

Business Services Contracts Office

5735 47th Avenue • Sacramento, CA 95824

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Gerardo Castillo, Chief Business Officer Kimberly Teague, Contract Specialist

ADDENDUM NO. 2

Date:

April 15, 2016

Issued by:

Sacramento City Unified School District

Project: Window System Replacement for New Joseph Bonnheim Charter School

You are hereby notified of the following changes, clarifications, or modifications to the original Contract Documents, Specifications, and Drawings. This Addendum shall supersede the original project documents, and shall take precedence over anything to the contrary therein. All Addenda shall be acknowledged in the Bid Form. Failure to do so may result in disqualification of the bid. All other conditions remain unchanged.

GENERAL

ITEM # 1.1 See attached Asbestos and Lead Building Inspection/Survey, prepared by National Analytical Laboratories, Inc., for information on the presence of asbestos and lead in the areas of work specified in this project.

As discussed during the mandatory site walk, classroom materials will be moved away from work areas by the District, prior to start of construction.

SPECIFICATIONS

ITEM # 1.3 Section 08 51 13 – Item # 2.3.A.1.b – Glass and Glazing: Change the glass listed under this item (i.) from 1/4" clear laminated glass to insulated glass assembly, as shown under Section 08 81 00 – Glass and Glazing, Item # 2.4.A.2. Tempered safety glass may be used, in insulated glass replacement windows, where required as indicated in the elevation drawings.

DRAWINGS

ITEM # 1.4 General:

A. Refer to Details D1 and D4 on Sheet A201 – Exterior Glazing Elevations & Details, for scope of interior and exterior paint work.

Joseph Bonnheim Elementary School Wings 1-2, 3-7, 8-12, Boy's & Girl's Restrooms

> 7300 Marin Avenue Sacramento, CA 95820

Presented to:

Chris Zunino Facilities Program Specialist

Sacramento City Unified School District 425 First Avenue Sacramento, CA 95818

Inspection Date:

October 26, 2015

Conducted by:

Anthony M. De Arcos
Certified Asbestos Consultant
Certified Lead Inspector/Assessor
Registered Environmental Property Assessor

National Analytical Laboratories, Inc. 2201 Francisco Dr., Ste.140-261 El Dorado Hills, CA 95762

Office: (916) 361-0555 Fax: (916) 361-0540 E-Mail: <u>NAL1@NAL1.com</u> Web Page: www.NAL1.com





October 26, 2015

Chris Zunino
Facilities Program Specialist
Sacramento City Unified School District
425 First Avenue
Sacramento, CA 95818

RE: Asbestos and Lead Building Inspection/Survey

Joseph Bonnheim Elementary School Wings 1-2, 3-7, 8-12, Boy's & Girl's Restrooms 7300 Marin Avenue Sacramento, CA 95820

Dear Mr. Zunino,

The following report is in regards to the asbestos and lead building inspection conducted at Joseph Bonnheim Elementary School, located at 7300 Marin Avenue, in Sacramento, CA. Of the eleven (11) suspected asbestos containing samples collected, three (3) were found to contain asbestos containing construction materials (ACCM). Of the ten (10) suspected lead containing areas tested, ten (10) were found to contain Lead Containing Material (LCM) or Lead Based Material (LBM). Anthony M. De Arcos, Certified Asbestos Consultant, Certified Lead Inspector/Assessor, and Registered Environmental Property Assessor, conducted the inspection on October 26, 2015.

SUMMARY OF FINDINGS -

Based on the asbestos sample results, the Glazing Compound (<100 sf) was found to contain a Trace, <1% of ACCM. All square footage should be verified by contractor.

Based on the lead sample results, the 6" Green Ceramic Wall Tile, Metal Casement Windows Multi-Colored Paint, Stucco Multi-Colored Paint, Tan-Green Paint, Tan-Yellow Paint, Window Glazing Compound, and Wood Window Trim Multi-Colored Paint surfaces were found to contain LCM/LBM levels above the OSHA Limit of Detection. Therefore, the employer must ensure that the worker is properly trained in accordance with Title 8 (Cal/OSHA 8 CCR 1532 (1) (2) and shall produce evidence that the worker is not being exposed above the Action Level (AL) and/or the Permissible Exposure Limit (PEL). In the event that no current data is readily available for the worker(s), then the employer shall conclude that the worker is being exposed above the PEL. This SHALL trigger the employer to provide advanced training and certifications for the employees working with LCM.

