



**MENDOCINO COUNTY EXECUTIVE OFFICE-FACILITIES & FLEET DIVISION
REQUEST FOR BIDS (RFB)**

BID No.: 82-17
JOB/PROJECT DESCRIPTION: Little River Airport Abatement
ISSUE DATE: November 6, 2017
DUE DATE: November 21, 2017

PROJECT DESCRIPTION

Mendocino County is seeking bids from Asbestos Abatement contractors to complete Asbestos and Lead Abatement work and related demolition located at the Little River Airport, 43001 Little River Airport Road, Little River, CA 95456. Sealed bids will be accepted at the Executive Office - Facilities and Fleet Division at 851 Low Gap Road, Ukiah, until 2:00 p.m. on Tuesday November 21, 2017.

REQUIRED LICENSING

CSLB License Code:	ASB
License Description:	Asbestos
*CSLB License No.:	
*License Expiration Date:	
*State of California DIR Registration No.:	
+County of Mendocino Business License No.:	

+At the time of contract award, all contractors who are not exempt, and do not already have a Mendocino County Business License, shall apply for one which shall be obtained prior to contractor's work performance.

PAYMENT & PERFORMANCE BONDS

Payment and Performance Bonds are required for any Contracts in excess of \$25,000.

*The Cost of these Bonds is included in this Bid. ☐ Yes ☐ No

*The Contractor is bondable and will provide bonds upon notice of award. ☐ Yes ☐ No

AWARD OR REJECTION OF BIDS

The contract shall be awarded to the lowest responsive and responsible bidder complying with the instructions set forth on this RFB form, provided the bid is deemed reasonable and in the best interest of the County of Mendocino.

TIME OF COMPLETION

Bidder agrees to commence work on or before a date to be specified and to fully complete the project within two weeks (14) calendar days.

PROJECT WALK-THROUGH

<input type="checkbox"/> Mandatory	<input checked="" type="checkbox"/> Non-Mandatory
Walk-Through Location:	43001 Little River Airport Rd
Date and Time:	Tuesday November 14, 2017 – 1:00 PM

To schedule an alternate time to inspect the site, contact Facilities & Fleet as noted below.

SCOPE OF WORK

Provide all work to remove and properly dispose of lead and asbestos containing materials including all required Cal-OSHA precautions and procedures, and in accordance with the attached plans and Hazardous Materials Assessment instructions. Contractor is responsible for fulfilling the Mendocino County Air Quality Management District notification and permit requirements for the completion of the work.

Name of Bidder: _____

FOR MORE INFORMATION

For additional details and information, contact Doug Anderson, Facilities and Fleet Division, at (707) 234-6054; by e-mail at facilities@mendocinocounty.org or visit us online at <https://www.mendocinocounty.org/government/executive-office/open-rfp-quotes-bids>



**MENDOCINO COUNTY EXECUTIVE OFFICE-FACILITIES & FLEET DIVISION
REQUEST FOR BIDS (RFB)**

**BID No.: 82-17
LITTLE RIVER AIRPORT ASBESTOS ABATEMENT**

Documents included:

This RFB	4 pages
Plans and Specifications	3 pages
Pre-renovation Hazardous Materials Assessment	30 pages including test results

BID

*Total Bid Price: _____ (\$ _____)

ADDENDUM ACKNOWLEDGMENT

*I have received the following addendum pertaining to the bid and they are included as part of my bid.

Addendum Numbers: _____

***FIELDS MUST BE COMPLETED BY CONTRACTOR**

THIS FORM MUST BE COMPLETED, SIGNED AND DATED FOR YOUR BID TO BE VALID

Print Name:	
Address:	
Company:	
E-Mail:	
Phone:	

SIGNATURE: _____

DATE: _____

ATTACHMENT A

GENERAL PROVISIONS

1. CONTRACT DOCUMENTS

The contract documents shall consist of the County's standard form contract as well as this Request for Bids, all documents listed in the above SCOPE of WORK section, all addenda issued prior to bid and information provided at any mandatory pre-bid walkthrough. As a public project, applicable provisions of the California Public Contract code shall apply, as does the California State Labor Code, the federal Davis Bacon Act and the Americans with Disabilities Act of 1990. Regardless of any information presented to the contrary, all work shall comply with the California Building Code, Mendocino County Building Code, Title 24 and any referenced code standards required in the jurisdiction where the work shall take place. A copy of the County's standard form contract will be furnished to bidders upon request.

2. BIDDING REQUIREMENTS

To be considered for award, the bid form must be completed in its entirety. Successful responses must include the contractor's license number and expiration date, valid DIR registration number, the bid price in words and numbers, acknowledgement of all addenda issued by the County for this project, the bidders signature, the date signed, the bidder's printed name, and the company name and address under which the contractor's license is issued. Any missing information or invalid license or registration information will be grounds for disqualification. All correspondence will be by US mail unless the contractor provides the email or phone information requested. The County of Mendocino reserves the right to reject any and all bids, to waive any informality in the bids, and to accept the responsive and responsible bid that appears to be in the best interest of the County of Mendocino.

3. SUBMISSION OF BIDS

Bids must be received by the due date and time at the location specified above. Post marks do not count. Bids and modifications or corrections

thereof received after the closing time specified above will not be considered. Quotations will not be accepted via email, telephone or facsimile unless specifically authorized within the contract documents.

4. PRODUCTS

Unless otherwise stated, the use of the name or a manufacturer, or of any special brand or make in describing any item contained in these plans and specifications does not restrict bidders to that manufacturer's specific article with the exception of carpet, tile, and paint (the County must adhere to a specific brand/style of carpet, tile, and paint which will be specified within the Scope of Work). The manufacturer, brand and products named are used simply to indicate the character or quality of the article desired. The equipment on which proposals are submitted must be acceptable as equal in character, quality, and utility to brand and/or make indicated herein. The selected contractor will be required to comply with all submittal requirements in the contract documents where it will be the contractor's burden to demonstrate that the submitted product is equal to that specified. The decision of the County will be final.

5. TAXES and FEES

All bids shall include required California State sales tax, freight and shipping costs to the project site, and all licensing, registration, permits and application fees required to complete the work. The County will secure planning and building approvals and is exempt from building permit fees. Encroachment permits and public works inspections and fees are the responsibility of the contractor.

All contractors must have a Mendocino County Business License (MCBL), as required by Mendocino County Code Chapter 6.04, to work on this contract. At the time of contract award, all contractors who are not exempt and do not already have a MCBL shall apply for one, which shall be obtained prior to performance of any work by that contractor.

The contractor/bidder is responsible for ensuring that all of its non-exempt subcontractors have a valid MCBL.

6. SAMPLES

Samples of items, when required, must be furnished free of expense to the County of Mendocino and if not destroyed by tests will, upon request, be returned at the bidder's expense. Samples of selected items may be retained for comparison.

