

MADERA UNIFIED SCHOOL DISTRICT 1902 Howard Road Madera CA 93637 (559) 675-4500 (559) 675-1186 Fax www.madera.k12.ca.us

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**SUPERINTENDENT:** Edward C. González

March 30<sup>th</sup>, 2015

# Addendum No. 1 Re-Roofing Project-Berenda Elementary School BID No.141503

#### **NOTICE TO ALL VENDORS:**

This Addendum is attached to and made a part of the above entitled specifications for Madera Unified School District unified School District with an BID due date of April 2<sup>nd</sup>, 2015 by 2:00 p.m.

All changes and/or clarifications will appear in bold type and deletions will be struck out within a sentence.

#### **Bid Due Date:**

- 1. April  $2^{\text{nd}}_{7}$  2015 by 2:00 p.m.-new Bid Due Date April  $7^{\text{th}}$ , 2015
- 2. See Attached asbestos sampling reports by HMS in regard to asbestos containing materials (ACM). All removal and disposal of related materials are to be handled accordingly as required for this project.
- 3. Revise sections 01 11 00 Summary of Work, 1.3, D 16 & Section 07 31 01, Part 1, 1.2, E. The Existing edge metal is to remain in place and be cleaned, primed and painted per section 09 91 00. Add to the scope of work painting of all outrigger/ beam covers to match the painted edge metal system as discussed at the pre bid meeting
- 4. Revise Section 07 31 01, Part 1, 1.2, F. Low profile dormer vents are to be installed at all buildings a minimum of 20' apart approximately 4' below the site screen.

Addendum must be signed, dated and returned with bid to confirm receipt and acknowledgement.

Signed		 
Date		 
Print Name	2"	

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Management FRESNO OFFICE \* 371 E BULLARD AVENUE SUITE 109 \* FRESNO CA 93710
PHONE (559) 436-0277 \* FAX (559) 436-0279 \* WWW.HAZMANAGE.COM

March 27, 2015

Mr. Curtis Manganaan
Director of Maintenance and Operations
Madera Unified School District
1902 Howard Road
Madera, CA 93637

Limited Asbestos Survey for Renovation Purposes
Berenda Elementary School
Multi-purpose Building and Classroom Building Re-roofing

Dear Mr. Manganaan:

This letter reports the results of the limited survey for asbestos-containing materials (ACM) performed on March 19, 2015, by Hazard Management Services, Inc. (HMS, Inc.) at the site referenced above. This survey was conducted at your request to identify asbestos-containing materials that may be disturbed by re-roofing of four structures at Berenda Elementary School. The structures include the multipurpose building and three classroom buildings. The survey conducted included and was limited to roofing materials on these structures.

The survey was performed by Josh Pyle, and supervised by Joe Vuglia, who are both accredited by the EPA to conduct building inspections for asbestos. There were several building materials observed which are considered "suspect" under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" building materials must be **assumed** to contain asbestos until otherwise determined by laboratory testing. A list of suspect roofing materials that may be disturbed by the planned re-roofing, which were identified, sampled, and included in this survey, can be found in appendix A.

#### **INSPECTION PROTOCOL**

The following inspection process was followed by HMS, Inc. at the above referenced site:

The building roofs were accessible to the inspector.

The building roofs were visually inspected for suspect materials that may be disturbed by the planned re-roofing.

Representative bulk samples of each identified suspect material were collected using a scraper, chisel, or power drill. Sample locations are indicated on the bulk sample chain of custody form, and building diagram included with this report. The samples were analyzed using polarized light microscopy with dispersion staining (PLM) by Forensic Analytical in Hayward, CA, a NVLAP accredited laboratory.

If any materials other than those included in this report are discovered during the roof removal, it must be assumed that the materials contain asbestos and the project should then be halted and re-evaluated.

#### **BULK SAMPLES**

HMS, Inc. collected twenty-two (22) bulk samples of suspect materials identified on the roof of this structure. See the attached appendix and laboratory report for specific analysis information.



#### US EPA AND OSHA COMPLIANCE

#### **US EPA**

The US EPA NESHAP (40 CFR Part 61 - Nov. 20, 1990) requires materials containing greater than one percent asbestos be removed prior to renovation or demolition of a regulated building, if those materials are friable or likely to become friable due to the forces expected to act upon them during renovation or demolition. In California there are "delegated" counties which enforce the NESHAP regulations, and may have regulations more restrictive than the US EPA.

A 10 day waiting period is also required following demolition notification to the US EPA, regardless of the presence or absence of asbestos.

