COUNTY OF MENDOCINO
Executive Office
Facilities & Fleet Division

CARMEL J. ANGELO
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ADDENDUM #: 1

PROJECT: Bid 79-17 - Little River Airport Terminal Remodel Project

DATE: 10-19-2017 **ISSUED BY:** Doug Anderson

The additions, omissions, clarifications, and/or corrections herein shall be made part of the Contract plans and specifications and shall be included in the Scope of Work and proposals to be submitted. This Addendum modifies the original plans and specifications as described below.

INQUIRIES AND CLARIFICATIONS TO PROJECT PLANS AND SPECIFICATIONS

1. Q: Will there be an additional walk-through and conference for this project?

   A: Yes, a second walk-through and conference will be held on Tuesday October 24, 2017, there will be no change to the bid date. See revised Notice inviting Bids.

2. Q: Both base bid and alternate scope of work are indicated in Specification Section 01100 - Alternates. Please clarify the scope that should be included in the alternate pricing.

   A: See revised section 01100 – Alternates.

3. Q: Has a hazardous materials survey been completed for this project?

   A: Yes, see attached Pre-renovation Hazardous Materials Assessment for Asbestos and Lead Containing Materials and revised Specification Section 02070 – Selective Demolition for changes to the demolition scope.

ADDITIONAL INFORMATION

1. Revised Specification Section 00020 – Notice Inviting Bids
2. Revised Specification Section 01100 – Alternates
3. Pre-renovation Hazardous Materials Assessment for Asbestos and Lead Containing Materials for the project dated October 10, 2017; prepared by Millennium Consulting Associates.
4. Revised Specification Section 02070 – Selective Demolition
5. October 18th Pre-bid Walk-through and Conference sign in sheet.

Bidders are reminded that they shall complete the Addenda Acknowledgement in the Bid Form of their Specification Book (Section 00310-2). Failure to do so may result in disqualification of the submitted bid.

SECTION 00020 - NOTICE INVITING BIDS

Notice is hereby given that sealed bids will be received at the Executive Office - Facilities and Fleet Division, County of Mendocino, 851 Low Gap Road, Ukiah, California 95482 until the hour of 2:00 p.m., **Thursday, November 2, 2017** as determined by the clock on the wall of the Executive Office - Facilities and Fleet Division, County of Mendocino, on at which time they will be publicly opened and read aloud in the Executive Office - Facilities and Fleet Division, County of Mendocino, 851 Low Gap Road, Ukiah, California for the following project:

BID 79-17 - Little River Airport Terminal Remodel Project

License Required for this Project is: "B" License.

Plans and documents may be seen at the Executive Office - Facilities and Fleet Division, County of Mendocino, 851 Low Gap Road, Ukiah, CA 95482. Electronic Plans and Documents may be seen or downloaded from the Mendocino County Web Page for Open RFP, Quotes & Bids: https://www.mendocinocounty.org/government/executive-office/open-rfp-quotes-bids.
Additionally plans and documents have been distributed to builder's exchange plan rooms throughout Northern California. In Mendocino County, printed plans may be obtained from the following businesses:

Fort Bragg:
Beckman's S&S Printing and Copy Center
329 E. Redwood Ave.
Fort Bragg, CA 95437
707-964-9645

Ukiah:
Blueprints and Copies
846 S. State St.
Ukiah, CA 95482
707-462-1197

Bids shall be made on a form provided by the County and accompanied by a Certified Check, Cashier's Check, or Bidder's Bond for ten percent (10%) of the amount bid, made payable to the County of Mendocino. The above-mentioned check or Bid Bond shall be given as a guarantee that the Bidder shall execute the contract if it be awarded to it in conformity with the contract documents and shall provide the surety bond or bonds required, sign the contract and commence work as set forth in the Instructions to Bidders of the contract documents.

