



**ASBESTOS INSPECTION/HAZARD ASSESSMENT  
AND  
OSHA LEAD PAINT HAZARD SCREEN**

**FOR**

**LC-101/TBA COSTILLA COUNTY ONSITE BLDG  
15454 STATE HWY 159, SAN LUIS, COLORADO**

*Prepared for:*

**ALISSA SCHULTZ  
CDPHE  
4300 CHERRY CREEK DRIVE SOUTH  
BUILDING A  
DENVER, CO 80246**

*Prepared by:*

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**GHP PROJECT NO. 11503.24**

**DATE OF INSPECTION – OCTOBER 27 & 28, 2014  
DATE OF REPORT – NOVEMBER 5, 2014**



GOBBELL HAYS PARTNERS, INC.

ARCHITECTURE • ENGINEERING  
ENVIRONMENT • HEALTH • SAFETY

*Nashville*

*Denver*

*San Antonio*

November 5, 2014

Alissa Schultz  
CDPHE  
4300 Cherry Creek Drive South  
Building A  
Denver, CO 80246

**RE: Asbestos Inspection/Hazard Assessment & OSHA Lead Paint Hazard Screen  
LC-101/TBA Costilla County On-site Building, San Luis, Colorado  
GHP Project No. 11503.24**

Dear Ms. Schultz:

Enclosed please find the inspection report on the above referenced project. If you have any questions or require additional information, please call me at 303-574-0082, ext 202 or email me at [wanderson@ghp1.com](mailto:wanderson@ghp1.com).

Sincerely,

Wade E. Anderson  
V.P. General Manager, Mountain Division

Enclosure



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## 1.0 INTRODUCTION

On October 27, 2014, Gobbell Hays Partners, Inc. (GHP) initiated an asbestos building inspection/hazard assessment and OSHA lead paint hazard Screen for the LC-101/TBA Costilla County on-site building (former health clinic) located in San Luis, Colorado. The purpose for the inspections/hazard assessments was to identify/confirm through testing if accessible suspect asbestos containing materials (ACMs) and lead containing materials were present in building materials.

GHP collected bulk samples of accessible suspect ACMs per EPA, Colorado Department of Health and Environment, and OSHA asbestos inspection regulations, and collected bulk samples to screen for lead in paint. Bulk samples were given unique alpha-numeric identification numbers, consisting of three parts and labeled according to EPA regulations. The first letter “B” designates the sample as a bulk asbestos sample. First letter of “LB” designates the samples for lead. The first set of numbers “11503.24” identifies the GHP project number. The second group of numbers represents the sequential sample acquired for a project. A description of each bulk sample and the sample location has been included. Sample locations and laboratory results are presented in Appendix A and B.

Bulk asbestos samples were randomly collected from homogenous areas of accessible suspect ACM by Jaden Anderson, an EPA/State of Colorado certified asbestos inspector, and Haley Dosch, an EPA/State of Colorado certified asbestos inspector. All bulk samples were submitted to Reservoirs Environmental Inc. (REI), a third party independent laboratory. REI is accredited through the National Institute of Standards and Technology (NIST) and participates in the NIST National Voluntary Lab Accreditation Program (NVLAP) as required by EPA.

Asbestos bulk samples were analyzed by Polarized Light Microscopy (PLM) in general compliance with guidelines established by the US EPA (40 CFR Part 763, Subpart F, Appendix A). Asbestos concentrations were visually estimated and/or point counted and reported in percent for each layer of the sample.

GHP also acquired bulk samples of painted surfaces to comply with OSHA’s “Lead Construction Standard”. GHP collected 15 lead content bulk paint samples; sample locations and laboratory results can be found in Appendix B.

This report includes (1) Asbestos and Lead Regulation Review, (2) a description of the materials surveyed and locations of bulk samples, (3) a summary of findings, including lab results and volumes of identified ACMs and lead paint (4) conclusions regarding abatement requirements/cost estimates for identified ACMs/lead paint.



**2.0 CERTIFICATIONS**

The following representatives of Gobbell Hays Partners, Inc. performed the EPA AHERA asbestos inspection and OSHA lead paint screen:

Name of Asbestos Inspector: Jaden Anderson

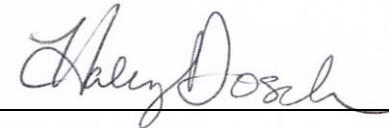
Signature  \_\_\_\_\_

EPA Accreditation No: 04/14BIRGHP12

State of Colorado Accreditation No: 20347

\*\*\*\*\*

Name of Asbestos Inspector: Haley Dosch

Signature  \_\_\_\_\_

EPA Accreditation No: I14243

State of Colorado Accreditation No: 18443



### **3.0 REGULATORY REVIEW**

#### **Asbestos**

EPA and the Colorado Department of Public Health and Environment (CDPHE) regulate all building materials that contain greater than 1% asbestos as determined through polarized light microscopy (PLM) analysis. OSHA regulates all building materials that contain smaller amounts of asbestos (even trace concentrations by PLM).

EPA and CDPHE Regulation No. 8, Part B, requires that suspect ACM in buildings built prior to 1988 be assumed to be asbestos or an inspection be conducted by an EPA accredited/CDPHE licensed asbestos building inspector. CDPHE, Regulation No. 8, Part B, requires an asbestos inspection following the AHERA protocol be conducted prior to demolition or remodeling activities that could disturb ACM.

The EPA and CDPHE require all friable and non-friable ACMs be removed prior to renovation activities that may disturb the ACM, and all friable ACM must be removed prior to demolition.

In some circumstances, “point count” analysis is required for bulk samples previously analyzed by PLM. Point counting is a more detailed means of analysis than standard PLM. Federal and State agencies define ACM as materials containing greater than 1% asbestos. The NESHAP regulation requires that if standard PLM analysis determines that a sample contains less than 10% asbestos, the material must be considered asbestos-containing or be point counted. Even if the sample is less than 1% by standard PLM, the material either has to be assumed to be ACM or point counted. If the point counting analysis is different than the PLM analysis, the point counting result takes precedence. If standard PLM analysis determines that a material has no asbestos or that the material contains greater than 10% asbestos, point counting is not necessary.

#### **Lead**

The U.S. Consumer Product Safety Commission, 16 C.F.R. 1303, declares that paint and similar surface-coating materials for consumer use that contain lead or lead compounds and in which the lead content (calculated as lead metal) is in excess of 0.06 percent (0.06 percent is reduced to 0.009 percent effective August 14, 2009 as mandated by Congress in section 101(f) of the Consumer Product Safety Improvement Act of 2008 of the weight of the total nonvolatile content of the paint or the weight of the dried paint film which paint and similar surface-coating materials are referred to hereafter as “lead-containing paint”) are banned hazardous products under sections 8 and 9 of the Consumer Product Safety Act (CPSA), 15 U.S.C. 2057, 2058.

In 1993, The Occupational Safety and Health Administration (OSHA) established a standard addressing airborne lead exposure to employees in the construction industry.



OSHA Lead Exposure in Construction standard applies to the disturbance or demolition of components that contain lead in measurable quantities and is based on airborne concentrations of lead generated during construction activities rather than on the concentration of the lead in paint or other material. Therefore, the employee protection and safety precautions as outlined by CFR 1926.62 must be initiated if any paint which contains lead in measurable quantities is physically disturbed during demolition or renovation activities. CFR 1926.62 applies to construction activities where an employee may be exposed to lead. This includes but is not limited to the following:

- Demolition or salvage of structures where lead or materials containing lead is present.
- Removal or encapsulations of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof that contain lead, or materials containing lead.

The regulation states that where lead containing coatings or paint are present, an initial employee exposure assessment must be conducted when any of the following activities take place:

- Manual demolition of structures
- Manual scraping or sanding
- Heat gun applications
- Power tool cleaning
- Abrasive blasting
- Welding
- Cutting
- Torch burning

The employee exposure assessment includes air monitoring for airborne lead levels above the action level of 30 micrograms/cubic meter or permissible exposure limit (PEL) of 50 micrograms/cubic meter. During employee exposure assessment, the employer is required to implement the following protective measures:

1. Appropriate respiratory protection designed for airborne lead levels up to at least ten times the PEL.
2. Personal protective clothing.
3. Clean change areas equipped with separate storage facilities for protective work clothing and equipment and street clothes.
4. Hand washing facilities.
5. Initial biological monitoring in the form of employee blood sampling.



6. Lead hazard training. In addition, the regulation requires engineering and work practice controls, written compliance programs, and medical surveillance of employees.

If any materials coated with lead containing paint are scheduled for waste disposal, a waste characterization must be performed to determine the appropriate disposal requirements as regulated by the Environmental Protection Agency's Resource Conservation and Recovery Act (RCRA). Waste characterization includes sample collection and analysis using the Toxicity Characteristic Leaching Procedure (TCLP) method as outlined by EPA. Material must be considered toxic waste and disposed of in the appropriate manner if the TCLP results in extraction of lead above five parts per million.

The State of Colorado, Colorado Department of Health (CDPHE), does have a regulation that does apply to apartment buildings. Apartment buildings are defined as target housing under Regulation No. 19, Lead-Based Paint Abatement. Any LBP abatement performed in target housing would be regulated by Regulation No. 19.

Common renovation activities like sanding, cutting, and demolition can create hazardous lead dust and chips by disturbing lead-based paint, which can be harmful to adults and children.

To protect against this risk, on April 22, 2008, EPA issued a rule requiring the use of lead-safe practices and other actions aimed at preventing lead poisoning. The rule is called Lead-Based Paint Renovation, Repair and Painting Program rule. The rule is also referred to as the RRP Rule. Under the rule, beginning April 22, 2010, contractors, owners and owner representative and property managers performing renovation, repair and painting projects that disturb lead-based paint in homes, child care facilities, and schools built before 1978 must be certified and must follow specific work practices to prevent lead contamination.

EPA requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in pre-1978 homes, child care facilities and schools be certified by EPA and that they use certified renovators who are trained by EPA-approved training providers to follow lead-safe work practices. Individuals can become certified renovators by taking an eight-hour training course from an EPA-approved training provider.

Contractors must use lead-safe work practices and follow these simple procedures including but not limited to;

- Contain the work area.
- Minimize dust.
- Clean up thoroughly.



Beginning in December 2008, the rule requires that anyone that is paid to perform work that disturbs paint in housing and child-occupied facilities built before 1978 provide to owners and occupants of child care facilities and to parents and guardians of children under age six that attend child care facilities built prior to 1978 the EPA lead hazard information pamphlet Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools.

The rule affects paid renovators who work in pre-1978 housing and child-occupied facilities, including:

- Renovation contractors
- Maintenance workers in multi-family housing
- Painters and other specialty trades.

Under the rule, child-occupied facilities are defined as residential, public or commercial buildings where children under age six are present on a regular basis. The requirements apply to renovation, repair or painting activities. The rule does not apply to minor maintenance or repair activities where less than six square feet of lead-based paint is disturbed in a room or where less than 20 square feet of lead-based paint is disturbed on the exterior. Window replacement is not minor maintenance or repair.

Previously, owner-occupants of homes built before 1978 could certify that no child six years of age or younger or pregnant woman was living in the home and "opt-out" of having their contractors follow lead-safe work practices in their homes. On April 23, 2010, to better prevent against lead paint poisoning, EPA issued a final rule to apply lead-safe work practices to most pre-1978 homes, effectively closing the exemption. The rule eliminating the opt-out provision became effective July 6, 2010.