#### Division of Occupational Safety and Health (DOSH or Cal/OSHA)

Cal/OSHA worker health and safety regulations apply during any disturbance of ACM by a person while in the employ of another. This is true **regardless of friability or quantity disturbed**. If there is greater than 100 square feet of asbestos which will be affected by the demolition/renovation, a California Licensed Contractor who is registered with Cal/OSHA for asbestos is required. The regulations regarding asbestos are found in Title 8 CCR Section 1529, and also include formal notification requirements to Cal/OSHA at least 24 hours prior to removal.

#### Contractors State Licensing Board (CSLB)

Pursuant to current CSLB requirements, remediation contractors must carry each specific trade classification license for the materials and systems they will disturb, or carry the B General Contractor's license if they will disturb two or more trade areas. CSLB Asbestos certification is also required with either of these two options. The CSLB has recently added a third license option: effective January 1, 2015, contractors may obtain the C-22 asbestos abatement trade license in lieu of the former options. The C-22 license is an additional option for contractor compliance - it does not replace the previous framework. As noted above, DOSH registration for asbestos related work is required along with any of the CSLB licensing options.

#### **DISCLAIMERS**

The nature of renovation is such that materials can be uncovered which previously were unknown to exist. Therefore, HMS, Inc. cannot be responsible for "hidden materials", although every effort was made during the inspection to detect all suspect materials. If any materials other than those included herein are discovered during renovation or demolition, it must be assumed that the materials are asbestoscontaining, and the project should then be halted and re-evaluated.

If you have any questions regarding this report, please contact our Fresno office at (559) 436-0277.

Sincerely,

Joe Vuglia, CAC 13-5005 Senior Project Manager HMS, Inc. - Fresno

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#### Appendix A

#### LIMITED ASBESTOS SURVEY FOR RENOVATION PURPOSES

### BERENDA ELEMENTARY SCHOOL BUILDING 1 (MULTIPURPOSE), BUILDING 2-4 (CLASSROOM WINGS

Survey Date: March 19, 2015 Report Date: March 27, 2015

#### **BUILDING DESCRIPTION**

The four subject structures at this site share a common construction and roofing history. The roof of each building consists primarily of composition shingles with tar and felt layers and a surface stone layer. Each building roof also has a central mechanical area separated by a screen wall. The mechanical area roofing consists of rolled composition roofing with a white sealant layer. Various mastics are present in the mechanical areas at seams and penetrations. Please refer to the attached sample location drawing for specific materials and sample locations.

#### **BULK SAMPLE RESULTS**

Suspect materials were identified on these roofs, and were sampled and analyzed. Where similar materials exist, they are assumed to be homogeneous and to have similar asbestos content. The following suspect materials were identified and sampled. Material samples were analyzed using polarized light microscopy (PLM) with dispersion staining to estimate the percent of asbestos.

Composition shingle roofing Sealant layer (white)

Rolled composition roofing Mastic (various)

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#### **RESULTS:**

REGOLIO.				
MATERIAL	LOCATION	ASBESTOS CONTENT	NESHAP CATEGORY	
Mastic (black)	Buildings 1-4 mechanical areas, at penetrations*	2-5% Chrysotile	Category II, non-friable	

<sup>\*</sup>As noted in sampling record, asbestos-containing mastic may be concealed under white coating layer, in addition to mastic visible on the surface.

If any additional suspect materials are discovered during the re-roofing project and are not included in this survey, such materials must be assumed to contain asbestos and handled accordingly, or those materials should be sampled for laboratory analysis to determine asbestos content, and then handled accordingly.

Although not required under AHERA, this survey report should be kept with the management plan for this school site. Also, please include this complete report with contract documents and specifications related to the planned re-roofing of this structure. This report should also be included for permitting and notification in order to document compliance with the National Emissions Standard for Hazardous Air Pollutants (NESHAP) for asbestos for the San Joaquin Valley Air Pollution Control District (SJVAPCD).