The successful Bidder will be required to furnish a Labor and Material Bond and a Faithful Performance Bond in an amount equal to one hundred percent (100%) of the contract price. Bonds shall each be obtained from a surety company satisfactory to the County of Mendocino.

Federal Laws, including The Davis-Bacon Act and The Americans with Disabilities Act of 1990, are applicable to the project.

Bidders' attention is called to Instruction to Bidders and other related documents for full directions and information as to bidding and other requirements.

Pursuant to California Public Contract Code Section 22300, the Contractor may substitute securities for any money withheld by the County to insure performance under the Contract. Said securities shall be in a form and of a type acceptable to the County.

Two mandatory pre-bid conference and site inspections will be held; one on Wednesday, October 18, 2017 at 10:00 a.m. and one on Tuesday, October 24th at 10:00 am at the Project site, 43001 Little River Airport Road, Little River, California. Bidding prime contractors are required to attend at least one of the pre-bid conferences.

PAYMENT OF PREVAILING WAGES

Pursuant to the provisions of the Labor Code of the State of California, the Department of Industrial Relations has made a determination of the rate of per diem wages to be paid on the prevailing rate of pay for regular, holiday and overtime work in the locality in which the public work is to be performed, for each craft, classification, or type of workman needed to execute the contract. All County of Mendocino projects greater than $1,000 require that contractors adhere to Prevailing Wage requirements (California Labor Code, Sections 1770 through 1775). The rates can be found online here:
http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm

CONTRACTOR REGISTRATION

Per Labor Code Section 1771.1(a) A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

CERTIFIED PAYROLL RECORDS

Per Labor Code Section 1776 each contractor and subcontractor shall keep accurate payroll records. A certified copy of all payroll records for work performed under this contract shall be furnished upon request to a representative of the awarding body. Per SB 854 contractors and subcontractors are required to furnish certified payroll reports directly to the Department of Industrial Relations.

EMPLOYMENT OF APPRENTICES

Each contractor and subcontractor performing work in an apprenticeable craft or trade shall comply with Section 1777.5 relating to Apprentices on public works projects.

MENDOCINO COUNTY BUSINESS LICENSE

Pursuant to Mendocino County Code Section 6.0 – Business Licenses and Regulations, at the time of contract award, the contractor shall supply a copy of their current County of Mendocino business license.

LAWS AND GOVERNANCES

In the performance of the work contemplated by this contract, the contractor shall conform to and abide by all labor requirements and provisions of State and Federal Laws and City and County Ordinances and Regulations which may in any manner affect those engaged or employed on the work project, including but not limited to the overtime provisions of the Labor Code section 1813 and 1815 of the State of California.

SECTION 01100 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

A. The Alternate proposals as described herein shall state the net sum to be deducted from or added to the lump sum base bid in the event that the Alternate proposal is accepted. Dollar amounts for Alternate proposals shall be inserted in the "Bid Form" Section 00310.

B. **The low bidder will be determined by the total of the base bid and both alternate bids**. The Board reserves the right to accept or reject any or all Alternate proposals.

C. Include in each Alternate proposal all changes in cost resulting in the work of all trades affected thereby. Work shall be performed in accordance with drawings and specifications affected unless otherwise specified.

D. Each bidder shall determine to its own satisfaction the full extent to which the Work is affected by each Alternate proposal and shall make full and proper allowance therefore in preparation of its proposal.

1.2 ALTERNATES

A. **Deductive Alternate No. 1: Delete new exterior siding at south, east and west elevations.**

1. **Deductive Alternate Bid:** Delete new Fiber Cement siding panels at south, east and west elevations. Use exposed attic space and north wall of terminal building and restrooms to relocate wiring and piping. Relocate all exposed wiring and piping into walls and attic spaces. After relocating wiring and piping, patch any damage to existing exterior siding, prepare, for painting at south, east and west walls.

   Priming and Painting for either alternate is part of base bid. See plan sheets A2.1 and A3.1 for additional information.