7. ADDENDA/RFI

Addenda will be issued by the County, as required, to clarify the bidding documents and in response to bidder's questions. Addenda questions must be submitted at least 10 days prior to bid opening to be included in the addendum. Requests for Information may be forwarded to the County to provide written notice of discrepancies in the contract documents or conditions differing from those represented in the documents or observable at the time of bid.

8. CHANGES

The contractor shall secure written authorization before proceeding with any additional work, whether requested by the County or required to complete the contract. The cost for any changes to the contract price, whether requested by the County or the Contractor will be approved only after submitting the contractor's true costs for the work and related equipment costs and site expenses. The final change order price may include a fee for administrative overhead and profit not to exceed 15%.



MENDOCINO COUNTY

PROJECT PLANS & SPECIFICATIONS

Little River Airport Terminal Lead and Asbestos Abatement Project RFB 82-17

Project Address:
43001 Little River Airport Road
Little River, CA95456

Contact: Doug Anderson
Facilities & Fleet Division
andersond@mendocinocounty.org
707-234-6054

Scope of Work:

Provide all labor, materials, documentation, transportation, supervision and equipment to provide all required containment and proper handling to completely remove, abate, and dispose of all hazardous materials identified at the Little River Airport Terminal, located at 43001 Little River Airport Road in Little River, CA 95482. Remove and properly dispose of all non-hazardous construction debris and materials required for abatement work off-site. Remove and stockpile any materials and equipment scheduled for re-installation. Remove any exposed insulation from all rooms. The contractor is responsible for passing an air sampling/ clearance inspection by a third party industrial hygienist (provided by the County).

The Terminal Building is approximately 20' by 30' by 10' high and the restrooms are approximately 8' by 15' by 8' high.

The contractor is responsible for coordination of work with the Construction Contractor and Department of Transportation staff. Work shall be in compliance with all applicable codes Cal-OSHA regulations, Mendocino County Air Quality Management District requirements and industry standards.

Where existing is not within specification, out of code compliance, or if additional hazardous materials are found notify the County before proceeding. Refer to the Pre-renovation Hazardous Materials Assessment Project No. 3084.2001 by Millennium Consulting Associates, dated October 10, 2017 for further information.

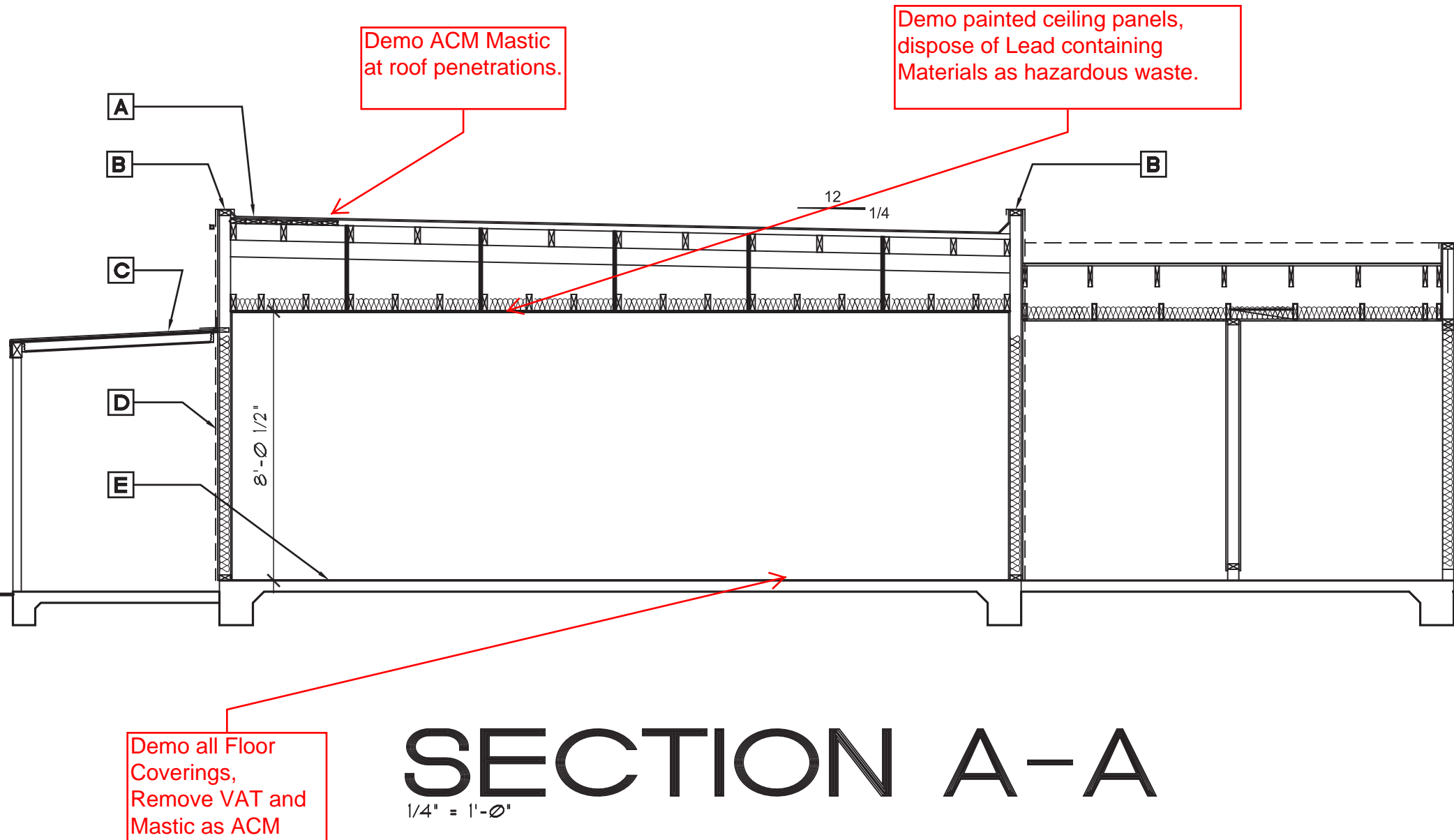
Site Investigation:

All bidders are recommended to attend the pre-bid site inspection at the project location: 43001 Little River Airport Road, Little River, CA 95456
Tuesday, November 14th, 2017 at 1:00 p.m.