Written by:

Joe Vuglia, Cal/OSHA CAC 13-5005

Senior Project Manager HMS, Inc. - Fresno



## Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Hazard Mgmt. Services Harry Stevens Fresno Location 371 E. Bullard Ave., Ste. 109 Fresno, CA 93710

Client ID: 1636 Report Number: B203131 Date Received: 03/23/15 Date Analyzed: 03/24/15 **Date Printed:** 03/24/15 First Reported: 03/24/15

Job ID/Site: F15044 - Madera Unified SD, Berenda Elementary School

**FALI Job ID:** 1636 **Total Samples Submitted: 22** Date(s) Collected: 03/20/2015 **Total Samples Analyzed:** Asbestos Percent in Asbestos Percent in Asbestos Percent in Sample ID Lab Number Type Layer Type Layer Type Layer HMS-MUSD-BES-F15044-01A 11622524 Layer: Stones ND Layer: Black Tar ND Layer: Black Felt ND Layer: Stones ND Layer: Black Tar ND Layer: Black Felt ND Layer: Black Felt ND Total Composite Values of Fibrous Components: Asbestos (ND) Cellulose (25 %) Fibrous Glass (10 %) Comment: Bulk complex sample. HMS-MUSD-BES-F15044-01B 11622525 Layer: Stones ND Layer: Black Tar ND Layer: Black Felt ND Layer: Black Tar ND Layer: Black Felt ND Layer: Black Tar ND Layer: Black Felt ND Layer: Black Felt ND Total Composite Values of Fibrous Components: Asbestos (ND) Cellulose (10 %) Fibrous Glass (20 %) Comment: Bulk complex sample. HMS-MUSD-BES-F15044-01C 11622526 Layer: Stones ND Layer: Black Tar ND Layer: Black Felt ND Layer: Black Felt ND Total Composite Values of Fibrous Components: Asbestos (ND) Cellulose (50 %) Fibrous Glass (25 %)

Report Number: B203131 Date Printed

Client Name: Hazard Mgmt. Services					Date Printed		
Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-BES-F15044-01D	11622527						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous C Cellulose (50 %) Fibrous Glass		Asbestos (ND)					
HMS-MUSD-BES-F15044-01E	11622528		NID				
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Cellulose (40 %) Fibrous Glass		Asbestos (ND)					
HMS-MUSD-BES-F15044-01F	11622529						
Layer: Stones	11022327		ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous (Cellulose (40 %) Fibrous Glass		Asbestos (ND)					
And the second s							
HMS-MUSD-BES-F15044-01G	11622530		NID				
Layer: Stones			ND				
Layer: Black Tar		2	ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Cellulose (40 %) Fibrous Glass		Asbestos (ND)					
HMS-MUSD-BES-F15044-02A	11622531						
Layer: Black Tar	11022001		ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Ter			ND				
Layer: Black Fall Layer: Black Felt			ND				
Layer: Black Ter			ND				
Layer: Black Fall Layer: Black Felt			ND				
Total Composite Values of Fibrous Cellulose (20 %) Fibrous Glass		Asbestos (ND)					
Comment: Bulk complex sample.							

Report Number: B203131

Client Name: Hazard Mgmt. Services

**Date Printed:** 03/24/15

Sample ID	Lab Numbe	Asbestos r Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-BES-F15044-02B Layer: Black Tar Layer: Black Felt Layer: Black Felt Layer: Black Felt Layer: Black Tar Layer: Black Tar Layer: Black Felt Layer: Black Felt Layer: Black Felt Layer: Black Tar Layer: Black Felt	11622532		ND ND ND ND ND ND ND ND ND				
Total Composite Values of Fibrous Coccellulose (20 %) Fibrous Glass (2. Comment: Bulk complex sample.		Asbestos (ND)					
HMS-MUSD-BES-F15044-03A Layer: White Coating Layer: Black Mastic	11622533		ND ND				
Total Composite Values of Fibrous Co. Cellulose (7 %)	mponents:	Asbestos (ND)					
HMS-MUSD-BES-F15044-03B Layer: White Coating Layer: Black Mastic	11622534	Chrysotile	ND 5 %				
Total Composite Values of Fibrous Co Cellulose (7 %)	mponents:	Asbestos (3%)					
HMS-MUSD-BES-F15044-04A Layer: Black Mastic Total Composite Values of Fibrous Co	11622535 mponents:	Asbestos (ND)	ND				
Fibrous Glass (2 %)  HMS-MUSD-BES-F15044-05A  Layer: Grey Mastic	11622536		ND				
Total Composite Values of Fibrous Co	mponents:	Asbestos (ND)					
HMS-MUSD-BES-F15044-06A Layer: Grey Mastic	11622537		ND				
Total Composite Values of Fibrous Co Cellulose (15 %)	mponents:	Asbestos (ND)					
HMS-MUSD-BES-F15044-07A Layer: White Non-Fibrous Material Layer: Brown Non-Fibrous Material	11622538		ND ND				
Total Composite Values of Fibrous Co	mponents:	Asbestos (ND)					
HMS-MUSD-BES-F15044-08A Layer: Off-White Mastic	11622539		ND				
Total Composite Values of Fibrous Co Cellulose (Trace)	mponents:	Asbestos (ND)					