B. **Additive Alternate No. 2: Card Reader Access Control System**

1. **Alternate Bid:** Trench from existing gate operator control panel to the Junction box on the north wall of the building, provide ¾” schedule 40 PVC conduit to the building conduit provided in base bid. Pull new control wiring from the gate operator control panel to the card reader location at south door. Backfill trench and patch surfaces to match adjacent. Provide new card reader

and electric strike at south door, make all connections and perform all programming required for a complete and operational system.

See plan sheet A1.2 and specification section 08750 – Card Reader Access System for additional information.

1.3 ROOFING OPTIONS

Project plans and specifications include two options for the roofing system. The Contractor has the option of installing either system according to the details and specifications for that system. All roofing work shall be included in the base bid, and no alternate pricing is required.

A. Option 1 – Torch applied modified bitumen roofing

B. Option 2 – Heat welded PVC single ply membrane roofing

SECTION 02070 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 DESCRIPTION

A. Work included: Carefully demolish and remove from the site those items scheduled to be so demolished and removed.

1.2 APPLICABLE CODES AND REGULATIONS:

A. General Requirements: See Specification Section 01010 - Summary of Work.

B. Recycling Requirements: This project is subject to the Mendocino County "Construction and Demolition Recycling and Reuse" Ordinance and the Department of Toxic Substances Control "Requirements for Generators of Treated Wood Waste."

C. Air Quality Requirements: All materials and workmanship shall comply with all current requirements of the Mendocino County Air Quality Control District. Provide all application materials, fees and documentation necessary to obtain all permits required by the Mendocino County Air Quality Control District. Obtain approval for all operations and present to the Owner, at the close of construction, signed copies of all required permits indicating successful completion of all permit requirements.

1.3 QUALITY ASSURANCE:

A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this section.

1.4 HAZARDOUS MATERIALS

A. It is expected that hazardous materials WILL be encountered in the Work. The County will retain a certified Hazardous Materials Consultant to conduct inspections, sample materials and provide to the Contractor Hazardous Materials Assessment Reports for suspect materials encountered or likely to be encountered in the work. It is the responsibility of the contractor and all subcontractors to familiarize themselves with the proper handling of any hazardous materials encountered in the work.

B. Analytical results of the vinyl asbestos tile, floor mastic present under the carpet, and the roof penetration mastic indicate the presence of Chrysotile asbestos. Analytical results of the beige painted exterior siding and blue mosaic ceiling to be removed indicate the presence of Lead Containing Paint (LCP). Demolition, removal and

disposal of these materials shall be performed by a licensed asbestos abatement contractor under a separate contract with the County.

C. Analytical results of beige painted exterior siding to remain and of some of the other painted surfaces indicate the presence of LCP. Cutting, preparing and handling of these materials shall be in accordance with California Code of Regulations (CCR) Title 8 Section 1532.1 – Lead in Construction Standards.

D. The county will provide observations, inspections, testing and clearances as required through our certified Hazardous Materials Consultant.

E. If additional suspected hazardous materials are encountered, do not disturb; immediately notify the County. Testing and removal, if necessary will be performed at the expense of the County.

F. A Preconstruction Hazardous Materials Inspection Report has been prepared for the project. This report and other Hazardous Materials Inspection Reports prepared for this building are made available to the bidders on the County website for Bids.

PART 2 - PRODUCTS

(No products are required in this Section.)

PART 3 - EXECUTION

3.1 SURFACE CONDITIONS

A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.2 DEMOLITION

A. By careful study of the Contract Documents, determine the location and extent of selective demolition to be performed.

B. Coordinate selective demolition with the County and Abatement Contractor to verify the location and extent of the demolition to be performed by each party.

C. Ensure that hazardous materials encountered in the Work are handled appropriately by properly trained personnel.

D. In company with the Architect, visit the site and verify the extent and location of selective demolition required.

1. Carefully identify limits of selective demolition.
2. Mark interface surfaces as required to enable workmen to identify items to be removed and items to be left in place intact.

