any construction activities takes place around the existing lighting structures that will cause disturbance in association with the lighting. The removal, hauling, and disposal of the referenced materials and all associated activities to complete the project as listed will be conducted at the contractor's expense. All remaining hazardous/regulated materials are to be properly removed, transported, recycled, and/or disposed in accordance with all applicable regulations (local, state, and federal) and these specifications.

Definitions

Definitions are those contained in 40 CFR 761

Notifications

The project owner and the on-site inspector shall be given a courtesy notification seventy two (72) hours prior to start of any related work outlined within this specification / work plan.

References

Code of Federal Regulations (CFR)	
29 CFR 1910.134	Respiratory Protection
29 CFR 1910.145	Accident Prevention Signs and Tags
29 CFR 1910.1000	Air Contaminants
29 CFR 1926.59	Hazard Communication
40 CFR 761	Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in commerce, and Use Prohibitions
40 CFR 171	General Information, Regulations, and Definitions
40 CFR 172	Hazardous Materials Tables and Hazardous Materials Communications Regulations
40 CFR 173	Shipments and Packing
40 CFR 174	Carriage by Rail
40 CFR 175	Carriage by Aircraft
40 CFR 176	Carriage by Vessel
40 CFR 177	Carriage by Public Highway
40 CFR 178	Shipping Container Specification
40 CFR 179	Tank Cars

Submittals

The Consultant's review of submittals shall not relieve the Contractor from the responsibility for complying with contract drawings or specifications unless the Contractor has secured the written approval of the Consultant for all deviations. Consultant's review of submittals shall not relieve the Contractor from responsibility for errors and omissions in the submittals.

Submittals shall contain only those items specified and shall not include items which are not provided for under this contract unless they are clearly marked and/or voided as not being part of this contract. The submittals that are required are as follows:

Prior to commencement of work:

As required, notification in writing of proposed work, with copy to the Owner, the EPA Regional Office, OSHA or OSHA Regional Office, local air pollution agency, and local authority with responsibility for enforcement of occupational health and safety regulations and enforcement of any environmental regulations with jurisdiction in the state in which this project is located.

Submit proof satisfactory to the Owner that all required permits, site locations and arrangements for transport and disposal of PCB containing materials, mercury filled light tubes, universal waste, and general waste and debris have been obtained.

Submit to the Owner for information and approval, a description of the plans for construction of decontamination enclosure systems and for isolation of the work areas in compliance with this specification and applicable regulations.

Submit documentation to the Owner indicating that all employees have had medical examinations and instruction on the hazards of PCB exposure, use of protective clothing, respirator fit tests, entry and exit from work areas, on work procedures and protective measures.

All training, medical examinations, and respirator fit-testing shall conform to 8 CAL CODE OF REGULATIONS 5208 as well as 40 CFR, Part 763, Appendix C to Subpart E as applicable.

Submit documentation to the Owner that sixty (60) percent of the work force (exclusive of job foremen, superintendents, etc.) have at least one year's experience in this type of work.

Submit documentation to the Owner that sixty (60) percent of the project foremen, superintendents have had at least two year's experience in this type of work.

The Contractor shall submit to the Owner, including but not limited to the following:

- A. Weekly work schedule.
- B. Various manufacturers information, including MSDS.
- C. Type and brands of materials for worker protection.
- D. Method of application and materials to be used.
- E. Medical exam results of all employees (OSHA 1910.1001), including chest roentgenogram, pulmonary function and forced expiratory volume at second (Contractor is responsible for the appropriate medical releases).
- F. Test results (both personal air monitoring data and air pressure differential between work areas and external air).
- G. Copies of all daily manpower and work logs indications area(s) and type of work performed.
- H. Copies of all certifications of disposal.
- I. Copies of permits.
- J. Copies of all OSHA Form 101 or equivalent accident/injury/incident reports.

Fall Protection

Scaffolds and man lifts shall be equipped with guardrails and workers provided with the proper fall protection equipment.