Report Number:

B203131

Client Name: Hazard Mgmt. Services

Date Printed:

03/24/15

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-BES-F15044-09A	11622540	and the second					
Layer: Grey Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Con	nponents:	Asbestos (2%)					
HMS-MUSD-BES-F15044-10A	11622541		ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Con	mponents:	Asbestos (ND)					
HMS-MUSD-BES-F15044-11A Layer: Grey Mastic	11622542		ND				
Total Composite Values of Fibrous Con	mponents:	Asbestos (ND)					
HMS-MUSD-BES-F15044-12A	11622543						
Layer: Grey Mastic			ND				
Total Composite Values of Fibrous Con	mponents:	Asbestos (ND)					
HMS-MUSD-BES-F15044-13A	11622544						
Layer: Black Mastic			ND				
Layer: White Coating			ND				
Total Composite Values of Fibrous Con	mponents:	Asbestos (ND)					
HMS-MUSD-BES-F15044-14A	11622545						
Layer: Grey Mastic		Chrysotile	5 %				
Total Composite Values of Fibrous Co	mponents:	Asbestos (5%)					

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

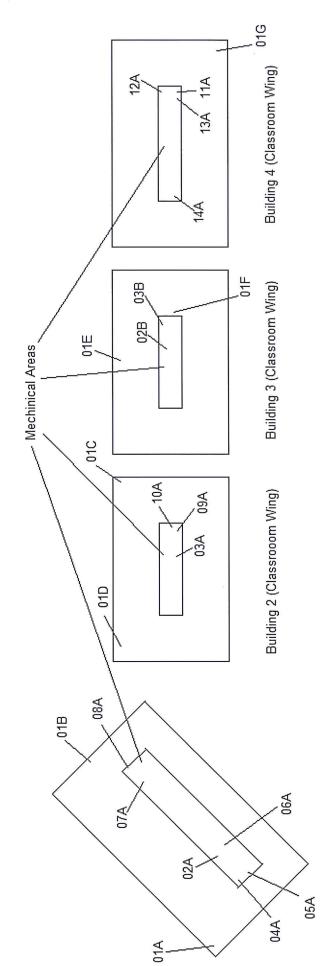
Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from FALI. Forensic Analytical Laboratories Inc. is not able to assess the degree of hazard resulting from materials analyzed. FALI reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

			lazard Management Services, Inc.				
P.O. BOX 576848 MODESTO, CA 95357-6848		'1 E. BULLARD AVE. S' RESNO, CA 93710	TE 109 2124 F STREET, #C BAKERSFIELD, CA 93301				
(209) 551-2000	• •	(559) 436-0277	(661) 636-0351				
FAX (209) 551-2005		FAX (559) 436-	0279 FAX (681) 636-0361				
		<u>[X]</u>					
Date: March 2	20, 201	15	Contact: Harry Stevens				
Special Instructions:			Bill: HMS, Inc.				
			Analysis Requested:				
Callegaded Duy Josh Dule			X PLM with Dispersion Staining				
Collected By: Josh Pyle  Date Collected: Marc	ch 19,	2015	2 hr. X 24 hr. 48 hr. Extended				
Job I.D.: F15044 - Mader			AA Flame				
Job Site: Berenda Elemei			TEM Bulk (5 Day)				
EMAIL RESULTS TO:	intary c		Laboratory: FALI anage.com & jpyle@hazmanage.com				
SAMPLE #							
		RESULTS	MATERIAL DESCRIPTION/LOCATION				
HMS-MUSD-BES-F15044	01A		Shingled roofing				
	UIA		Building 1 (MPR); Roof; West end, South side near roof edge				
HMS-MUSD-BES-F15044			Shingled roofing				
	01B		Building 1 (MPR); Roof; North side, at center, West of roof				
			peak				
HMS-MUSD-BES-F15044			Shingled roofing				
	01C						
	·	interes	Building 2; Roof, East end, North side near roof edge				
HMS-MUSD-BES-F15044	01D		Shingled roofing				
	010		Building 2; Roof; West end, North side, East of ridge				
HMS-MUSD-BES-F15044			Shingled roofing				
e .	01E		Building 3; Roof; North side, at center, near roof edge				
HMS-MUSD-BES-F15044	AS-MUSD-RES-E150//		Shingled roofing				
01F							
			Building 3; Roof; East end, South of center, inside mechanical well, near ridge				
HMS-MUSD-BES-F15044			Shingled roofing				
	01G						
			Building 4: Roof; Southeast comer near roof edge and ridge				
HMS-MUSD-BES-F15044	024	Rolled composition roofing					
	02A		Building 1 (MPR); Roof; West end, North of center, inside				
			mechanical well, near AC 3 unit				
HMS-MUSD-BES-F15044	000		Rolled composition roofing				
,	02B		Building 3; Roof; At center, inside mechanical well, North of				
			AC 5 unit				
HMS-MUSD-BES-F15044			Roof mastic (black) under white coating				
	03A						
			Building 2; Roof; At center, inside mechanical well, South of AC 6 unit				
Collection of Torr	1/21	l bot	- / /				
Submitted By:	-	200 = 1					
Received By:		YPY	Date: 03-23-15A10:29 RCVD				

#### BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc. 2124 F STREET. #C 371 E. BULLARD AVE. STE 109 P.O. BOX 576848 BAKERSFIELD, CA 93301 MODESTO, CA 95357-6848 **FRESNO, CA 93710** (661) 636-0351 (209) 551-2000 (559) 438-0277 FAX (661) 636-0361 FAX (209) 551-2005 FAX (559) 436-0279 X Harry Stevens March 20, 2015 Contact: Date: Bill: HMS, Inc. Special Instructions: Analysis Requested: X PLM with Dispersion Staining 48 hr. Extended Josh Pyle X 24 hr. Collected By: March 19, 2015 AA Flame Date Collected: F15044 - Madera Unified SD TEM Bulk (5 Day) Job I.D.: Laboratory: FALI Job Site: Berenda Elementary School hstevens@hazmanage.com & jpyle@hazmanage.com **EMAIL RESULTS TO: MATERIAL DESCRIPTION/LOCATION** RESULTS SAMPLE # Roof mastic (black) under white coating HMS-MUSD-BES-F15044 03B Building 3; Roof; North side, West end, inside mechanical well, at exhaust hood HMS-MUSD-BES-F15044 Roof mastic (black) 04A Building 1 (MPR); Roof; South side, West end, inside mechanical well HMS-MUSD-BES-F15044 Support mastic (grey) 05A Building 1 (MPR); Roof; South side, at center, inside mechanical well HMS-MUSD-BES-F15044 Penetration mastic (black) 06A Building 1 (MPR); Roof; West end, North of center, at KEF-1 Sealant (white) HMS-MUSD-BES-F15044 07A Building 1 (MPR); Roof; West end, North side, at exhaust fan Penetration mastic (grey) HMS-MUSD-BES-F15044 **08A** Building 1 (MPR); Roof; North side, at center, on roof peak Penetration mastic (black) 2 HMS-MUSD-BES-F15044 09A Building 2; Roof; South side, East end, at exhaust fan Roof mastic (black) 2 HMS-MUSD-BES-F15044 10A Building 2; Roof; East side, at center, inside mechanical well Penetration mastic HMS-MUSD-BES-F15044 11A Building 4; Roof; East end, South side, inside mechanical well Support mastic (grey) 2 HMS-MUSD-BES-F15044 12A Building 4; Roof; North side, East end, inside mechanical well Date: Submitted By: 03-23-15A10:29 RCVD Date: Received By:

MODESTO, CA 95357-6848 (209) 551-2000  FAX (209) 551-2005  Date: March 20, 20:  Special Instructions:  Collected By: Josh Pyle  Date Collected: March 19,  Job I.D.: F15044 - Madera Unit  Job Site: Berenda Elementary 3	1 E. BULLARD AVE. \$1 RESNO, CA 93710 (559) 436-0277 FAX (559) 438-0  X 15 2015 fied SD School	TE 109 2124 F STREET, #C BAKERSFIELD, CA 93301 (661) 636-0351
EMAIL RESULTS TO: SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
	KEGUETO	
HMS-MUSD-BES-F15044	;	Roof mastic (black) 3  Building 4; Roof; East end, South side, inside mechanical well
HMS-MUSD-BES-F15044		Penetration mastic (black) 3  Building 4; Roof; West end, South of center, inside mechanical well
Submitted By:  Received By:	All the	Date: 03/20/15  Date: 05-23-15410:29 RCVD

# MADERA UNIFIED SCHOOL DISTRICT Berenda Elementary School



Building 1 (MPR)