E. Prepare and follow an organized plan for demolition and removal of items.

1. Shut off, cap, and otherwise protect existing public utility lines in accordance with the requirements of the public agency or utility having jurisdiction.
2. Completely remove items scheduled to be so demolished and removed, leaving surfaces clean, solid, and ready to receive new materials specified elsewhere.
3. In all activities, comply with pertinent regulations of governmental agencies having jurisdiction.

F. Disposal of Materials

All demolition materials shall be properly disposed of offsite by the contractor.

G. Salvage of Existing Materials

Remove existing materials identified in the Contract Documents which are suitable for reuse. Stack all salvaged materials in a safe place with wood boards separating units and wood protection all around. Salvaged materials shall be protected from damage by the contractor until the completion of the demolition contract.

H. Use means necessary to prevent dust becoming a nuisance to the public, to neighbors, and to other work being performed on or near the site.

3.3 REPLACEMENTS

A. In the event of demolition of items not so scheduled to be demolished, promptly replace such items to the approval of the Architect and at no additional cost to the Owner.

MILLENNIUM
CONSULTING ASSOCIATES
A MECA Consulting, Inc. Company

"Providing Premiere Environmental & Industrial Hygiene Services since 1986"

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401 Roland Way, Ste. 250
Oakland, CA 94621
925.808.6700
www.mecaenviro.com

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

Date: October 10, 2017

Project No. 3084.2001

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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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CONSULTING ASSOCIATES
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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 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

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
b. Sheet Flooring w/ Backing
c. Drywall System
d. Drywall Texture
e. Concrete Step
f. Penetration Mastic
g. Penetration Caulking
h. Built up Roof System
i. Foam Insulated Parapet Roof
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
b. Light Blue Painted Wood Ceiling
c. Off-White/Beige Wood Exterior Siding
d. Brown Painted Metal Supports
e. Brown Exterior Wood Trim/Window Frames
f. Beige Wood Door

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

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 ($\mu g/m^3$) by completing a Negative Exposure Assessment (NEA) prior to demolition activities. The action level for demolition is established at 30 $\mu g/m^3$ 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.

MILLENNIUM
CONSULTING ASSOCIATES
A MECA Consulting, Inc. Company

TABLES

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	Penetation 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	-	-	-	-