Asbestos and Lead Building Inspection/Survey Joseph Bonnheim Elementary School Wings 1-2, 3-7, 8-12, Boy's & Girl's Restrooms 7300 Marin Avenue, Sacramento, CA

October 26, 2015 Page 3 of 7

SECTION I: ASBESTOS INSPECTION -

The inspection was completed according to the EPA's Asbestos Containing Building Materials (ACBM) In-Schools Rule; 40 CFR 763.85 (Inspection and Re-Inspection). Currently, EPA regulations classify ACBM as materials containing more that 1-percent (1%) of asbestos. Cal-OSHA currently regulates asbestos to 1/10th of 1% (0.1%) and requires that a certified asbestos worker conduct this work.

Upon completion of the visual inspection, the suspect asbestos bulk sample materials were collected in accordance with EPA and OSHA protocol. They were placed into new, air tight, plastic bags, sealed, and identified with unique identification numbers. The bulk samples were transported to the laboratory under chain of custody protocol for analysis.

No destructive only renovation sampling was conducted during the site visit. In the event that future renovation and/or demolition work reveals any unforeseen suspect materials; the contractor shall either treat the unforeseen suspect materials as ACCM or the Contractor shall cease work and contact the project manager for further testing.

MicroTest Laboratories, Inc. located in Fair Oaks, California analyzed the bulk suspect asbestos containing samples utilizing Polarized Light Microscopy (PLM) Method. National Voluntary Laboratory Accreditation Program (NVLAP) Certification #200999-0 certifies MicroTest.

Although not all the areas or materials throughout the site were sampled, the like materials that were not tested will be treated as homogeneous to the materials that were tested, and will be considered as containing ACCM.

The location and results of suspect samples found to contain ACCM are as follows:

Sample ID#	Material Description	Sample Location	Category	Results
7300-7	Glazing Compound	Wing 1-2, North Window Bank, Center	PC - 0.25 %	Trace, <1% Chrysotile
7300-8	Glazing Compound	Wing 3-7, North Window Bank, East End	PC - < 0.25 %	Trace, <1% Chrysotile
7300-9	Glazing Compound	Wing 8-12, North Window Bank, West End	PC - 0.25 %	Trace, <1% Chrysotile

sf = Square Feet; PC = Point Count

Based on the regulatory requirements by the National Emission Standards for Hazardous Air Pollutants (NESHAP), Regulation 40 CFR, Part 61, Subpart M the following must occur "If the asbestos content is less than 10 percent, verification shall be made using the point counting method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1.7.2.4, Polarized Light Microscopy, Qualification of Asbestos Content."

The Glazing Compound samples were found to contain a Trace, <1% amount of Chrysotile asbestos were re-analyzed utilizing the EPA 600/M4-82-020, Point Count Method to determine if

Asbestos and Lead Building Inspection/Survey Joseph Bonnheim Elementary School Wings 1-2, 3-7, 8-12, Boy's & Girl's Restrooms 7300 Marin Avenue, Sacramento, CA October 26, 2015

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the amount of asbestos is less than or greater than 1%. The results for the Glazing Compound samples were found to contain <0.25% and 0.25% asbestos. Based on the results, the surface materials will be treated to contain a Trace, <1% Chrysotile asbestos containing construction material (ACCM).

Although neither EPA nor Local County Air Quality regulates materials at <1% level, it does fall under the jurisdiction of OSHA in regards to worker protection. OSHA regulates the material at 1/10th of 1% [8 CCR-1529 (r) (1) Asbestos Containing Construction Material (ACCM)]. Based on this, the work must be completed by a certified asbestos contractor. The **CONTRACTOR** shall be required to call the landfill to verify that they will accept the waste as general construction debris. If the landfill does not accept the material as general construction debris, the material shall be **REQUIRED** to be disposed of as non-friable/non-hazardous material

A certified asbestos abatement contractor must be retained to remove the above materials containing the Trace (<1%) amount prior to the demolition of the three (3) North window banks, located on Wings 1-2, 3-7, and 8-12 at the site. During the removal of the materials, the debris will be placed into an open top waste bin. The bin will have "Asbestos Hazard" signs posted around the perimeter of the waste bin. Upon completion of the removal process, the bin will be covered, the signs will be removed and the debris will be disposed of as general construction debris at a non-regulated waste facility.

