

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:

President: Al Galvez

Clerk:

Robert E. Garibay
Trustees:
Ricardo Arredondo
Brent Fernandes
Ed McIntyre
Ray G. Seibert
Maria Velarde-Garcia

SUPERINTENDENT: Edward C. González

January 13th, 2016

Addendum No. 1 Reroofing at Various School Sites Bid No. 111215

NOTICE TO ALL VENDORS:

This Addendum is attached to and made apart of the above entitles specifications for Madera Unified School District with a Bid Due Date of January 27th, 2016

Bid Packet No.1-9:30 a.m.

Bid Packet No.2-10:00 a.m.

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

- 1. Attachment A -Dry Rot Replacement Costs-see attached
- 2. Bid Bond-See Attached
- 3. Alpha Elementary School-Asbestos Survey Report –see attached

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

Signed: _____

Date: ____

Print Name:

<u>Attachment –A Dry Rot Replacement Costs</u>

BID FORM-TO BE TURNED IN PER PACKET

Signed_____

| IMPORTANT: BIDS NOT RETURNED DIRECTLY TO THE PURCHASING DEPARTMENT MAY BE CONSIDERED VOID. | | | | | | |
|---|-----------------------|--|--|--|--|--|
| | | | | | | |
| PER SQUARE FOOT WOOD BOARD REPLACEMENT AMOUNT Square foot wood board replacement to be completed in accordance with contract documents, including all costs to the school district including, but not limited to, materials, labor, tools, insurance, cleanup, and warranties, shall be | | | | | | |
| Write in words the amount of your bid on this line) Dollars (\$) (Show bid in numbers) | | | | | | |
| PER LINEAL FOOT WOOD BOARD REPLACEMENT AMOUNT Lineal foot wood board replacement to be completed in accordance with contract documents, including all costs to the school district including, but not limited to, materials, labor, tools, insurance, cleanup, and warranties, shall be | \$ Per Sq. Foot | | | | | |
| Dollars (\$) (Write in words the amount of your bid on this line) (Show bid in numbers) | \$ Per Lineal Foot | | | | | |