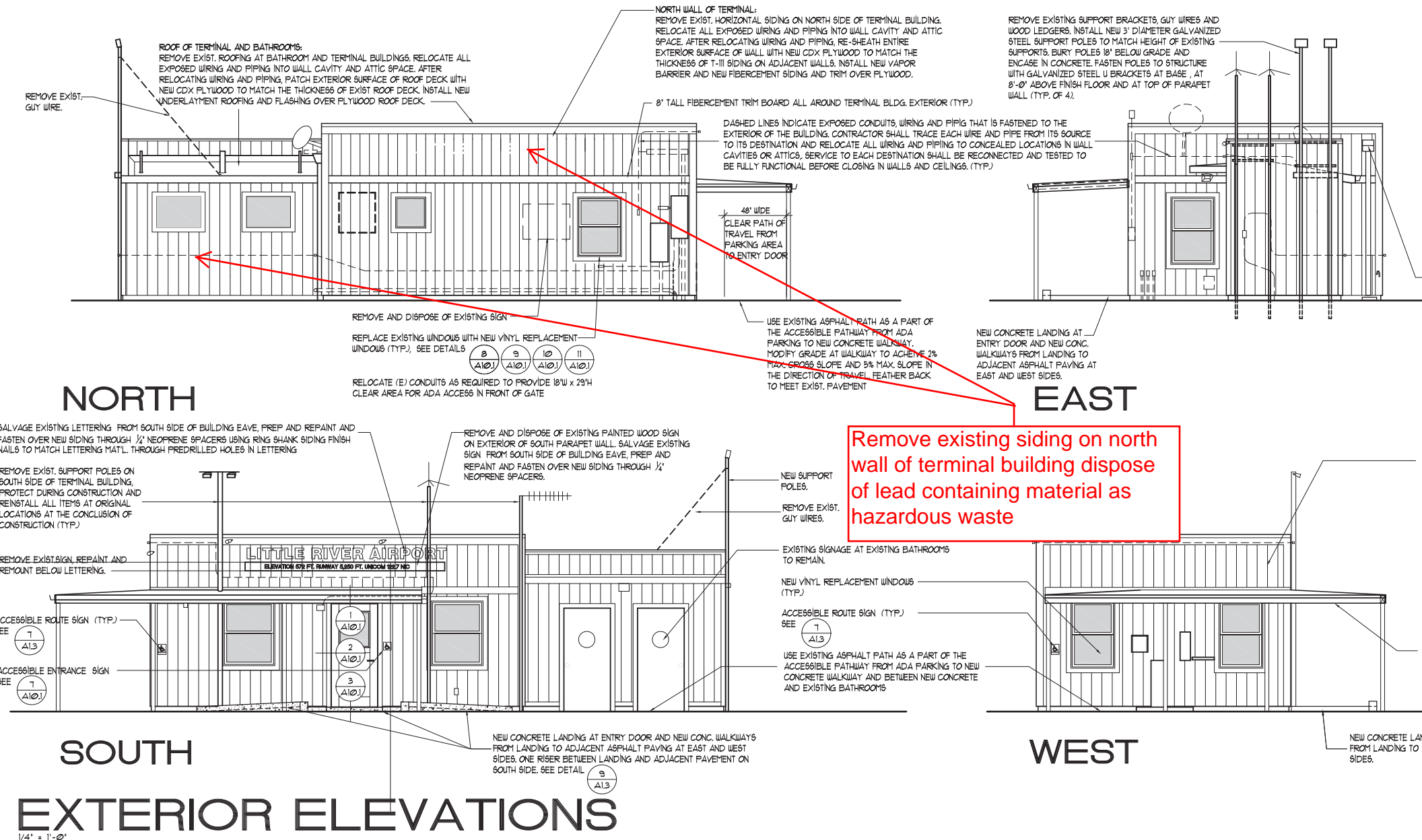
General Notes:

1. The contractor is responsible to verify all conditions at the site, and by submitting a bid confirms that he is fully aware of the nature and location of the work and fully informed of any conditions affecting the cost and execution of the work. All inconsistencies shall be brought to the county's attention before proceeding with any work.
2. By submitting a bid, the contractor fully understands the scope of the work and has carefully checked and entered his bid price and takes full responsibility for the bid submitted.
3. These plans are intended to represent a complete project. All supervision, equipment, transportation, temporary facilities clean-up, project and site management needed to complete the work shown shall be included.
4. All work shall comply with the current version of the California Building Codes in force at the time the work begins. Report all non-conforming existing conditions to the County.

Little River Airport Abatement Plan



Little River Airport Abatement Plans



PRE-RENOVATION HAZARDOUS MATERIALS ASSESSMENT
FOR
ASBESTOS AND LEAD CONTAINING MATERIALS

**County of Mendocino
Little River Airport – Pilots Lounge
43001 Little River-Airport Road,
Little River, CA 95456**

Prepared for:

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

Prepared by:

MILLENNIUM CONSULTING ASSOCIATES

October 10, 2017

Project No. 3084.2001

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 – Little River Airport - Pilots Lounge Renovation 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 Kaiser Permanente Foundation.

Sincerely,

Millennium Consulting Associates
A **MECA** Consulting Inc. Company



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

Reviewed by:



Jeremy Malson
Vice President Industrial Hygiene and Building Sciences
CAC # 07-4183

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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 eight (8) 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):

- Brown Resilient Floor Tiles (underneath carpet)
- Black Floor Tile Mastic
- Black Roof Penetration Mastic

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

- Brown painted metal porch supports
- Off-white/Beige painted wood exterior wall siding
- White painted interior walls
- Light blue painted ceiling

1.0 INTRODUCTION

Millennium Consulting Associates was requested by the County of Mendocino to perform a hazardous materials assessment of the Little River Airport Pilots Lounge at 43001 Little River-Airport Road, Little River, CA 95456. 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 Little River Airport Pilots Lounge serves as the operating office and customer lounge. The building is a single-story structure on a concrete foundation, wood exterior walls, built up roofing and insulated roofing on a wood deck. Observed interior finishes in the subject areas include: tack and board carpeting, resilient floor tiles (RFT), sheet flooring, painted drywall walls, and a painted wood ceiling 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.

- Terminal Building Remodel – Little River Airport Architectural Drawings – September 12, 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 textured drywall systems, painted wood ceiling systems, tack and board carpeting over resilient floor tiles (RFT), and a sheet flooring system. After speaking with Mr. Anderson, the scope of interior disturbance includes flooring systems, ceiling systems and as-needed to install a new partition wall along the existing wall systems.

Exterior finishes observed include painted wood wall siding, painted wood trim and window frames, unpainted concrete, penetration mastics, penetration caulking, nail-on flashing (no mastic identified) a built-up roof system, and foam insulated roof and parapet system on wood decking.

Millennium's field observations noted the following:

SUSPECT MATERIAL:

- | | |
|------------------------------|--------------------------------|
| a. Brown RFT | f. Penetration Mastic |
| b. Sheet Flooring w/ Backing | g. Penetration Caulking |
| c. Drywall System | h. Built up Roof System |
| d. Drywall Texture | i. Foam Insulated Parapet Roof |
| e. Concrete Step | j. Foam Insulated Roofing |

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 asbestos-containing 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 OVERVIEW

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.