Since the RRP Rule became effective on April 22, 2010, concerns have been raised by the regulated community regarding difficulties experienced in obtaining the rule required firm certification and renovation worker training. Acknowledging those concerns and to facilitate the transition to full implementation of the RRP Rule, EPA will offer additional and sufficient time for renovations firms and workers to obtain the necessary training and certifications to comply as follows:

- Until October 1, 2010, EPA will not take enforcement action for violations of the RRP Rule's firm certification requirement.
- For violations of the RRP Rule's renovation worker certification requirement, EPA will not enforce against individual renovation workers if the person has applied to enroll in, or has enrolled in, by not later than September 30, 2010, a certified renovator class to train contractors in practices necessary for compliance with the final rules. Renovators must complete the training by December 31, 2010.



## 4.0 ACM INSPECTION/TEST RESULTS

4.1 The following accessible suspect materials identified at the LC-101/TBA Costilla County on-site building (former health clinic) located in San Luis, Colorado were tested and determined to be asbestos containing materials (ACM):

Homogeneous Sampling Areas (HA):

- **HA #2** (12, 13) – Non-friable 9”x 9” Yellow and white floor tile pattern with red streaks (15% Chrysotile). Material is categorized as Non-Friable ACM with potential for damage. This floor tile pattern is located in the reception area, the doctor’s office hallways, and the dental clinic hallways. Much of the material is located underneath carpeting. Approximately 1,800 sq. ft. of material.
- **HA #3** (6, 19, 20) – Non-friable black mastic/adhesive (8% Chrysotile). Material is categorized as Non-Friable ACM with potential for damage. ACM black mastic is prominent throughout the doctor/dentist offices, and was found in the following areas: reception area, all hallways, all restrooms, closets/storage areas, doctor’s office, exam rooms and labs. Approximately 2,500 sq. ft. of material.
- **HA #9** – Non-friable tan sheet vinyl (25% Chrysotile). Material is categorized as Non-Friable ACM with potential for damage. Located in the “Lab” (second room south of the reception area). Approximately 120 sq. ft. of material.
- **HA #11** – Non-friable sheet vinyl (65% Chrysotile). Material is categorized as Non-Friable ACM with potential for damage. Located in the “Lab” (second room south of the reception area). Approximately 8 sq. ft. of material.
- **HA #17** – Non-friable 9”x 9” Green and white floor tile pattern (15% Chrysotile). Material is categorized as Non-Friable ACM with potential for damage. Located in the closet in the “Doctor’s Office”. Approximately 10 sq. ft. of material.
- **HA #18** – Non-friable tan octagonal sheet vinyl (25% Chrysotile). Material is categorized as Non-Friable ACM with potential for damage. Located in the “Lab” (second room south of the reception area). Also located in the “Transfer Room” (at the southeast corner of the main hallway). Approximately 200 sq. ft. of material.
- **HA #28** (29, 30) – Friable 9”x 9” floor tiles (10% Chrysotile). Material is categorized as Friable ACM with significant damage. Located throughout the living quarters. Approximately 1,900 sq. ft. of material.



- **HA #38, 39** (45) – Friable textures on gypsum board substrate (4% Chrysotile). Material is categorized as Friable ACM with significant damage, located on all walls and ceilings throughout the living quarters. Approximately 5,000 sq. ft. of material.
- **HA #43** – Friable sink undercoating (8% Chrysotile). Material is categorized as Friable ACM with potential for damage. Located on both sinks in the living quarters.
- **HA #49** – Friable 12”x12” white floor tile (15% Chrysotile). Material is categorized as Friable ACM with significant damage. Located throughout the basement. Approximately 1,500 sq. ft. of material.
- **HA #54** – Non-friable black tar sealant (25% Chrysotile). Material is categorized as Non-Friable ACM. Located on the chimney above the boiler room. Approximately 4 sq. ft. of material.
- **HA #59** – Friable air-cell type pipe insulation and mudded pipe fitting insulation (50% Chrysotile). Material is categorized as friable ACM with significant damage, and is located in the crawlspace beneath the clinic building main floor (no crawl space exists under the living quarters). Approximately 2,500 l.f. of ACM thermal system insulation (TSI) and approximately 5,500 sq. ft. of ACM contaminated soils and concrete tunnels under the Clinic Building main floor.
- **HA #58** – Friable grey granular plaster stucco (Trace Chrysotile <0.25%). Material is located on the exterior of the entire building. Approximately 4,800 sq. ft. of material.  
*\*This material contains less than 0.25% asbestos by point count analysis, therefore the exterior stucco is not regulated as an ACM under EPA/CDPHE regulations; however, it is regulated under OSHA “worker protection standards”.*

Roofing materials and window caulking/putty materials (non-friable) were assumed to be ACM.



4.2 The following suspect materials identified at this site were tested and determined to be non-ACM:

Homogeneous Areas (HA)

- HA #1 – Tan carpet with yellow mastic at main entrance
- HA #4 – Dark blue cove base with off-white mastic
- HA #5 – Grey cove base with tan adhesive
- HA #7 – Black sheet vinyl underneath floors throughout building
- HA #8 – Brown sheet vinyl in west “exam room”
- HA #10 – Beige cove base with white adhesive
- HA #14 – Beige sheet vinyl with rock pattern in “treatment room”
- HA #15 – Fire hose material
- HA #16 – Flower pattern sheet vinyl in east “exam room”
- HA #21 – 12”x 12” white floor tile in the dentist restroom
- HA #22 – Off white sheet vinyl in the dentist restroom
- HA #23 – Light brown cove base with tan adhesive
- HA #24 – Grey/Blue cove base with tan adhesive
- HA #25 – Dark grey cove base with tan/orange adhesive
- HA #26 – Black cove base with tan adhesive
- HA #27 – Patterned white sheet vinyl in the dentist hallway restroom
- HA #31 – Medium wall surface textures on plaster substrates throughout the structure other than the living quarters
- HA #32 – Hallway wall surface textures on plaster substrate throughout the structure other than the living quarters
- HA #33 - Medium wall surface textures on gypsum board substrate throughout the structure other than the living quarters
- HA #34 – Small bubble wall surface textures on plaster substrates throughout the structure other than the living quarters



- HA #35 – Smooth wall surface textures on gypsum board substrates throughout the structure other than the living quarters
- HA #36 – White wallpaper adhesive
- HA #37 – Heavy wall surface texture in the work office of the dentist hallway
- HA #40 – Grey adhesive on ceramic tile in the reception area
- HA #41 – Blue adhesive on Styrofoam in between doorways
- HA #42 – Orange adhesive on ceramic tile
- HA #44 – 12”x 12” ceiling tiles throughout building
- HA #46 – Brown batt insulation and adhesive
- HA #47 – Silver batt insulation and adhesive
- HA #48 – 2’x 4’ ceiling tiles in the basement
- HA #50 – Gypsum board in the basement
- HA #51 – Green carpet and backing on the basement stairs
- HA #52 – Tan HVAC sealant
- HA #53 – Black vent sealant
- HA #55 – Black HVAC sealant
- HA #56 – Black insulation behind metal sheeting
- HA #57 – Black vent sealant
- HA #60 – Shingles on crawl space access covers

See Appendix A for the asbestos bulk sample log and laboratory results.



## 5.0 OSHA LEAD PAINT SCREEN/TEST RESULTS

The following painted surfaces contain .5% or more lead and therefore are regulated by EPA and HUD as Lead Based Paint (LBP):

- Pink paint on gypsum board substrate, living quarters (0.93%).

The following painted surfaces contain < .5% lead and are only regulated by OSHA's Worker Protection Standards:

- Grey paint on door frame to main hallway (0.010%).
- Dark pink paint on door frame to exam room (0.012%).
- Black paint on gypsum board substrate in Dark Room (0.068%).
- Light green paint on metal substrate in basement (0.012%).
- Blue paint on gypsum board substrate in living quarters (0.30%).
- Light pink paint, gypsum board substrate, living quarters (0.19%).
- Yellow paint, gypsum board substrate, living quarters (0.011%).
- White exterior paint on stucco (0.0050%).
- Red exterior paint on brick (0.075%).
- Black exterior paint on hand rail (0.038%).

The following painted surfaces were tested and found to have no reportable level of lead present

- White paint on plaster substrates throughout the Clinic
- Light brown paint on door frame at reception
- Light blue paint on gypsum board substrate in the Treatment Room
- Grey/blue paint on gypsum board substrate in the Storage/Lab Room

See Appendix B for lead paint log and laboratory results.



## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Gobbell Hays Partners, Inc. understands the former Costilla County Clinic Building is scheduled to be razed as part of a community development project. Based on this assumption, GHP makes the following conclusions and recommendations:

- In the event additional suspect environmental hazards are encountered during demolition activities and those materials are not discussed in this report, no work should continue until the suspect hazards are sampled and verified as non-hazardous by GHP and/or properly abated and disposed of accordingly.
- Owner must notify Contractors of the presence of all ACMs identified in Section 4.0 of this report at the time of bidding out any work on this property, and notify others (i.e. volunteers who may work on this property) of the presence of all ACMs identified in Section 4.0 of this report.
- Owner must notify Contractors of the presence of all lead paints identified in Section 5.0 of this report at the time of bidding out any work on this property, and notify others (i.e. volunteers who may work on this property) of the presence of all lead paints identified in Section 5.0 of this report.
- Non-friable ACMs identified in Section 4.0 of this report may remain intact during demolition of the building as long as demolition activities do not rendered the ACMs friable. No burning of the structure, and no burning or grinding of demolition waste is allowed. Lead containing paints identified in Section 5.0 of this report may remain intact during demolition of the building, if no burning of the structure, and no burning or grinding of demolition waste is allowed.
- Friable ACMs and non-friable ACMs that may become friable during demolition activities identified in Section 4.0 of this report must be properly abated and disposed of prior to demolition of the building. Only CDPHE licensed personnel may provide the abatement activities. Due to the amount of ACMs requiring abatement prior to demolition of the structure, CDPHE will require a formal Asbestos Abatement Project Design be written/implemented for this work.
- EPA will require all regulated building materials (RBMs) other than ACM and lead paints that exist be removed and properly disposed of including:
  - Chemicals
  - CFC coolants in AC units and water cooler compressors
  - PCB electrical transformer oils and light fixture ballasts
  - mercury vapor fluorescent light bulbs
  - mercury switches in thermostats
  - lead batteries, lead sheeting in walls where used for X-Ray equipment
  - radioactive materials in exist lights and smoke detectors.
- OSHA Asbestos and Lead Standards will require personal and excursion air monitoring be performed on demolition workers to determine engineering controls



used to lower asbestos fiber release and lead dust release during demolition and load out of debris are satisfactory levels are sufficient to protect the health and safety of demolition workers.



## 7.0 ABATEMENT ESTIMATES

Gobbell Hays Partners, Inc. understands the former Costilla County Clinic Building is scheduled to be razed as part of a community development project.