| KNOW ALL MEN BY THESE PRESENT, that we, the undersigned as Principal, and as Surety, are hereby held and firmly bound unto the Madera Unified School District, hereinafter called the "District" in the sum of Dollars (\$ | Bid Bond# | | | | | |
|--|---|---|---|--|-----------------------------------|---|
| as Surety, are hereby held and firmly bound unto the Madera Unified School District, hereinafter called the "District" in the sum of Dollars (\$ | | | | | | |
| District, hereinafter called the "District" in the sum of Dollars (\$ | KNOW ALL MEN BY TH | ESE PRESENT, that we, the under | signed | a: | s Principal, and | |
| (\$ | | | | | | |
| and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns. The condition of the above obligation is such that whereas the Principal has submitted to District a certain bid, attached hereto and hereby made a part hereof, to enter into a contract in writing for the | District, hereinafter called the | he "District" in the sum of Dollars | | | | |
| successors and assigns. The condition of the above obligation is such that whereas the Principal has submitted to District a certain bid, attached hereto and hereby made a part hereof, to enter into a contract in writing for the | | | | | | |
| hereto and hereby made a part hereof, to enter into a contract in writing for the | | we hereby jointly and severally b | aind ourselves, our | heirs, executors, | administrators, | |
| A. If said bid shall be rejected, or, in the alternative, B. If said bid shall be accepted and the Principal shall execute and deliver a contract in the form of Agreement attached hereto and shall execute and deliver the required insurance certificates, Performance Bond and Payment Bond in the forms attached hereto (all properly completed in accordance with said bid), and shall in all other respects perform the Contract created by the acceptance of said bid; Then this obligation shall be void, otherwise the same shall remain in force and effect, it being expressly understood and agreed that the liability of the Surety for any and all default of the Principal hereunder shall be the amount of the obligation as herein stated. Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or the call for bids, or to work to be performed thereunder, or the specifications accompanying the same, shall in anyway affect its obligation under this bond and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract or the call for bids, or to the work, or to the specifications. In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorney fees to be fixed by the court. IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this | hereto and hereby made a p | part hereof, to enter into a contract in w | • | | | |
| B. If said bid shall be accepted and the Principal shall execute and deliver a contract in the form of Agreement attached hereto and shall execute and deliver the required insurance certificates, Performance Bond and Payment Bond in the forms attached hereto (all properly completed in accordance with said bid), and shall in all other respects perform the Contract created by the acceptance of said bid; Then this obligation shall be void, otherwise the same shall remain in force and effect, it being expressly understood and agreed that the liability of the Surety for any and all default of the Principal hereunder shall be the amount of the obligation as herein stated. Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or the call for bids, or to work to be performed thereunder, or the specifications accompanying the same, shall in anyway affect its obligation under this bond and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract or the call for bids, or to the work, or to the specifications. In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorney fees to be fixed by the court. IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this day of | NOW, THEREFORE, | | | | | |
| hereto and shall execute and deliver the required insurance certificates, Performance Bond and Payment Bond in the forms attached hereto (all properly completed in accordance with said bid), and shall in all other respects perform the Contract created by the acceptance of said bid; Then this obligation shall be void, otherwise the same shall remain in force and effect, it being expressly understood and agreed that the liability of the Surety for any and all default of the Principal hereunder shall be the amount of the obligation as herein stated. Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or the call for bids, or to work to be performed thereunder, or the specifications accompanying the same, shall in anyway affect its obligation under this bond and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract or the call for bids, or to the work, or to the specifications. In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorney fees to be fixed by the court. IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this | A. If said bid shall be rej | ected, or, in the alternative, | | | | |
| agreed that the liability of the Surety for any and all default of the Principal hereunder shall be the amount of the obligation as herein stated. Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or the call for bids, or to work to be performed thereunder, or the specifications accompanying the same, shall in anyway affect its obligation under this bond and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract or the call for bids, or to the work, or to the specifications. In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorney fees to be fixed by the court. IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this | hereto and shall exec the forms attached he | cute and deliver the required insurant ereto (all properly completed in accord | ce certificates, Perfo | rmance Bond and F | Payment Bond in | |
| terms of the Contract or the call for bids, or to work to be performed thereunder, or the specifications accompanying the same, shall in anyway affect its obligation under this bond and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract or the call for bids, or to the work, or to the specifications. In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all litigation expenses incurred by the District in such suit, including reasonable attorney fees to be fixed by the court. IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this | agreed that the liability of the | | | | | |
| IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this day of The name and corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body. In presence of: | terms of the Contract or the same, shall in anyway affect | ne call for bids, or to work to be perfort tits obligation under this bond and it o | ormed thereunder, or does hereby waive no | the specifications a tice of any such cha | ccompanying the nge, extension of | |
| day of The name and corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body. In presence of: | 100 | | | | pay all litigation | |
| In presence of: | day of | · | The name and co | rporate party being l | nereto affixed | |
| | | inca by its undersigned representative, | paroualit to authority | o. ito governing be | ,. | |
| (Principal Scal) PRINCIPAL | in presence or: | | | | | |
| (Pilicipal Seal) | (Principal Seal) | PRINCIPAL | | | | |
| BY: | | BY: | | | | 1 |

Address

Talanhona No

/Fav No

| (Surety Seal) | | SURETY | |
|---------------|--------|------------------------------|----------|
| | Ву: | | |
| | Title: | | |
| | | Agent's Address | |
| | | Telephone No. | /Fax No |
| | | Surety's Address | |
| | | Surety (Claim) Telephone No. | / FaxNo. |

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

January 11, 2016

Mr. Curtis Manganaan Director of Maintenance and Operations Madera Unified School District 1205 Madera Avenue Madera, CA 93637

Limited Asbestos Survey for Roof Upgrades
Alpha Elementary School
Buildings A, B, C and C-1
HMS Project No. F15184

Dear Mr. Manganaan:

This letter reports the results of the limited survey for asbestos-containing materials (ACM) performed on December 14, 2015, by Hazard Management Services, Inc. (HMS, Inc.) at the site referenced above. This survey was conducted at the district's request to identify asbestos-containing materials that may be disturbed during a re-roof project which will occur at this site. The survey was limited to sampling roofing materials on buildings which were identified by the district. (See attached bulk sample location map).

The survey was performed by Fred Tarazon, who is an EPA accredited building inspector, under the supervision of Harry Stevens, a Cal/OSHA certified asbestos consultant. 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 complete list of suspect materials in each building or group of buildings, which were discovered, sampled, and included in this survey are included in the following appendices.

INSPECTION PROTOCOL

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

The roofs were accessible to the inspector.

The roofs were visually inspected for suspect materials.

