

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

Board of Trustees:

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SUPERINTENDENT:

Edward C. González

March 30th, 2015

Addendum No. 1

Re-Roofing Project-Thomas Jefferson Middle School

BID No.141501

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 2nd, 2015 by 1:00 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 2nd~~, 2015 by 1:00 p.m.-**new Bid Due Date April 7th, 2015**
2. **See Attached asbestos sampling reports by HMS in regard to asbestos containing material (ACM). All removal and disposal of related materials are to be handled accordingly as required for this project**

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

Signed _____

Date _____

Print Name _____



**Hazard
Management
Services**
SINCE 1984

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
Thomas Jefferson Middle School
Gymnasium and Covered Walkway 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 the gymnasium and covered walkway system at Thomas Jefferson Middle School. The survey conducted included and was limited to roofing materials on the covered walkways. HMS, Inc. was not aware of the inclusion of the gymnasium roof in this project until after our site visit occurred. The lower roof at the west side of the gymnasium was sampled in 2012, and those results have been incorporated into this survey report. The main roof area of the gymnasium has not been sampled, and in accordance with regulatory requirements, roofing materials are assumed to be asbestos containing.

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. The limited sampling of the gymnasium roofing conducted in 2012 is summarized in appendix B.

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 seventeen (17) bulk samples of suspect materials identified on the roof of these structures. See the attached appendices and laboratory reports 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 asbestos-containing, 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,

A handwritten signature in black ink, appearing to read 'Joe Vuglia', written over a horizontal line.

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



Appendix A

LIMITED ASBESTOS SURVEY FOR RENOVATION PURPOSES

THOMAS JEFFERSON MIDDLE SCHOOL COVERED WALKWAY ROOFING

Survey Date: March 19, 2015

Report Date: March 27, 2015

BUILDING DESCRIPTION

The covered walkways at this site consist of a connected system of roofs along the south sides of classroom wings, with a main central corridor and shorter roof lengths at the east and west sides of the building system. The roofs consist of rolled composition material and patched/repared areas, with various sealants and mastics.

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.

Rolled composition roofing (various)
Sealants (various)
Pipe/conduit hangers (various)

Mounting pads
Mastic (various)

RESULTS: NO ASBESTOS WAS DETECTED IN ANY OF THE SUSPECT MATERIALS SAMPLED AT COVERED WALKWAY ROOFS AT THIS SITE.

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

A handwritten signature in black ink, appearing to read 'Joe Vuglia', is written over the printed name.



Bulk Asbestos Analysis

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

Hazard Mgmt. Services
Joe Vuglia
Fresno Location
371 E. Bullard Ave., Ste. 109
Fresno, CA 93710

Client ID: 1636
Report Number: B203064
Date Received: 03/20/15
Date Analyzed: 03/23/15
Date Printed: 03/23/15
First Reported: 03/23/15

Job ID/Site: F15045 - Madera Unified SD, Thomas Jefferson Middle School**FALI Job ID:** 1636**Date(s) Collected:** 03/19/2015**Total Samples Submitted:** 17**Total Samples Analyzed:** 17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-TJMS-F15045-01A	11621924						
Layer: White Coating			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				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %) Fibrous Glass (10 %)							
Comment: Bulk complex sample.							
HMS-MUSD-TJMS-F15045-01B	11621925						
Layer: White Coating			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: Off-White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %) Fibrous Glass (10 %)							
Comment: Bulk complex sample.							
HMS-MUSD-TJMS-F15045-01C	11621926						
Layer: White Coating			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: Off-White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %) Fibrous Glass (10 %)							
Comment: Bulk complex sample.							

Client Name: Hazard Mgmt. Services

Report Number: B203064

Date Printed: 03/23/15

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-TJMS-F15045-02A	11621927						
Layer: White Coating			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				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %) Fibrous Glass (10 %)							
Comment: Bulk complex sample.							
HMS-MUSD-TJMS-F15045-03A	11621928						
Layer: White Sealant			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-MUSD-TJMS-F15045-04A	11621929						
Layer: Black Semi-Fibrous Tar			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %)							
HMS-MUSD-TJMS-F15045-05A	11621930						
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-MUSD-TJMS-F15045-06A	11621931						
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-MUSD-TJMS-F15045-07A	11621932						
Layer: Off-White Sealant			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-MUSD-TJMS-F15045-08A	11621933						
Layer: White Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-MUSD-TJMS-F15045-09A	11621934						
Layer: Grey Sealant			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Hazard Mgmt. Services

Report Number: B203064

Date Printed: 03/23/15

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-TJMS-F15045-10A	11621935						
Layer: Grey Sealant			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-MUSD-TJMS-F15045-11A	11621936						
Layer: White Coating			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: Off-White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %) Fibrous Glass (10 %)							
Comment: Bulk complex sample.							
HMS-MUSD-TJMS-F15045-12A	11621937						
Layer: Pink Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %)							
HMS-MUSD-TJMS-F15045-13A	11621938						
Layer: White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %)							
HMS-MUSD-TJMS-F15045-14A	11621939						
Layer: White Coating			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				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %) Fibrous Glass (10 %)							
Comment: Bulk complex sample.							
HMS-MUSD-TJMS-F15045-15A	11621940						
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Hazard Mgmt. Services

Report Number: B203064

Date Printed: 03/23/15

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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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.

BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 551-2005

371 E. BULLARD AVE. STE 109
FRESNO, CA 93710
(559) 436-0277
FAX (559) 436-0279

2124 F STREET, #C
BAKERSFIELD, CA 93301
(661) 636-0351
FAX (661) 636-0361

☐ Date: March 19, 2015

Special Instructions: _____

☐ Contact: Harry Stevens

Bill: HMS, Inc.

Analysis Requested:

☒ PLM with Dispersion Staining

2 hr. ☒ 24 hr. 48 hr. Extended

AA Flame

TEM Bulk (5 Day)

Laboratory: FALI

Collected By: Josh Pyle

Date Collected: March 19, 2015

Job I.D.: F15045 - Madera Unified SD

Job Site: Thomas Jefferson Middle School

EMAIL RESULTS TO: hstevens@hazmanage.com & jpyle@hazmanage.com

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-MUSD-TJMS-F15045 01A		Rolled composition roofing (old)
		Covered walkway 1; Roof; South side at center, near edge
HMS-MUSD-TJMS-F15045 01B		Rolled composition roofing (old)
		Covered walkway 10; Roof; East end, North of center
HMS-MUSD-TJMS-F15045 01C		Rolled composition roofing (old)
		Covered walkway 6; Roof; Northwest corner
HMS-MUSD-TJMS-F15045 02A		Rolled composition roofing (new)
		Covered walkway 4; Roof; At center
HMS-MUSD-TJMS-F15045 03A		Flashing sealant (white)
		Covered walkway 2; Roof; South side, East end
HMS-MUSD-TJMS-F15045 04A		Brace-mount pad
		Covered walkway 1; Roof; North side, West end
HMS-MUSD-TJMS-F15045 05A		Brace-mount pad glue
		Covered walkway 1; Roof; North side, West end
HMS-MUSD-TJMS-F15045 06A		Repair mastic (black)
		Covered walkway 2; Roof; South side at center
HMS-MUSD-TJMS-F15045 07A		Edge sealant (off-white)
		Covered walkway 3; Roof; South side at center, near edge
HMS-MUSD-TJMS-F15045 08A		Penetration mastic (white)
		Covered walkway 3; Roof; West end, South side

Submitted By: [Signature]

Date: 03/19/15

Received By: [Signature]

Date: 03-20-15 10:38 RCVD

BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

P.O. BOX 576848
MODESTO, CA 95357-6848
(209) 551-2000
FAX (209) 551-2005

371 E. BULLARD AVE, STE 109
FRESNO, CA 93710
(559) 436-0277
FAX (559) 436-0279

2124 F STREET, #C
BAKERSFIELD, CA 93301
(661) 636-0351
FAX (661) 636-0361

☐ Date: March 19, 2015

Special Instructions: _____

☐ Contact: Harry Stevens

Bill: HMS, Inc.

Analysis Requested:

☒ PLM with Dispersion Staining

☐ 2 hr. ☒ 24 hr. ☐ 48 hr. ☐ Extended

☐ AA Flame

☐ TEM Bulk (5 Day)

Laboratory: FALI

Collected By: Josh Pyle

Date Collected: March 19, 2015

Job I.D.: F15045 - Madera Unified SD

Job Site: Thomas Jefferson Middle School

EMAIL RESULTS TO: hstevens@hazmanage.com & jpyle@hazmanage.com

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-MUSD-TJMS-F15045 09A		Flashing sealant (grey)
		Covered walkway 9; Roof; South side, East end
HMS-MUSD-TJMS-F15045 10A		Roof patch (grey)
		Covered walkway 8: Roof; West end at center
HMS-MUSD-TJMS-F15045 11A		Roof patch (old)
		Covered walkway 9; Roof; West end, North of center
HMS-MUSD-TJMS-F15045 12A		Large pipe hanger (pink)
		Covered walkway 14; Roof; North side at center, near panel AC 3
HMS-MUSD-TJMS-F15045 13A		Small pipe hanger (white)
		Covered walkway 14; Roof; North side, West end
HMS-MUSD-TJMS-F15045 14A		Roof patch (white)
		Covered walkway 14: Roof; North side, West end, near covered walkway 10
HMS-MUSD-TJMS-F15045 15A		Roof mastic (black)
		Covered walkway 14; Roof; East end, South side, at covered patio

Submitted By: [Signature]

Date: 03/19/15
03-20 15:10:39 RCVD

Received By: [Signature]

Date: _____

Appendix B

LIMITED ASBESTOS SURVEY FOR RENOVATION PURPOSES

THOMAS JEFFERSON MIDDLE SCHOOL GYMNASIUM

Survey Date: May 24, 2012
Report Date: March 27, 2015

BUILDING DESCRIPTION

The gymnasium roof is consists of the main roof area, and a lower roof over the snack bar at the west side of the structure. Both roofs consist of rolled composition roofing with various mastics and sealants. The two roof sections are not homogeneous, and only the snack bar roof was sampled during the May 2012 inspection. Roofing materials on the main gymnasium roof are unsampled, and are assumed to be asbestos containing.

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.

Rolled composition roofing (various) Sealants (various)
Mastic (various)

RESULTS:

<i>MATERIAL *</i>	<i>LOCATION</i>	<i>ASBESTOS CONTENT</i>	<i>NESHAP CATEGORY</i>
Mastic (grey)	Snack Bar roof at penetrations	10% Chrysotile	Category II, non-friable
Rolled composition roofing	Main Gymnasium roof	Assumed, typically 5-20% Chrysotile	Category I, non-friable
Mastic	Main Gymnasium roof	Assumed, typically 2-10% Chrysotile	Category II, non-friable
Sealant	Main Gymnasium roof	Assumed, typically 2-10% Chrysotile	Category II, non-friable

*As noted above, the main roof of the gymnasium was not included in the survey conducted, and all roofing materials present are assumed to be asbestos-containing. Materials listed are those suspect materials typically found on this type of roof, but other suspect materials may be present as well. Any additional suspect materials should also be considered to be asbestos-containing and handled accordingly.

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

A handwritten signature in black ink, appearing to read 'Joe Vuglia', written over a horizontal line.



Bulk Asbestos Analysis

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

Hazard Mgmt Svcs-Fresno/Bakersfield
Jeff Olsen
Fresno Location
371 E. Bullard Ave., Ste. 109
Fresno, CA 93710

Client ID: 1636
Report Number: B164198
Date Received: 05/29/12
Date Analyzed: 05/30/12
Date Printed: 05/30/12
First Reported: 05/30/12

Job ID/Site: F12172 - Madera Unified School District, Jefferson Middle School

FALI Job ID: 1636

Date(s) Collected: 05/24/2012

Total Samples Submitted: 7

Total Samples Analyzed: 7

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-MHS-F12172-01A	11262699						
Layer: Grey Mastic		Chrysotile	10 %				
Total Composite Values of Fibrous Components:		Asbestos (10%)					
Cellulose (Trace)							
HMS-MUSD-MHS-F12172-02A	11262700						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-MUSD-MHS-F12172-03A	11262701						
Layer: White Non-Fibrous Material			ND				
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
HMS-MUSD-MHS-F12172-04A	11262702						
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 Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %) Fibrous Glass (50 %)							
Comment: Bulk complex sample.							

Client Name: Hazard Mgmt Svcs-Fresno/Bakersfield

Report Number: B164198

Date Printed: 05/30/12

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
HMS-MUSD-MHS-F12172-05A	11262703						
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 Tar			ND				
Layer: Black Felt			ND				
Layer: Grey Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %) Fibrous Glass (50 %)							
Comment: Bulk complex sample.							
HMS-MUSD-MHS-F12172-06A	11262704						
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 Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %) Fibrous Glass (50 %)							
Comment: Bulk complex sample.							
HMS-MUSD-MHS-F12172-07A	11262705						
Layer: White Coating			ND				
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 Tar			ND				
Layer: Black Felt			ND				
Layer: Grey Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %) Fibrous Glass (50 %)							
Comment: Bulk complex sample.							

Client Name: Hazard Mgmt Svcs-Fresno/Bakersfield

Report Number: B164198

Date Printed: 05/30/12

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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Tad Thrower, Laboratory Supervisor, Hayward Laboratory

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

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BULK MATERIAL Analysis Request Form for Hazard Management Services, Inc.

Page 1 of 1

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☐

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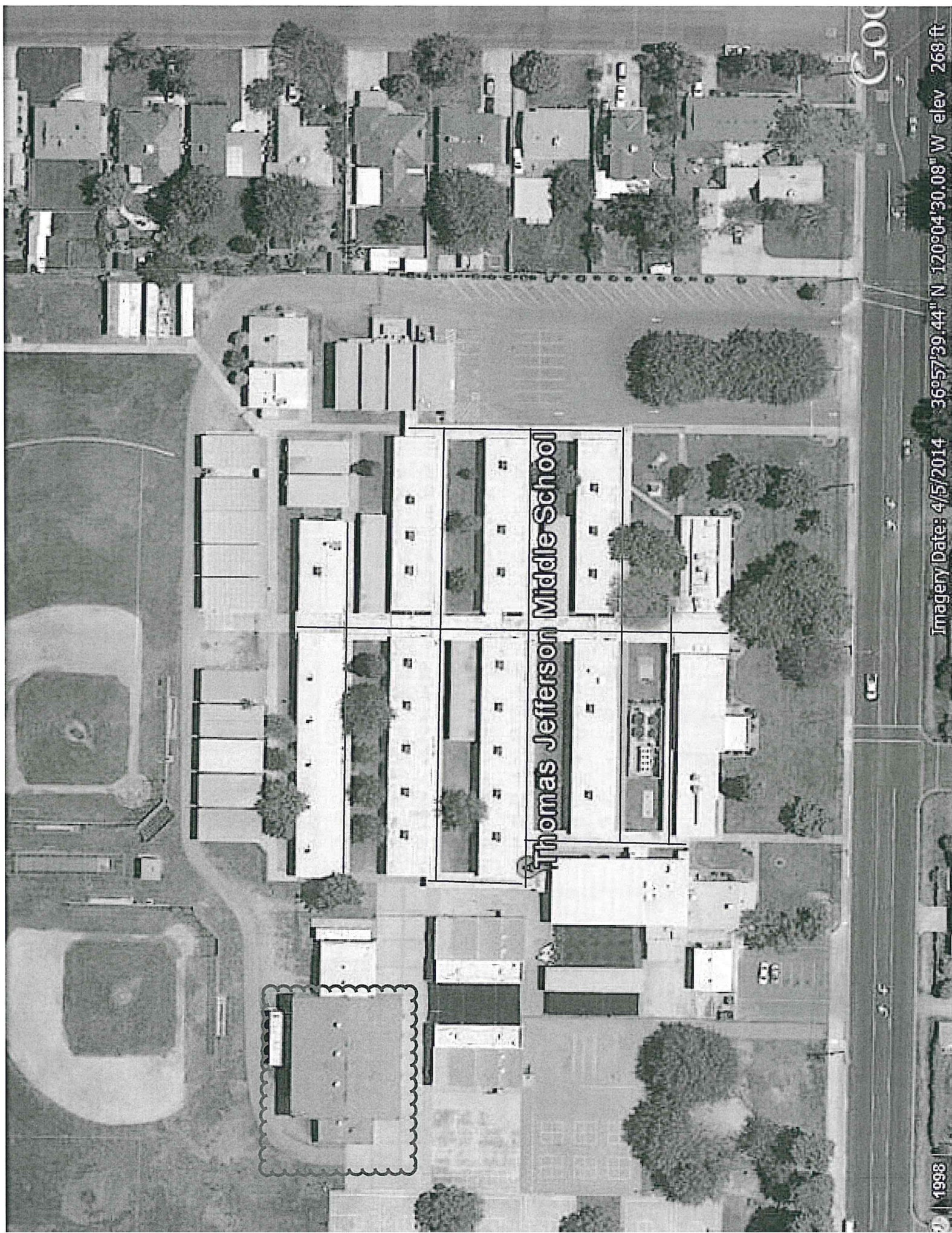
Date: May 25, 2012Contact: Jeff Olsen

Special Instructions: _____

Analysis Requested☒ PLM with Dispersion Staining☐ 2 hr. ☒ 24 hr. ☐ 48 hr. ☐ Extended☐ AA Flame (48-hr. STD)☐ TEM Bulk (5 Day)Collected by: J. OlsenDate Collected: May 24, 2012Job I.D.: F12172-Madera Unified School DistrictLaboratory: Forensic AnalyticalJob Site: Jefferson Middle School

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
HMS-MUSD-MHS-F12172-01A		Penetration mastic Gymnasium snack bar, at cooler (<20sf)
HMS-MUSD-MHS-F12172-02A		Grey sealant at exhaust vents Gymnasium snack bar, at north side center
HMS-MUSD-MHS-F12172-03A		Flashing sealant (40 lf) Gymnasium snack bar, at east side center
HMS-MUSD-MHS-F12172-04A		Composition rolled roofing with tar and rocks Gymnasium snack bar, at center
HMS-MUSD-MHS-F12172-05A		Composition rolled roofing Covered walkway at cafeteria
HMS-MUSD-MHS-F12172-06A		Composition rolled roofing Covered walk at wing 2, west end near center
HMS-MUSD-MHS-F12172-07A		Composition rolled roofing Covered walk center, near west end of south wing

Submitted by: Date: 5-25-12Received by: Date: 5-29-12 @ 10:30a bjo



Thomas Jefferson Middle School