### *ACMs Requiring Abatement*

CDPHE will require the proper abatement of the following ACMs present inside the former Costilla County Clinic Building Costilla County Clinic Building prior to issuing a demolition permit:

- Friable ACM sheet vinyl flooring throughout (approximately 320 sq. ft.).
- Friable damaged ACM 12” x 12” floor tiles throughout the basement (approximately 1,500 sq. ft.), and friable damaged ACM 9” x 9” floor tiles throughout the Living Quarters (approximately 1,900 sq. ft.), and any ACM floor tiles requiring abatement to allow saw cuts into the main floor of the Clinic Building to access/abate the crawl space.
- Friable ACM textures on gypsum board substrates on all walls and ceilings of the Living Quarters (approximately 5,000 sq. ft.).
- Friable ACM sinks in the Living Quarters.
- Friable ACM pipe insulation located in the main level walls and in the Clinic Building crawlspace/tunnels (approximately 2,500 l.f.) and ACM contaminated soils and concrete surfaces in the tunnels/crawlspace beneath the Clinic Building (approximately 5,500 sq. ft.). It does not appear the Living Quarters has a crawl space or pipe tunnels.

All other non-friable ACM floor coverings and tar sealants, and the exterior stucco grey granular plaster (Trace Chrysotile <0.25%) may remain intact during the demolition process as long as the building and all demolition waste materials are kept wet during demolition and load-out activities per EPA NESHAPS regulations, and no burning of the structure or burning of demolition waste is allowed.

### *Pre-Demolition Abatement Summary*

GHP recommends the following general abatement activities are performed to comply with EPA, OSHA and CDPHE Regulation NO.8:

- Successful bidder will notify CDPHE and acquire Permits. Due to the existing asbestos contamination present within the structure, GAC should apply for “Variances” from CDPHE asking to waive the required two separate layers of 6 mil thick sheet poly on the floors, two separate layers of 4 mil thick sheet poly on the walls and one layer 4 mil thick poly on all ceilings within each



abatement work area (per CDPHE Regulation No. 8) and clean all ceilings, walls and floors post abatement and allow these assemblies to be exposed during aggressive clearances at the end of the work.

- GAC will install "Danger Asbestos" work signs at each entrance to their work areas.
- Due to the damaged and significantly damaged ACMs throughout the structure and tunnel/crawlspace areas, GAC will construct a personnel decontamination unit and a separate waste load out unit tied directly to the abatement work area (per CDPHE Regulation No. 8 Section III.K) prior to entering the structure to begin abatement. GAC will provide all water needed for the project and provide proper disposal of all ACM contaminated water/ ACM waste water generated from the project.
- GAC personnel will be required to don appropriate PPEs whenever entering the structure and from this point forward.
- GAC will create and maintain a minimum -.02 IWC negative air pressure between the abatement work areas and adjacent or outside atmosphere using an appropriate number of HEPA filtered Pressure Differential Units (PDUs). Number of PDUs will be determined in the field by the GAC's Supervisor and will be based on information stated in CDPHE Regulation No. 8 Section III.J.1.
- GAC will remove all ACM ceilings/walls (include ceiling/wall cavity insulations exposed by this abatement) and ACM floor tiles identified inside the Living Quarters (leave only non-friable flooring adhesives) and remove sufficient sections of the main level floor to access/abate all ACM pipe insulation within the underlying tunnels/crawl space and ACM contaminated soils and tunnel surfaces of the Clinic Building.
- Power washing or use of any high pressure water sprayers to remove ACMs or clean abated surfaces is strictly prohibited due to the risk of spreading asbestos contamination to areas adjacent to the work areas.
- GAC will be responsible for their OSHA-required worker exposure monitoring including personal/excursion and outside their work area air sampling including during pre-cleaning activities and throughout abatement operations.
- After abatement is complete and all surfaces have been cleaned, are visually clear of dust/debris and allowed to dry, GHP's AMS will then perform a visual clearance inspection per CDPHE Regulation No. 8. In the event the GAC fails any visual clearance inspections the GAC will thoroughly re-clean the work area prior to requesting subsequent clearance inspections.



- Upon passing a satisfactory visual asbestos clearance inspection of all work areas, GHP will acquire a minimum number of 9 PLM clearance bulk samples taken from the top 1” of soil surfaces within the work areas. The clearance level for all soil clearance bulk samples is no asbestos detected on PLM.
  - Upon passing the visual clearance and soil clearance, GAC may apply post abatement lock down encapsulate to all abated surfaces. Once all work area and containment surfaces are dry, GHP’s AMS will initiate aggressive PCM clearance air sampling as described in CDPHE Regulation No. 8 Section III.P.
  - In the event that any clearance air samples fail, ( $> .01$  f/cc); all subsequent clearance inspections and clearance air sampling and sample analysis costs for services provided by GHP will be the responsibility of the GAC and those costs will be deducted from the GAC’s payment from the Owner.
  - Upon achieving acceptable clearances GAC will follow CDPHE Regulation No. 8 Section III.Q for the removal of critical barriers, (tape, poly, etc. used to seal windows, vents, etc.). All materials will be removed by the GAC and disposed of as ACM.
  - GAC will submit copies of all waste manifests within 2 weeks of project completion.
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Note: To accommodate access/abatement of tunnels/crawlspace areas under the Clinic Building, a significant amount of the main level floor will be removed throughout the Clinic Building and disposed of during the abatement process. Ceilings and walls throughout the Living Quarters will also be removed and disposed of during the abatement process.



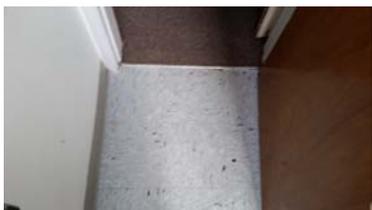
**APPENDIX A**

**BULK ASBESTOS SAMPLE INVENTORY,  
LABORATORY RESULTS AND  
SAMPLE LOCATIONS**

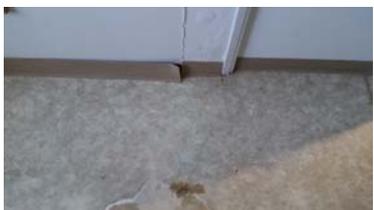
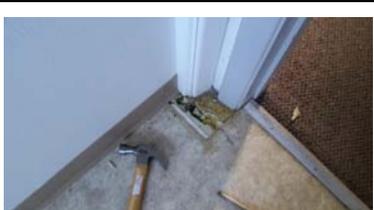


### Asbestos Bulk Sample Log

<b>Project Name:</b>	Pre-Demolition Asbestos Inspection
<b>GHP Project #</b>	11503.24
<b>Project Address:</b>	Highway 159, San Luis, Colorado
<b>Contact / Client:</b>	Alissa Schultz, CDPHE
<b>Building:</b>	San Luis Medical Center
<b>Work Area:</b>	Full Building
<b>Dates:</b>	October 27-28, 2014

Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-01		1	<b>None Detected</b>	Sample acquired from main entrance foyer at middle of east door threshold	<b>Tan Carpet w/ Yellow Mastic</b>
B-11503.24-02		2, 3	<b>3% Chrysotile (Mastic) 15% Chrysotile (Tile)</b>	Sample acquired from main entrance waiting room, 5' south of north wall and 2'9" west of the east wall	<b>9"x9" Yellow Tile w/ Black Mastic under Multicolored Carpet w/ Grey Padding</b>
B-11503.24-03		4	<b>None Detected</b>	Sample acquired from main entrance reception office (a.k.a. "Chart Room") on the south wall, 9'8" west of east wall	<b>4" Dark Blue Cove Base w/ Off-White Adhesive</b>
B-11503.24-05		5	<b>None Detected</b>	Sample acquired from main hallway on north wall, west side of doorway to waiting room	<b>4" Grey Cove Base w/ Tan Adhesive</b>
B-11503.24-06		6	<b>8% Chrysotile (Mastic)</b>	Sample acquired from Ladies' Room in main hallway, at north side of door threshold	<b>12"x12" Light Blue Floor Tile w/ Black Speck Pattern and Black Mastic</b>



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-07		7, 8	<b>None Detected</b>	Sample acquired from “Exam Room” (first room south of main entrance waiting room), on the east wall 4” north of the door	<b>Black Sheet Vinyl under Brown Sheet Vinyl w/ Black Backing</b>
B-11503.24-08		9	<b>25% Chrysotile (Vinyl)</b>	Sample acquired from “Lab” (second room south of main entrance waiting room), 3’6” west of east wall, 2’ south of north wall	<b>Light Tan Sheet Vinyl w/ Yellow Mastic</b>
B-11503.24-09		10	<b>None Detected</b>	Sample acquired from “Lab” (second room south of main entrance waiting room), on the north wall, 3’8” west of east wall	<b>4” Beige Cove Base w/ White Adhesive</b>
B-11503.24-10		11	<b>20% Chrysotile (Mastic) 65% Chrysotile</b>	Sample acquired from “Lab” (second room south of main entrance waiting room), at north side of door frame	<b>Black Mastic under Tan Sheet Vinyl</b>
B-11503.24-12		12, 13	<b>15% Chrysotile (Tile and Mastic)</b>	Sample acquired from storage closet in between Ladies’ and Mens’ restrooms in main hallway, at middle of door threshold	<b>9”x9” Yellow Floor Tile w/ Red Streak Pattern, 9”x9” Tan Tile w/ Black Streak Pattern, and Black Mastic</b>
B-11503.24-13		14	<b>None Detected</b>	Sample acquired from “Treatment Room” (room west of east exit in main hallway), 4’4” south of north wall, 11’ east of west wall	<b>Beige Sheet Vinyl w/ Rock Pattern</b>



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-15		15	<b>None Detected</b>	Sample acquired from main hallway on the west wall, 12'7" south of north entrance to waiting room	<b>Fire Hose</b>
B-11503.24-16		16	<b>None Detected</b>	Sample acquired from "Work Room" (small room in "Exam Room" just north of east exit in main hallway) at middle of door threshold	<b>4"x4" Yellow Flower Patterned Sheet Vinyl w/ White Mastic</b>
B-11503.24-17		17	<b>15% Chrysotile (Tile) 3% Chrysotile (Mastic)</b>	Sample acquired from small closet in "Doctor's Office" (room just south of east exit in main hallway), 1' south of the north wall, 4'6" west of the east wall	<b>9"x9" Light Green Floor Tile w/ Black Mastic</b>
B-11503.24-19		18	<b>25% Chrysotile (Sheet Vinyl)</b>	Sample acquired from "Transfer Room" (at southeast corner of main hallway) at middle of the door threshold	<b>Orange Carpet Mastic and Brown Octagonal Sheet Vinyl under Carpet</b>
B-11503.24-20		19	<b>15% Chrysotile (Mastic)</b>	Sample acquired from dentist hallway, 1' east of door to "Storage/Lab Room"	<b>12"x12" White Floor Tile w/ Black Speck Pattern, Black Mastic, and Floor Leveler</b>
B-11503.24-21		20	<b>7% Chrysotile (Mastic)</b>	Sample acquired from dentist hallway, 1'8" north of south wall, 4' east of west wall, near west bathroom	<b>9"x9" Light Orange Floor Tile w/ Black Mastic</b>



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-23		21, 22	None Detected	Sample acquired from west bathroom in dentist hallway, at south side of doorway	12"x12" White Floor Tile under Off-White 12"x12" Patterned Sheet Vinyl w/ Orange Mastic
B-11503.24-24		23	None Detected	Sample acquired from dentist hallway on south wall, 11' east of west wall	4" Light Brown Cove Base w/ Tan Adhesive
B-11503.24-25		24	None Detected	Sample acquired from southwest dentist office ("Operatory Room"), on north wall, west side of doorframe	4" Grey/Blue Cove Base with Tan/Orange Adhesive
B-11503.24-26		25	None Detected	Sample acquired from west bathroom in dentist hallway on east wall, 3' north of south wall	4" Dark Grey Cove Base with Tan/Orange Adhesive
B-11503.24-27		26	None Detected	Sample acquired from "Dark Room" (first room east of north entrance to dentist hallway), on the east wall, 3' north of south wall	4" Black Cove Base w/ Tan Adhesive
B-11503.24-28		27	None Detected	Sample acquired from restroom in northeast part of dentist hallway, 9' west of east wall, at threshold	White 4"x4" Patterned Sheet Vinyl w/ Tan Adhesive

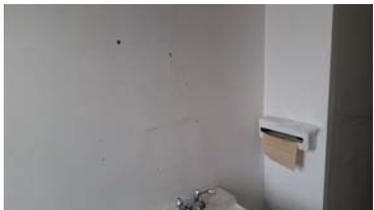


Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-31		28	<b>10% Chrysotile (Tile)</b>	Sample acquired from Living Quarters main hallway, at middle of threshold of entrance to the fireplace room	<b>9"x9" Brown/Light Pink Floor Tile w/ Black Mastic</b>
B-11503.24-32		29	<b>8% Chrysotile (Tile)</b>	Sample acquired from Living Quarters, middle of entrance to small north hallway	<b>9"x9" White w/ Grey Speck Pattern and Black Mastic</b>
B-11503.24-33		30	<b>10% Chrysotile (Tile)</b>	Sample acquired from south end of Living Quarters, in west kitchen/living room, 4'6" north of south wall, 4'6" west of east wall	<b>9"x9" White Floor Tile and Black Mastic</b>
B-11503.24-34		31	<b>None Detected</b>	Sample acquired from main entrance waiting room on south wall, 4'10" above floor and 5'2" west of east wall	<b>Medium Wall Surface Texture on Plaster</b>
B-11503.24-35		31	<b>None Detected</b>	Sample acquired from main entrance foyer on west wall, 4' above floor and 6" north of the south wall	<b>Medium Wall Surface Texture on Plaster</b>
B-11503.24-36		31	<b>None Detected</b>	Sample acquired from main entrance reception office ("Chart Room"), on south wall, 2" above floor and 7'6" west of the east wall	<b>Medium Wall Surface Texture on Plaster</b>



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-37		32	None Detected	Sample acquired from main hallway, 6' above floor on east wall, 5' north of east exit	Hallway Wall Surface Texture
B-11503.24-38		32	None Detected	Sample acquired from main hallway on the west wall, 5'4" above floor and 1' south of door to "Treatment Room" (room just west of east exit)	Hallway Wall Surface Texture
B-11503.24-39		32	None Detected	Sample acquired from main hallway on the east wall, 4'9" above the floor and 11' north south end of hall	Hallway Wall Surface Texture
B-11503.24-40		33	None Detected	Sample acquired from main entrance reception office ("Chart Room"), 6'6" above floor on north wall, 6' west of the east wall	Medium Wall Surface Texture on Gypsum Board
B-11503.24-41		33	None Detected	Sample acquired from "Exam Room" (just north of east exit in main hallway), on the west wall 6'6" above floor and 5' south of north wall	Medium Wall Surface Texture on Gypsum Board
B-11503.24-42		33	None Detected	Sample acquired from main entrance reception office ("Chart Room") on the north wall, 4'8" above floor and 2'6" east of west wall	Medium Wall Surface Texture on Gypsum Board



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-43		34	None Detected	Sample acquired from “Weigh Room” (south room in reception office/ “Chart Room”), 4’3” above floor on the north wall, 3’5” west of east wall	Small Bubble Wall Surface Texture
B-11503.24-44		34	None Detected	Sample acquired from “Exam Room” (first room south of main entrance waiting room), 5’ above floor on south wall, 5’4” east of west wall	Small Bubble Wall Surface Texture
B-11503.24-45		34	None Detected	Sample acquired from “Exam Room” (third room south of main entrance waiting room), 4’6” above floor on the north wall, 2’4” east of west wall	Small Bubble Wall Surface Texture
B-11503.24-46		35	None Detected	Sample acquired from Ladies’ Restroom in main hallway, on the south wall 5’6” above the floor, 4’4” west of the east wall	Smooth Wall Surface Texture
B-11503.24-47		35	None Detected	Sample acquired from “Lab Room” (second room south of main entrance waiting room), 4’ above the floor on the south wall, 2’2” west of the east wall	Smooth Wall Surface Texture
B-11503.24-48		35	None Detected	Sample acquired from “Treatment Room” (just west of east exit in main hallway), 7’4” above the floor on the east wall, 3’6” north of the south wall	Smooth Wall Surface Texture

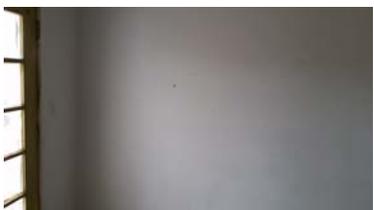


Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-49		36	<b>None Detected</b>	Sample acquired from small "Operatory Room" (inside large Operatory Room in southwest corner of the dentist hallway), on the west wall, 4'8" above the floor at 4'4" north of south wall	<b>White Adhesive on Tan Wallpaper</b>
B-11503.24-50		34	<b>None Detected</b>	Sample acquired from dentist hallway on the south wall, 4'2" above the floor and 10' east of the west wall	<b>Small Bubble Wall Surface Texture</b>
B-11503.24-51		34	<b>None Detected</b>	Sample acquired from dentist hallway on the south wall, 2'6" above the floor and 6'8" west of the east wall	<b>Small Bubble Wall Surface Texture</b>
B-11503.24-52		35	<b>None Detected</b>	Sample acquired from "Dental Office" (second room west of the southeast corner room in dentist hallway), on the west wall, 6'2" above the floor and 6'3" north of the south wall	<b>Smooth Wall Surface Texture</b>
B-11503.24-53		35	<b>None Detected</b>	Sample acquired from "Lab" (room west and adjacent to the southeast corner room in dentist hallway), 4'8" above floor on the east wall, 4' north of south wall	<b>Smooth Wall Surface Texture</b>
B-11503.24-54		37	<b>None Detected</b>	Sample acquired from "Work Office" (southeast corner room in dentist hallway), 4'5" above the floor on the west wall, 7'2" south of north wall	<b>Thick/Heavy Wall Surface Texture</b>



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-55		37	None Detected	Sample acquired from "Work Office" (southeast corner room in dentist hallway), 2'3" above the floor on the north wall, 2' east of the doorframe	Thick/Heavy Wall Surface Texture
B-11503.24-56		37	None Detected	Sample acquired from "Work Office" (southeast corner room in dentist hallway), 2'2" above the floor on the south wall, 1'7" west of the east wall	Thick/Heavy Wall Surface Texture
B-11503.24-57		38	4% Chrysotile (Texture)	Sample acquired from Living Quarters in the southwest bathroom on the west wall, 4'2" above the floor and 2'8" south of north wall	Light/Smooth Wall Surface Texture
B-11503.24-58		38	Sample Not Analyzed	Sample acquired from Living Quarters in the southwest bathroom on the north wall, 5'7" above the floor and 4" east of the doorframe	Light/Smooth Wall Surface Texture, Joint Compound
B-11503.24-59		38	Sample Not Analyzed	Sample acquired from Living Quarters in the southeast bathroom on the east wall, 2' above the floor and 2'6" south of north wall	Light/Smooth Wall Surface Texture, Joint Compound
B-11503.24-60		39	4% Chrysotile (Texture)	Sample acquired from Living Quarters in southeast living room on the east wall, 5'5" above the floor and 1'2" north of south wall	Medium/Wavy Wall Surface Texture

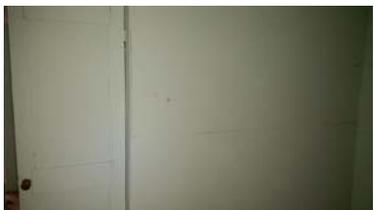
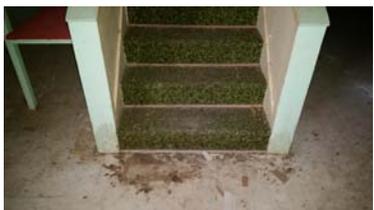


Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-61		39	<b>Sample Not Analyzed</b>	Sample acquired from Living Quarters in fireplace room on the north wall, 1' above the floor and 1'2" west of the east wall	<b>Medium/Wavy Wall Surface Texture</b>
B-11503.24-62		39	<b>Sample Not Analyzed</b>	Sample acquired from Living Quarters in the fireplace room on the south wall, 5' above the floor and 2'6" west of east wall	<b>Medium/Wavy Wall Surface Texture</b>
B-11503.24-63		39	<b>Sample Not Analyzed</b>	Sample acquired from Living Quarters in the small north hallway, on the north wall 6'4" above the floor and 1'4" east of entrance to the north bathroom	<b>Medium/Wavy Wall Surface Texture</b>
B-11503.24-64		39	<b>Sample Not Analyzed</b>	Sample acquired from Living Quarters north hallway, on the south wall, 1'4" above the floor and 5'10" east of the basement entrance	<b>Medium/Wavy Wall Surface Texture</b>
B-11503.24-65		40	<b>None Detected</b>	Sample acquired from main entrance waiting room, on northwest corner of bench on south wall, 1'4" above the floor	<b>Grey Grout/ Adhesive on Ceramic Tile</b>
B-11503.24-66		41	<b>None Detected</b>	Sample acquired from "Exam Room" (first room south of main entrance waiting room), on the south wall doorway to adjacent room, 3' above the floor at west side of door	<b>Blue Adhesive on Styrofoam</b>



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-67		42	<b>None Detected</b>	Sample acquired from “Lab” (room west and adjacent to the southeast corner room in dentist hallway), on the south wall above the sink	<b>Orange Adhesive on Ceramic Tile</b>
B-11503.24-68		43	<b>8% Chrysotile</b>	Sample acquired from Living Quarters southwest living room/kitchen area, from sink on the east wall	<b>White Stainless Steel Sink Undercoating</b>
B-11503.24-69		44	<b>None Detected</b>	Sample acquired from “Transfer Room” (room in southeast corner of main hallway), 1’ south of the north wall and 3’4” east of the west wall	<b>12”x12” Ceiling Tile w/ Dot Pattern</b>
B-11503.24-70		45	<b>6% Chrysotile (Texture)</b>	Sample acquired from Living Quarters fireplace room, 7’10” south of the north wall and 3’6” west of the east wall	<b>Ceiling Surface Texture with Swirl Pattern</b>
B-11503.24-71		45	<b>Sample Not Analyzed</b>	Sample acquired from Living Quarters fireplace room, 7’10” south of the north wall and 6’6” east of the west wall	<b>Ceiling Surface Texture with Swirl Pattern</b>
B-11503.24-72		45	<b>Sample Not Analyzed</b>	Sample acquired from Living Quarters fireplace room, 5’2” south of the north wall and 5’6” east of the west wall	<b>Ceiling Surface Texture with Swirl Pattern</b>



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-73		46	None Detected	Sample acquired from northeast corner bedroom in Living Quarters, above the ceiling, 1' south of the north wall and 1' west of the east wall	Brown Paper Batt Insulation Adhesive
B-11503.24-74		47	None Detected	Sample acquired from northeast corner bedroom in Living Quarters, above the ceiling, 2' south of the north wall and 1' west of the east wall	Silver Batt Insulation Adhesive
B-11503.24-75		48	None Detected	Sample acquired from basement, 2' east of the north side of the stairs	2'x4' Ceiling Tile
B-11503.24-76		49	15% Chrysotile (Tile)	Sample acquired from basement, 14'2" south of the stairs, 18'10" east of the west wall	12'x12' White Floor Tile w/ Grey Speck Pattern and Orange Mastic
B-11503.24-77		50	None Detected	Sample acquired from basement main room, on interior wall 9'4" east of west wall, 4'8" above the floor and 6' north of the south wall	Gypsum Board
B-11503.24-78		51	None Detected	Sample acquired from middle of bottom step on basement stairs	Green Carpet Backing



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-79		52	None Detected	Sample acquired from the roof, 16' south of the north end and 17' 10" east of west end, 3' 6" above rooftop	Tan HVAC Sealant
B-11503.24-80		53	None Detected	Sample acquired from the roof, 13' east of west end, 18' south of north end	Black Vent Penetration Sealant
B-11503.24-81		54	25% Chrysotile	Sample acquired from southwest corner of the chimney on the roof	Black Tar
B-11503.24-82		55	None Detected	Sample acquired from on the roof, on 2'x2' vent near the chimney	Black HVAC Sealant
B-11503.24-83		56	None Detected	Sample acquired from the roof, at east wall above dentist hallway, 5' north of the south end and 1' above rooftop	Black Insulation behind Metal Sheeting
B-11503.24-84		57	None Detected	Sample acquired from the roof above the Living Quarters area, 4' east of west wall, 20' south of north wall	Black Vent Penetration Sealant



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-85		58	None Detected	Sample acquired from roof above Living Quarters area, on the west wall, 2'6" above rooftop at center of wall	Stucco Surfacing Material
B-11503.24-86		58	None Detected	Sample acquired from outside near east exit of main hallway, on north wall, 6' east of door and 1' above ground, at southeast corner of the "Work Room"	Stucco Surfacing Material
B-11503.24-87		58	None Detected	Sample acquired from outside near east exit of main hallway, on the south wall, 3'10" above the ground and 5'3" east of west wall	Stucco Surfacing Material
B-11503.24-88		58	None Detected	Sample acquired from outside at most southeast corner of Living Quarters area, 2' above ground	Stucco Surfacing Material
B-11503.24-89		58	None Detected	Sample acquired from outside south wall, 4' above the ground and 15' west of the south entrance in between dentist hallway and Living Quarters	Stucco Surfacing Material
B-11503.24-90		58	Chrysotile Point Count <0.25	Sample acquired from outside west wall, 5'4" above the ground and 4'6" north of the south end	Stucco Surfacing Material



Sample #	Photo of Tested Material	HA #	Asbestos Lab Results	Sample Location	Layer/ Physical Description
B-11503.24-91		58	<b>None Detected</b>	Sample acquired from outside west wall, 5'6" above the ground and 4' south of main entrance doorway	<b>Stucco Surfacing Material</b>
B-11503.24-92		59	<b>50% Chrysotile</b>	Sample acquired from crawl space in Boiler Room (room accessible from outside near east exit of main hallway), off 2" line 2' west of the opening and 2' above ground	<b>TSI "Air cell"</b>
B-11503.24-93		59	<b>Sample Not Analyzed</b>	Sample acquired from crawl space in Boiler Room (room accessible from outside near east exit of main hallway), 1' north of the opening on 2" line on the ground	<b>TSI "Air cell"</b>
B-11503.24-94		59	<b>Sample Not Analyzed</b>	Sample acquired from crawl space in Boiler Room (room accessible from outside near east exit of main hallway), 3' north of opening on 2" line on the ground	<b>TSI "Air cell"</b>
B-11503.24-95		60	<b>None Detected</b>	Sample acquired from outside on north wall, covering the west crawl space entrance near main entrance waiting room	<b>Shingle/Tar Material</b>

# RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0  
TDH Licensed Laboratory # 30-0136

**TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O. **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Method: **EPA 600/R-93/116 - Short, Bulk**  
 Turnaround: **2 Hour**  
 Date Analyzed: **October 29, 2014**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem-Act=Tremolite-Actinolite

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-01</b>	EM 1286719	A	Tan mastic w/ black foam material	100		<b>ND</b>	2	98
<b>B-11503.24-02</b>	EM 1286720	A	Black mastic	1	<b>Chrysotile</b>	<b>3</b>	TR	97
		B	Light tan mastic w/ light gray fibrous material	6		<b>ND</b>	10	90
		C	Yellow tile	93	<b>Chrysotile</b>	<b>15</b>	0	85
<b>B-11503.24-03</b>	EM 1286721	A	Light blue vinyl material	1		<b>ND</b>	0	100
		B	Off white mastic w/ white paint	99		<b>ND</b>	0	100
<b>B-11503.24-05</b>	EM 1286722	A	White compound	1		<b>ND</b>	0	100
		B	Gray cove base	34		<b>ND</b>	0	100
		C	Light white mastic	65		<b>ND</b>	0	100
<b>B-11503.24-06</b>	EM 1286723	A	Black mastic w/ light brown mastic	3	<b>Chrysotile</b>	<b>8</b>	2	90
		B	Light blue tile	97		<b>ND</b>	0	100

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RES Job Number: **RES 304256-2**  
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 Client Project Number / P.O. **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Method: **EPA 600/R-93/116 - Short, Bulk**  
 Turnaround: **2 Hour**  
 Date Analyzed: **October 29, 2014**

ND=None Detected TR=Trace, <1% Visual Estimate Trem-Act=Tremolite-Actinolite
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)	
					Mineral	Visual Estimate (%)			
<b>B-11503.24-07</b>	EM 1286724	A	Black flooring w/ black felt backing material	35		<b>ND</b>	35	65	
		B	Off white/tan sheet vinyl w/ light tan fibrous backing material & light tan mastic	65		<b>ND</b>	18	82	
<b>B-11503.24-08</b>	EM 1286725	A	Black tar	TR	<b>Chrysotile</b>	<b>2</b>	3	95	
		B	Tan mastic	1		<b>ND</b>	TR	100	
		C	Tan mastic w/ white plaster	2		<b>ND</b>	TR	100	
		D	White resinous material	3		<b>ND</b>	TR	100	
		E	Tan/white sheet vinyl w/ light gray fibrous backing material	12	<b>Chrysotile</b>	<b>25</b>	5	70	
		F	White sheet vinyl w/ white fibrous backing material						
		G	Black flooring w/ black/brown felt backing material	23		<b>ND</b>	20	80	
<b>B-11503.24-09</b>	EM 1286726	A	Light tan mastic	15		<b>ND</b>	0	100	
		B	Light gray cove base	85		<b>ND</b>	0	100	

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NVLAP Lab Code 101896-0  
TDH Licensed Laboratory # 30-0136

**TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O. **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Method: **EPA 600/R-93/116 - Short, Bulk**  
 Turnaround: **2 Hour**  
 Date Analyzed: **October 29, 2014**

ND=None Detected TR=Trace, <1% Visual Estimate Trem-Act=Tremolite-Actinolite
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-10</b>	EM 1286727	A	Black mastic	2	<b>Chrysotile</b>	<b>20</b>	0	80
		B	Light gray fibrous sheet vinyl backing material	8	<b>Chrysotile</b>	<b>65</b>	10	25
		C	Yellow tile	90	<b>Chrysotile</b>	<b>15</b>	0	85
<b>B-11503.24-12</b>	EM 1286728	A	Black mastic	5	<b>Chrysotile</b>	<b>15</b>	0	85
		B	Yellow/light gray/multi-colored tile	95	<b>Chrysotile</b>	<b>15</b>	0	85
<b>B-11503.24-13</b>	EM 1286729	A	White sheet vinyl w/ light tan fibrous backing material	100		<b>ND</b>	12	88
<b>B-11503.24-15</b>	EM 1286730	A	White fibrous material	100		<b>ND</b>	90	10

**TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O. **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Method: **EPA 600/R-93/116 - Short, Bulk**  
 Turnaround: **2 Hour**  
 Date Analyzed: **October 29, 2014**

ND=None Detected  
 TR=Trace, <1% Visual Estimate  
 Trem-Act=Tremolite-Actinolite

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-16</b>	EM 1286731	A	Tan mastic	1		<b>ND</b>	0	100
		B	White sheet vinyl w/ light tan fibrous backing material, tan mastic, & gray plaster	99		<b>ND</b>	15	85
<b>B-11503.24-17</b>	EM 1286732	A	Black mastic	6	<b>Chrysotile</b>	<b>15</b>	TR	85
		B	Light green tile	94	<b>Chrysotile</b>	<b>3</b>	0	97
<b>B-11503.24-19</b>	EM 1286733	A	Tan mastic	4		<b>ND</b>	TR	100
		B	Light tan mastic	5		<b>ND</b>	TR	100
		C	White/brown sheet vinyl w/ light gray fibrous backing material	91	<b>Chrysotile</b>	<b>25</b>	5	70
<b>B-11503.24-20</b>	EM 1286734	A	Brown mastic	1		<b>ND</b>	12	88
		B	Black mastic	7	<b>Chrysotile</b>	<b>15</b>	TR	85
		C	Brown felt	17		<b>ND</b>	65	35
		D	White/gray tile	75		<b>ND</b>	0	100

# RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0  
TDH Licensed Laboratory # 30-0136

## TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O. **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Method: **EPA 600/R-93/116 - Short, Bulk**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)	
					Mineral	Visual Estimate (%)			
<b>B-11503.24-21</b>	EM 1286735	A	Black mastic w/ light tan mastic	3	<b>Chrysotile</b>	<b>7</b>	0	93	
			B	Light tan tile		97	<b>ND</b>	0	100
<b>B-11503.24-23</b>	EM 1286736	A	Tan mastic w/ gray granular plaster	4	<b>ND</b>	<b>ND</b>	0	100	
			B	Tan mastic		6	<b>ND</b>	0	100
			C	White sheet vinyl w/ white foam backing material		40	<b>ND</b>	TR	100
			D	White tile		50	<b>ND</b>	0	100
<b>B-11503.24-24</b>	EM 1286737	A	White mastic	8	<b>ND</b>	<b>ND</b>	0	100	
			B	Beige cove base		92	<b>ND</b>	0	100

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TDH Licensed Laboratory # 30-0136

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RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O. **11503.24**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-25</b>	EM 1286738	A	White resinous material	2		<b>ND</b>	0	100
		B	Tan mastic	8		<b>ND</b>	TR	100
		C	Gray cove base	90		<b>ND</b>	0	100
<b>B-11503.24-26</b>	EM 1286739	A	White paint w/ white compound	3		<b>ND</b>	0	100
		B	Off white mastic	5		<b>ND</b>	0	100
		C	Gray cove base	92		<b>ND</b>	0	100
<b>B-11503.24-27</b>	EM 1286740	A	Off white mastic w/ light green paint & white plaster	36		<b>ND</b>	0	100
		B	Black cove base	64		<b>ND</b>	0	100

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**TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-28</b>	EM 1286741	A	White sheet vinyl w/ white fibrous backing material, tan mastic, & gray granular debris	100		<b>ND</b>	15	85
<b>B-11503.24-31</b>	EM 1286742	A	Black mastic w/ debris	5	<b>Chrysotile</b>	<b>ND</b>	8	92
		B	Tan tile	95		<b>10</b>	0	90
<b>B-11503.24-32</b>	EM 1286743	A	Black mastic	6	<b>Chrysotile</b>	<b>ND</b>	2	98
		B	White tile	94		<b>8</b>	0	92
<b>B-11503.24-33</b>	EM 1286744	A	Black mastic	3	<b>Chrysotile</b>	<b>ND</b>	3	97
		B	White tile	97		<b>10</b>	0	90

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 Client: **Gobbell Hays Partners, Inc. (CO)**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)	
					Mineral	Visual Estimate (%)			
<b>B-11503.24-34</b>	EM 1286745	A	White texture w/ white paint	10		<b>ND</b>	0	100	
			B	White plaster w/ white/multi-layered paint	25		<b>ND</b>	0	100
			C	Off white granular plaster	65		<b>ND</b>	0	100
<b>B-11503.24-35</b>	EM 1286746	A	White/yellow/multi-layered paint w/ off white granular plaster	100		<b>ND</b>	0	100	
<b>B-11503.24-36</b>	EM 1286747	A	Off white granular plaster w/ white/multi-layered paint & yellow resinous material	100		<b>ND</b>	0	100	
<b>B-11503.24-37</b>	EM 1286748	A	White texture w/ white paint	5		<b>ND</b>	0	100	
			B	Off white granular plaster w/ white/multi-layered paint	95		<b>ND</b>	0	100

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RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-38</b>	EM 1286749	A	White texture w/ white paint	20		<b>ND</b>	0	100
			B	Off white granular plaster w/ white/multi-layered paint	80		<b>ND</b>	0
<b>B-11503.24-39</b>	EM 1286750	A	White texture w/ white paint	25		<b>ND</b>	0	100
			B	White perlitic plaster w/ white/light green paint	75		<b>ND</b>	0
<b>B-11503.24-40</b>	EM 1286751	A	White texture w/ white paint	10		<b>ND</b>	0	100
			B	Pink drywall	90		<b>ND</b>	10
<b>B-11503.24-41</b>	EM 1286752	A	White compound w/ pink paint	5		<b>ND</b>	0	100
			B	White drywall	95		<b>ND</b>	20

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RES Job Number: **RES 304256-2**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-42</b>	EM 1286753	A	White texture w/ white paint	15		<b>ND</b>	0	100
			B	Light pink drywall	85		<b>ND</b>	40
<b>B-11503.24-43</b>	EM 1286754	A	White plastic material	5		<b>ND</b>	0	100
			B	Off white granular plaster w/ white/multi-layered paint	95		<b>ND</b>	0
<b>B-11503.24-44</b>	EM 1286755	A	Off white granular plaster w/ bluish white/multi-layered paint	100		<b>ND</b>	0	100
<b>B-11503.24-45</b>	EM 1286756	A	Off white granular plaster w/ bluish white/multi-layered paint	100		<b>ND</b>	TR	100

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RES Job Number: **RES 304256-2**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-46</b>	EM 1286757	A	White plaster w/ white/multi-layered paint	40		<b>ND</b>	0	100
			B	Off white granular plaster	60		<b>ND</b>	0
<b>B-11503.24-47</b>	EM 1286758	A	White plaster w/ white/multi-layered paint	30		<b>ND</b>	0	100
			B	Off white granular plaster	70		<b>ND</b>	0
<b>B-11503.24-48</b>	EM 1286759	A	White plaster w/ bluish white/multi-layered paint	45		<b>ND</b>	0	100
			B	Off white granular plaster	55		<b>ND</b>	0
<b>B-11503.24-49</b>	EM 1286760	A	White wall paper w/ white paint	100		<b>ND</b>	50	50

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RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
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 Client Project Description: **None Given**  
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 Method: **EPA 600/R-93/116 - Short, Bulk**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-50</b>	EM 1286761	A	Off white granular plaster w/ light green paint	100		<b>ND</b>	0	100
<b>B-11503.24-51</b>	EM 1286762	A	Off white granular plaster w/ white/multi-layered paint	100		<b>ND</b>	0	100
<b>B-11503.24-52</b>	EM 1286763	A	White plaster w/ white/multi-layered paint	45		<b>ND</b>	0	100
		B	Off white granular plaster	55		<b>ND</b>	0	100
<b>B-11503.24-53</b>	EM 1286764	A	Off white granular plaster	20		<b>ND</b>	0	100
		B	White plaster w/ white/multi-layered paint	80		<b>ND</b>	0	100
<b>B-11503.24-54</b>	EM 1286765	A	Off white granular plaster	36		<b>ND</b>	0	100
		B	White perlitic texture w/ white paint	64		<b>ND</b>	0	100

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 Date Samples Received: **October 29, 2014**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-55</b>	EM 1286766	A	Off white granular plaster	20		<b>ND</b>	0	100
		B	White perlitic texture w/ white paint	30		<b>ND</b>	0	100
		C	White plaster w/ white/multi-layered paint	50		<b>ND</b>	0	100
<b>B-11503.24-56</b>	EM 1286767	A	Off white granular plaster	15		<b>ND</b>	TR	100
		B	White perlitic texture w/ white paint	85		<b>ND</b>	0	100
<b>B-11503.24-57</b>	EM 1286768	A	White compound	1	<b>Chrysotile</b>	<b>4</b>	1	95
		B	Pink/white paint	2		<b>ND</b>	0	100
		C	Light pink drywall	97		<b>ND</b>	10	90
<b>B-11503.24-58</b>	EM 1286769		Sample Not Analyzed					

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 Date Samples Received: **October 29, 2014**  
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-59</b>	EM 1286770		Sample Not Analyzed					
<b>B-11503.24-60</b>	EM 1286771	A B C	Yellow paint White compound Light pink drywall	1 1 98	<b>Chrysotile</b>	<b>ND</b> <b>4</b> <b>ND</b>	0 2 30	100 94 70
<b>B-11503.24-61</b>	EM 1286772		Sample Not Analyzed					
<b>B-11503.24-62</b>	EM 1286773		Sample Not Analyzed					
<b>B-11503.24-63</b>	EM 1286774		Sample Not Analyzed					

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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-64</b>	EM 1286775		Sample Not Analyzed					
<b>B-11503.24-65</b>	EM 1286776	A	White material w/ white paint	100		<b>ND</b>	0	100
<b>B-11503.24-66</b>	EM 1286777	A	White foam	3		<b>ND</b>	0	100
		B	Light blue resinous material	97		<b>ND</b>	0	100
<b>B-11503.24-67</b>	EM 1286778	A	White grout plaster	3		<b>ND</b>	TR	100
		B	Tan mastic w/ debris	4		<b>ND</b>	TR	100
		C	Light yellow ceramic material	93		<b>ND</b>	0	100
<b>B-11503.24-68</b>	EM 1286779	A	White resinous material	100	<b>Chrysotile</b>	<b>8</b>	0	92

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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-69</b>	EM 1286780	A	Light tan fiberboard ceiling tile w/ white paint	100		<b>ND</b>	80	20
<b>B-11503.24-70</b>	EM 1286781	A	Light pink drywall	10		<b>ND</b>	5	95
		B	White paint	30		<b>ND</b>	0	100
		C	White compound	60	<b>Chrysotile</b>	<b>6</b>	0	94
<b>B-11503.24-71</b>	EM 1286782		Sample Not Analyzed					
<b>B-11503.24-72</b>	EM 1286783		Sample Not Analyzed					
<b>B-11503.24-73</b>	EM 1286784	A	Tan/black tar paper	40		<b>ND</b>	50	50
		B	Gray fibrous material	60		<b>ND</b>	80	20

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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-74</b>	EM 1286785	A	Gray fibrous material	45		<b>ND</b>	80	20
			B	Tan/black tar paper w/ silver foil cover	55		<b>ND</b>	40
<b>B-11503.24-75</b>	EM 1286786	A	White textured plastic material w/ tan adhesive	12		<b>ND</b>	2	98
			B	White fibrous material	88		<b>ND</b>	80
<b>B-11503.24-76</b>	EM 1286787	A	Tan mastic	8		<b>ND</b>	TR	100
			B	White tile	92	<b>Chrysotile</b>	<b>15</b>	0
<b>B-11503.24-77</b>	EM 1286788	A	White/gray drywall w/ white/light green paint	100		<b>ND</b>	50	50

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 Turnaround: **2 Hour**  
 Date Analyzed: **October 29, 2014**

ND=None Detected TR=Trace, <1% Visual Estimate Trem-Act=Tremolite-Actinolite
--

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-78</b>	EM 1286789	A	White/yellow carpet material	3		<b>ND</b>	20	80
			B	Dark gray foam backing material	97		<b>ND</b>	TR
<b>B-11503.24-79</b>	EM 1286790	A	Silver resinous material	100		<b>ND</b>	0	100
<b>B-11503.24-80</b>	EM 1286791	A	Black rubber material	100		<b>ND</b>	0	100
<b>B-11503.24-81</b>	EM 1286792	A	Black fibrous tar	100	<b>Chrysotile</b>	<b>25</b>	0	75
<b>B-11503.24-82</b>	EM 1286793	A	Black rubber material	100		<b>ND</b>	0	100

# RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0  
TDH Licensed Laboratory # 30-0136

**TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O. **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Method: **EPA 600/R-93/116 - Short, Bulk**  
 Turnaround: **2 Hour**  
 Date Analyzed: **October 29, 2014**

ND=None Detected TR=Trace, <1% Visual Estimate Trem-Act=Tremolite-Actinolite
--

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
<b>B-11503.24-83</b>	EM 1286794	A	Black resinous tar w/ black plastic material	100		<b>ND</b>	0	100
<b>B-11503.24-84</b>	EM 1286795	A	Black resinous material	100		<b>ND</b>	0	100
<b>B-11503.24-85</b>	EM 1286796	A	White granular plaster w/ white paint	30		<b>ND</b>	0	100
		B	Gray granular plaster	70		<b>ND</b>	0	100
<b>B-11503.24-86</b>	EM 1286797	A	White granular plaster w/ white paint	45		<b>ND</b>	TR	100
		B	Gray granular plaster	55		<b>ND</b>	TR	100
<b>B-11503.24-87</b>	EM 1286798	A	White material w/ white paint	20		<b>ND</b>	0	100
		B	Light gray granular plaster	80		<b>ND</b>	0	100

# RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0  
TDH Licensed Laboratory # 30-0136

**TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O. **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Method: **EPA 600/R-93/116 - Short, Bulk**  
 Turnaround: **2 Hour**  
 Date Analyzed: **October 29, 2014**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem-Act=Tremolite-Actinolite

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)	
					Mineral	Visual Estimate (%)			
<b>B-11503.24-88</b>	EM 1286799	A	Gray cinder plaster	8		ND	TR	100	
			B	White granular plaster w/ white paint	12		ND	0	100
			C	Gray granular plaster	80		ND	0	100
<b>B-11503.24-89</b>	EM 1286800	A	White material w/ white paint	8		ND	0	100	
			B	Light gray granular plaster	92		ND	0	100
<b>B-11503.24-90</b>	EM 1286801	A	Light gray granular plaster w/ white paint	100	<b>Chrysotile Point Count:</b>	TR <0.25	0	100	
<b>B-11503.24-91</b>	EM 1286802	A	Off white granular plaster w/ white paint	100		ND	TR	100	

# RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0  
TDH Licensed Laboratory # 30-0136

**TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME**

RES Job Number: **RES 304256-2**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O. **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Method: **EPA 600/R-93/116 - Short, Bulk**  
 Turnaround: **2 Hour**  
 Date Analyzed: **October 29, 2014**

ND=None Detected  
 TR=Trace, <1% Visual Estimate  
 Trem-Act=Tremolite-Actinolite

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
B-11503.24-92	EM 1286803	A	Black felt	10	Chrysotile	50	10	40
			Tan multi-layered fibrous material	90	Chrysotile	TR		
B-11503.24-93	EM 1286804		Sample Not Analyzed					
B-11503.24-94	EM 1286805		Sample Not Analyzed					
B-11503.24-95	EM 1286806	A	White shingle	100		ND	25	75

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

Analyzed by:   
Michael Scales

Data QA:   
Gina Vettrano

Due Date: 10-29-14  
 Due Time: 110pm

**REILAB Reservoirs Environmental, Inc.**

Jo RES 304256  
 Pays

5801 Logan St. Denver, CO 80216 • Ph: 303-954-1966 • Fax: 303-477-4275 • Toll Free: 866-RES-ENV  
 After Hours Cell Phone: 720-339-9228

INVOICE TO: (IF DIFFERENT)

CONTACT INFORMATION:

Company: **GHR**      Contact: **Jaden Anderson**  
 Address:      Phone: **303-727-0499**  
 Address:      Fax:      Cell/pager:      Cell/pager:

Project Number and/or P.O. #: **11503.24**  
 Project Description/Location: **J Anderson @ghel.com, SRAUSSARD@ghel.com**

REQUESTED ANALYSIS		VALID MATRIX CODES		LAB NOTES:	
ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm		Air = A	Bulk = B		
PLM / PCM / TEM <input checked="" type="checkbox"/> RUSH (Same Day) <input type="checkbox"/> PRIORITY (Next Day) <input type="checkbox"/> STANDARD (3-5 Day)	(Rush PCM = 2hr, TEM = 6hr.)	Dust = D	Paint = P		
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm		Soil = S	Wipe = W		
Metal(s) / Dust**	RUSH 24 hr. 3-5 Day	Swab = SW	F = Food		
RCRA 8 / Metals & Welding	RUSH (3 Day) 5 Day 10 Day	Drinking Water = DW	Waste Water = WW		
Fume Scan / TCLP**	24 hr. 3 day 5 Day	C = Other			
Organics	24 hr. 3 day 5 Day	**ASTM E1752 approved wipe media only**			
MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm					
E.coli and/or Coliforms* 24-48 Hour	Other:				
Pathogens* 24-48 Hour					
Microbial Growth* 5-10 Day	*TAT dependent on speed of microbial growth.*				
Legionella 10 Day					
Mold RUSH 24 hr. 48 hr. 3 Day 5 Day					
*Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.**					
Special Instructions:					

Client sample ID number	(Sample ID's must be unique)	PLM - Short report, Point Count, Long report, Qualitative	TEM - AHERA, Level II, 7402, ISO, +/- (Air, Bulk or Dust), Quant, Semi-Quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s)	RCRA 8, TCLP, Welding Fume, Metals Scan, pH	ORGANICS - METH, TSS	Pathogens: Aerobic Plate Count, Salmonella, E.coli O157:H7, Listeria, S.aureus, Campylobacter +/- or Quantification	E.coli and/or Coliforms: +/- or Quantification	Microbial Growth: Aerobic Plate Count ID, Bacteria or Y & M +/- or Quantification	Legionella +/- or Quantification	Other Bioterror, Lab or Environmental	Mold: Spore Trap or Bulk +/-, Identification, Quantification	SAMPLER'S INITIALS OR OTHER NOTES:	Sample Volume (L) / Area	Matrix Code	Date Collected (month/day)	Time Collected (hh:mm ap)	EM Number (Laboratory Use Only)
1	B-11503.24-01	X																		1286719
2	02																			20
3	03																			1
4	05																			2
5	06																			3
6	07																			4
7	08																			5
8	09																			6
9	10																			7
10	12																			8

Number of samples received: **88** (Additional samples shall be listed on attached long form.)

NOTE: REI will analyze incoming samples unless noted otherwise. For samples received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody form constitutes an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By: *[Signature]* Date/Time: **10/29/14 11:05**  
 Laboratory Use Only  
 Received By: **Ewsa Mw** Date/Time: **10-29-14 11:10** Carrier: **FedEx / UPS / USPS / Drop Box / Courier**  
 Results: Contact Phone Email Fax Date Time Initials  
 Contact Phone Email Fax Date Time Initials

RES Job # 304256

Page 2 of 4

Submitted by: Adam Anderson GFR

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Long report, Point Count	TEM - AHERA Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	Pathogens: Aerobic Plate Count, Salmonella, E. coli O157:H7, Listeria, S. aureus, Campylobacter, +/- or Quantification	E. coli and/or Coliforms: +/- or Quantification	Microbial Growth: Aerobic Plate Count ID, Bacteria or Y & M: +/- or Quantification	Legionella +/- or Quantification	Other: Bioterror, LAL or Environmental	Mold: Spore Trap or Bulk: +/- or Quantification	SAMPLER'S INITIALS OR OTHER NOTES:	REQUESTED ANALYSIS	VALID MATRIX CODES	LAB NOTES:	
11															Air = A Bulk = B Dust = D Paint = P Soil = S Wipe = W Swab = SW Drinking Water = DW Waste Water = WW O = Other		
12																	
13																	
14																	
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Project Name	Sheet #	File Sec.	Initials	 GOBBELL HAYS PARTNERS, INC.
Project Description				
			Job No.	Date

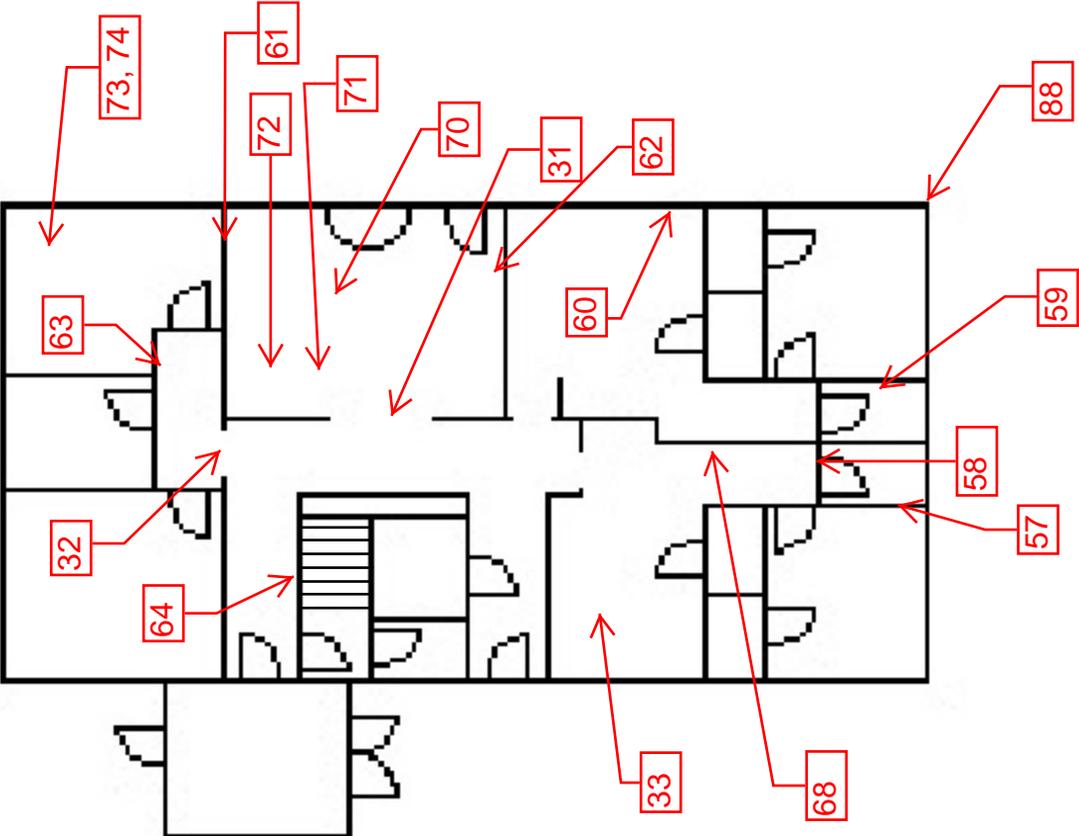
## Progressive Sampling

- 34, 35, 36
- 37, 38, 39
- 40, 41, 42
- 43, 44, 45, 50, 51
- 46, 47, 48, 52, 53
- 54, 55, 56
- 57, 58, 59
- 60, 61, 62, 63, 64
- 70, 71, 72
- 85, 86, 87, 88, 89, 90, 91
- 92, 93, 94

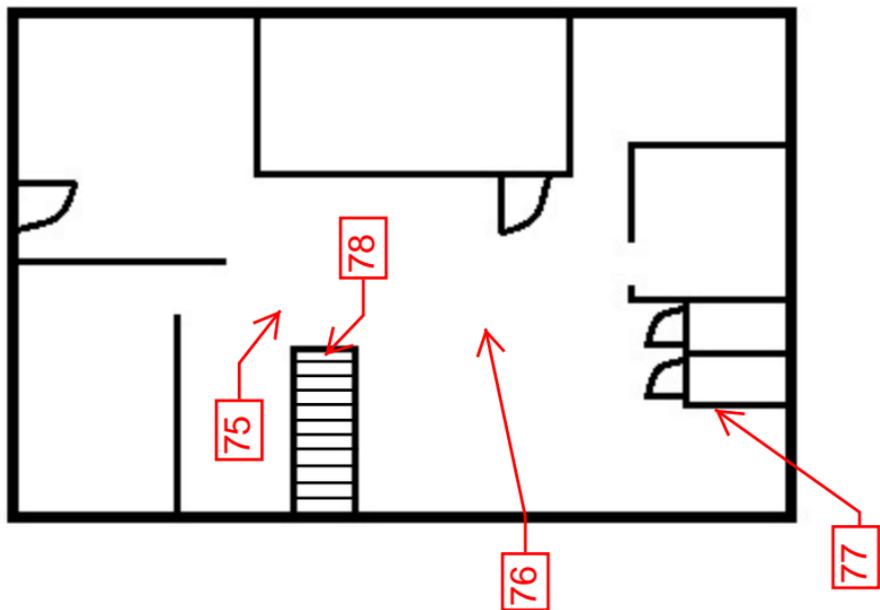


Living Quarters Asbestos Samples

← N



## Basement Asbestos Samples



← N



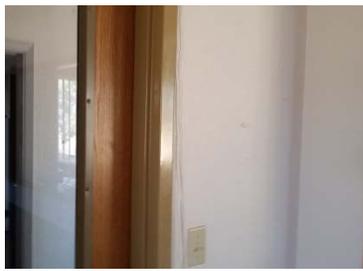
## **APPENDIX B**

# **OSHA LEAD PAINT SCREEN SAMPLE INVENTORY, LABORATORY RESULTS AND SAMPLE LOCATIONS**

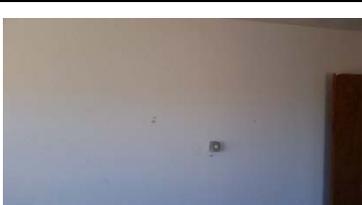


### Lead Bulk Sample Log

<b>Project Name:</b>	Pre-Demolition Lead Inspection
<b>GHP Project #</b>	11503.24
<b>Project Address:</b>	Highway 159, San Luis, Colorado
<b>Contact / Client:</b>	Alissa Schultz, CDPHE
<b>Building:</b>	San Luis Medical Center
<b>Work Area:</b>	Full Building
<b>Date(s):</b>	October 28, 2014

Sample #	Photo of Tested Material	Lead Concentration (%)	Sample Location
L-11503.24-01		<b>BRL</b>	Sample of white paint acquired from south wall in main entrance waiting room, 4'8" above the floor and 15' east of west wall
L-11503.24-02		<b>0.010</b>	Sample of grey paint acquired from main entrance waiting room on south door to main hallway, east side of doorframe and 6'4" above the floor
L-11503.24-03		<b>Lead Absent</b>	Sample of light brown paint acquired from west side of doorframe to main entrance reception office ("Chart Room"), 5'7" above the floor
L-11503.24-04		<b>0.012</b>	Sample of dark pink paint acquired from west side of doorframe to "Exam Room" (room north of east exit in main hallway), 4'8" above floor



L-11503.24-05		<b>BRL</b>	Sample of light blue paint acquired from “Treatment Room” (room directly west of east exit in main hallway), on the south wall, 4” east of north door of the closet, 5’ above the floor
L-11503.24-06		<b>BRL</b>	Sample of grey/blue paint acquired from west wall of “Storage/Lab Room” (in southwest corner of the main hallway), 2’9” above the floor and 6’ north of the south wall
L-11503.24-07		<b>0.068</b>	Sample of black paint acquired from the “Dark Room” (first room east of north entrance to dentist hallway), 3’7” north of the south wall and 5’ above the floor
L-11503.24-08		<b>0.012</b>	Sample of light green paint acquired from the basement on the pole just east of the stairs
L-11503.24-09		<b>0.30</b>	Sample of blue paint acquired from Living Quarters north bathroom, on the west wall, 5’4” above the floor and 7” north of the south wall
L-11503.24-10		<b>0.19</b>	Sample of light pink paint acquired from the most northeast room in Living Quarters, on the south wall, 7’ west of the east wall and 5’7” above the floor
L-11503.24-11		<b>0.011</b>	Sample of yellow paint acquired from Living Quarters southwest living room, on the north wall, 4’6” above the floor and 9’ east of the west wall



L-11503.24-12		<b>0.93</b>	Sample of pink paint acquired from southwest bathroom in Living Quarters, on the west side of the door frame, 4' above the floor
L-11503.24-13		<b>0.0050</b>	Sample of white paint acquired from the west stucco wall outside, 4'6" above the ground at north side of the main entrance
L-11503.24-14		<b>0.075</b>	Sample of red paint acquired from window just south of the main entrance outside, from the bricks at bottom of the window
L-11503.24-15		<b>0.038</b>	Sample of black paint acquired from west railing outside main entrance, 8' south of door



October 29, 2014

**Laboratory Code:** RES  
**Subcontract Number:** NA  
**Laboratory Report:** RES 304252-1  
**Project # / PO #:** 11503.24  
**Project Description:** None Given

Wade Anderson  
Gobbell Hays Partners, Inc. (CO)  
10500 E. 54th Avenue, Suite J  
Denver CO 80239

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the American Industrial Hygiene Association, Lab ID 101533 - Accreditation Certificate #480. The laboratory is currently proficient in both IHPAT & ELPAT programs respectively.

Reservoirs has analyzed the following sample(s) using Atomic Absorption Spectroscopy (AAS) / Atomic Emission Spectroscopy - Inductively Coupled Plasma (AES-ICP) per your request. Reported sample results were not blank corrected. The analysis has been completed in general accordance with the appropriate methodology as stated in the analysis table. Results have been sent to your office.

**RES 304252-1** is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those authorized by the client. The results described in this report only apply to the samples analyzed. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you should have any questions about this report, please feel free to call me at 303-964-1986.

Sincerely,

A handwritten signature in blue ink that reads "Jeanne Spencer".

Jeanne Spencer  
President

## RESERVOIRS ENVIRONMENTAL, INC.

**5801 Logan St., Suite 100  
Denver CO 80216**

**TABLE ANALYSIS: LEAD IN PAINT**

RES Job Number: **RES 304252-1**  
 Client: **Gobbell Hays Partners, Inc. (CO)**  
 Client Project Number / P.O.: **11503.24**  
 Client Project Description: **None Given**  
 Date Samples Received: **October 29, 2014**  
 Analysis Type: **USEPA SW846 3050B / AA (7420)**  
 Turnaround: **6 Hour**  
 Date Samples Analyzed: **October 29, 2014**

Client ID Number	Lab ID Number	Reporting Limit (%)	LEAD CONCENTRATION (%)
L-11503.24-01	EM 1286698	0.0038	BRL
L-11503.24-02	EM 1286699	0.0035	0.010
L-11503.24-03	EM 1286700	** Lead Absent	
L-11503.24-04	EM 1286701	0.0032	0.012
L-11503.24-05	EM 1286702	0.0050	BRL
L-11503.24-06	EM 1286703	0.0037	BRL
L-11503.24-07	EM 1286704	0.0051	0.068
L-11503.24-08	EM 1286705	0.0033	0.012
L-11503.24-09	EM 1286706	0.0045	0.30
L-11503.24-10	EM 1286707	0.0038	0.19
L-11503.24-11	EM 1286708	0.0025	0.011
L-11503.24-12	EM 1286709	0.010	0.93
L-11503.24-13	EM 1286710	0.0026	0.0050
L-11503.24-14	EM 1286711	0.0048	0.075
L-11503.24-15	EM 1286712	0.016	0.038

**\* Unless otherwise noted all quality control samples performed within specifications established by the laboratory.**

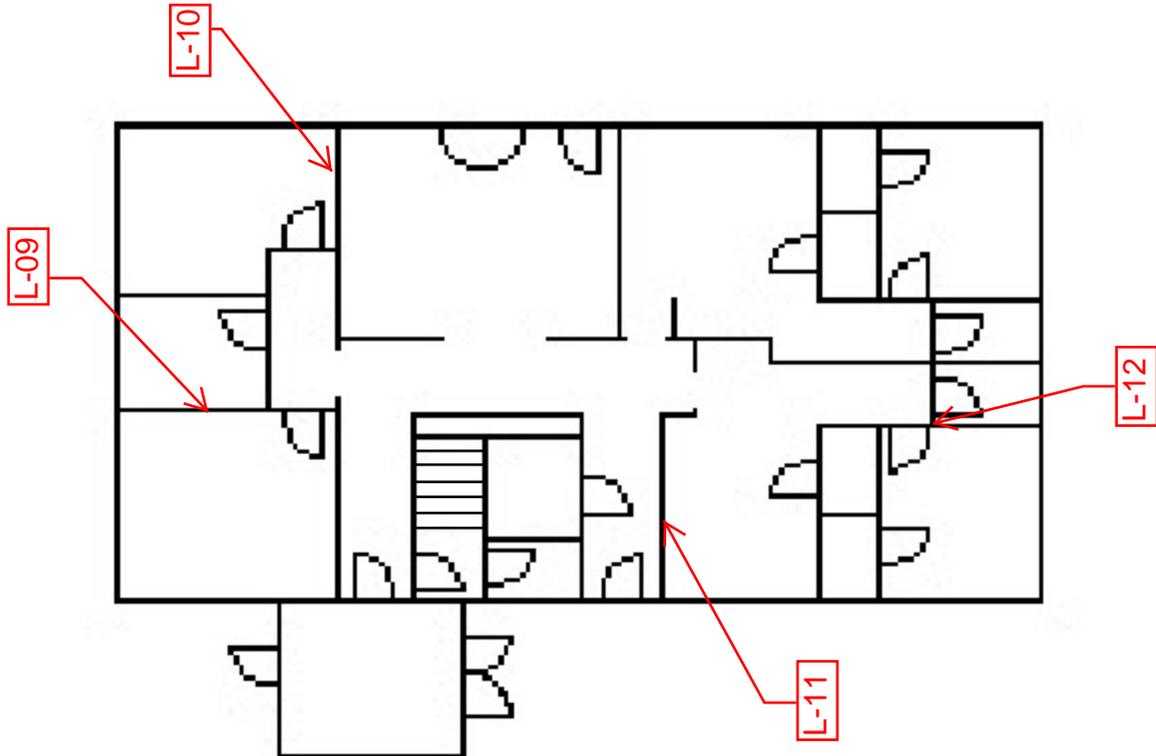


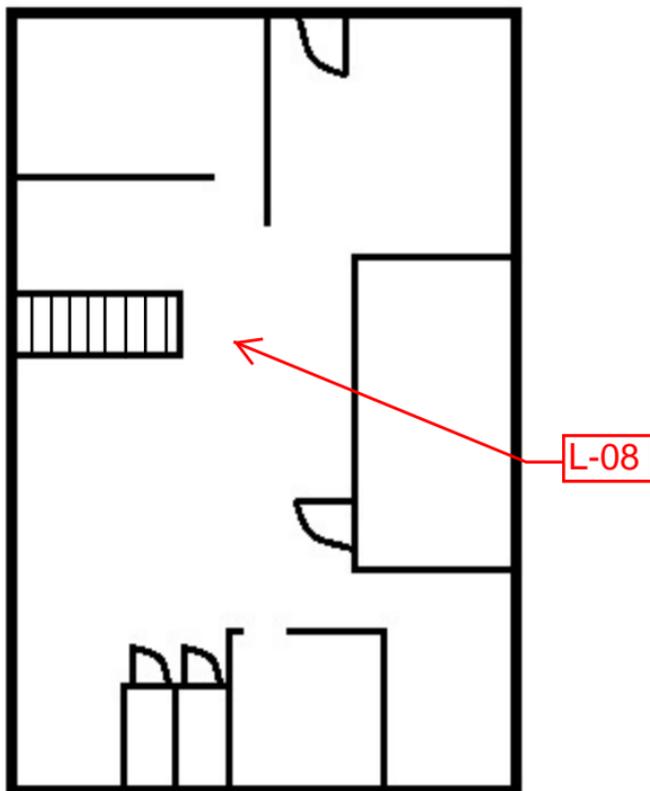




# Living Quarters Lead Samples

← Z





Basement Lead Samples