Freestanding scaffolds shall not extend higher than four (4) times the minimum base dimension. Guardrails, toe boards, and outriggers shall be installed on scaffolds more than six feet in height. Planks shall extend no more than 12 inches past the end support. Use of ladders and scaffolding shall be in accordance with established standards.

Only approved ladders shall be used inside the regulated areas. No ladder shall be placed directly on areas lined with polyethylene.

The contractor shall supply for approval a written fall protection safety plan.

Hazard Communications

The contractor shall supply for approval a written ongoing hazard communication program. There will be a file of Material Safety Data Sheets (MSDS) on site at all times for items used on this job site.

Respirator Protection Program

The Contractor shall supply for approval a written respiratory Protection Program.

Submittal Procedures

Deliver to the Owner point of contact two (2) copies of the submittal.

All submittals shall be submitted in hard-cover, three-ring, loose leaf binders, properly indexed with tabs separating each section.

Comply with progress schedule for a timely submission of submittals as they relate to work progress. Coordinate submittal of related items.

Contractor shall review, sign and approve submittals, with notes required for his approval, prior to submittal to Consultant.

After Consultant's review of submittals, revise and resubmit if required. Distribute copies of reviewed submittals to appropriate sub-trades and/or suppliers.

Emergency Procedures

All personnel shall be briefed that the single emergency telephone number is 911.

Fire:

In the event of a fire, all personnel shall evacuate the area and call the fire department. Personnel shall be briefed to assemble at on on-site designated area. The onsite Competent person shall be responsible for accounting for all employees. There shall be two exits designated from the work area.

Medical:

There shall be a minimum of two employees on site with first aid and CPR training to handle: Life Threatening Injury: In the event of a life threatening injury, the injured party shall be removed from the work areas as expeditiously as possible. 911 shall be called to request medical assistance. The injured party removed and decontaminated as much as possible outside. Responding medical personnel shall be advised that the injured may be contaminated with PCB material as appropriate.

Non-Life Threatening Injury:

In the event of a minor non-life threatening injury, the injured party shall exit through the decontamination unit following the proper exit decontamination procedures and proceed to medical assistance.

Heat Stress/Heat Stroke:

Heat stress and heat stroke are not expected to be a problem on this job. Cold potable water shall be always available on site.

Hurricane/Earthquake etc.:

In the event of hurricane warnings or earthquake, personnel shall secure any loose items outside the building and proceed to a designated evacuation area. Competent person shall account for all employees.

Coordination with Other Trades

Other trades shall be notified that the regulated area is off limits except for emergency situations coordinated with the onsite Competent Person.

Pre-Modernization / Demolition Inspection

Prior to modernization / demolition, the contractors' competent person and industrial hygienist shall inspect all entities suspected of containing and/or contaminated with PCBs. A review of all light tubes will be conducted concurrently. The inspection will involve:

1. Ensuring that all electrical current has been cut to electrical fixtures and transformers.
2. Identifying and marking number and location of PCB containing electrical ballasts.
3. Identifying and marking number and location of light tubes to be removed
4. Identifying the location of all work areas and equipment storage areas
5. Identify the location of waste storage prior to transport from the site

Special Hazard Precautions

When working with PCB containing materials, the following precautions shall always be adhered to:

PCBs shall not be exposed to open flames or other sources of high temperature since toxic decomposition by-products may be produced.

PCBs shall not be heated to temperatures of 55.0C (135.0F) or higher without approval.

Smoking, eating and drinking are not permitted within 50 feet of the PCB control area.

Removal and Disposal of Electrical Ballasts (Only if needed)

If the existing light fixtures will be disturbed or removed, all fluorescent-ceiling fixtures will be checked from all construction areas prior to the first disturbance. The Contractor is required to inspect every ballast in each fixture and visually verify that each ballast is labeled “No PCBs” or is unlabeled and presumed to contain PCBs. Any ballast found during this process containing PCBs will be properly removed and disposed of as outlined in this specification. Prior to removal of the electrical ballasts, trained personnel shall dismantle the electrical fixtures, with care being taken so as not to cause any spills of PCB containing materials.

PCB Containing Electrical Ballasts: PCB containing electrical ballasts shall be carefully removed and packaged separately by placing in DOT approved containers. The use of open top 55-gallon drums with lid and lock band is recommended. A start date must be annotated on a label at the time the first ballast is placed in a drum. When the drums have been filled, the removers will contact the owner point of contact and schedule a time to have a manifest signed and have the drums removed from the site. The containers shall be clearly labeled as containing PCB materials, manifested and transported to disposal at a permitted facility.

Examine each ballast to determine if oil has leaked, as identified by the presence of yellow oil or black tar like material on the outside of the ballasts. Any leaking PCB-containing ballasts or transformers shall be wrapped and sealed in 6-mil plastic disposal bags and placed in a separate steel drum or other approved container. Each disposal drum or container will have a sufficient amount of oil-absorbent material placed in the bottom to absorb any oil from ballasts that are leaking or may leak during transport. Clip off connecting wires as close as possible to the ballasts. Do not bend back ends of ballasts. All personal protective clothing contaminated with PCB shall be disposed of accordingly.

Personnel

Only personnel trained in working, handling and managing PCB containing materials shall be permitted into the work area. The on-site contractor's competent industrial hygienist shall verify that each employee is trained on the dangers of PCB exposure, on respirator use, decontamination, and applicable OSHA and EPA regulations.

Surveillance Personnel: Surveillance personnel may enter a PCB control area for brief periods of time provided they wear disposable polyethylene gloves and disposable polyethylene foot covers, as a minimum. Additional protective equipment may be required if respiratory hazard is involved or if skin contact with PCB is involved.

Personnel Protective Equipment

Each worker shall be provided with the appropriate personal protective equipment (PPE), as required by OSHA Regulations, PPE shall include, but not be limited to, the following:

- Disposal chemical resistant coveralls
- Chemically resistant gloves over plastic disposable gloves
- Disposable foot covers
- Half-mask cartridge respirator
- Eye protection

Execution of Removal

Ballast having labels with the words "NO PCBs" or labels with similar words having the same meaning, may be disposed of with the light fixture. All other ballast, regardless of age, will be assumed to contain PCB. Ballast containing, or assumed to contain, PCB may be removed from mounted light fixtures, or the entire light fixture may be removed and taken to a ballast removal area. Floor covering requirements must be met if ballast is removed from mounted fixtures, and ballast shall not be dropped, thrown, or miss handled. Open top 55-gallon drums, with lids and lock bands, shall be used for disposal of the ballast.

Floor Covering Requirements: In preparation for ballast removal, the contractor shall spread 6-mil polyethylene sheeting on the floor of the area where the removal is performed. The sheeting shall be sealed at the joints and shall extend 3 feet beyond the work area. Damaged, holed, or torn sheeting shall be resealed before ballast removal work continues or resumes. The purpose of the sheeting is to contain spills.

Removal of Leaking Ballast (only if needed): Ballast removal shall be immediately discontinued if any sign of black tar-like or yellow oil like substances are discovered on a ballast, light fixture, or cover. The contractor shall don a Ty-Vek suit, along with the rubber gloves and eye protection before continuing work. Light fixtures, covers, and ballast with the black tar-like substance shall be scraped and wet wiped with an approved solvent until clean and no visible signs of the tar-like substance remain. Use of solvents must be submitted, for approval, to the owner prior to use.

All precautions shall be taken to prevent PCB spills/leakage into the environment. In the case of a PCB spill and/or leakage the contractor shall immediately notify the owner. If the spill is estimated to be in excess of one (1) pound, the local fire department and county environmental compliance department shall also be immediately notified. A PCB spill kit shall always be kept on-site in the immediate vicinity of PCB work areas. Personnel trained in managing and controlling PCB spills/leakage shall undertake the handling of such situations.

In case of PCB spill and/or leak the contractor shall also:

Rope off an area around the edges of a PCB leak or spill and post a "PCB Spill Authorized Personnel Only" caution sign, immediately transfer leaking items to a drip pan or other container; initiate cleanup of spill as soon as possible, but no later than 48 hours of its discovery; and properly contained and disposed of as solid PCB waste.

Any and all cleanup shall be documented with records of decontamination in accordance with applicable cleanup rules and regulations.

Disposal

Disposal of oil or tar-like substance cleaning materials: The remover shall place all tar-like substance residue and materials with the tarlike substance on them (such as Ty-Vek suits, disposable scrappers, rags, and floor covering) in a separate steel drum. The external surface of all drums, lids, and lock bands shall be thoroughly cleaned of all tar-like substance, labeled and sealed.

Disposal of The Drums: Arrange for the transport of all properly containerized PCB-containing ballasts to an EPA-approved recycling/disposal facility. The contractor shall complete with all local state and federal agencies as it relates to the disposal of the PCB drummed materials. The drums containing PCB ballast and those containing rags, towels, residue, etc. will be transported and properly disposed of as PCB waste.

The Contractor is responsible for determining and complying with all current applicable regulations pertaining to hazardous waste handling, transport, and disposal of PCB-containing ballasts and transformers. Copies of completed original waste shipment records/manifests documenting the proper transport, recycling, or incineration of non-recycled components shall be provided to the owner upon project completion. The Contractor shall also obtain and provide documentation to the owner that the recycling/disposal facility has all the required permits and approvals necessary for operations involving recycling and disposing of PCB-containing equipment.

Disposal of Fluorescent and Other Universal Lamps - Only if needed (light Tubes)

Background: The U. S. Environmental Protection Agency (EPA) has promulgated regulations governing the accumulation and disposal of Universal Waste Lamps.

The scope of work for the abatement contractor includes the removal and recycling of all fluorescent lamps, mercury vapor bulbs, and high intensity discharge (HID) bulbs from lighting fixtures. Fluorescent lamps, mercury vapor bulbs, and HID bulbs shall be removed prior to starting demolition, properly packaged to prevent breakage, and transported intact to an EPA-approved recycling facility. Contractors responsible for the removal and recycling of the fluorescent lamps, mercury vapor bulbs, and HID bulbs shall handle and manage them in accordance with all local, state, and federal regulations.

All fluorescent-ceiling fixtures will be checked from all construction areas prior to the first disturbance. All the light tubes will be carefully removed from the fixture as not to break the tubes and set aside in a pre-approved secured area prior to disposal. All mercury containing light tubes will be properly removed, stored, and disposed following all local, state, and federal guidelines. Containers for disposal of waste UW lamps (fluorescent lamps) shall be pre-approved by the consultant.

Lamp Removal: Assume all fluorescent lamps associated with this project, regardless of age, are harmful to the environment. The contractor will provide the containers, for disposal of the lamps. After all waste lamps have been placed in the containers, identification and hazard labels shall be placed on each container.

- Carefully remove lamps and bulbs from fixtures. Lamps and bulbs shall remain intact (unbroken) and shall be carefully placed into cardboard containers designed to hold them (preferably original boxes obtained from the manufacturer or special boxes obtained from a lamp recycler).
- Broken lamps and bulbs should still be recycled. However, if they are not acceptable to the recycling facility, they must be evaluated to determine if they are hazardous waste. Remove and discard residues from broken lamps and bulbs promptly. Personnel cleaning up spills should have appropriate training, cleanup equipment, and wear appropriate personal protective equipment. Acceptable storage for broken, damaged, or leaking lamps and bulbs include a closed 55-gallon steel drum or a closed wax fiberboard drum.
- Store boxed lamps and bulbs in a secure area and limit access to personnel qualified to handle them.
- Contact an EPA-approved lamp recycler and arrange for transport of the properly packaged and labeled lamps and bulbs to the recycler.

- Submit copies of the original shipment records documenting proper transport, recycling, and proper disposal of any non-recycled components to the owner upon project completion.

Mercury-Containing Thermostats and Electrical Switches (if discovered during demolition activities)

The Contractor shall inspect every thermostat and electrical switch for the presence of liquid mercury. Thermostats and electrical switches that contain mercury shall be carefully removed in accordance with the EPA - Hazardous Waste “Universal Waste” Guidance Documents and regulations, from their mounted position, wrapped to prevent breakage, and placed in a sealable, rigid, labeled container with absorbent material in the bottom. The Contractor shall arrange to have the mercury properly transported to and recycled by an authorized recycling facility. Provide to the owner, copies of shipping papers, manifest, and documentation demonstrating that the mercury has been properly transported and delivered to an approved recycling/disposal facility upon project completion. All mercury containing materials will be properly removed, stored, and disposed following all local, state, and federal guidelines and current regulations.

Nickel-Cadmium, Lead-Acid, and Other Metal-Containing Batteries, Nuclear Power Source Emergency Lighting

The Contractor shall check all batteries in emergency lighting fixtures, emergency exit signs, generators and battery charging systems, and other electrical equipment or components for batteries that may contain heavy-metals. This also includes any emergency lighting that has a nuclear power source. All batteries shall be removed in accordance with the EPA - Hazardous Waste “Universal Waste” Guidance Documents and regulations and placed in a separate sealable container and delivered to an approved recycling/disposal facility. Provide to the owner documentation demonstrating that all batteries containing hazardous components have been properly removed, transported, and disposed upon project completion following all local, state, and federal guidelines and current regulations.

The Contractor shall remove from the premises all regulated and general waste following all removal, transport, and disposal codes and regulations for each of the waste materials encountered. If needed have them properly containerized, transported, and disposed in accordance with applicable local, state, and federal regulations.

HVAC Refrigerant Evacuation

As required if needed, the Contractor shall conduct HVAC Refrigerant Evacuation on all HVAC systems scheduled for demolition (see demolition pages within the architects plans and specifications for this project). Refrigerant evacuation must use a state of California approved capture system prior to disturbance of the HVAC equipment (approved capturing method). All captured refrigerants shall be removed, processed, handled, and disposed of in accordance with all local, state, and federal requirements. Provide the owner documentation demonstrating that all HVAC Refrigerant Evacuation components will be properly met prior to disturbance of the HVAC equipment. As needed / required, proper personal protective equipment (PPE) will need to be in place.

Provide the owner documentation demonstrating that all Universal Waste (regulated and general waste) has been properly removed, transported, recycled and/or disposed following all local, state, and federal guidelines and current regulations.

Prepared by:

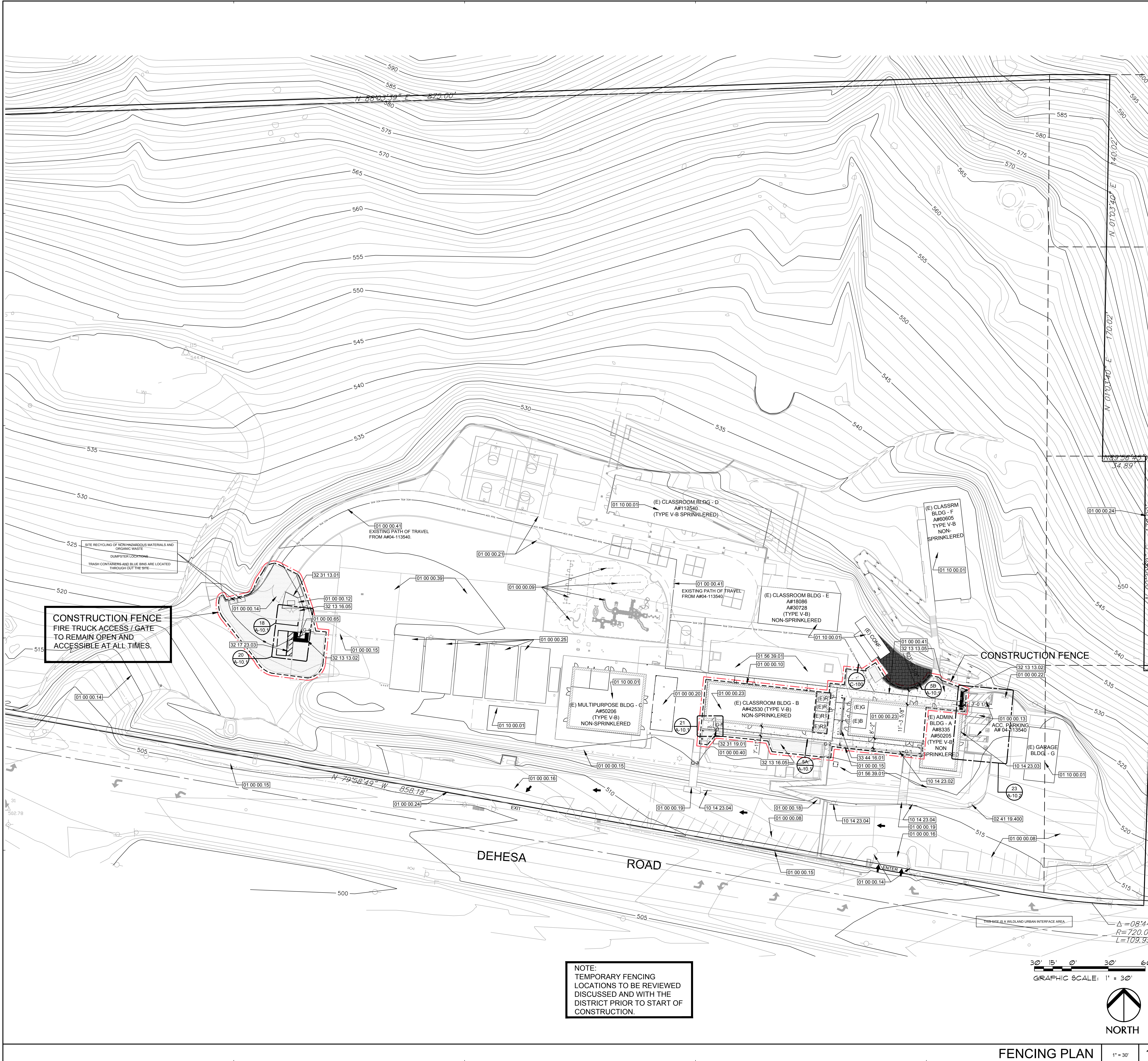


David Christy
Partner - WEST

Certified Asbestos Consultant / CAC# 92-0703

☎ Tel: (858) 271-1842 (office) / ☎ Tel: (619) 571-3987 (cell)

☎ FAX: (858) 271-1856 / ✉ Email: gowestdc@msn.com



- REFERENCE KEYNOTES
- DIVISION 01 - GENERAL
- 01 00 00.08 - EXISTING PARKING STRIPPING TO REMAIN.
 - 01 00 00.09 - EXISTING PLAY EQUIPMENT TO REMAIN.
 - 01 00 00.10 - EXISTING ACCESSIBLE DRINKING FOUNTAIN. REF. DETAIL 18/A-10.7.
 - 01 00 00.12 - EXISTING TRASH ENCLOSURE TO REMAIN.
 - 01 00 00.13 - EXISTING ACCESSIBLE PARKING STRIPPING TO REMAIN.
 - 01 00 00.14 - EXISTING GATE TO REMAIN.
 - 01 00 00.15 - EXISTING FENCE TO REMAIN.
 - 01 00 00.16 - EXISTING ASPHALT TO REMAIN.
 - 01 00 00.18 - EXISTING RAMP TO REMAIN A# 50205.
 - 01 00 00.19 - EXISTING CONCRETE STAIRS TO REMAIN.
 - 01 00 00.20 - EXISTING LUNCH SHELTER TO REMAIN. PROTECT IN PLACE.
 - 01 00 00.21 - 20' WIDE FIRE LANE
 - 01 00 00.22 - EXISTING FIRE HYDRANT
 - 01 00 00.23 - EXISTING BUILDING IN THE SCOPE OF WORK.
 - 01 00 00.24 - PROPERTY LINE
 - 01 00 00.25 - EXISTING 24'X40' RELOCATABLE CLASSROOM, NOT IN CONTRACT (N.I.C.)
 - 01 00 00.39 - EXISTING PLAY FIELD TO REMAIN
 - 01 00 00.40 - EXISTING DIRT AREA TO REMAIN.
 - 01 00 00.41 - PATH OF TRAVEL FOR OVERALL SITE PER ACCESSIBLE REQUIREMENTS
 - 01 00 00.65 - EXISTING GATE TO BE REMOVED AND RE-INSTALLED TO MEET ACCESSIBILITY REQUIREMENTS. REF. 20/A-10.1.
 - 01 10 00.01 - BUILDING NOT IN CONTRACT, NOT IN SCOPE OF WORK.
 - 01 56 39.01 - EXISTING LANDSCAPE AREA TO REMAIN PROTECT.
- DIVISION 02 - EXISTING CONDITIONS
- 02 41 19.400 - EXISTING PARKING DIRECTIONAL SIGN INDICATING LOCATION OF ACCESSIBLE PARKING.
- DIVISION 10 - SPECIALTIES
- 10 14 23.02 - PROVIDE ISA DIRECTIONAL SIGN PER DETAIL 29/A-10.1.
 - 10 14 23.03 - PROVIDE TOW AWAY SIGN PER DETAIL 30/A-10.1.
 - 10 14 23.04 - PROVIDE "NO PARKING, NO STUDENT DROP-OFF OR PICK-UP". REF. DETAIL 25/A10.1
- DIVISION 32 - EXTERIOR IMPROVEMENTS
- 32 13 13.02 - PROVIDE TRUNCATED DOMES. REFERENCE CIVIL DWGS.
 - 32 13 13.05 - PROVIDE CONCRETE FLATWORK. REF. CIVIL
 - 32 13 16.05 - PROVIDE AC PAVING OVERLAY. REF. CIVIL. ALL TRANSITIONS TO BE FLUSH.
 - 32 17 23.03 - PROVIDE STRIPING FOR ACCESSIBLE PASSENGER DROP-OFF AND LOADING ZONE.
 - 32 31 13.01 - CHAINLINK FENCE AND POSTS TO MATCH EXISTING. LOCATE IN ORIGINAL LOCATION. PROVIDE SLATS TO MATCH EXISTING GATES. REF. CIVIL FOR EXTENT.
 - 32 31 19.01 - PROVIDE GATE AND FENCE ASSEMBLY PER DETAIL 6/A-10.1.
- DIVISION 33 - UTILITIES
- 33 44 16.01 - UTILITY TRENCH DRAIN. REF. CIVIL.

- SITE PLAN LEGEND
- CONCRETE PAVEMENT.
 - ASPHALT OVERLAY.
 - TRUNCATED DOMES.
 - LANDSCAPE (DIRT/GRASS)
 - SCOPE OF WORK LIMITS
 - ACCESSIBLE F.O.T. Δ# 04-113540
 - ACCESSIBLE F.O.T.
 - TEMPORARY FENCE

SPROTTE | WATSON
ARCHITECTURE | PLANNING

CONSULTANT

DEHESA ELEMENTARY SCHOOL
CONSTRUCTION DOCUMENTS
DEHESA SCHOOL DISTRICT
4612 DEHESA ROAD
EL CAJON, CA 92019

REVISIONS

DESCRIPTION
FENCING PLAN

DATE
01.25.24

JOB #
22-0400

SHEET #
A-1.1A