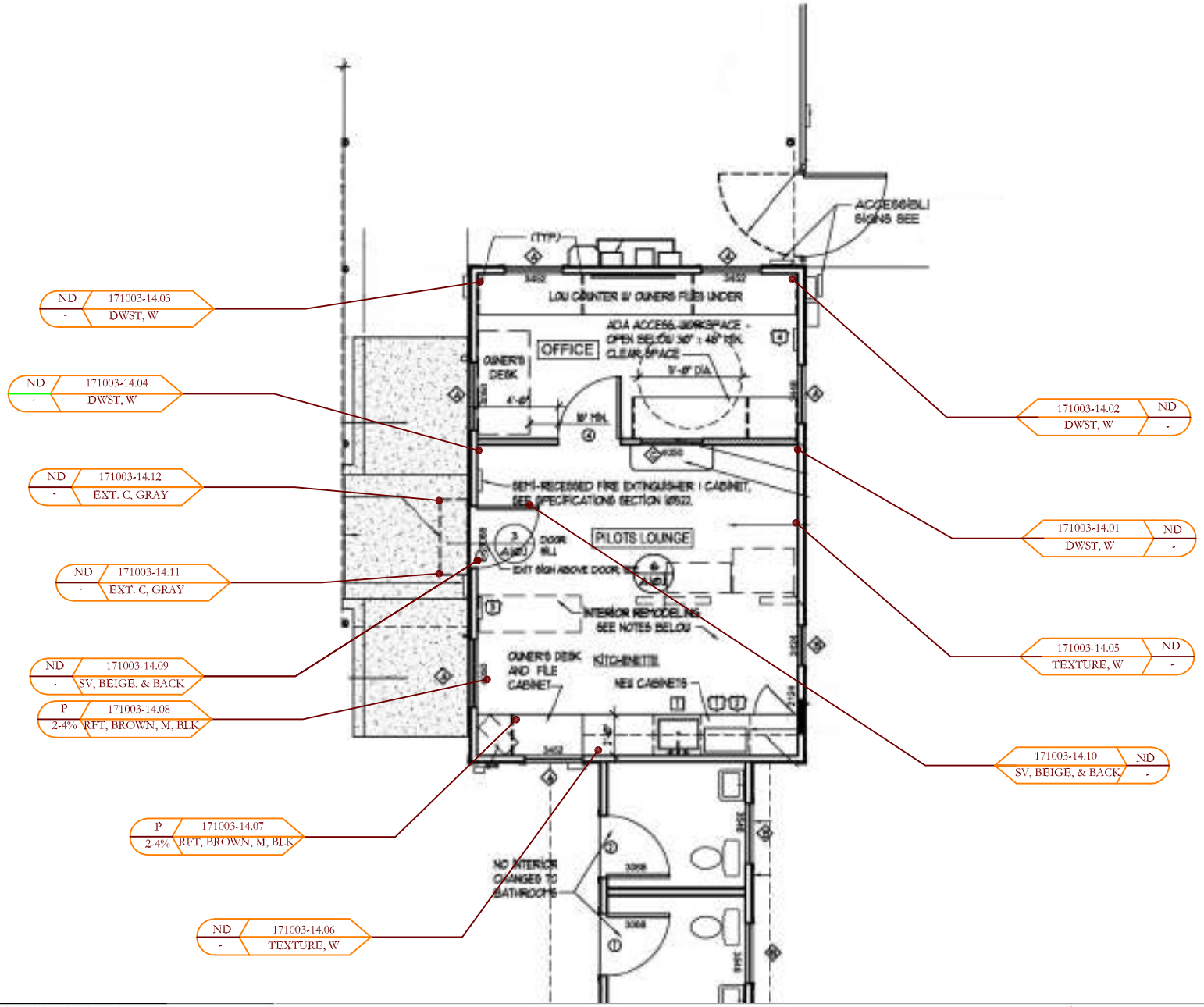
Table 2 - Detailed Listing of Lead Paint Survey
County of Mendocino
3084.2001 - Little River Airport

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 Ceiliing	Wood	Intact	180 ppm

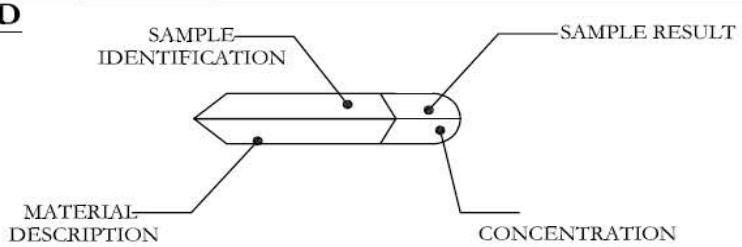
MILLENNIUM
CONSULTING ASSOCIATES
A MECA Consulting, Inc. Company