Representative bulk samples of each suspect material were collected using a scraper, chisel, or power drill. Sample locations are indicated on the bulk sample chain of custody form 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 which will be disturbed during the modernization, it must be assumed that those materials contain asbestos and the project should then be halted and re-evaluated.

BULK SAMPLES

HMS, Inc. collected Thirty two (32) bulk samples of suspect materials identified at the site. See the attached appendices and laboratory reports for specific analysis information.



US EPA, Cal/OSHA, & CSLB 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.

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,

Fred Tarazon Project Manager

Reviewed by: Harry

Harry Stevens, CAC 95-1624

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General Manager

Hull Sty.



APPENDIX A

LIMITED ASBESTOS SURVEY FOR ROOF UPGRADE ALPHA ELEMENTARY SCHOOL

Survey Date: December 14, 2015

BUILDING DESCRIPTION

At Alpha Elementary School, the roofs on buildings A, B, C, and D are asphalt shingles with felt, With Rolled Composition roofing with felt within the Parapet . Grey and black penetrations mastics and sealants were used sporadically on these roofs. See attached map for building designations

BULK SAMPLE RESULTS

The following suspect materials were identified, and bulk samples were collected for laboratory analysis. Samples collected are only representative of materials found on the roof locations on this building.

Rolled Composition Roofing with felt Shingled Roofing felt and tar Roof Sealants (Grey) Roof Mastic (Black)

Samples were analyzed using polarized light microscopy (PLM) with dispersion staining to estimate the percent of asbestos.

RESULTS - No asbestos was detected in materials sampled from this structure.

If any materials that are not listed above are discovered and may be disturbed during planned work, those materials must be assumed to contain asbestos or sampled and analyzed to determine asbestos content and handled accordingly.

Please include this report with your AHERA documentation for this school, and for use in permitting from the San Joaquin Valley Air Pollution Control District.

Written by: Fred Tarazon, Project Manager

Reviewed by: Harry Stevens, General Manager

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| BULK MATERIAL Analysis R | equest Form for | r Hazard Management Services, Inc. |
|---|---|--|
| P.O. BOX 576848 MODESTO, CA 95357-6848 (209) 551-2000 FAX (209) 551-2005 | 371 E. BULL FRESNO, CA (559) 436-02 FAX (559) 43 | ARD AVE. STE 109 2124 F STREET, #C A 93710 BAKERSFIELD, CA 93301 77 (661) 636-0351 |
| Date: Danamhar 14 2015 | | |
| Date: December 14, 2015 | | Contact: Fred Tarazon |
| Special Instructions: | | Bill: HMS, Inc. (1636) |
| | | Analysis Requested: x PLM with Dispersion Staining |
| Collected By: Fred Tarazon | | 2 hr. X 24 hr. 48 hr. Extended |
| Date Collected: December | 14, 2015 | AA Flame |
| Job I.D.: F15184 Madera Unifie | | TEM Bulk (5 Day) |
| Job Site: Alpha Elementary Sci | lool | Laboratory: FALI |
| EMAIL RESULTS TO: Ftaraz | on@hazmanage. | .com, dspyle@hazmanage.com |
| SAMPLE# | RESULTS | MATERIAL DESCRIPTION/LOCATION |
| HMS MUSD AES F15184 01A | | ROOF SHINGLE |
| | | BUILDING D, MAIN ROOF AT SOUTHWEST CORNER |
| HMS MUSD AES F15184 01B | | ROOF SHINGLE |
| | | BUILDING D, MAIN ROOF, CENTERLINE AT SOUTH END |
| HMS MUSD AES F15184 01C | | ROOF SHINGLE |
| | | BUILDING D, MAIN ROOF, AT NORTHEAST CORNER |
| HMS MUSD AES F15184 02A | | ROLLED COMPOSITION ROOF |
| | | BLDG D, PARAPET ROOF N/S E OF CENTER AT HVAC No. 627-196 |
| HMS MUSD AES F15184 02B | | ROLLED COMPOSITION ROOF |
| | | BLDG D, PARAPET ROOF, SOUTH OF HVAC No. 627-199 |
| HMS MUSD AES F15184 03A | | MASTIC BLACK AT HVAC BASE |
| | | BLDG D, PARAPET WELL, CENTER AT HVAC No. 627-199 |
| HMS MUSD AES F15184 04A | | SEALANT GREY AT HVAC FLANG |
| | | BLDG D, PARAPET WELL, HVAC CENTER AT LOWER FLANG 627-199 |
| HMS MUSD AES F15184 05A | | MASTIC, BLACK AT SKYLITE |
| | | BUILDING D, PARAPET WELL, SOUTH SIDE WEST SIDE OF SKYLIGHT |
| HMS MUSD AES F15184 06A | | SEALANT, GREY AT GAS LINE (MAIN) |
| | | BUILDING D, PARAPET WELL, MAIN GAS LINE, CENTER AT GASE SHUT OFF VALVE |
| HMS MUSD AES F15184 07A | | SEALANT, GREY AT ELECTRICAL BOX BASE |
| | | BUILDING D. PARAPET WELL, CENTERAL HVAC 5212188 |
| Submitted By: Harry Stevens Received By: | 10 miles | Date: December 10/2015 A DECEIVED Date: DECEIVED DECEI |
| | | Ny 21 11 01 68 |