Eight (8) 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 Painted Drywall | e. Brown Exterior Wood Trim/Window |
| b. Light Blue Painted Wood Ceiling | Frames |
| c. Off-White/Beige Wood Exterior Siding | f. Beige Wood Door |
| d. Brown Painted Metal Supports | |

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

- a. White Painted Drywall
- b. Light Blue Painted Wood Ceiling
- c. Off-White/Beige Wood Exterior Siding
- d. Brown Painted Metal Supports

5.0 SURVY FINDINGS

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

- Brown Resilient Floor Tiles (underneath carpet)
- Black Floor Tile Mastic
- Black Roof Penetration Mastic

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

- Brown painted metal porch supports
- Off-white/Beige painted wood exterior wall siding
- White painted interior walls
- Light blue painted ceiling

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 Drywall System | • White Penetration Caulking |
| • White Drywall Texture | • Foam Insulated Parapet |
| • Sheet Flooring w/ Backing | • Foam Insulated Roofing |
| • Exterior Concrete Step | • Black Built-up Roof System |
| • Grey Penetration Caulking | |

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 Bay Area Air Quality Management District regulations prior to disturbance in areas included in the scope of work:

- Brown Resilient Floor Tiles (underneath carpet)
- Black Floor Tile Mastic
- Black Roof Penetration Mastic

Lead Regulatory Overview

In California, the Department of Occupational Safety and Health is charged with implementing and enforcing Lead in Construction rules. Title 8 of the CCR Section 1532.1 requires employers to provide sufficient worker protection when any detectable concentration of lead is present.

A copy of the Lead in Construction Standard can be found at:

https://www.dir.ca.gov/title8/1532_1.html

This standard applies to all sources of lead, including lead in painted surfaces. Lead-containing paint, defined as any detectable concentration of lead, does not necessarily require special handling, mitigation or disposal. Factors that determine the appropriate mitigation strategy include the concentration of lead, the condition of the lead-containing material and the proposed contractor work methods. Generally, building components that include lead-containing painted materials, which are intact and that will not undergo any activities that cause lead-containing dust and/or debris to be generated, will not require special handling and disposal. However, employers are still required to provide sufficient worker protection to reduce exposure when any detectable concentration of lead is present. Compliance can be achieved with proper engineering controls and work practices including but not limited to: dust shrouds, wet methods, housekeeping or any protocols identified in 1532.1 (e) & (h).

Based on the analytical data and intended project scope, the following materials identified as LCP but not anticipated for demolition nor generate lead-containing dust and/or debris include:

- White painted interior walls
- Brown painted metal porch supports

Additionally, employers are required to demonstrate that employee exposure is consistently below the 8-hour Permissible Exposure Limit (PEL) of 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) by completing a Negative Exposure Assessment (NEA) prior to demolition activities. The action level for demolition is established at 30 $\mu\text{g}/\text{m}^3$ for airborne lead. Airborne lead concentrations exceeding the Cal OSHA PEL triggers such requirements as exposure monitoring, containments for lead-related tasks, training

and certification, respiratory protection, and medical surveillance during construction activities in the vicinity of LCP as identified in CCR 8 1532.1 (c-i)

Current California and Federal regulations CCR Title 26 Division 22 Hazardous Waste mandate that generators determine if a waste is hazardous or non-hazardous by testing representative samples of the waste. The total lead by Total Threshold Limit Concentration (TTLC), California WET-method Soluble Threshold Limit Concentration (STLC), and Toxicity Characteristic Leaching Procedure (TCLP) analyses should be performed to characterize each waste stream as Federal RCRA hazardous waste, California hazardous waste, non-hazardous waste, or as construction debris. The waste stream must be handled as RCRA environmentally hazardous waste if TCLP lead levels exceed 5.0 milligrams per liter (mg/l), or as California hazardous waste if TTLC lead exceeds 1,000 milligrams per kilogram (mg/kg), and/or STLC lead exceeds 5.0 mg/l, respectively. By calculation, if a sample analyzed for lead by TTLC is found to contain less than 50 mg/kg, then the waste stream represented by the sample result is non-hazardous by definition (a completely soluble waste at this concentration would produce a TCLP lead concentration of less than 5.0 mg/l). Similarly, total lead less than 50 mg/kg will produce an STLC lead concentration of less than 5.0 mg/l.

Based on the analytical results and intended project scope, the following materials identified as LCP anticipated for demolition and/or generate lead-containing dust shall be handled in accordance with CCR Title 8 Section 1532.1 Lead in Construction Standard and disposed of in accordance with CCR Title 26 Division 22 Hazardous Waste.

- Off-white/Beige painted wood exterior wall siding
- Light blue painted ceiling

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 Samples County of Mendocino 3084.2001 - Little River Airport								
Sample No.	Material	Sample Location	Color	Asbestos Content / Type	Point Count Result	EPA Category	Cal/OSHA Class	Comment
Ground Level								
171003-14.01	Drywall	North Center	White	None Detected		-	-	-
171003-14.01	Texture	North Center	White	None Detected	-	-	-	-
171003-14.02	Drywall	Northwest	White	None Detected	-	-	-	-
171003-14.02	Texture	Northwest	White	None Detected	-	-	-	-
171003-14.03	Drywall	Southwest	White	None Detected	-	-	-	-
171003-14.03	Texture	Southwest	White	None Detected	-	-	-	-
171003-14.04	Drywall	South Center	White	None Detected	-	-	-	-
171003-14.04	Texture	South Center	White	None Detected	-	-	-	-
171003-14.05	Texture	North Center	White	None Detected	-	-	-	-
171003-14.06	Texture	Far East	White	None Detected	-	-	-	-
171003-14.07	Floor Tile	Southeast (under carpet)	Brown	4% Chrysotile	-	Category I - Nonfriable	Class II	-
171003-14.07	Mastic	Southeast (under carpet)	Black	3% Chrysotile	-	Category I - Nonfriable	Class II	-
171003-14.08	Floor Tile	Southeast (under carpet)	Brown	4% Chrysotile	-	Category I - Nonfriable	Class II	-
171003-14.08	Mastic	Southeast (under carpet)	Black	2% Chrysotile	-	Category I - Nonfriable	Class II	-
171003-14.09	Sheet Flooring	Entry - Southeast	Grey	None Detected	-	-	-	-
171003-14.09	Backing	Entry - Southeast	Grey	None Detected	-	-	-	-
171003-14.10	Sheet Flooring	Entry - Northwest	Grey	None Detected	-	-	-	-
171003-14.10	Backing	Entry - Northwest	Grey	None Detected	-	-	-	-
171003-14.11	Exterior Concrete	Entry Step - Southeast	Grey	None Detected	-	-	-	-
171003-14.12	Exterior Concrete	Entry Step - Southwest	Grey	None Detected	-	-	-	-
Roof								
171008-14.01	Parapet Roof	Main Roof - Southwest	Grey/Yellow	None Detected	-	-	-	-
171008-14.02	Parapet Roof	Main Roof - Northeast	Grey/Black	None Detected	-	-	-	-
171014-14.03	Roof Field	Main Roof - North Center	Black	None Detected	-	-	-	-
171014-14.04	Roof Field	Main Roof - Southeast	Grey/Yellow	None Detected	-	-	-	-
171014-14.05	Built-up Roof (Roofing)	Lower Roof - West	Black	None Detected	-	-	-	-