APPENDIX A

SITE MAP AND SAMPLING LOCATIONS



LEGEND

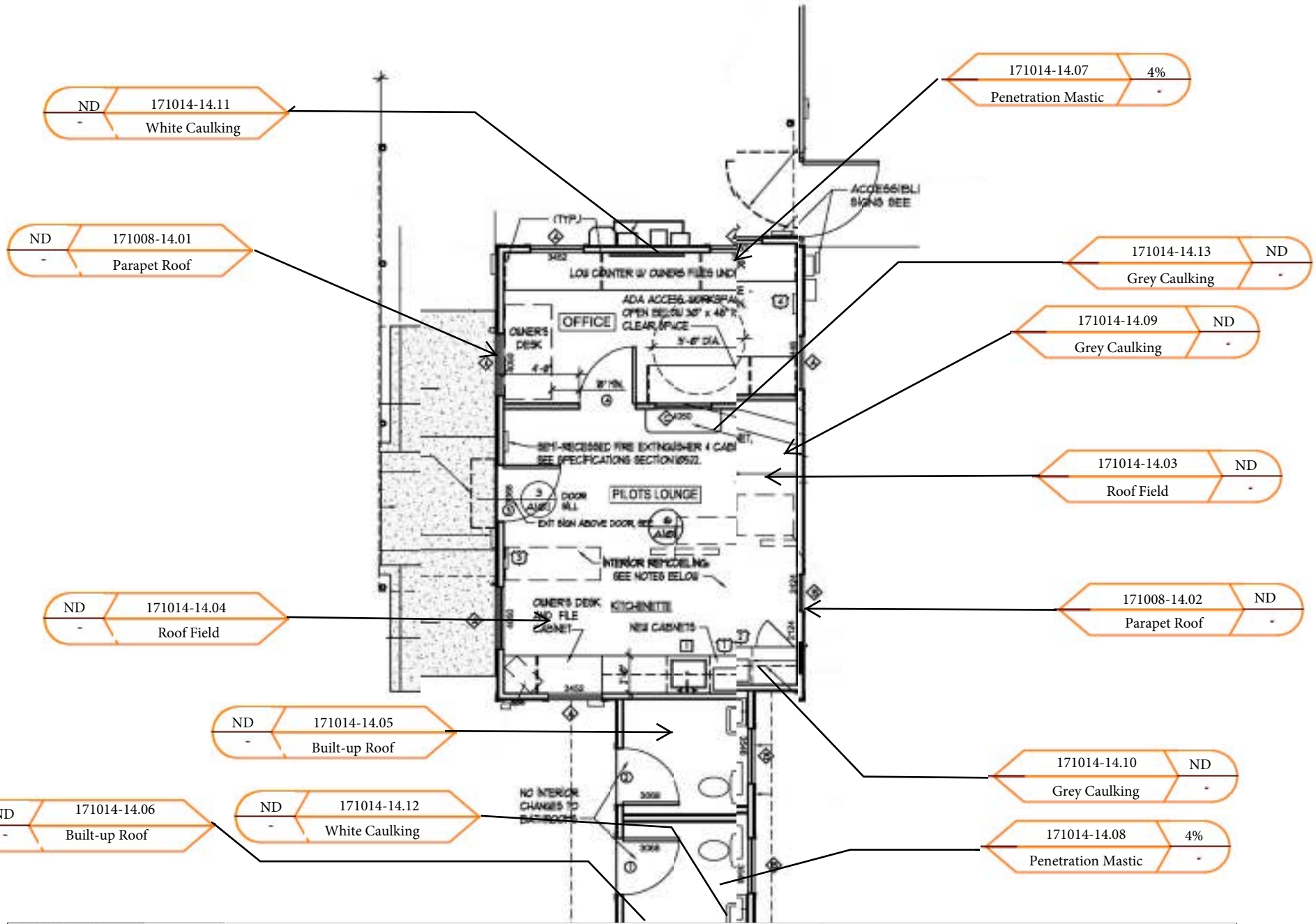


GROUND LEVEL INTERIOR/ EXTERIORS

COUNTY OF MENDOCINO

MILLENNIUM CONSULTING ASSOCIATES
OAKLAND, CA

SCALE: N.T.S.	FOR	LITTLE RIVER AIRPORT- PILOTS LOUNGE	
DATE:			
DRWN: BG	TITLE	SAMPLE LOCATION PLAN	
CHECKED: JV			
APPROVED:	JOB NO. 3084.2001		DWG. NO. FIGURE-1