The following samples were non-asbestos containing materials:

Sample ID#	Material Description	Sample Location	Results
7300-1	Stucco	Wing 1-2, North End, Center	None Detected
7300-2	Stucco	Wing 3-7, East End	None Detected
7300-3	Stucco	Wing 8-12, West End, North End	None Detected
7300-4	Plaster	Bathroom, Southeast Of Office, Girls, East Side	None Detected
7300-5	Plaster	Bathroom, Southeast Of Office, Girls, South End, West End	None Detected
7300-6	Plaster	Bathroom, Southeast Of Office, Boys, North End	None Detected
7300-10	6" Ceramic Tile Grout	Bathroom, Southeast Of Office, Girls & Boys Rooms	None Detected
7300-11	Mortar	Bathroom, Southeast Of Office, Girls & Boys Rooms	None Detected

ASBESTOS RECOMMENDATION -

Federal and state regulations require that anyone disturbing asbestos containing materials are properly trained certified and have the required respiratory protection and medical surveillance.

N.A.L. recommends that a certified asbestos abatement contractor be retained to remove the trace materials prior to any scheduled renovation/demolition work being completed at the site. Prior to the work process starting, a work plan or specifications in regards to the abatement process should be completed and distributed to the abatement contractors during the job walk at the site.



Joseph Bonnheim Elementary School Wings 1-2, 3-7, 8-12, Boy's & Girl's Restrooms 7300 Marin Avenue, Sacramento, CA October 26, 2015 Page 5 of 7

On-Site Observation should be conducted by N.A.L.'s Certified Asbestos Consultant or Certified Site Surveillance Technician to verify that the work plan/specification is being followed. Once a certified asbestos contractor has removed the ACCM, following EPA and OSHA requirements; a visual inspection and air clearance sampling should be completed. Clearances will confirm that the general contractor can reoccupy the work area(s), without concern for exposure to asbestos airborne fibers to their employees thus allowing the renovation or demolition work to be completed by the general contractor.

SECTION II: LEAD INSPECTION -

The lead suspect samples were collected according to the Housing Urban Development (HUD) Guidelines, the Environmental Protection Agency (EPA) and California Public Health Department (formally DHS), who regulate and require the abatement or in-place management of LCM/LBM hazards equal to or greater than 1.0 milligram per square centimeter (1.0 mg/cm2) of lead by XRF Analysis or more than 0.5% lead by weight by laboratory flame atomic absorption. The following regulation shall be adhered to because OSHA considers all surfaces to contain lead: OSHA's 29 CFR 1926.62, California Occupational Safety and Health Standard, Title 8 (Cal/OSHA 8 CCR 1532.1).

Upon completion of the visual inspection, suspect painted finishes and/or materials were sampled for potential lead content, in accordance with EPA and OSHA protocol. They were labeled with a unique identification number and analyzed.

Michael J. Lee, utilizing the Thermo Scientific Portable X-ray Fluorescent (XRF) analyzer, analyzed the lead samples. When a sample is measured using XRF, each element present in the sample emits its own unique fluorescent x-ray energy spectrum. By simultaneously measuring the fluorescent x-rays emitted by the different elements in the sample, we can rapidly determine the presence of lead in the sample.

Once the determination is made on where the LCM/LBM is located, the In-place Management or the Abatement of the LCM/LBM can commence. If the In-Place Management method is to be used, prior to the repainting of the effected surface areas, the loose flaky paint must be removed until the remaining paint adheres smoothly to the substrate. Once this task is completed, the surface area can be repainted without the possibility of paint being dislodged and falling to the floor or ground areas. If the Abatement method of all surfaces is to be completed, then the debris and any loose flaky paint must be bagged or burrito wrapped prior to the removal of the debris from the work area(s) and subsequently the site. Because the samples listed below were found to contain LCM/LBM, all areas where the LCM/LBM will be disturbed will require abatement, encapsulation, and/or prep work by a certified lead worker.

Although not all the rooms or materials (non-suspect) were sampled, the like materials that were not tested will be treated as homogeneous, and the materials will be treated as containing LCM/LBM throughout the site.



Joseph Bonnheim Elementary School Wings 1-2, 3-7, 8-12, Boy's & Girl's Restrooms 7300 Marin Avenue, Sacramento, CA October 26, 2015 Page 6 of 7

The locations and results of the suspect samples found to be LCM/LBM are as follows:

Sample ID#	Material Description	Sample Location/Component	Condition	Mg/cm2
7300-266- 69-1L	Window Glazing Compound	Wing 1-2, South Window Bank, Center	Fair	1.1 – LBM
7300-270- 72-2L	Window Glazing Compound	Wing 3-7, North Window Bank, West Side	Fair	Homogeneous to Sample 1L
7300-273- 75-3L	Window Glazing Compound	Wing 8-12, North Window Bank, East Side	Fair	Homogeneous to Sample 1L
7300-276- 78-4L	Wood Window Trim Multi-Colored Paint	Wings 1-2, 3-7, & 8-12, North Window Bank, Various Areas	Fair	0.4 – LCM
7300-279- 81-5L	Metal Casement Windows Multi- Colored Paint	Wings 1-2, 3-7, & 8-12, Various Areas	Fair	0.4 – LCM
7300-282- 85-6L	Stucco Multi-Colored Paint	Wings 1-2, 3-7, & 8-12, North Window Bank, Various Areas	Fair	0.4 – LCM
7300-286- 88-7L	Tan-Yellow Paint	Bathroom, Southeast Of Office, Girls, East Plaster Wall	Fair	0.22 - LCM
7300-289- 91-8L	Tan-Green Paint	Bathroom, Southeast Of Office, Boys, North Plaster Wall	Fair	0.5 – LCM
7300-292- 94-9L	6" Yellow Ceramic Wall Tile	Bathroom, Southeast Of Office, Girls, East Plaster Wall	Fair	9.8 – LBM
7300-295- 97-10L	6" Green Ceramic Wall Tile	Bathroom, Southeast Of Office, Boys, East Plaster Wall	Fair	6.2 – LBM

Prior to the demolition work being completed and/or the transporting of the debris from the site, Health and Safety Code 25157.8 (AB 2784 National Resources) requires that all lead debris be sampled for Waste Characterization. This will assist the Contractor in making a determination of whether or not the material is to be considered Hazardous or Non-Hazardous Lead waste or general construction debris. The sequence of testing to be completed by the Contractor is as follows:

- Total Threshold Limit concentration (TTLC) with a result of 50 mg/kg or more but less than 1,000 mg/kg of lead must be retested using the Soluble Threshold Limit concentration (STLC) method;
- A STLC result of 5.0 mg/L or greater is considered California Hazardous Waste;
- Total Characteristic Leaching Procedure (TCLP) testing shall only be accomplished when approved by the Owners Representative; This procedure shall be generally reserved for out-of-state shipments; and A TCLP result of 5.0 mg/L or more deems the waste Federal RCRA materials; and
- The California hazardous waste threshold for total lead using STLC is 5 mg/L and
- Lead paint that is intact on a surface does not permit the material to be classed as non-hazardous. Waste profiling shall be accomplished if the paint contains more than 350 ppm by Flame AAS. Exception: Metals that are coated with paint are to be recycled.

Joseph Bonnheim Elementary School Wings 1-2, 3-7, 8-12, Boy's & Girl's Restrooms 7300 Marin Avenue, Sacramento, CA October 26, 2015 Page 7 of 7

LEAD RECOMMENDATION -

In order to stabilize the current lead conditions, N.A.L. recommends Lead Certified Workers certified by The California Department of Public Health or/a EPA certified Renovator, Repair and Painting (RRP) designation, conduct in-place management work of the LCM/LBM surfaces scheduled for renovation/demolition. Once the abatement, in-place management, and/or prep work is completed and the areas are stabilized, the existing surfaces will be in good condition and not create a health or safety concern to the workers conducting the general construction work at the site. A Scope of Work and/or specifications should be utilized to conduct the lead work at the site.

Included at the end of this report are the laboratory analytical results, chain of custody form, and sample map. If you have any questions regarding this report or if we can be of further assistance, please contact our office.

Reviewed and submitted by:

Contrary M. De arcos

Anthony M. De Arcos Certified Asbestos Consultant, DOSH # 92-0261 Certified Lead Inspector/Assessor, CDPH # 2406 Registered Environmental Property Assessor, REPA # 938322039











N.A.L. LOG-IN RECORD

Page 1 of I **Login # 35841**

Phone: 916.361.0555; Fax: 916.361.0540

National Analytical Laboratories, Inc.