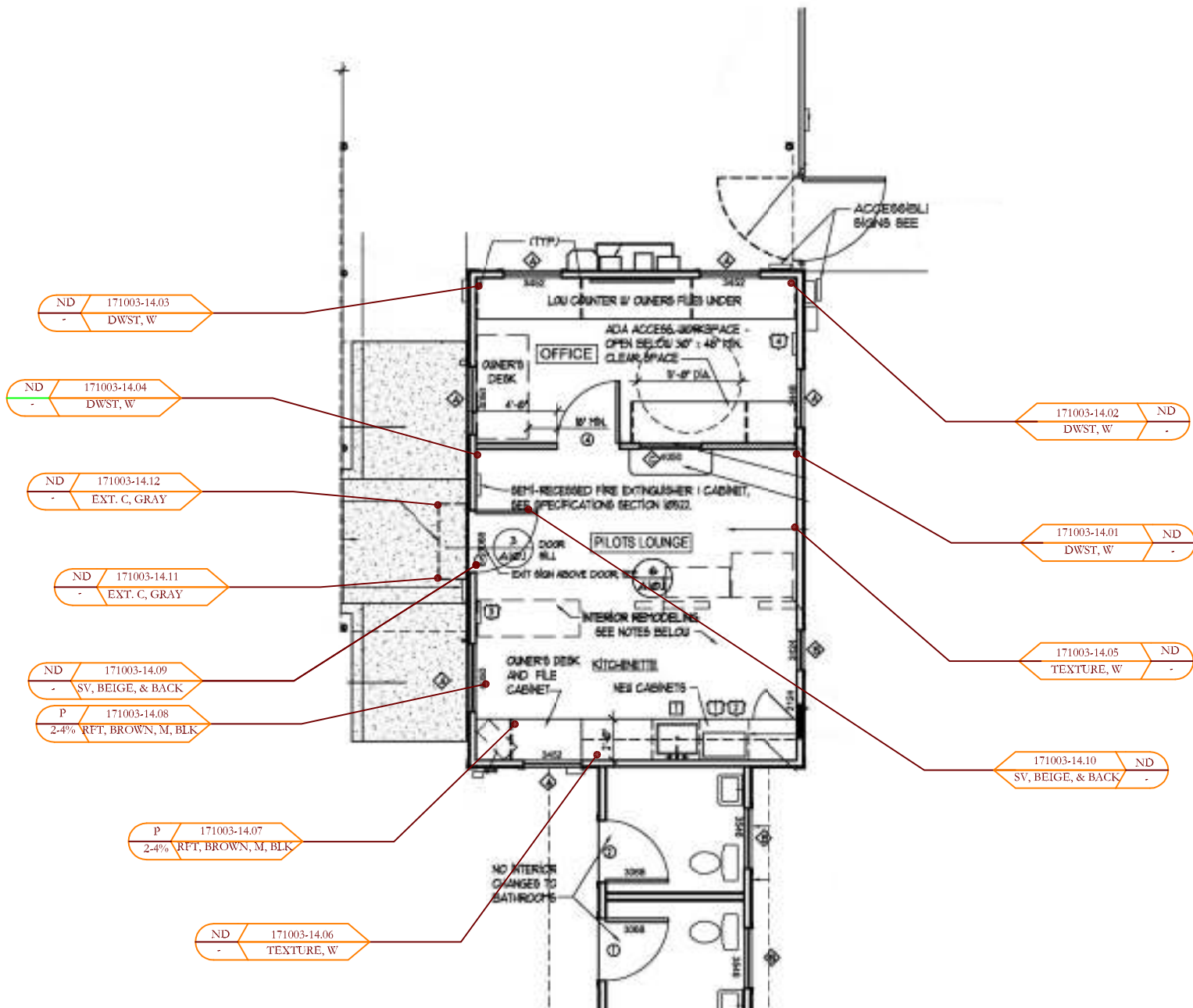
Table 1 - Detailed Listing of ACM and non-ACM Samples County of Mendocino 3084.2001 - Little River Airport								
Sample No.	Material	Sample Location	Color	Asbestos Content / Type	Point Count Result	EPA Category	Cal/OSHA Class	Comment
171014-14.05	Built-up Roof (Felt)	Lower Roof - West	Black	None Detected				
171014-14.06	Built-up Roof	Lower Roof - East	Black	None Detected	-	-	-	-
171014-14.07	Penetration Mastic	Main Roof - Northwest	Black	4% Chrysotile	-	Category I - Nonfriable	Class II	-
171014-14.08	Penetration Mastic	Main Roof - Far East	Black	4% Chrysotile	-	Category I - Nonfriable	Class II	-
171014-14.09	Penetration Caulking	Main Roof - North	Grey	None Detected	-	-	-	-
171014-14.10	Penetration Caulking	Main Roof - Northeast	Grey	None Detected	-	-	-	-
171014-14.11	Penetratoin Caulking	Main Roof - Far West (On Parapet)	White	None Detected	-	-	-	-
171014-14.12	Penetration Caulking	Lower Roof - Northeast	White	None Detected	-	-	-	-
171014-14.13	Penetration Caulking	Main Roof - North Center	Grey	None Detected	-	-	-	-

Table 2 - Detailed Listing of Lead Paint Survey
County of Mendocino
3084.2001 - Little River Airport

Sample No.	Material Description / Substrate	Location	Substrate Description	Condition	Lead Concentration (ppm)
171003-14.13	Brown Painted Door Frame	Entry Door Frame	Wood	Intact	<100
171003-14.14	Brown Painted Supports	Oning Support	Metal	Fair	120 ppm
171003-14.15	Beige Painted Door	Entry Door	Wood	Fair	<100 ppm
171003-14.16	Brown Painted Trim	Exterior Trim/Window Frame	Wood	Intact	<100 ppm
171003-14.17	Off-White/Beige Painted Wall	Exterior Siding	Wood	Fair	<100 ppm
171003-14.18	Off-White/Beige Painted Wall	Exterior Siding	Wood	Poor	1900 ppm
171003-14.19	White Painted Wall	Interior Wall	Drywall	Intact	200 ppm
171003-14.20	Light Blue Painted Ceiling	Interior Ceiling	Wood	Intact	180 ppm