ROOFING SAMPLES

COUNTY OF MENDOCINO

MILLENNIUM CONSULTING ASSOCIATES
OAKLAND, CA

SCALE: N.T.S.	FOR	LITTLE RIVER AIRPORT	
DATE:			
DRWN: BG	TITLE	SAMPLE LOCATION PLAN	
CHECKED: JV			
APPROVED:	JOB NO. 3084.2001	DWG. NO.	FIGURE-2

MILLENNIUM
CONSULTING ASSOCIATES
A MECA Consulting, Inc. Company

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)*

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

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

OrderID: 091719158

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 : MILLENNIUM	**EMSL-Bill to:** ☐ Same ☐ 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): JAIRUS VASQUEZ	**Telephone #:**
Email Address: JFEINER@MEGAENVIRO.COM	**Fax #:** / **Purchase Order:** 12811
Project Name/Number: 3024-2001 – LITTLE RIVER AIRPORT	**Please Provide Results:** ☐ Fax ☑ Email
U.S. State Samples Taken: 8	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☑ 24 Hour | ☐ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☑ ppm (mg/kg)	10/4/17 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* ASTM ☐ non ASTM ☐ *If no box checked, non-ASTM Wipe assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☐
	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 ☐ Preserved with HNO_3 pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200 7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
	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: JAIRUS VASQUEZ **Signature of Sampler:**

Sample #	Location	Volume/Area	Date/Time Sampled
171003-14.13	BROWN PAINT – WOOD DOORFRAME	—	10.3.17
↓ - 14.14	BROWN PAINT - METAL SUPPORTS	—	↓

Client Sample #s **Total # of Samples:**

Relinquished (Client):		**Date:** 10.4.17	**Time:**	09:15	
Received (Lab):	KZ	**Date:** 10-4-17	**Time:**	9:30 AM	WI

Comments:

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

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

Sample #	Location	Volume/Area	Date/Time Sampled
171003-14.15	BEIGE WOOD DOOR	—	10-3-17
-14.16	BROWN EXTERIOR TRIM	—	↓
-14.17	OFF-WHITE / BEIGE EXT. WALL SIDING - SE.	—	
-14.18	OFF-WHITE / BEIGE EXT SIDING - W.	—	
-14.19	WHITE INTERIOR WALL PAINT	—	
-14.20	LT. BLUE CEILING PAINT	—	
		—	

Comments/Special Instructions:

Page 2 of 2 pages

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	**Phone:**	(925) 808-6700
	Millennium Consulting Associates, Inc.	**Fax:**	(925) 808-6708
	401 Roland Way	**Received Date:**	10/04/2017 9:30 AM
	Suite 250	**Analysis Date:**	10/04/2017
	Oakland, CA 94621	**Collected Date:**	10/03/2017
Project:	12810 - 3084.2001 - Little River Airport		

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

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

Analyst(s)
Cecilia Yu (20)

Matthew Batongbacal
or Other Approved Signatory

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

OrderID: 091719185

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:** ☐ Fax ☒ 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:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

EMSL-Bill to: ☐ Same ☐ 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

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 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 ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NYS 198.8 SOF-V
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite*
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ TEM Qual. via Filtration Technique
- ☐ TEM Qual. via Drop-Mount Technique

*Can not accept New York State Loose Fill Vermiculite Samples

Other: ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** | **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: JAIRUS VASQUEZ | **Samplers Signature:** [signature]

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): [signature] **Date:** 10-3-17 **Time:** 09:00

Received (Lab): [signature] **Date:** 10-4-17 **Time:** 9:30AM WT

Comments/Special Instructions:

OrderID: 091719185

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
171003 -14.08	BROWN RFT + BLACK MASTIC (UNDER CARPET) - S.E	3/4	10-3-17
-14.09	BEIGE S.V + BACKING - SE OF ENTRY	5/6	↓
-14.10	↓ - NW OF ENTRY	5/6	
-14.11	EXTEIOR CONCRETE STEP - SE	7	
-14.12	↓ - S.W.	7	↓

