

Corporate Offices: 401 Roland Way, Ste. 250 Oakland, CA 94621 925.808.6700 <u>www.meccenviro.com</u>

PRE-RENOVATION HAZARDOUS MATERIALS ASSESSMENT

FOR

ASBESTOS AND LEAD CONTAINING MATERIALS

County of Mendocino Administration Center – South Wing Roof and HVAC Replacement 851 Low Gap Road Ukiah, CA 95482

Prepared for:

Doug Anderson Facilities Project Specialist 851 Low Gap Road Ukiah, CA 95482

Prepared by:

MILLENNIUM CONSULTING ASSOCIATES

Date: November 17, 2017

Project No. 3084.2002



Corporate Offices: 401 Roland Way, Ste. 250 Oakland, CA 94621 925.808.6700 <u>www.mecaenviro.com</u>

November 16, 2017

Project No. 3084.2002

Mr. Doug Anderson Facilities Project Specialist, County of Mendocino 851 Low Gap Road, Ukiah, CA 95482

RE: PRE-RENOVATION ASBESTOS AND LEAD HAZARDOUS MATERIALS SURVEY REPORT: County of Mendocino – Administration Center – South Wing Roof and HVAC Replacement Project

Dear Mr. Anderson,

Millennium Consulting Associates (Millennium) is pleased to present the Asbestos and Lead Hazardous Materials Survey report for the referenced building.

Findings of the Survey are presented in this report. If you have comments or questions regarding this report, please do not hesitate to contact the undersigned at 925-808-6700. Millennium appreciates the opportunity to provide professional services for the County of Mendocino.

Sincerely,

Millennium Consulting Associates A *MECA* Consulting Inc. Company

Jairus Vasquez Staff Environmental Specialist CAC # 16-5748, CDPH IA #26496



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ACRONYM GUIDE

| ACCM | Asbestos-Containing Construction Material |
|----------|--|
| ACM | Asbestos-Containing Material |
| Cal OSHA | California Occupational Safety and Health Administration |
| CCR | California Code of Regulations |
| CFR | Code of Federal Regulations |
| CPSC | Consumer Product Safety Commission |
| CDPH | California Department of Public Health |
| EPA | Environmental Protection Agency |
| HSG | Homogeneous Sampling Group |
| HUD | U.S. Department of Housing and Urban Development |
| HVAC | Heating Ventilation and Air Conditioning |
| LBP | Lead-Based Paint |
| NEA | Negative Exposure Assessment |
| NESHAP | National Emission Standards for Hazardous Air Pollutants |
| PLM | Polarized Light Microscopy |
| ppm | Parts per million |
| PQL | Practical Quantification Limit |
| RACM | Regulated Asbestos Containing Material |
| RFT | Resilient Floor Tile |
| TSI | Thermal System Insulation |



EXECUTIVE SUMMARY

Millennium Consulting Associates (Millennium) was requested by the County of Mendocino (CLIENT) to perform a pre-renovation hazardous materials assessment for the property at 43001 Little River-Airport Road, Little River, CA 95456. The purpose of the survey was to determine and report the presence of hazardous materials, namely asbestos-containing materials (ACM) and lead-containing paint (LCP) materials that may be affected during this project. Millennium performed the survey on September 8, 2017. Millennium conducted a walkthrough to identify and collect information regarding all hazardous materials included in the scope of work. Millennium used the information to create a sampling strategy that would represent all suspect materials located in the entire facility. For the survey, Millennium collected twenty-five (25) bulk samples (not including all layers) of suspect asbestos-containing materials at the site. For the lead survey, a total of five (5) paint chip samples were collected from various painted surfaces. All samples were delivered to a certified laboratory under chain of custody.

According to the analytical results, the following materials contained >1% asbestos and were identified as Asbestos Containing Material (ACM):

• Grey Roof Parapet Flashing Mastic – 4% Chrysotile

According to the analytical results, the fooling materials were identified to have lead containing paints or coatings (LCP):

• White Interior Plaster Wall System – 1,100 ppm



1.0 INTRODUCTION

Millennium Consulting Associates was requested by the County of Mendocino to perform a hazardous materials assessment of the Administration Center at 851 Low Gap Road, Ukiah, CA 95482. The purpose of the survey was to determine and report the presence of asbestos and lead containing materials which could affect the proposed renovation. The scope of the survey included interior and exterior finishes and roofing systems. This report shall assist the County of Mendocino in generating specifications, scheduling, and costs regarding hazardous materials for the site prior to proposed renovation activities. Site access and any relevant information regarding the referenced building was provided by Doug Anderson. Based on Millennium's understanding of the client's needs, the following scope of services was conducted:

- Performed ACM survey of the subject property in accordance with the listed criteria in California Occupational Safety and Health Administration (Cal-OSHA) standard 8 California Code of Regulations (CCR) 1529, OSHA standard 29 Code of Federal Regulations (CFR) 1926.1101 and Environmental Protection Agency (EPA) standard 40 CFR Part 61.145 (a), including the analysis of bulk samples via polarized light microscopy (PLM) methodology.
- Performed a pre-construction lead containing paint survey utilizing paint chip sampling methodology.
- Provided a written report detailing the survey information including description of the samples and sample locations, analytical results in tabular form, condition of surfaces identified, interpretation of results, and possible recommendations for the future.

2.0 SITE DESCRIPTION

The Administration Center serves as the operating office for Mendocino County. The building is a single-story structure on a concrete foundation, stucco exterior walls, with a sprayed-on polyurethane mastic and foam insulation roofing system on top of bitumen roofing over a wood deck. Other observed exterior finishes in the subject areas include: perimeter roof flashing systems, parapet roof flashing systems, and various HVAC system tapes and mastic. Interior finishes include a white painted plaster wall system and unfinished drywall between the interior plaster and exterior stucco system.

3.0 ACM MATERIAL SURVEY

3.1 DOCUMENTS REVIEW

The following documents were referenced for the hazardous material survey to identify the specific areas of work and to determine associated building systems that may be indirectly impacted during the scope of work.

• Interactive Resources – Administration Center – South Wing Architectural Drawings – October 4, 2017

3.2 VISUAL INSPECTION

Asbestos survey activities were carried out by Jairus Vasquez, CAC #16-5748, as required by 1529 (b) of Title 8 of the California Code of Regulations (CCR).

Interior finishes observed include painted plaster wall systems, unpainted wood ceiling deck and unfinished drywall. After speaking with Mr. Anderson, the scope of interior disturbance includes ceiling and wall penetrations for the anticipated drain installation.