APPENDIX A

SITE MAP AND SAMPLING LOCATIONS



LEGEND

SAMPLE IDENTIFICATION

MATERIAL DESCRIPTION

SAMPLE RESULT

CONCENTRATION

GROUND LEVEL INTERIOR/
EXTERIORS

COUNTY OF MENDOCINO

MILLENNIUM CONSULTING ASSOCIATES
OAKLAND, CA

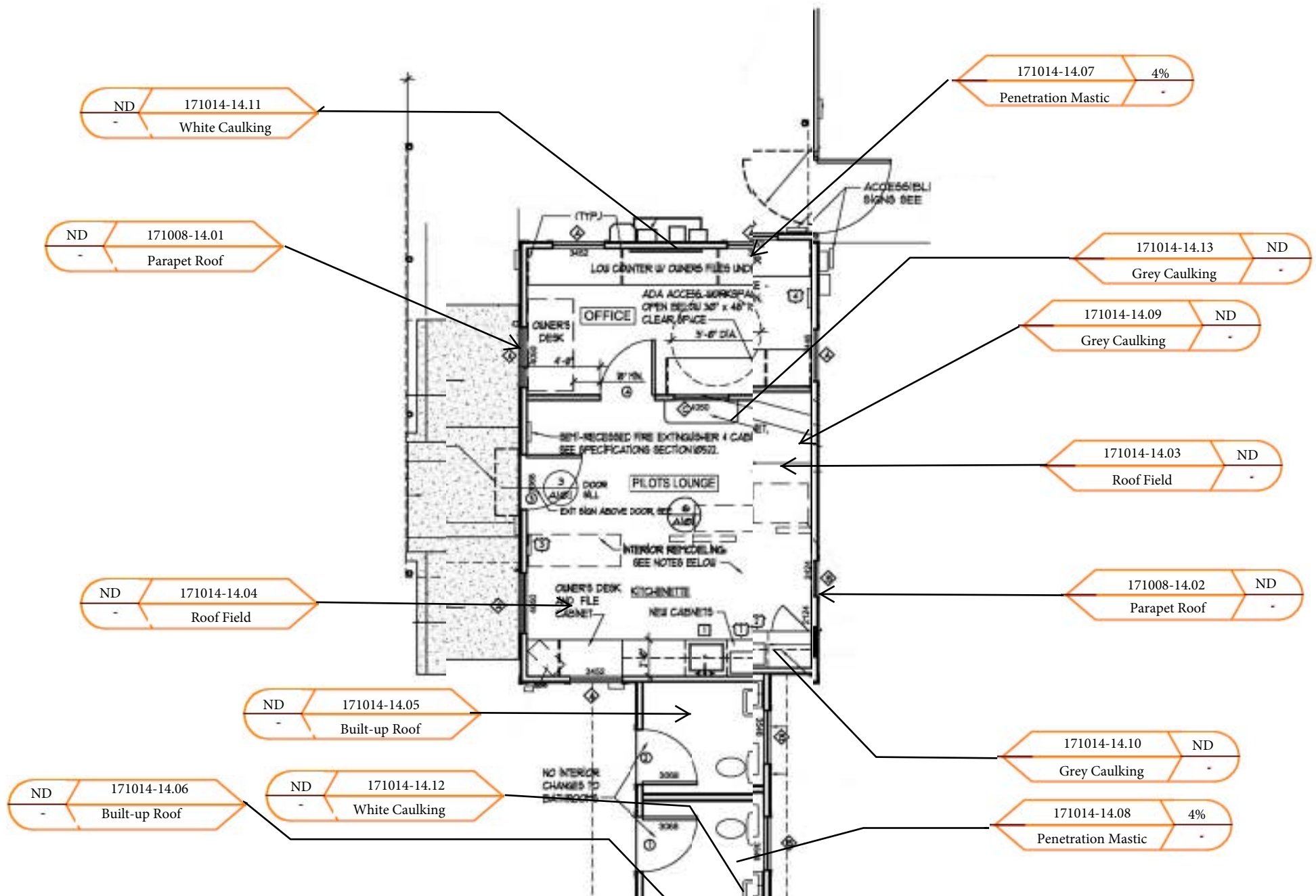
SCALE: N.T.S. FOR
DATE:
DRWN: BG
CHECKED: JV
APPROVED:

LITTLE RIVER AIRPORT - PILOTS LOUNGE

TITLE
SAMPLE LOCATION PLAN

JOB NO. 3084.2001

DWG. NO. FIGURE-1



LEGEND		ROOFING SAMPLES		COUNTY OF MENDOCINO		
SAMPLE IDENTIFICATION				MILLENNIUM CONSULTING ASSOCIATES OAKLAND, CA		
MATERIAL DESCRIPTION				SCALE: N.T.S.	FOR	LITTLE RIVER AIRPORT
				DATE:		
				DRAWN: BG	TITLE	SAMPLE LOCATION PLAN
				CHECKED: JV		
				APPROVED:	JOB NO.	3084.2001
					DWG. NO.	FIGURE-2

APPENDIX B

BULK SAMPLE ANALYTICAL LABORATORY REPORTS (ASBESTOS & LEAD)

**EMSL Analytical, Inc**

464 McCormick Street, San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com>sanleandrolab@emsl.com

EMSL Order: 091719158

CustomerID: MECA62

CustomerPO: 12811

ProjectID:

Attn: **Jairus Vasquez**
Millennium Consulting Associates, Inc.
401 Roland Way
Suite 250
Oakland, CA 94621

Phone: (925) 808-6700
Fax: (925) 808-6708
Received: 10/04/17 9:30 AM
Collected: 10/3/2017

Project: **3024.2001-LITTLE RIVER AIRPORT. 12811****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client SampleDescription</i>	<i>Collected</i>	<i>Analyzed</i>	<i>RDL</i>	<i>Lead Concentration</i>
171003-14.13 091719158-0001	10/3/2017	10/4/2017 Site: BROWN PAINT-WOOD DOORFRAME	100 ppm	<100 ppm
171003-14.14 091719158-0002	10/3/2017	10/4/2017 Site: BROWN PAINT-METAL SUPPORTS	100 ppm	120 ppm
171003-14.15 091719158-0003	10/3/2017	10/4/2017 Site: BEIGE WOOD DOOR	100 ppm	<100 ppm
171003-14.16 091719158-0004	10/3/2017	10/4/2017 Site: BROWN EXTERIOR TRIM	100 ppm	<100 ppm
171003-14.17 091719158-0005	10/3/2017	10/4/2017 Site: OFF-WHITE/BEIGE EXT. WALL SIDING-SE	100 ppm	<100 ppm
171003-14.18 091719158-0006	10/3/2017	10/4/2017 Site: OFF-WHITE/BEIGE EXT SIDING-W.	100 ppm	1900 ppm
171003-14.19 091719158-0007	10/3/2017	10/4/2017 Site: WHITE INTERIOR WALL PAINT	100 ppm	200 ppm
171003-14.20 091719158-0008	10/3/2017	10/4/2017 Site: LT. BLUE CEILING PAINT	100 ppm	180 ppm