Client#-Lot#

1465 / 1498

Sacramento City Unified School District

Phone Number

FAX Number

Contact

Chris Zunino

E-Mail Address

Job Site/Job #;

Joseph Bonnhein Elementary School

7300 Marin Avenue

Sacramento, CA 95820

3227

Date 10/26/2015

Sampling Date: 10/26/2015

Sampling Time 10:00:00 AM

Type Of Work: PLM-BI

No. of Samples 11

Turnaround: 6 hours

Num.	Sample ID#	Location/Description	
1	7300-1	Wing 1-2, North End, Center / Stucco*	46545
2	7300-2	Wing 3-7, East End / Stucco	46
3	7300-3	Wing 8-12, West End, North End / Stucco	417
4	7300-4	Bathroom, Southeast Of Office, Girls, East Side / Plaster*	43
5	7300-5	Bathroom, Southeast Of Office, Girls, South End, West End / Plaster	49
6	7300-6	Bathroom, Southeast Of Office, Boys, North End / Plaster	50
7	7300-7	Wing 1-2, North Window Bank, Center / Glazing Compound*	(2
8	7300-8	Wing 3-7, North Window Bank, East End / Glazing Compound	52
9	7300-9	Wing 8-12, North Window Bank, West End / Glazing Compound	s3
10	7300-10	Bathroom, Southeast Of Office, Girls & Boys Rooms / 6" Ceramic Tile G	rout SY
11	7300-11	Bathroom, Southeast Of Office, Girls & Boys Rooms / Mortar	22

IF RESULTS ARE LESS THAN 1%, PLEASE 400 POINT COUNT;

TEST TILL FIRST POSITIVE*

Released By Signature	Chain of Custod	Received By Signature	Date/	
Onthery M. D. areas	10/26/15 1645	Mus Non	100 W/3	Due
Released By Signature	Date/ Time	Received By Signature	Date// Time	At:

MicroTest™ Laboratories, Inc. NVLAP Lab Code 200999-0 5150 Sunrise Blvd, Suite B-1 Fair Oaks, CA 95628 Phone (916) 567-9808 or (800) 713-3334 microtestlabsinc@yahoo.com

Client: NAL Contact Name: Anthony De Arcos Accession: 46545-46555

2201 Francisco Drive, Suite 140-2611 Contact Name: Paula Lee

El Dorado Hills, CA 95762 Sampler: Anthony De Arcos Analyst: M. Nguyen .

Project: Joseph Bonnhein Elementary School **Sampling Date**: 10/26/15

7300 Marin Avenue Receipt Date: 10/26/15 Samples Received: 11
Sacramento, CA 95820 Report Date: 10/27/15 Samples Analyzed: 11, 3 P.C.

Polarized Light Microscopy Test Report, EPA/600/R-93/116

Sample 1D	Description	Fibrous/ Fibrous M		Asbestiform Minerals	
Wing 1-2 7300-1 Lab ID: 46545	Gray Stucco	Binder	99%	None Detected	
Wing 3-7 7300-2 Lab ID: 46546	Gray Stucco	Binder	99%	None Detected	
Wing 8-12 7300-3 Lab ID: 46547	Gray Stucco	Binder	99%	None Detected	
Bathroom 7300-4 Lab ID: 46548	White Plaster	Binder	99%	None Detected	
Bathroom 7300-5 Lab 1D: 46549	White Plaster	Binder	99%	None Detected	
Bathroom 7300-6 Lab ID: 46550	White Plaster	Binder	99%	None Detected	
Wing 1-2 7300-7 Lab ID: 46551 (a)	Gray Glazing Compound	Binder	99+%	Trace Chrysotile Asbestos (<1%)	
Lab ID: 46551 (b)	400 Point Count			0.25% Chrysotile Asbestos	
Wing 3-7 7300-8 Lab ID: 46552 (a)	Gray Glazing Compound	Binder	99+%	Trace Chrysotile Asbestos (<1%)	
Lab ID: 46552 (b)	400 Point Count			<0.25% Chrysotile Asbestos	
Wing 8-12 7300-9 Lab ID: 46553 (a)	Gray Glazing Compound	Binder	99+%	Trace Chrysotile Asbestos (<1%)	
Lab ID: 46553 (b)	400 Point Count			0.25% Chrysotile Asbestos	
Bathroom 7300-10 Lab ID: 46554	White Grout	Binder	99%	None Detected	
Balhroom 7300-1 1 Lab ID: 46555	Gray Mortar	Binder	99%	None Detected	

This constitutes a final report. Due to the limitations of PIM, some samples classified as containing to asbestos in materials such as floor No., warrant a recommendation for further analysis by TEM. These results relate only to the items tested. This report shot not be reproduced except in Null, without the written approval of the laboratory. This report must not be used by the client to claim product endorsement by NVIAP or any agency of the U.S. Government. All samples may be disposed after 30 days, according to State/Federal guidefines, unless otherwise specified.

All samples were seceived in acceptably-condition uniques noted.

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Laboratory Director: Rebecca Hutty Analyst: A. Nagra Analyst: M. Nguyen



I. V. N.