| DIN V SAATEDIAL | | ** ' |
|--|--|--|
| P.O. BOX 576848 MODESTO, CA 95357-6848 (209) 551-2000 FAX (209) 551-2005 | 371 E. BULLA! FRESNO, CA (559) 436-0277 FAX (559) 436 | 7 (661) 636-0351 |
| _ | X | |
| Date: December 14, 2015 | · · · · · · · · · · · · · · · · · · · | Contact: Fred Tarazon |
| Special Instructions: | | Bill: HMS, Inc. (1636) |
| | | Analysis Requested: |
| Collected By: Fred Tarazon | | PLM with Dispersion Staining 2 hr. X 24 hr. 48 hr. Extended |
| Date Collected: December | 14. 2015 | AA Flame |
| Job I.D.: F15184 Madera Unifie | | TEM Bulk (5 Day) |
| Job Site: Alpha Elementary Sch | 001 | Laboratory: FALI |
| EMAIL RESULTS TO: ftarazo | n@hazmanage.co | om, dspyle@hazmanage.com |
| SAMPLE# | RESULTS | MATERIAL DESCRIPTION/LOCATION |
| HMS MUSD AES F15184 08A | ` | SEALANT, CLEAR, AT REFRIDGE BASE |
| | | BUILDING D. PARAPET WELL, NORTH SIDE CENTER AT REFRIDGE UNIT BASE |
| HMS MUSD AES F15184 09A | | MASTIC, BLACK, AT VENT PIPE |
| | | BUILDING D. PARAPET WELL, CENTER, WEST SIDE |
| HMS MUSD AES F15184 10A | | SEALANT, GREY AT SKYLIGHT |
| | | BUILDING D, PARAPET WALL, SOUTH SIDE AT SKYLIGHT |
| HMS MUSD AES F15184 11A | | ROOF SHINGLE |
| | | BUILDING C, MAIN ROOF AT SOUTHEAST CORNER |
| HMS MUSD AES F15184 11B | | ROOF SHINGLE |
| | | BUILDING C, MAIN ROOF SOUTH SIDE, WEST FO CENTER BY PARAPET |
| HMS MUSD AES F15184 11C | | ROOF SHINGLE |
| | | BUILDING C, MAIN ROOF, WEST SIDE, SOUTH OF CENTER |
| HMS MUSD AES F15184 12A | | MASTIC, BLACK |
| | | BUILDING C, MAIN ROOF, SOUTH SIDE WEST OF CENTER AT VENT |
| HMS MUSD AES F15184 13A | | BUILT UP ROOFING , CAP SHEET |
| | | BUILDING C, PARAPET, SOUTHWEST CORNER |
| HMS MUSD AES F15184 13B | | BUILT UP ROOFING , CAP SHEET |
| | | BUILDING C, PARAPET, EAST SIDE, NORTH OF CENTER |
| HMS MUSD AES F15184 14A | | SEALANT, GREY, AT VENT PIPE |
| | | BUILDING C, PARAPET, SOUTH SIDE CENTER |
| HMS MUSD AES F15184 15A | | ROOF SHINGLE |
| | | BUILDIG B, MAIN ROOF, WEST SIDE, NORTH OF SEMPER |
| Submitted By: Harry Stevens | Hurth St | Date: December 14 2015 A |
| Received By: | 344 | Date: 23 4 55 |