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 10/04/2017 16:31:34

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

091719158

 EMSL ANALYTICAL, INC.
 464 MCCORMICK ST
 SAN LEANDRO, CA 94577
 PHONE: (510) 895-3675
 FAX: (510) 895-3680

Company: <u>MILLENNIUM</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note Instructions in Comments**	
Street:		Third Party Billing requires written authorization from third party	
City:	State/Province:	Zip/Postal Code:	Country:
Report To (Name): <u>JAIROS VASQUEZ</u>		Telephone #:	
Email Address: <u>JFEINER@MEGAENVIRO.COM</u>		Fax #:	Purchase Order: <u>12811</u>
Project Name/Number: <u>3024-2001 - LITTLE RIVER AIRPORT</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: <u>8</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/>	SW846-7000B	Flame Atomic Absorption	10 µg/wipe
*If no box checked, non-ASTM Wipe assumed	SW846-6010B or C	ICP-OES	1.0 µg/wipe
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)
Wastewater Unpreserved <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)
Drinking Water Unpreserved <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter
Other:			
Name of Sampler: <u>JAIROS VASQUEZ</u>		Signature of Sampler: <u>[Signature]</u>	
Sample #	Location	Volume/Area	Date/Time Sampled
<u>171003-14.13</u>	<u>BROWN PAINT - WOOD DOORFRAME</u>	<u>—</u>	<u>10-3-17</u>
<u>↓ - 14.14</u>	<u>BROWN PAINT - METAL SUPPORTS</u>	<u>—</u>	<u>↓</u>
Client Sample #s		Total # of Samples:	
Relinquished (Client): <u>[Signature]</u>	Date: <u>10-4-17</u>	Time: <u>09:15</u>	
Received (Lab): <u>[Signature]</u>	Date: <u>10-4-17</u>	Time: <u>9:30 AM</u>	
Comments: <u>WT</u>			

091719158

Page 2 Of 2



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: 091719185

Customer ID: MECA62

Customer PO: 12810

Project ID:

Attention: Jairus Vasquez

Millennium Consulting Associates, Inc.

401 Roland Way

Suite 250

Oakland, CA 94621

Project: 12810 - 3084.2001 - Little River Airport

Phone: (925) 808-6700

Fax: (925) 808-6708

Received Date: 10/04/2017 9:30 AM

Analysis Date: 10/04/2017

Collected Date: 10/03/2017

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
171003-14.01-Drywall <small>091719185-0001</small>	DWS + Texture - N. Center	White Non-Fibrous Homogeneous	6% Cellulose	80% Gypsum 14% Non-fibrous (Other)	None Detected
171003-14.01-Texture <small>091719185-0001A</small>	DWS + Texture - N. Center	White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
171003-14.02-Drywall <small>091719185-0002</small>	DWS + Texture - N.W.	White Non-Fibrous Homogeneous	6% Cellulose	80% Gypsum 14% Non-fibrous (Other)	None Detected
171003-14.02-Texture <small>091719185-0002A</small>	DWS + Texture - N.W.	White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
171003-14.03-Drywall <small>091719185-0003</small>	DWS + Texture - S.W.	White Non-Fibrous Homogeneous	6% Cellulose	80% Gypsum 14% Non-fibrous (Other)	None Detected
171003-14.03-Texture <small>091719185-0003A</small>	DWS + Texture - S.W.	White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
171003-14.04-Drywall <small>091719185-0004</small>	DWS + Texture - S. Center	White Non-Fibrous Homogeneous	6% Cellulose	80% Gypsum 14% Non-fibrous (Other)	None Detected
171003-14.04-Texture <small>091719185-0004A</small>	DWS + Texture - S. Center	White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
171003-14.05 <small>091719185-0005</small>	Texture - N. Center	White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
171003-14.06 <small>091719185-0006</small>	Texture - Far East	White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
171003-14.07-RFT <small>091719185-0007</small>	Brown RFT + Mastic (Under Carpet) - SE	Brown Non-Fibrous Homogeneous		65% Ca Carbonate 31% Non-fibrous (Other)	4% Chrysotile
171003-14.07-Mastic <small>091719185-0007A</small>	Brown RFT + Mastic (Under Carpet) - SE	Black Non-Fibrous Homogeneous		80% Matrix 17% Non-fibrous (Other)	3% Chrysotile
171003-14.08-RFT <small>091719185-0008</small>	Brown RFT + Black Mastic (Under Carpet) - SE	Brown Non-Fibrous Homogeneous		60% Ca Carbonate 36% Non-fibrous (Other)	4% Chrysotile
171003-14.08-Mastic <small>091719185-0008A</small>	Brown RFT + Black Mastic (Under Carpet) - SE	Black Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile

Initial report from: 10/04/2017 15:02:34



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: 091719185

Customer ID: MECA62

Customer PO: 12810

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
171003-14.09-Sheet Vinyl	Beige SV + Backing - SE of Entry	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
091719185-0009					
171003-14.09-Backing	Beige SV + Backing - SE of Entry	Gray Fibrous Homogeneous	2% Cellulose 15% Synthetic	45% Matrix 38% Non-fibrous (Other)	None Detected
091719185-0009A					
171003-14.10-Sheet Vinyl	Beige SV + Backing - NW of Entry	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
091719185-0010					
171003-14.10-Backing	Beige SV + Backing - NW of Entry	Gray Fibrous Homogeneous	5% Cellulose 15% Synthetic	45% Matrix 35% Non-fibrous (Other)	None Detected
091719185-0010A					
171003-14.11	Exterior Concrete Step - SE	Gray Non-Fibrous Homogeneous		35% Quartz 20% Ca Carbonate 25% Gypsum 20% Non-fibrous (Other)	None Detected
091719185-0011					
171003-14.12	Exterior Concrete Step - SW	Gray Non-Fibrous Homogeneous		45% Quartz 15% Ca Carbonate 25% Gypsum 15% Non-fibrous (Other)	None Detected
091719185-0012					

Analyst(s)

Cecilia Yu (20)

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: 10/04/2017 15:02:34

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

#091719185

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

Company Name: Millennium Consulting Associates		EMSL Customer ID:	
Street: 401 Roland Way, Suite 250		City: Oakland	State/Province: CA
Zip/Postal Code: 94621	Country:	Telephone #: 925/808-6700	Fax #: 925/808-6708
Report To (Name): JAIRUS VASQUEZ		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: jfeiner@mecaenviro.com		Purchase Order: 12810	
Project Name/Number: 3084.2001 - LITTLE RIVER AIRPORT		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: 12		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments**			
Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite* <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique *Can not accept New York State Loose Fill Vermiculite Samples Other: <input type="checkbox"/>			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: JAIRUS VASQUEZ		Samplers Signature: <i>[Signature]</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
171003-14.01	DWS + TEXTURE - N CENTER	1 / 2	10.3.17
171003-14.02	- N.W	1 / 2	
-14.03	- S.W	1 / 2	
-14.04	- S CENTER	1 / 2	
-14.05	TEXTURE - N CENTER	2	
-14.06	TEXTURE - FAR EAST	2	
-14.07	BROWN RFT (UNDER CARPET) - SE	3 / 4	
Client Sample # (s): + MASTIC -		Total # of Samples: 12	
Relinquished (Client): <i>[Signature]</i>		Date: 10-3-17	Time: 09:00
Received (Lab): <i>[Signature]</i>		Date: 10-4-17	Time: 9:30AM
Comments/Special Instructions: WT			