Exterior finishes observed include painted wood wall siding, painted wood trim, painted stucco, foam insulated roof system over a built-up roof system, grey parapet flashing mastic, white parapet flashing mastic, grey perimeter flashing mastic. The HVAC system was also observed with light grey, dark grey, and white HVAC tape.

Millennium's field observations noted the following:

SUSPECT MATERIAL:

- a. Black Tar Roofing System
- b. Yellow Roof Insulation
- c. White Roofing Patch Tape/Mastic
- d. White HVAC Tape
- e. Light Grey (New) HVAC Tape

- f. Dark Grey (Old) HVAC Tape
- g. Parapet Roof Flashing Mastic
- h. Perimeter Roof Flashing Mastic
- i. Parapet Roof Flashing Caulk
- j. Beige Stucco

3.3 BULK SAMPLE COLLECTION AND ANALYSIS

A preliminary walk-through of the subject property building was performed to familiarize the inspector with the structure and to identify suspect ACM.

The subject areas were assessed for suspect asbestos-containing surfacing materials, suspect asbestoscontaining miscellaneous friable materials, suspect asbestos-containing Category I non-friable materials, and suspect asbestos-containing Category II non-friable materials. Friable materials are defined as those materials, when dry, that can be crumbled or reduced to powder by hand pressure. Category I non-friable materials are defined as packing, gaskets, asphalt roofing materials and resilient flooring materials and associated mastics in which the asbestos fibers are bound within a resinous matrix. Category II non-friable materials are defined as other non-friable materials such as transite in which the asbestos fibers are bound within a cement-like matrix.

During the walk-through, homogeneous sample groups (HSGs) were identified at the project site. Based on the identified HSG and analytical data, a bulk-sampling plan for suspect ACM was developed.

The asbestos survey consisted of discrete bulk sampling on room finishes in the subject areas where new installations were scheduled. Interior samples collected in areas behind doorways, in corners or in areas not readily observable. All friable suspect materials were wetted prior to sample collection using a handheld spray bottle. All samples were collected using manual methods, placed into individual plastic sample bags, and shipped to the laboratory under chain of custody for analysis. A total of twenty-five (25) bulk samples (not including all layers) were collected and submitted for analysis.

Bulk sampling was conducted in accordance with procedures outlined in the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) asbestos standard (40 CFR Part 61 Subpart M). The procedure requires the inspector(s) to select random sampling locations from homogeneous materials suspected to contain asbestos.

Twenty-five (25) suspect ACM bulk samples were collected throughout the interior, exterior, and roof. The samples were shipped under chain-of-custody procedures to EMSL Analytical, located in San Leandro, California. EMSL is accredited by the California Department of Health Services and National Institute of Standards and Technology's National Voluntary Laboratory Accreditation Program. The ACM bulk samples were analyzed using Polarized Light Microscopy (PLM) in accordance with the EPA Method for the Determination of Asbestos in Bulk Building Materials (Method 600/R-93/116).



3.4 REGULATIONS

3.4.1 BUILDING SURVEY

Sampling of suspect ACM was conducted on identified suspect materials regardless of their condition (i.e., friability) at the time of the survey. The assessment and sampling of suspect non-friable materials were included in the scope of work because their condition could change during renovation and/or demolition activities. Their change in condition could result in their reclassification from non-friable ACM to regulated ACM (RACM) that are subject to the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) asbestos standard (40 CFR Part 61, Subpart M). During the walk-through, homogeneous sample groups were identified in the building. Based on the identified sampling groups, a bulk-sampling plan for suspect ACM was developed.

3.4.2 WORKER PROTECTION

Construction materials containing greater than 1 percent of asbestos content are defined as an Asbestos Containing Material (ACM) and are regulated under both federal and state regulations. Construction materials containing asbestos greater than 0.1% are defined as an Asbestos Containing Construction Material (ACCM) and are regulated by the State of California. Cal/OSHA regulates the removal of both ACM and ACCM.

Please refer to Title 8§1529-Asbestos for the regulatory requirements associated with working with both ACM and ACCM. Additionally, refer to §1529(r)-Report of Use and Asbestos-related Work Registration for the registration requirement of contractors involved in asbestos-related work involving over 100 square feet of ACCM/ACM. In instances where a material contains asbestos in concentrations below the ACCM regulatory threshold, the employer is required to comply with Cal/OSHA 5194-Hazard Communication in addition to pertinent sections of §1529-Asbestos.

3.4.3 HAZARDOUS WASTE

In California, ACMs that are friable or will become friable during abatement are classified as a California-Hazardous Waste, and require additional special handling, packaging and disposal.

4.0 LEAD SURVEY

Lead survey activities were carried out by Jairus Vasquez, CDPH certified Lead Inspector Assessor (CDPH # 26496).

4.1 LEAD SURVEY OVER VIEW

A preliminary walk-through of the subject property building was performed to familiarize the inspector with the structure and to identify suspect lead-containing materials.

Five (5) paint chip samples, from impacted painted drywall systems were collected and submitted under chain of custody procedures to EMSL Analytical in San Leandro, California. EMSL is accredited under the California A2HA Environmental Laboratory Accreditation Program. The samples were analyzed by Flame Atomic Absorption for total lead content (EPA Method 3050B/7000B).

4.2 LEAD SURVEY RESULTS

The sample locations and results are presented in Table 2, attached to this report. The location of each sample is provided in Appendix A; the analytical laboratory report is provided in Appendix B.



Based on the observed material included in the scope of work, samples from the following materials were collected for lead content analysis.

- a. White Paint Interior Wall Plaster
- b. Beige Paint Roof Equipment Tent
- c. Beige Paint Wood Roof Panel Siding
- d. Green Paint Wood Roof Trim
- e. Beige Paint Roof and Exterior Wall Stucco

According to the analytical results, the fooling materials were identified to have lead containing paints or coatings (LCP):

a. White Painted Interior Plaster

5.0 SURVY FINDINGS

According to the analytical results, the following materials contained >1% asbestos and were identified as Asbestos Containing Material (ACM):

• Grey Parapet Flashing Mastic

According to the analytical results, the fooling materials were identified to have lead containing paints or coatings (LCP):

• White Painted Interior Plaster

A summary of all ACM and LCP samples is provided in Table 1-2.