NO 21 11 01 6

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| BULK MATERIAL Analysis R | equest Form for I | Hazard Management Services, Inc. | | | | |
|--|------------------------------|---|--|--|--|--|
| P.O. BOX 576848 | 371 E. BULLAI | ARD AVE. STE 109 2124 F STREET, #C | | | | |
| MODESTO, CA 95357-6848 (209) 551-2000 | FRESNO, CA (559) 436-0277 | | | | | |
| FAX (209) 551-2005 | FAX (559) 436 | M-1 1 8 10 50-001 13 | | | | |
| | × | | | | | |
| Date: December 14, 2015 | <u> </u> | Contact: Fred Tarazon | | | | |
| Special Instructions: | | Bill: HMS, Inc. (1636) | | | | |
| | | Analysis Requested: | | | | |
| | | X PLM with Dispersion Staining | | | | |
| Collected By: Fred Tarazon | | 2 hr. X 24 hr. 48 hr. Extended | | | | |
| Date Collected: December | | AA Flame | | | | |
| Job I.D.: F15184 Madera Unifie | | TEM Bulk (5 Day) | | | | |
| Job Site: Alpha Elementary Sch | | Laboratory: FALI | | | | |
| | 7 | om, dspyle@hazmanage.com | | | | |
| SAMPLE # | RESULTS | MATERIAL DESCRIPTION/LOCATION | | | | |
| HMS MUSD AES F15184 15B | | ROOF SHINGLE | | | | |
| | | BUILDING B, MAIN ROOF, SOUTH SIDE CENTER | | | | |
| HMS MUSD AES F15184 15C | | ROOF SHINGLE | | | | |
| | | BUILDING B, MAIN ROOF, EAST SIDE, NORTH OF CENTER | | | | |
| HMS MUSD AES F15184 16A | | REPAIR MASTIC, BLACK | | | | |
| | | BUILDING B, PARAPET AT FRAME POST, NW CORNER OF FRAME | | | | |
| HMS MUSD AES F15184 17A | | BUILT UP ROOFING, CAP | | | | |
| | | BUILDING B, PARAPET, NORTH SIDE CENTER BY CENT | | | | |
| HMS MUSD AES F15184 17B | | BUILT UP ROOFING , CAP | | | | |
| | | BUILDING B, PARAPET, CENTER AT EAST END | | | | |
| HMS MUSD AES F15184 18A | | REPAIR MASTIC, BLACK | | | | |
| | | BUILDING B, PARAPET, EAST SIE CENTER AT EDGE OF CAP SHEET TO SHINGLED ROOF | | | | |
| HMS MUSD AES F15184 19A | | ROOF SHINGLE | | | | |
| | | BUILDING A, MAIN ROOF, WEST SIDE, NORTH END NEAR EDGE | | | | |
| HMS MUSD AES F15184 19B | ı | ROOF SHINGLE | | | | |
| | | BUILDING, MAIN ROOF, NORTHEAST CORNER | | | | |
| HMS MUSD AES F15184 19C | | ROOF SHINGLE | | | | |
| | | BUILDING A, MAIN ROOF SOUTH SIDE AT EAST END | | | | |
| HMS MUSD AES F15184 20A | | BUILT UP ROOFING CAP | | | | |
| | | BUILDING A, PARAPET, EAST SIDE AT SOUTH END | | | | |
| HMS MUSD AES F15184 20B | | BUILT UP ROOFING CAP | | | | |
| | <u> </u> | BUILDING A, PARAPET, WEST SIDE, NORTH ORCENTER | | | | |
| Submitted By: Harry Stevens | dauld | Date: December 14, 20,5% | | | | |
| Received By: | M | Date: | | | | |
| | | Ma 21 11 11 6 | | | | |