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

#091719185

PHONE:

FAX:

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

[illegible]

***Comments/Special Instructions:**



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: 091719966

Customer ID: MECA62

Customer PO: 12868

Project ID:

Attention: Jairus Vasquez
Millennium Consulting Associates, Inc.
401 Roland Way
Suite 250
Oakland, CA 94621

Project: 12868 - 3084.2001 - Little River

Phone: (925) 808-6700

Fax: (925) 808-6708

Received Date: 10/16/2017 11:30 AM

Analysis Date: 10/16/2017

Collected Date: 10/08/2017 - 10/14/2017

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
171008-14.01 <small>091719966-0001</small>	Parapet Roof - SW	Gray/Yellow Non-Fibrous Homogeneous		65% Matrix 35% Non-fibrous (Other)	None Detected
171008-14.02 <small>091719966-0002</small>	Parapet Roof - NE	Black Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
171014-14.03 <small>091719966-0003</small>	Roof Field - North Center	Black Fibrous Homogeneous	10% Glass	60% Matrix 30% Non-fibrous (Other)	None Detected
171014-14.04 <small>091719966-0004</small>	Roof Field - SE	Gray/Yellow Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
171014-14.05-Roofing <small>091719966-0005</small>	Lower Built Up Roof - W	Black Fibrous Homogeneous	10% Glass	10% Quartz 65% Matrix 15% Non-fibrous (Other)	None Detected
171014-14.05-Felt <small>091719966-0005A</small>	Lower Built Up Roof - W	Black Fibrous Homogeneous	15% Glass	60% Matrix 25% Non-fibrous (Other)	None Detected
171014-14.06 <small>091719966-0006</small>	Lower Built Up Roof - E	Black Fibrous Homogeneous	10% Glass	10% Quartz 60% Matrix 20% Non-fibrous (Other)	None Detected
171014-14.07 <small>091719966-0007</small>	Black Penetration Mastic - NW	Black Non-Fibrous Homogeneous		65% Matrix 31% Non-fibrous (Other)	4% Chrysotile
171014-14.08 <small>091719966-0008</small>	Black Penetration Mastic - Far East	Black Non-Fibrous Homogeneous		60% Matrix 36% Non-fibrous (Other)	4% Chrysotile
171014-14.09 <small>091719966-0009</small>	Grey Caulking - North	Gray Non-Fibrous Homogeneous		50% Ca Carbonate 30% Matrix 20% Non-fibrous (Other)	None Detected
171014-14.10 <small>091719966-0010</small>	Grey Caulking - Northeast	Gray Non-Fibrous Homogeneous		50% Ca Carbonate 25% Matrix 25% Non-fibrous (Other)	None Detected
171014-14.11 <small>091719966-0011</small>	White Caulking - Far W Parapet	White Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
171014-14.12 <small>091719966-0012</small>	White Caulking - Lower Roof NE	White Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
171014-14.13 <small>091719966-0013</small>	Grey/Black Caulking (Patch) - N	Gray/Black Non-Fibrous Homogeneous	15% Cellulose	70% Matrix 15% Non-fibrous (Other)	None Detected



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

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<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091719966

Customer ID: MECA62

Customer PO: 12868

Project ID:

Analyst(s)

Beheshta Ahadi (14)

Matthew Batongbacal
or Other Approved Signatory

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

Initial report from: 10/16/2017 18:13:38

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody For California Samples

EMSL Order Number (Lab Use Only):

#091719966

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

Company Name: <u>MILLENNIUM</u>		EMSL Customer ID:	
Street:		City:	State/Province:
Zip/Postal Code:	Country:	Telephone #:	Fax #:
Report To (Name): <u>JAIROS VASQUEZ</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: <u>JFEINER; JVASQUEZ@MECAENVIR.COM</u>		Purchase Order: <u>12868</u>	
Project Name/Number: <u>3084.2001 - LITTLE RIVER</u>		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: <u>13</u>			
EMSL Bill-to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different: If Bill-to is different, note instructions in comments/special instructions below. Third-party billing requires written authorization.			
Turnaround Time (TAT) Options - Please Check			
<input type="checkbox"/> 3 Hour* <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <input type="checkbox"/> 4-4.5hr TAT (AHERA only)			
*TEM Air 3 hr., please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT.			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (Reporting Limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> 400 (<0.25%) Point Count <input type="checkbox"/> 400 (<0.25%) Point Count with Gravimetric Reduction <input type="checkbox"/> 1000 (<0.1%) Point Count <input type="checkbox"/> 1000 (<0.1%) Point Count with Gravimetric Reduction <input type="checkbox"/> NIOSH 9002 (<1%) TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking		TEM - Air <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> EPA Level II <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM EPA 600/R-93/116 with Milling Prep (<0.1%)* *Lower reporting limits available TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)	
		Soil/Rock/Vermiculite (Reporting Limit) <input type="checkbox"/> PLM CARB 435 - A (0.25%) <input type="checkbox"/> PLM CARB 435 - B (0.1%) <input type="checkbox"/> TEM CARB 435 - B (0.1%)* <input type="checkbox"/> TEM CARB 435 - C (0.01%)* <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> PLM EPA 600/R-93/116 with Milling Prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with Milling Prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with Milling Prep (<0.1%)* *Lower reporting limits available Other <input type="checkbox"/>	
<input type="checkbox"/> Stop At First Positive (Clearly identify homogenous groups below)		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Sampler's Name: <u>JAIROS VASQUEZ</u>		Sampler's Signature: <u>[Signature]</u>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
171008-14.01	PARAPET ROOF - SW	1	10.8.17
↓ -14.07	↓ - NE	1	10.8.17
171014-14.03	ROOF FIELD - NORTH CENTER	2	10.14.17
↓ -14.04	↓ - SE	2	↓
↓ -14.05	LOWR BUILT UP ROOF - W.	3	↓
Client Sample # (s):		Total # of Samples: <u>13</u>	
Relinquished (Client): <u>[Signature]</u>		Date: <u>10.16.17</u>	Time: <u>11:20</u>
Received (Lab): <u>TR</u>		Date: <u>10/16/17</u>	Time: <u>11:30AM</u>
Comments/Special Instructions: <u>W1</u>			