According to the analytical results, the following materials were found NOT TO CONTAIN asbestos in any detectable concentrations:

- White Interior Plaster
- White Interior Drywall System
- White Roof Patch Tape/Mastic
- Yellow Foam Insulated Roofing
- Black Built-Up Roof System
- Light Grey HVAC Tape

- Dark Grey HVAC Tape
- White HVAC Tape
- White Parapet Flashing Caulk
- Grey Perimeter Flashing Mastic
- Exterior Stucco
- Grey Parapet Flashing Mastic



6.0 CONCLUSIONS AND RECOMMENDATIONS – ABATEMENT OPTIONS

Based on the analytical results the following materials have been identified as ACM and shall be removed as asbestos containing materials in accordance with Cal-OSHA and Mendocino Air Quality Management District regulations prior to disturbance in areas included in the scope of work:

• Grey Parapet Flashing Mastic

Based on the analytical results the following materials have been identified as LCP and shall be handled in accordance with CCR Title 8 Section 1532.1 Lead in Construction Standard.

• White Painted Interior Plaster

This conclusion is based on the initial scope of work as provided to Millennium Consulting Associate; if the scope of work changes, and building materials outside those identified and sampled for this report are to be disturbed, Millennium recommends further survey work before commencement of renovation activities.



TABLES

| TABLE 1 | ACM SURVEY RESULTS |
|---------|---------------------|
| TABLE 2 | LEAD SURVEY RESULTS |

Table 1 - Detailed Listing of ACM and non-ACM SamplesCounty of Mendocino3084.2002 - Administration Center

| Sample No. | Material | Sample Location | Color | Asbestos Content / Type | Point Count Result | EPA Category | Cal/OSHA Class | Comment |
|---------------------|----------------------|--|------------------|-------------------------|--------------------|--------------|----------------|---------|
| 171111-14.01 | Plaster | Interior Office - NW | White | None Detected | | - | - | - |
| 171111-14.02 | Plaster | Interior Office - N. Wall | White | None Detected | - | - | - | - |
| 171111 14.02 | Drywall | Interior Office - Residual Ceiling Deck | White | None Detected | - | - | - | - |
| 171111-14.03 | Joint compound | Interior Office - Residual Ceiling Deck | White | None Detected | - | - | - | - |
| 171003-14.04 | Plater | Interior Office - NW | White | None Detected | - | - | - | - |
| | Таре | Roof - Far SW | White | None Detected | - | - | - | - |
| 171111-14.05 | Mastic | Roof - Far SW | Grey | None Detected | - | - | - | - |
| | Insulation | Roof - Far SW | Yellow | None Detected | - | - | - | - |
| | Таре | Roof - South Center | White | None Detected | - | - | - | - |
| 171111-14.06 | Mastic | Roof - South Center | Grey | None Detected | - | - | - | - |
| | Insulation | Roof - South Center | Yellow | None Detected | - | - | - | - |
| 171111-14.07 | Tar | Roof - Far SW | Black | None Detected | - | - | - | - |
| 1/1111-14.07 | Insulation | Roof - Far SW | Yellow | None Detected | - | - | - | - |
| 171111-14.08 | Tar | Roof - Access Ladder | Black | None Detected | - | - | - | - |
| 171111-14.08 | Insulation | Roof - Access Ladder | Yellow | None Detected | - | - | - | - |
| 171111-14.09 | Tar | Roof - South Center | Grey | None Detected | - | - | - | - |
| 1/1111-14.09 | Insulation | Roof - South Center | Grey | None Detected | - | - | - | - |
| 171111-14.10 | White HVAC Tape | HVAC Duct - Access Ladder | White | None Detected | - | - | - | - |
| 1/1111-14.10 | Mastic | HVAC Duct - Access Ladder | Brown/black | None Detected | - | - | - | - |
| 17111-14.11 | White HVAC Tape | HVAC Duct - Sout Center | White | None Detected | - | - | - | - |
| 1 / 1 1 1 - 1 4.1 1 | Mastic | HVAC Duct - Sout Center | Brown/Black | None Detected | - | - | - | - |
| 171111-14.12 | White HVAC Tape | HVAC Handler - Middle SW | White | None Detected | - | - | - | - |
| 171111-14.13 | Dark Grey HVAC Tape | HVAC Duct - Access Ladder | Dark Grey (Old) | None Detected | - | - | - | - |
| 171111 1/1/ | Dark Grey HVAC Tape | HVAC Duct - South Center | Dark Grey (Old) | None Detected | - | - | - | _ |
| 171111-14.14 | Mastic | HVAC Duct - South Center | Brown/Black | None Detected | - | - | - | - |
| 171111-14.15 | Dark Grey HVAC Tape | HVAC Handler - Far SW | Dark Grey (Old) | None Detected | - | - | - | - |
| 171111-14.16 | Light Grey HVAC Tape | HVAC Duct - Access Ladder | Light Grey (New) | None Detected | - | - | - | - |

Table 1 - Detailed Listing of ACM and non-ACM SamplesCounty of Mendocino3084.2002 - Administration Center

| Sample No. | Material | Sample Location | Color | Asbestos Content / Type | Point Count Result | EPA Category | Cal/OSHA Class | Comment |
|--------------|----------------------------|-----------------------------------|------------------|-------------------------|--------------------|-------------------------|----------------|---------|
| 171111 14 17 | Light Grey HVAC Tape | HVAC Duct - South Center | Light Grey (New) | None Detected | - | - | - | - |
| 171111-14.17 | Mastic | HVAC Duct - South Center | Black/Brown | None Detected | - | - | - | - |
| 171111-14.18 | Light Grey HVAC Tape | HVAC Duct - Far SW | Light Grey (New) | None Detected | - | - | - | - |
| 171111-14.19 | Parapet Flashing Mastic | Roof Far - SW | Grey | 4% Chrysotile | - | Category I - Nonfriable | Class II | - |
| 171111-14.20 | Perimieter Flashing Mastic | Roof Far - SW @ Equipment Room | Grey | None Detected | - | - | - | - |
| 171111-14.21 | Perimeter Flashing Mastic | Roof Far - SE | Grey | None Detected | - | - | - | - |
| 171111-14.22 | Parapet Flashing Caulk | Roof Far - SW | White | None Detected | - | - | - | - |
| 1/1111-14.22 | Parapet Mastic | Roof Far - SW | Grey | None Detected | | | | |
| 171111-14.23 | Parapet Flashing Caulk | Roof Far - SW | White | None Detected | - | - | - | - |
| 171111-14.24 | Stucco | North Entracne Exterior | Grey | None Detected | - | - | - | - |
| 171111-14.25 | Stucco | North Entrance Exterior | Grey | None Detected | - | - | - | - |