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

| | (EPA Method | 600/R-93-116 | , Visual Area | Estimation) | | | |
|---|--|----------------------------|---------------------|-------------------------|--|--|--------------------------|
| Hazard Mgmt. Services Haeey Stevens Fresno Location 371 E. Bullard Ave., Ste. 109 Fresno, CA 93710 | | | | | Client ID: Report Numb Date Receive Date Analyze Date Printed First Reporte | d: 12/17/1 ed: 12/18/1 : 12/18/1 | 15 15 15 |
| Job ID/Site: F15184 - Madera Unified Date(s) Collected: 12/14/2015 | ed SD, Alpha Elem | entary School | | | FALI Job ID Total Sample Total Sample | s Submitted: | 32 32 |
| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
| HMS-MUSD-AES-F15184-01A Layer: Black Roof Shingle Layer: Black Felt Total Composite Values of Fibrous | 11714287 Components: A | .sbestos (ND) | ND ND | | | | |
| Cellulose (55 %) Fibrous Glass | | | | | | | |
| HMS-MUSD-AES-F15184-01B Layer: Black Roof Shingle Layer: Black Felt | 11714288 | | ND ND | | | | |
| Total Composite Values of Fibrous Cellulose (55 %) Fibrous Glass | the destruction of the second section of the section of the second section of the sec | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-01C Layer: Black Roof Shingle Layer: Black Felt | 11714289 | | ND ND | | | | and the same of the same |
| Total Composite Values of Fibrous Cellulose (55 %) Fibrous Glass | | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-02A Layer: Stones Layer: Black Tar Layer: Black Felt | 11714290 | | ND ND ND | | | | 90.000.000 |
| Total Composite Values of Fibrous Cellulose (40 %) Fibrous Glass | | sbestos (ND) | | | • | | |
| HMS-MUSD-AES-F15184-02B Layer: Stones Layer: Black Tar Layer: Black Felt | 11714291 | | ND ND ND | | | | |
| Total Composite Values of Fibrous Cellulose (40 %) Fibrous Glass | and the Tenders to the Control of the | ksbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-03A Layer: Black Mastic | 11714292 | a marria e l'Arid brasilia | ND | eg mentinennskriviskisk | ations (possessed, spreading | er een bescheel I man e | |
| Total Composite Values of Fibrous | Components: A | asbestos (ND) | | | | | |

Report Number:

B214418

Client Name: Hazard Mgmt. Services

Date Printed:

12/18/15

| Sample ID | Lab Number | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer | Asbestos Type | Percent in Layer |
|--|---------------|--|---------------------|--|--|-----------------------------|---------------------|
| HMS-MUSD-AES-F15184-04A Layer: Grey Putty Layer: Paint | 11714293 | | ND ND | | | | · |
| Total Composite Values of Fibrous C Cellulose (Trace) | Components: A | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-05A Layer: Black Mastic | 11714294 | e anno de la completa de la casa de | ND | e tremmer (pre service), service exer | 100 g 1 00 - 4 00 0 | and the Secondary Community | |
| Total Composite Values of Fibrous C Cellulose (Trace) | Components: A | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-06A Layer: Black Mastic | 11714295 | | ND | | | | |
| Total Composite Values of Fibrous C Cellulose (Trace) | Components: A | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-07A Layer: Black Mastic | 11714296 | 12 - 22 - 24 - 24 - 24 - 24 - 24 - 24 - | ND | | · · · · · · · · · · · · · · · · · · · | | |
| Total Composite Values of Fibrous (Cellulose (Trace) | Components: 2 | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-08A Layer: Clear Putty | 11714297 | | ND | | | | |
| Total Composite Values of Fibrous (Cellulose (Trace) | Components: 2 | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-09A Layer: Black Mastic | 11714298 | | ND | | | | |
| Total Composite Values of Fibrous (Cellulose (Trace) | Components: A | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-10A Layer: Grey Putty Layer: Paint | 11714299 | | ND ND | | | | |
| Total Composite Values of Fibrous (Cellulose (Trace) | Components: | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-11A Layer: Black Roof Shingle Layer: Black Tar Layer: Black Felt | 11714300 | | ND ND ND | | | | |
| Total Composite Values of Fibrous Cellulose (55 %) Fibrous Glass | | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-11B Layer: Black Roof Shingle Layer: Black Tar Layer: Black Felt | 11714301 | er te er en en en er er en en er er er en er | ND ND ND | a construction of the | esting and an experience of the second of th | ina maa mada Afrik (17) | |
| Total Composite Values of Fibrous (Cellulose (55 %) Fibrous Glass | | Asbestos (ND) | | | | | |

Report Number: B214418

12/18/15

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-AES-F15184-11C | 11714302 | | | | | | *************************************** |
| Layer: Black Roof Shingle | | | ND | | | | |
| Layer: Black Tar | | | ND | | | | |
| Layer: Black Felt | tantin idozos (dosa sajakan) | mananingaraka wakazi | ND | Salahan salahan | and obviding beauty in the | Tapara na tapaha at a | dia Petroni |
| Total Composite Values of Fibrous C Cellulose (55 %) Fibrous Glass (| | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-12A Layer: Black Mastic | 11714303 | | ND | | and the second second | * 04 * ****** 200 090* 2 | X 0 400 1 0 1 0 1 0 1 0 1 |
| Total Composite Values of Fibrous C Cellulose (Trace) | omponents: A | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-13A | 11714304 | The Talible Research participal services | | and an or her the | ASCRET INTO IL CONTRACTO | 3.8.3.14667.18.3. | a silve ite i une i une i |
| Layer: Stones | | | ND | | | | |
| Layer: Black Tar | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous C Cellulose (40 %) Fibrous Glass (| | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-13B | 11714305 | aran ana kantang tagan | | garja sa atau garjaran ga atau | region, a second region, a | 146. A DESIGNATION | will did to print |
| Layer: Stones | | | ND | | | | |
| Layer: Black Tar | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous C Cellulose (40 %) Fibrous Glass (| | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-14A | 11714306 | | eria recovita estabata in especia esta | TO THE PROPERTY OF THE PROPERTY OF THE PARTY | aria in in talin arias di Komala in | isto et a control projections | 1011 61 101 |
| Layer: Grey Putty | | | ND | | | | |
| Layer: Paint | | | ND | | | | |
| Total Composite Values of Fibrous C Cellulose (Trace) | omponents: A | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-15A | 11714307 | one to the mark was bised about the state | IN SOME TO STANDARD AND AND AND AND AND AND AND AND AND AN | | A | The state of the state of | 140 8 11 12 12 |
| Layer: Black Roof Shingle | | | ND | | | | |
| Layer: Black Tar | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous C Cellulose (55 %) Fibrous Glass (| | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-15B | 11714308 | omentymorphist (\$1.50). | | entra esta esta esta esta esta esta esta est | to the state of th | | en tatalogita era |
| Layer: Black Roof Shingle | | | ND | | | | |
| Layer: Black Tar | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous C Cellulose (55 %) Fibrous Glass (| | sbestos (ND) | | | | | |

Report Number: B214418

12/18/15

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-AES-F15184-15C Layer: Black Roof Shingle Layer: Black Tar Layer: Black Felt | 11714309 | | ND ND ND | | | | |
| Total Composite Values of Fibrous C Cellulose (55 %) Fibrous Glass | | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-16A Layer: Black Mastic | 11714310 | | ND | | | | |
| Total Composite Values of Fibrous C Cellulose (Trace) | Components: A | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-17A Layer: Stones Layer: Black Tar Layer: Black Felt | 11714311 | | ND ND ND | | | | |
| Total Composite Values of Fibrous C Cellulose (40 %) Fibrous Glass | | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-17B Layer: Stones Layer: Black Tar Layer: Black Felt | 11714312 | | ND ND ND | | | , | |
| Total Composite Values of Fibrous C Cellulose (40 %) Fibrous Glass | | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-18A Layer: Black Mastic | 11714313 | | ND | | | | |
| Total Composite Values of Fibrous C Cellulose (Trace) | Components: A | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-19A Layer: Black Roof Shingle Layer: Black Tar Layer: Black Felt | 11714314 | | ND ND ND | | | | |
| Total Composite Values of Fibrous C Cellulose (55 %) Fibrous Glass | | Asbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-19B Layer: Black Roof Shingle Layer: Black Tar | 11714315 | | ND ND | | | | |
| Layer: Black Felt Total Composite Values of Fibrous C Cellulose (55 %) Fibrous Glass | | Asbestos (ND) | ND | | | | |
| HMS-MUSD-AES-F15184-19C Layer: Black Roof Shingle Layer: Black Tar | 11714316 | | ND ND | | | | |
| Layer: Black Felt Total Composite Values of Fibrous (| Components: | Asbestos (ND) | ND | | | | |
| Cellulose (55 %) Fibrous Glass | THE RESERVE TO SERVE AND ADDRESS OF THE PARTY OF THE PART | - \- | | | | | |

Report Number: B214418 12/18/15

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-AES-F15184-20A | 11714317 | | 4 | | | | |
| Layer: Stones | | | ND | | | | |
| Layer: Black Tar | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous Cellulose (40 %) Fibrous Glass | | sbestos (ND) | | | | | |
| HMS-MUSD-AES-F15184-20B | 11714318 | | | | | | |
| Layer: Stones | | | ND | | | | |
| Layer: Black Tar | | | ND | | | | |
| Layer: Black Felt | | | ND | | | | |
| Total Composite Values of Fibrous Cellulose (40 %) Fibrous Glass | Components: A | sbestos (ND) | | | | | |

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.



