

Central Unified
4605 N. Polk Avenue
Fresno CA 93722

Purchase Order No.
The number below MUST appear on all invoices, pkgs., etc.
193833

(559) 274-4700

FAX: ()

CC: Anita L.
CC: Dina B.

Invoice To:

Ship Prepaid To:

CENTRAL UNIFIED SCHOOL DISTRICT 8100 - CENTRAL USD FACILITIES
ACCOUNTS PAYABLE(559-274-4700) MARIA S. (559)274-4700x63101
4605 N POLK 4605 N. POLK
FRESNO CA 93722-5334 FRESNO CA 93722-0000

P.O. Date: 11/20/2018

Req Date: 11/19/2018

TO: VE# 1358 FAX# (559) 436-0279 Phone# (559) 436-0277

HAZARD MANAGEMENT SVCS INC
371 E BULLARD STE 109
FRESNO CA 93710

Remit To:

HAZARD MANAGEMENT SVCS INC
207 MCHENRY AVE
MODESTO CA 95354-0543

Quantity Ordered	Unit of Measure	Description of Articles or Service	Unit Price	Total Cost
1	Each	FACILITIES: MADISON ELEMENTARY SCHOOL MODERNIZATION B055	\$0.00	\$0.00
1	Each	PROPOSAL DATED: 11.19.18; FORENSIC ANALYTICAL ENVIRONMENT HEALTH CONSULTANTS - DIVISION OF HMS	\$8,118.00	\$8,118.00
1	Othr	JE: 2104.8500.620018 "SPECIFIC" PO - VALID UNTIL JUNE 30, 2019 INVOICE NOT TO EXCEED PO AMOUNT FREIGHT DELIVERIES BY APPT ONLY DELIVERIES NOT SHIPPED TO "SHIP PREPAID" ADDRESS WILL BE REFUSED. PO SUBJECT TO PO TERMS AND CONDITIONS - see www.centralunified.org **VENDOR MUST CHECK-IN AT MAIN OFFICE	\$0.00	\$0.00
			Sub Total:	\$8,118.00
			Discount:	\$0.00
			Tax:	\$0.00
			P.O. Total:	\$8,118.00

Requested By:	MARIA D SANTOS	Authorized By:	tt	Requisition #:	194076
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Fu---Re----Y-Gl---Fn---Ob-----Si--RP---Mg
2104-00000-0-0000-8500-580000-005-4855-8105

Amount
\$8,118.00

1. If unable to fill order or invoice exactly in accordance with description, unit and price heron, do not ship. Advise us.
2. If price is omitted on order it is agreed that your price will be the lowest prevailing market price.
3. Orders not received on date specified may be cancelled by us.
4. Goods subject to our inspection on arrival.
5. There must be a separate invoice for each purchase order.
6. On orders F.O.B. Shipping Point prepay shipping charges, add to invoice, and attach paid freight bill as evidence of prepayment charges.
7. All materials, supplies and equipment must comply with requirements of the California Occupational Safety and Health Act and all electrical equipment must comply with three wire grounding requirements

Approved

Yolanda Ballue
NOV 20 2018



Forensic Analytical

ENVIRONMENTAL HEALTH CONSULTANTS

November 19, 2018

To: Mr. Joseph Martinez, Director
Facilities Planning
Central Unified School District
4605 N. Polk Ave.
Fresno, CA 93722

josephmartinez@centralusd.k12.ca.us
Phone: 559-274-4700 x 63100

From: Joseph Vuglia, Project Manager
Forensic Analytical Consulting Services
371 E. Bullard Ave., Suite 109
Fresno, CA 93710

jvuglia@forensicanalytical.com
Phone: 559-436-0277

**Subject: Proposal for Asbestos and Lead Survey
Madison Elementary School – Modernization Project**

Dear Mr. Martinez:

Hazard Management Services (HMS), a division of Forensic Analytical Consulting Services, Inc. (FACS), is pleased to provide Central Unified School District with the following proposal for an asbestos and lead paint survey for the planned modernization project at Madison Elementary School, located at 330 S. Brawley Avenue, in Fresno, California. The survey is intended to fulfill the requirements of the San Joaquin Valley Air Pollution Control District (SJVAPCD) and US EPA for a pre-project asbestos survey. The survey is also intended to identify lead-containing paints or coatings for compliance with California Department of Public Health, Cal/OSHA, and US EPA rules and regulations for lead.

We understand that the modernization project will be limited to work in the Multipurpose Building (J), both Kindergarten Buildings (A and C), and six Classroom Buildings (B, D, E, D, G and H), as depicted on the architectural drawings provided by SIM-PBK. As directed by you; however, the survey will not be limited to the buildings or areas included in the modernization project but will instead include all previously unsampled materials found throughout the site.

FACS Scope of Work

1. FACS personnel will review existing reporting and sampling records for this site, including surveys for prior projects, AHERA 6-Month Surveillance Inspections, and AHERA 3-Year Reinspections in order to limit the number of samples needed to complete the materials records for this site.
2. FACS will perform a pre-project survey of suspect building materials in all areas at the site. Existing materials inventories (Functional Space Notes) for each building will be reviewed to determine which materials have not been previously sampled, and samples of such materials will be collected.
3. The asbestos survey will be performed by personnel with the EPA AHERA-accreditation as an asbestos Building Inspector and Cal/OSHA certification as an asbestos Certified Site Surveillance Technician or a Certified Asbestos Consultant. The survey will be supervised, directed and reviewed by a Cal/OSHA Certified Asbestos Consultant as required by regulation.
4. The EPA AHERA bulk sampling protocol will be followed including: identification of homogeneous areas; 3, 5, 7 sample rules for surfacing materials; and "sufficient to determine" sample rules for other materials. Wherever feasible, a minimum of two samples of each homogenous material will be collected.



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www.forensicanalytical.com

5. All samples will be analyzed by PLM using EPA Method 600/R-93-116, Visual Area Estimation, by Forensic Analytical Laboratories, Inc. (FALI).
6. Based on sample results, all materials will be categorized as Asbestos-Containing Material (ACM, >1% asbestos) per EPA or as non-ACM (no asbestos detected).
7. Materials with analytical results ranging from Trace to 10% will be categorized as ACM (>1% asbestos) as required by EPA unless point-count analysis is performed on each sample of the homogeneous material with detectable asbestos to determine if the material is non-ACM.
8. ACM will be categorized as Regulated Asbestos-Containing Material (RACM), Category I ACM, or Category II ACM.
9. The lead survey will be performed by personnel with California Department of Public Health (CDPH) certification as a lead Sampling Technician or lead Inspector / Risk Assessor. The lead survey will be supervised, directed and reviewed by a CDPH lead Inspector / Risk Assessor as required by regulation.
10. The lead survey will be performed using an X-Ray Fluorescence Spectrum (XRF) analyzer to identify lead-containing materials, with bulk sample collection to verify "no lead" XRF test readings as needed. The lead survey will be conducted in accordance with the CDPH Lead-Related Construction Program and will be modeled on the sampling protocol established in the US HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.
11. Any bulk samples collected to verify XRF results will be analyzed by Atomic Absorption Spectrometry using EPA Method 3050B/7420 by FALI.
12. Based on XRF testing and bulk sample results, all materials suspect for containing lead will be categorized as lead-free, lead-containing, or lead-based.
13. If lead-based paints are identified, a determination will be made regarding applicability of the US EPA Renovation, Repair and Painting (RRP) rule, which regulates construction-related disturbance of lead-based paint in child-occupied facilities constructed prior to 1978.
14. The survey report will include:
 - a. Introduction and summary
 - b. Table of materials and analytical results
 - c. EPA Category of identified or assumed ACM
 - d. Quantities of ACM
 - e. Identification of lead-based and lead-containing materials and quantities
 - f. Conclusions and recommendations
 - g. Laboratory analytical reports
 - h. Sample data sheets and chain of custody forms
 - i. Diagrams of sample locations
 - j. Photographs of project areas and materials to be disturbed
 - k. Certifications of personnel and laboratories

The following table shows the estimated fees for labor, expenses, and analysis of samples for the proposed services.



Asbestos & Lead Survey Costs

<u>Task</u>	<u>Rate/Unit</u>	<u>Unit</u>		<u>Total</u>
Document Review (Project Manager)	\$ 75.00	6	Hrs.	\$ 450.00
Asbestos Survey (Technician)	\$ 70.00	27	Hrs.	\$ 1890.00
XRF Lead Survey	\$ 125.00	8	Hrs.	\$ 1000.00
Review and Report Generation (Project Manager)	\$ 75.00	8	Hrs.	\$ 600.00
Lab Analysis - Asbestos	\$ 20.00	156	Ea.	\$ 3120.00
Lab Analysis - Lead	\$ 25.00	8	Ea.	\$ 200.00
Shipping	\$ 30.00	1	Ea.	\$ 30.00
Administrative/Project Coordination	\$ 45.00	2	Hrs.	\$ 90.00
Contingency (10%)				\$ 738.00
Total Estimated Cost				\$8,118.00

Lab analytical costs are based on a 3-5 business-day laboratory turnaround time. If interpretation of PLM results indicates a potential benefit from point-count analysis, we will inform you in a phone call or e-mail and provide an estimate of additional costs if they exceed the contingency amount.

Limitations

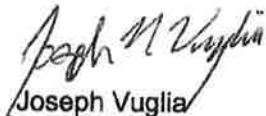
1. Sample quantity estimates are based on FACS experience with similar structures and components, and variety of suspect materials typically found. The existing sampling record will be reviewed to avoid resampling of previously sampled materials, except where needed to verify any inconclusive results. Where possible, homogeneous materials will be grouped to limit the total number of samples required.
2. FACS may find areas that are inaccessible or unsafe to inspect, which may contain suspect materials. FACS will notify you if any such limitations are present and will note such areas in our survey report.
3. Collection of bulk samples is destructive. Inspectors will sample in discrete locations where possible, and limited repairs will be made, such as caulking of holes; however, FACS does not provide any warranty for such repair work.
4. FACS will coordinate with the District for sampling of roofing materials to coincide with favorable weather. FACS will apply a mastic to seal roof core holes; however, any such repair work is not warranted nor intended to replace professional repairs or patching.
5. As noted above, the costs of point-count analysis are not included in this estimate.
6. The District will only be invoiced for actual services rendered, which may total less than the estimated costs. If additional labor or sampling is required, the above rates will apply. Total project cost will not exceed the estimate without your pre-approval.
7. This proposal is for survey-related costs only. If asbestos-containing or lead-containing materials are identified in the survey and remediation is needed to facilitate the modernization project, a separate proposal will be submitted for drafting of remediation specifications, bid and job walk attendance, consultation, project monitoring, and clearance sampling. Costs for these services, or even if they are needed, are dependent on the survey results and cannot be accurately determined in advance.



The total not-to-exceed cost for this project is **\$8,118.00**.

FACS appreciates the opportunity to provide you with this proposal. Please do not hesitate to contact our office at 559-436-0277 if you have any additional questions or concerns. Thank you for the opportunity to assist Central Unified School District with protecting students and staff, protecting contractor personnel and facilitating their compliance with the applicable rules and regulations, and in promoting a more healthful environment.

Best regards,
Forensic Analytical Consulting Services



Joseph Vuglia
Project Manager
Cal/OSHA CAC 13-5005
CDPH I/RA 22314

Reviewed by
Forensic Analytical Consulting Services



Fred Tarazon
Local Director, HMS Fresno
Cal/OSHA SST 16-5738
CDPH ST 27399

REVIEWED BY:


ACKNOWLEDGMENT

The terms and conditions set forth in the above proposal and in the existing contract between HMS, Inc. and FUSD are acceptable and within the approval authority of the undersigned. This acknowledgement shall have the force and effect of Notice to Proceed to provide the proposed services in accordance with stated rates.

Signed: Yolanda Balladares Date: 11/20/18

Print Name and Title Yolanda Balladares

Purchase Order or Work Order Identification 193833