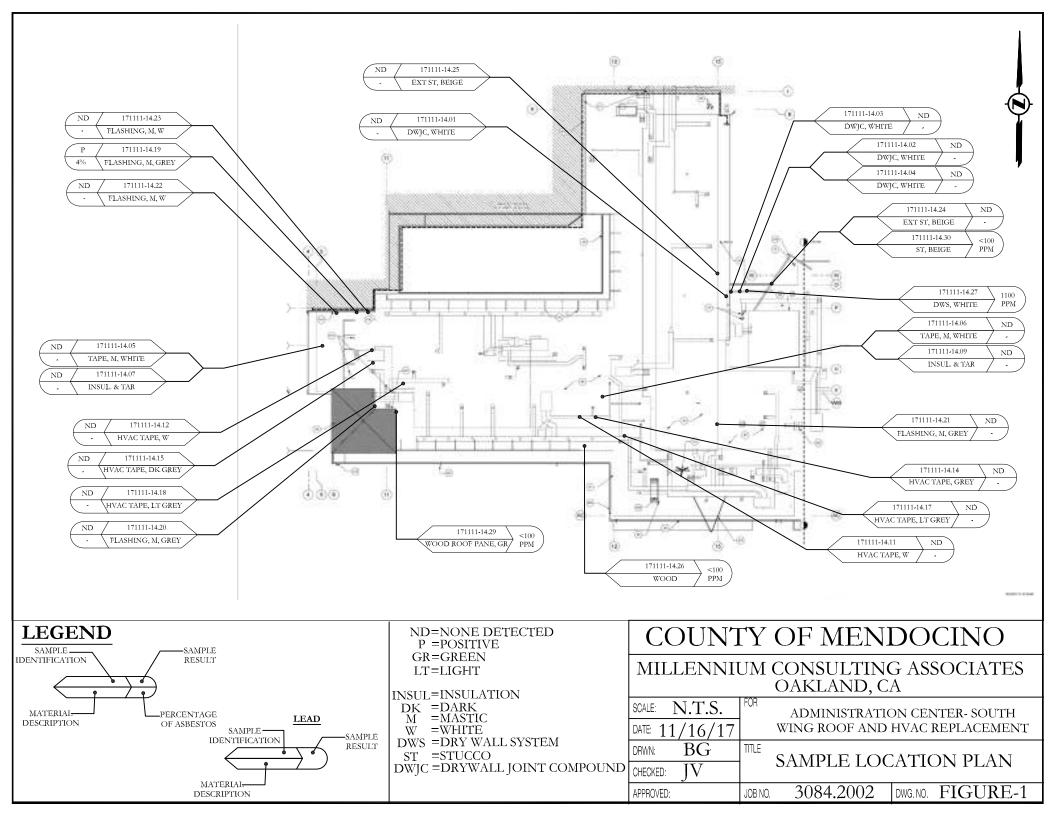
Table 2 - Detailed Listing of Lead Paint SurveyCounty of Mendocino3084.2002 - Administration Center

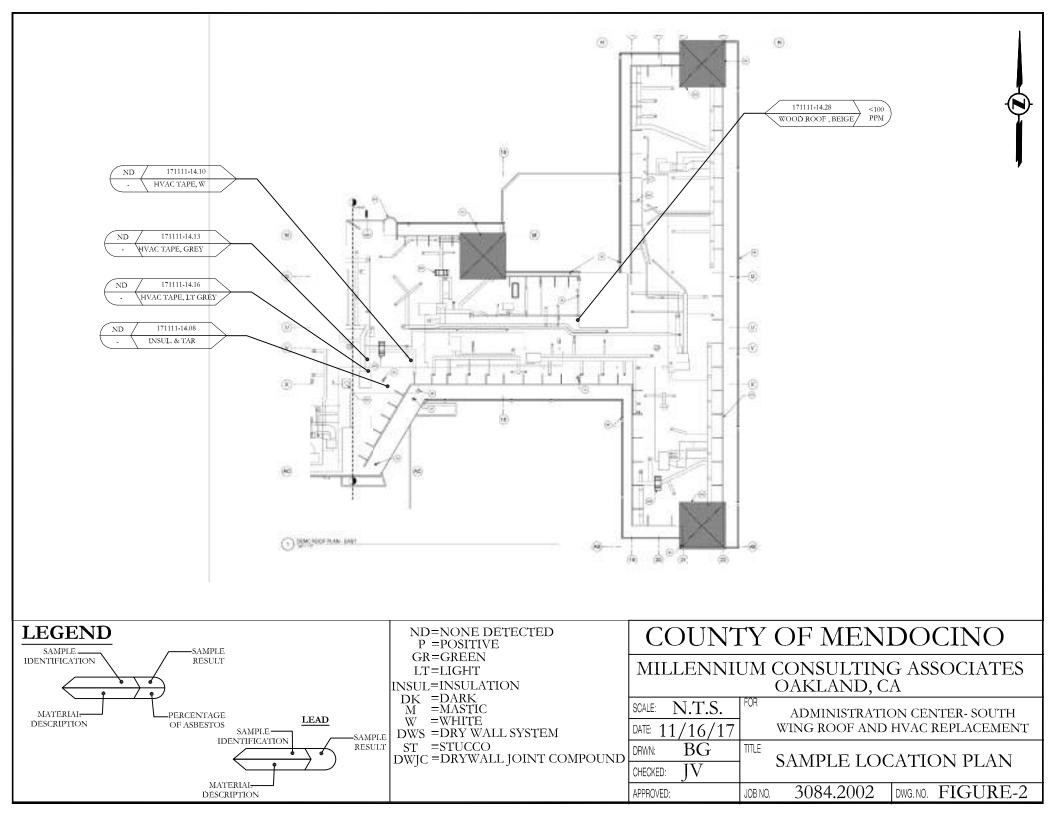
| Sample No. | Material Description / Substrate | Location | Substrate Description | Condition | Lead Concentration (ppm) |
|--------------|-----------------------------------|---------------------------------|-----------------------|-----------|-----------------------------|
| 171111-14.26 | Beige Painted Roof Equipment Tent | Roof - South Center | Wood | Poor | <100 |
| 171111-14.27 | White Plaster Wall | Interior Office - North Wall | Plaster | Intact | 1,100 ppm |
| 171111-14.28 | Beige Painted Wood Paneling | Roof - South East | Wood | Intact | <100 ppm |
| 171111-14.29 | Green Wood Roof Trim | Roof - South East | Wood | Intact | <100 ppm |
| 171111-14.30 | Beige Exterior Stucco | North Entrance | Stucco | Intact | <100 ppm |



APPENDIX A

SITE MAP AND SAMPLING LOCATIONS







APPENDIX B

BULK SAMPLE ANALYTICAL LABORATORY REPORTS (ASBESTOS & LEAD)

EMSL Order: 091721789 **EMSL** Analytical, Inc. Customer ID: MECA62 464 McCormick Street San Leandro, CA 94577 MSI Customer PO: 12982 Tel/Fax: (510) 895-3675 / (510) 895-3680 Project ID: http://www.EMSL.com / sanleandrolab@emsl.com Attention: Jairus Vasquez Phone: (925) 808-6700 Millennium Consulting Associates, Inc. Fax: (925) 808-6708 401 Roland Way Received Date: 11/13/2017 12:00 PM Suite 250 Analysis Date: 11/13/2017 Oakland, CA 94621 Collected Date: 11/11/2017 Project: 12982 - 3084.2002 - ADMIN CENTER

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| | | | Non-Asbe | stos | Asbestos |
|---|---|--------------------------------------|--------------|---|---------------|
| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Туре |
| 171111-14.01 091721789-0001 Sample is plaster not DW/JC | Interior Office NW Wall PI DWS + JC - Wall | White Non-Fibrous Homogeneous | | 70% Ca Carbonate 30% Non-fibrous (Other) | None Detected |
| 171111-14.02 091721789-0002 Sample is plaster not DW/JC | Interior Office N Wall @ Edge - DWS + JC - Wall | White Non-Fibrous Homogeneous | | 70% Ca Carbonate 30% Non-fibrous (Other) | None Detected |
| 171111-14.03-Joint Compound | Interior Office @ Deck - DWS + JC - Residual Ext. | White Non-Fibrous Homogeneous | | 70% Ca Carbonate 30% Non-fibrous (Other) | None Detected |
| 091721789-0003 171111-14.03-Drywall 091721789-0003A | Interior Office @ Deck - DWS + JC - Residual Ext. | White Non-Fibrous Homogeneous | 2% Cellulose | 80% Gypsum 18% Non-fibrous (Other) | None Detected |
| 171111-14.04 091721789-0004 Sample is plaster not DW/JC | Interior Office @ Deck - DWS + JC - Residual Ext. | White Non-Fibrous Homogeneous | | 10% Quartz 25% Gypsum 65% Non-fibrous (Other) | None Detected |
| 171111-14.05-Roof Tape | Roof - Far SW - White Roof Tape/Mastic + Insulation | White Non-Fibrous Homogeneous | 5% Cellulose | 70% Matrix 25% Non-fibrous (Other) | None Detected |
| 171111-14.05-Mastic 091721789-0005A | Roof - Far SW - White Roof Tape/Mastic + Insulation | Gray Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.05-Insulation | Roof - Far SW - White Roof Tape/Mastic + Insulation | Yellow Non-Fibrous Homogeneous | | 100% Matrix | None Detected |
| 171111-14.06-Roof Tape | Roof - S Center- White Roof Tape/Mastic + Insulation | White Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.06-Mastic 091721789-0006A | Roof - S Center- White Roof Tape/Mastic + Insulation | Gray Non-Fibrous Homogeneous | | 60% Matrix 40% Non-fibrous (Other) | None Detected |
| 171111-14.06-Insulation | Roof - S Center- White Roof Tape/Mastic + Insulation | Yellow Non-Fibrous Homogeneous | | 100% Matrix | None Detected |
| 171111-14.07-Tar | Roof - Far SW - Insulation + Tar | Black Non-Fibrous Homogeneous | 5% Glass | 25% Ca Carbonate 60% Matrix 10% Non-fibrous (Other) | None Detected |
| 171111-14.07-Insulation | Roof - Far SW - Insulation + Tar | White Non-Fibrous Homogeneous | | 100% Matrix | None Detected |

Initial report from: 11/13/2017 16:15:09



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577 Tel/Fax: (510) 895-3675 / (510) 895-3680 http://www.EMSL.com / sanleandrolab@emsl.com
 EMSL Order:
 091721789

 Customer ID:
 MECA62

 Customer PO:
 12982

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| | | | | Non-Asbestos | | Asbestos |
|-------------------------|--|--------------------------------------|-----------|--------------|---|-----------------------|
| Sample | Description | Appearance | % Fibrous | | % Non-Fibrous | % Туре |
| 171111-14.08-Tar | Roof @ Ladder - Insulation + Tar | Black Non-Fibrous | | | 80% Matrix 20% Non-fibrous (Other) | None Detected |
| 091721789-0008 | | Homogeneous | | | | |
| 171111-14.08-Insulation | Roof @ Ladder - Insulation + Tar | Yellow Non-Fibrous | | | 100% Matrix | None Detected |
| 091721789-0008A | | Homogeneous | 504 01 | | | N 5 () |
| 171111-14.09-Tar | Roof - S Center - Insulation + Tar | Black Non-Fibrous | 5% Gla | SS | 20% Ca Carbonate 60% Matrix 15% Non-fibrous (Other) | None Detected |
| | Deef C Canton | Homogeneous | | | | News Detected |
| 71111-14.09-Insulation | Roof - S Center - Insulation + Tar | Yellow Non-Fibrous Homogeneous | | | 100% Matrix | None Detected |
| | HVAC Duct @ Ladder | Gray | | | 70% Matrix | None Detected |
| 171111-14.10-Tape | - White HVAC Tape/Mastic | Non-Fibrous Homogeneous | | | 30% Non-fibrous (Other) | None Delected |
| 171111-14.10-Mastic | HVAC Duct @ Ladder | Black | | | 80% Matrix | None Detected |
| 091721789-0010A | - White HVAC Tape/Mastic | Non-Fibrous Homogeneous | | | 20% Non-fibrous (Other) | |
| 171111-14.11-Tape | Roof HVAC Duct - S | White | | | 70% Matrix | None Detected |
| 991721789-0011 | Center - White HVAC Tape + Mastic | Non-Fibrous Homogeneous | | | 30% Non-fibrous (Other) | |
| 171111-14.11-Mastic | Roof HVAC Duct - S | Brown | | | 70% Matrix | None Detected |
| 991721789-0011A | Center - White HVAC Tape + Mastic | Non-Fibrous Homogeneous | | | 30% Non-fibrous (Other) | |
| 171111-14.12-Tape | Roof - Mid SW Air | White | | | 70% Matrix | None Detected |
| 17 1111-14.12-14pe | Handler - White HVAC Tape + Mastic | Non-Fibrous Homogeneous | | | 30% Non-fibrous (Other) | None Detected |
| 171111-14.12-Mastic | Roof - Mid SW Air Handler - White | | | | | Insufficient Material |
| 091721789-0012A | HVAC Tape + Mastic | | | | | |
| 171111-14.13-Tape | Roof @ Ladder - Old/Dark Grey HVAC | Silver Non-Fibrous | | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 091721789-0013 | Tape/Mastic | Homogeneous | | | | |
| 171111-14.13-Mastic | Roof @ Ladder - Old/Dark Grey HVAC | | | | | Insufficient Material |
| 091721789-0013A | Tape/Mastic | | | | | |
| 171111-14.14-Tape | Roof - S Center - Old/Dark Grey HVAC Tape/Mastic | White Non-Fibrous | | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.14-Mastic | Roof - S Center - | Homogeneous Brown | | | 70% Matrix | None Detected |
| 091721789-0014A | Old/Dark Grey HVAC | Brown Non-Fibrous Homogeneous | | | 30% Non-fibrous (Other) | |
| 171111-14.15-Tape | Roof - SW @ Handler | White | | | 70% Matrix | None Detected |
| 991721789-0015 | - Old/Dark Grey HVAC Tape/Mastic | Non-Fibrous Homogeneous | | | 30% Non-fibrous (Other) | |
| 171111-14.15-Mastic | Roof - SW @ Handler - Old/Dark Grey | - | | | | Insufficient Material |
| 091721789-0015A | HVAC Tape/Mastic | | | | | |
| 71111-14.16-Tape | Roof @ Ladder - New/Light Grey HVAC | Gray Non-Fibrous | | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 091721789-0016 | Tape/Mastic | Homogeneous | | | | |
| 171111-14.16-Mastic | Roof @ Ladder - New/Light Grey HVAC | | | | | Insufficient Material |
| 091721789-0016A | Tape/Mastic | | | | | |
| 171111-14.17-Tape | Roof - S Center - New/Light Grey HVAC | Gray Non-Fibrous | | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 091721789-0017 | Tape/Mastic | Homogeneous | | | | |

Initial report from: 11/13/2017 16:15:09



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577 Tel/Fax: (510) 895-3675 / (510) 895-3680 http://www.EMSL.com / sanleandrolab@emsl.com
 EMSL Order:
 091721789

 Customer ID:
 MECA62

 Customer PO:
 12982

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| | | | Asbestos | | |
|--------------------------------|---|--|-----------|---|-----------------------|
| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Туре |
| 171111-14.17-Mastic | Roof - S Center - New/Light Grey HVAC Tape/Mastic | Brown Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.18-Tape | Roof - SW - New/Light Grey HVAC Tape/Mastic | Gray Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.18-Mastic | Roof - SW - New/Light Grey HVAC Tape/Mastic | | | | Insufficient Material |
| 171111-14.19 091721789-0019 | Roof - Far SW - Grey Flashing Mastic | Gray/Black Non-Fibrous Homogeneous | | 60% Matrix 36% Non-fibrous (Other) | 4% Chrysotile |
| 171111-14.20 091721789-0020 | Roof @ NW Equip. Room - Grey Flashing Mastic | Gray Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.21 091721789-0021 | Roof - Far SE - Grey Flashing Mastic | Gray/Black Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.22-Mastic | Far SW - White Flashing Mastic/Caulk | Gray Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.22-Caulk | Far SW - White Flashing Mastic/Caulk | White Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.23-Mastic | Far SW - White Flashing Mastic/Caulk | | | | Insufficient Material |
| 171111-14.23-Caulk | Far SW - White Flashing Mastic/Caulk | White Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 171111-14.24 091721789-0024 | N Entrance - Beige Slab - Ext. Stucco | Gray Non-Fibrous Homogeneous | | 25% Quartz 15% Gypsum 60% Non-fibrous (Other) | None Detected |
| 171111-14.25 091721789-0025 | N Entrance - Red Slab - Ext. Stucco | Gray Non-Fibrous Homogeneous | | 25% Quartz 15% Gypsum 60% Non-fibrous (Other) | None Detected |

Analyst(s)

Jared Martin (38)

Mattic

Matthew Batongbacal or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc San Leandro, CA NVLAP Lab Code 101048-3, WA C884

Initial report from: 11/13/2017 16:15:09

Company :

Street:

City:

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

Lab Use Unity:

Zip/Postal Code: 94621

Telephone #: 925-808-6700

EMSL ANALYTICAL, INC. 464 McCormick Street San Leandro, CA 94577 PHONE: (510) 895-3675 FAX: (510) 895-3680

EMSL-Bill to:X Same Different

If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party

Country:

| <u>em</u> sl | ANALY | TIČAL | INC. |
|--------------|-----------|----------|------|
| LADORA | ICRY PROD | UCT9-110 | |

Oakland

Millennium Consulting Associates

State/Province:

CA

401 Roland Way, Ste 250

Report To (Name): JAIRUS VASQUEZ

EMB

| Email Address: jfeiner@mecaenviro.com | | Fax #: F | | | PL | Purchase Order: 12983 | | |
|---|---|------------------------|-------------------------|-----------------|---------------------|-----------------------|-----------|--|
| Project Name/Number: 3084. 2002 - | NOMM CEXTER | Please P | rovide Res | ults: 🗌 Fax | | | | |
| U.S. State Samples Taken: 5 | . State Samples Taken: 5 CT Samples: Commercial/Taxable Residential/Tax Exempt | | | | | | | |
| F | Turnaround Time (TAT) Options* - Please Check | | | | | | | |
| | Hour 🗌 48 Hour | | 2 Hour | 🗌 96 Hour | | Week | 2 Week | |
| | *Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide | | | | | | | |
| Matrix | Method | | Ins | trument | Repo | orting Limit | Check | |
| Chips 🗆 % by wt. 🗆 mg/cm² 🗡 ppm | (11/13/17 SW846-7000 | B | Flame At | omic Absorption | | 0.01% | R | |
| Air | NIOSH 7082 | | Flame At | omic Absorption | | µg/filter | | |
| | NIOSH 7105 | | | E Furnace AA | | 3 µg/filter | | |
| | NIOSH 7300 mod | lified | ICP-A | ES/ICP-MS | 0.5 | 5 µg/filter | | |
| Wipe* ASTM | SW846-7000 | | | omic Absorption | | µg/wipe | | |
| non ASTM 🔲 *if no box is checked, non-ASTM | SW846-6010B c | or C | ICP-AES | | 1.0 |) µg/wipe | | |
| Wipe is assumed | SW846-7000B/7010 | | Graphite Furnace AA | | | 5 µg/wipe | | |
| TCLP | SW846-1311/7000B/S | | | omic Absorption | | ng/L (pp <u>m)</u> | | |
| | SW846-1131/SW846-6 | | | CP-AES | | ng/L (ppm) | 느낄니 | |
| Soil | SW846-7000 | | | omic Absorption | 40 m | <u>g/kg (ppm)</u> | | |
| | SW846-7010 | | | e Furnace AA | | ng/kg (ppm) | | |
| | SW846-6010B c | | | CP-AES | | g/kg (ppm) | | |
| Wastewater Unpreserved | SM3111B/SW846-7000B | | Flame Atomic Absorption | | 0.4 mg/L (ppm) | | ┟──╞╦┥──╽ | |
| Preserved with $HNO_3 pH < 2$ | EPA 200.9 | | Graphite Furnace AA | | 0.003 mg/L (ppm) | | ┝╴╞╡╴┤ | |
| | EPA 200.7 | | | CP-AES | | mg/L (ppm) | ┠──╞╡──┨ | |
| Drinking Water Unpreserved | EPA 200.9 | | | e Furnace AA | | mg/L (ppm) | | |
| Preserved with HNO ₃ pH < 2 \Box | EPA 200.8 | | | CP-MS | | mg/L (ppm) | ┡╌╞╡╼┥ | |
| TSP/SPM Filter | 40 CFR Part 50 40 CFR Part 50 | | | | <u>12 µg/filter</u> | | ┨─╞╡──╽ | |
| 40 CFR | | 50 Graphite Furnace AA | | 3.6 µg/filter | | ┠─╆╡──┥ | | |
| Other: Image: Signature of Sampler: Champer: Champer: Strengthere | | | | | | | | |
| Name of Sampler: JAINUS VASQ | 167 | | ture of Sa | | -van | | | |
| I Sample # 1 i ocation | | Volume/Area | | | Date/Time Sampled | | | |
| 174111-14.26 ROOF S. CENTER | WOOD BAUIP. TENT | | - | | | .11.11.18 | | |
| - 14.27 WHITE DWS - INTE | | | | | | | | |
| -14-28 BEIDE WOOD ROOF | PANEL | | | | | | | |
| - 14.29 GREEN WOOD ROOF | TRIM | | | | | | | |
| 4 - 14,30 BELGE SULCO | | | | | | 4 | | |
| Client Sample #'s | | | | | | | | |
| | Date: | 11. | 13.1 | | | | | |
| - An | | | 1 - | | † | 事 12:00 | pm wi | |
| Comments: | | | | | | | | |
| | | | | | | | | |

Controlled Document --- Lead (Pb) COC - R6- 6/12/2012

Page 1 of _ pages

Page 1 Of 1

| EMSL | EMSL | Asbestos Bulk Building Mat Chain of Custody EMSL Order Number (Lab Use On | | | EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675 | | |
|---|---|---|---|---|--|----------------------------------|--|
| EMSL ANALYTICAL, INC | | 172 | 1789 | | | 6) 786-5974 | |
| Company : Millennium Consulting Associates | | | EMSL-Bill to: X Same Different If Bill to is Different note instructions in Comments** | | | | |
| Street: 401 Roland W | /ay Suite 250 | | Third Party | Billing requires writ | en authorization from | third party | |
| City: Oakland | State/Pro | vince:CA | Zip/Postal Code | : 94621 | Country: US | | |
| Report To (Name): | JAIRUS VASQUEZ | | Telephone #: (92 | 25) 808-6700 | | | |
| Email Address: jfeir | The second se | | Fax #: (925) 808- | A SHARE AND A SHARE AND | Purchase Order | 12982 | |
| | er: 3084.2002 - ADM | 1 X CENTER | Please Provide I | | | | |
| U.S. State Samples | | | | | able 🗌 Resident | tial/Tax Exempt | |
| *For TEM Air 3 hr throug an authorization | 6 Hour 24 Hour th 6 hr, please call ahead to sched form for this service. Analysis co - Bulk (reporting limit) | 48 Hour | remium charge for 3 Hou | TEM AHERA or EP | ated in the Analytical P | | |
| X PLM EPA 600/R-9 | | | | | | | |
| PLM EPA NOB (< | | | NY ELAP Metho | | | | |
| | (<0.25%) [] 1000 (<0.1%) | 11/11/18 | Chatfield Protoco | | ive) | | |
| and the second se | netric 400 (<0.25%) 10 | 000 (<0.1%) | TEM % by Mass | | the state of the s | 2 | |
| □ NIOSH 9002 (<1%) | | | TEM Qualitative | | | | |
| | 1 198.1 (friable in NY) | | TEM Qualitative | via Drop Mount F | Prep Technique | | |
| NY ELAP Method 198.6 NOB (non-friable-NY) | | | | Oth | er | | |
| OSHA ID-191 Mo | dified | | | | | | |
| Standard Addition | n Method ve Stop – Clearly Identify H | lomogenous | Group Date Sam | pled: //·/ | 1-17 | | |
| Standard Addition Check For Positi | | lomogenous | | | 1.17 Vasque. | 2 | |
| Standard Addition | ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl | le Location | Group Date Sam Samplers Sign | nature: | 1-17 Vasav laterial Descriptio | 2- n | |
| Standard Addition | ve Stop - Clearly Identify H JAIRUS VASQUEZ | le Location | Group Date Sam Samplers Sign | nature: | Wasq5. | | |
| Standard Addition | ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl | le Location J WA ^{(L} @6 | Group Date Sam Samplers Sign | nature: | laterial Descriptio | | |
| Standard Addition | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE Q | le Location J WALL ØL G WALL @ DECK | Group Date Sam Samplers Sign | nature: | laterial Descriptio - WALL - WALL - RESIDU | AL EXT. | |
| Standard Addition | ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N | le Location J WALL @6 7. WALL @ | Group Date Sam Samplers Sign | nature: M pws +JC | Laterial Descriptio | IK EXT. - EKT | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # **/// -14.02 -14.04 2 -14.05 3 / 4 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE Q IN ROOF - FAR SW | le Location J WALL ØL G WALL @ DECK | Group Date Sam Samplers Sign | nature: M pws +JC | laterial Descriptio - WALL - WALL - RESIDU | IK EXT. - EKT | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # **/// -14.02 -14.04 2 -14.05 3/4 -14.06 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE N INTERIOR OFFICE Q II ROOF TAR SW M ~ - S. CE | le Location J WALL @L R. WALL @ DECK W | Group Date Sam Samplers Sign | MATTE ROOF | Laterial Descriptio | IK EXT. - EKT | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # **/// -14.02 -14.04 2 -14.05 3/4 -14.05 3/4 -14.07 4/5 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE @ II FOOF TAR SW | le Location J WALL @L R. WALL @ DECK W | Group Date Sam Samplers Sign | nature: M pws +JC | Laterial Descriptio | AK EXT. - EXT | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # */// -14.02 -14.04 2 -14.05 3/4 -14.05 3/4 -14.05 -14.05 3/4 -14.05 3/4 -14.05 -14.05 3/4 -14.05 3/4 -14.08 4/5 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE N INTERIOR OFFICE Q II ROOF TAR SW M ~ - S. CE | le Location J WALL @L R. WALL @ DECK W | Group Date Sam Samplers Sign | MATTE ROOF | Laterial Descriptio | AK EXT. - EXT | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # */// -14.02 -14.03 -14.04 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.07 4/5 -14.08 -14.09 -14.09 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE N INTERIOR OFFICE (C IN ROOF FAR S.W ROOF FAR S.W ROOF & LADDER ROOF S. CENTER | le Location J WALL @L R. WALL @ DECK W | Group Date Sam Samplers Sign | nature: М РWS + J ин пе Роог INSUKATION + | Laterial Descriptio | IK EXT. - EKT | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # */// -14.02 -14.04 2 -14.05 3/4 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 -14.05 3/4 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.07 4/5 -14.08 -14.09 -14.09 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE Q IN ROOF TAR S.W ROOF FAR S.W ROOF & LADDER | le Location J WALL @L R. WALL @ DECK W | Group Date Sam Samplers Sign | nature: М РWS + J ин пе Роог INSUKATION + | Alaterial Descriptio | K EXT. - ERT T INSULATION | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # "/// -1401 -14.02 -14.03 -14.04 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.07 4/5 -14.08 4/5 -14.09 4/5 -14.09 -14.09 4/5 -14.09 -14.09 4/5 -14.09 5 -14.09 4/5 -14.09 5 5 6 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampi INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE N INTERIOR OFFICE Q IN ROOF TAR S.W ROOF FAR S.W ROOF S. CENTER HAL DUCT Q LADDER | le Location J WALL @L A WALL @ DECK N ENTER. | Group Date Sam Samplers Sign | nature: | Interial Descriptio | IK EXT. - EXT | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # */// -14.02 -14.03 -14.04 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.05 -14.07 4/5 -14.08 -14.09 -14.09 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampi INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE N INTERIOR OFFICE Q IN ROOF TAR S.W ROOF FAR S.W ROOF S. CENTER HAL DUCT Q LADDER | le Location J WALL @L R. WALL @ DECK W | Group Date Sam Samplers Sign | nature: | Laterial Descriptio | AK EXT. - EXT T INSULATION | |
| Standard Addition Check For Positi Samplers Name: Sample # HA # "/// -1401 -14.02 -14.03 -14.04 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.05 3/4 -14.05 -14.07 4/5 -14.08 4/5 -14.09 4/5 -14.09 -14.09 4/5 -14.09 -14.09 4/5 -14.09 5 -14.09 4/5 -14.09 5 5 6 | Ve Stop - Clearly Identify H JAIRUS VASQUEZ Sampl INTERIOR OFFICE NA INTERIOR OFFICE N INTERIOR OFFICE N INTERIOR OFFICE Q INTERIOR OFFICE Q ROOF FAR S.W- ROOF S. CENTER INAL DUCT Q CADDER IS: MAL DUCT Q CADDER IS: MAL DUCT Q CADDER | le Location J WALL @L A WALL @ DECK N ENTER. | Group Date Sam Samplers Sign E0GE e: 11.13.17 | nature: | Laterial Descriptio | K EXT. - ERT T INSULATION | |

Page 1 of _____ pages

OrderID: 091721789



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

#091721789

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

| Sample # | HA # | Sample Location | Material Description |
|----------------|-----------|----------------------------|---------------------------------|
| -14.11 | 6 | ROOF HVAL PUCT S. CENTER | WHITE HVAC TAKE + MASTIC |
| -14.12 | | ROOF - MID S.W AIR HANDLER | J |
| -14.13 | 7 | ROOF @ LADDER | OLD/DARK GREY HVAC TAPE/MASTIC |
| - 14.14 | 7 | Ravi S. CENTER | |
| -14.15 | 7 | ROOF S.W @ HANDLER | Į į |
| -14.16 | B | ROOT C LADDER. | NEW/LIGHT GREY HVAC TAPE/MASTIC |
| -14.17 | 8 | ROOF S. CENTER | |
| 14.18 | 8 | Roor - S.W | J |
| -14.19 | 9 | Rout - FAR S.LO | GREY FLASHING MASTIC |
| -14.20 | 9 | Roor - CNW EQUIP. Room | |
| -14.21 | 9 | Rosi FAR S.E | Į į |
| -14.22 | 10 | FAR SW | WHITE FLASHING MASTIC/ CAUCK |
| -14.23 | 10 | | J |
| - 14.24 | 11 | N. ENTRANCE -BEIGE SLAB | Exi. Siucco |
| V - 14.25 | | " " - RED SLAB | J. |
| | | | |
| and the second | | | |
| Sec. 1 | | | |
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| a le le la | | | |
| *Commer | nts/Speci | al Instructions: | |

Page 2 of 2 pages

Controlled Document - Asbestos COC - R6 - 11/29/2012



Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

| Client SampleDescription | Collected Analyzed | RDL | Lead Concentration |
|---------------------------------------|---|---------|--------------------|
| 171111-14.26 091721787-0001 | 11/11/2017 11/13/2017 Site: ROOF S. CENTER-WOOD EQUIP TENT | 100 ppm | <100 ppm |
| 171111-14.27 091721787-0002 | 11/11/2017 11/13/2017 Site: WHITE DWS-INTERIOR OFFICE | 100 ppm | 1100 ppm |
| 171111-14.28 <i>091721787-0003</i> | 11/11/2017 11/13/2017 Site: BEIGE WOOD ROOF RANEL | 100 ppm | <100 ppm |
| 171111-14.29 091721787-0004 | 11/11/2017 11/13/2017 Site: GREEN WOOD ROOF TRIM | 100 ppm | <100 ppm |
| 171111-14.30 091721787-0005 | 11/11/2017 11/13/2017 Site: BEIGE STUCCO | 100 ppm | <100 ppm |

anh/h

Julian Neagu, Lead Laboratory Manager or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA A2LA Accredited Environmental Testing Cert #2845.09

Initial report from 11/13/2017 16:00:53