***Comments/Special Instructions:**

Page _____ of _____ pages

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	**Phone:**	(925) 808-6700
	Millennium Consulting Associates, Inc.	**Fax:**	(925) 808-6708
	401 Roland Way	**Received Date:**	10/16/2017 11:30 AM
	Suite 250	**Analysis Date:**	10/16/2017
	Oakland, CA 94621	**Collected Date:**	10/08/2017 - 10/14/2017
Project:	12868 - 3084.2001 - Little River		

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

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

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:	

Analyst(s)

Beheshta Ahadi (14)

Matthew Batongbacal
or Other Approved Signatory

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

OrderID: 091719966

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 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company Name : MILLENNIUM		**EMSL Customer ID:**	
Street:		**City:**	**State/Province:**
Zip/Postal Code:	**Country:**	**Telephone #:**	**Fax #:**
Report To (Name): JAIRUS VASQUEZ		**Please Provide Results:** ☐ Fax ☒ Email	
Email Address: JFEINER ; JVASQUEZ@MECAGNVIRO.COM		**Purchase Order:** 12868	
Project Name/Number: 3084.2001 - LITTLE RIVER		**EMSL Project ID** (*Internal Use Only*):	
U.S. State Samples Taken: 13			

EMSL Bill-to: ☒ Same ☐ 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

☐ 3 Hour* ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

☐ **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
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM – Bulk (Reporting Limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ 400 (<0.25%) Point Count
- ☐ 400 (<0.25%) Point Count with Gravimetric Reduction
- ☐ 1000 (<0.1%) Point Count
- ☐ 1000 (<0.1%) Point Count with Gravimetric Reduction
- ☐ NIOSH 9002 (<1%)

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM – Air
- ☐ AHERA 40 CFR, Part 763
- ☐ EPA Level II
- ☐ NIOSH 7402
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ Chatfield SOP
- ☐ TEM EPA 600/R-93/116 with Milling Prep (<0.1%)**

**Lower reporting limits available*

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite (Reporting Limit)
- ☐ PLM CARB 435 – A (0.25%)
- ☐ PLM CARB 435 – B (0.1%)
- ☐ TEM CARB 435 – B (0.1%)*
- ☐ TEM CARB 435 – C (0.01%)*
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep
- ☐ PLM EPA 600/R-93/116 with Milling Prep (<1%)
- ☐ PLM EPA 600/R-93/116 with Milling Prep (<0.25%)
- ☐ TEM EPA 600/R-93/116 with Milling Prep (<0.1%)*

**Lower reporting limits available*

Other
- ☐

☐ **Stop At First Positive** (*Clearly identify homogenous groups below*) **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Sampler's Name: JAIRUS VASQUEZ **Sampler's Signature:** [signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
171008-14.01	PARAPET ROOF - SW	1	10.8.17
↓ -14.02	↓ - 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:** 13

Relinquished (Client): [signature] **Date:** 10.16.17 **Time:** 11:20

Received (Lab): TR **Date:** 10/16/17 **Time:** 11:30AM

Comments/Special Instructions: W1

OrderID: 091719966

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Chain of Custody

EMSL Order Number (*Lab Use Only*):

#091719966

PHONE:
FAX:

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
171014-14.06	LOWER BUILT UP ROOF – E	3	10-14-17
-14.07	BLACK PENNETRATION MASTIC – NW	4	
-14.08	↓ – FAR EAST	4	
-14.09	GREY CAULKING – NORTH	5	
-14.10	↓ – NORTHEAST	5	
-14.11	WHITE CAULKING – FAR W. PARAPET	6	
14.12	↓ – LOWER ROOF N.E.	6	
14.13	GREY/BLACK CAULKING (PATCH) – N.	5	

*Comments/Special Instructions:

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide