

HAZARDOUS MATERIALS ASSESSMENT  
REPORT FOR ROCKY MOUNTAIN NATIONAL  
PARK, FALL RIVER ENTRANCE STATION,  
ESTES PARK, COLORADO

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# CONTENTS

EXECUTIVE SUMMARY.....	A
ASBESTOS.....	A
REGULATED BUILDING MATERIALS.....	B
LEAD.....	C
BIOLOGICAL HAZARDS.....	E
1.0 INTRODUCTION.....	1-1
1.1 PURPOSE.....	1-1
1.2 SITE DESCRIPTION.....	1-2
1.3 REPORT ORGANIZATION.....	1-2
2.0 ASBESTOS.....	2-1
2.1 REGULATORY CRITERIA.....	2-1
2.2 TECHNICAL APPROACH.....	2-2
2.3 LABORATORY ANALYSIS.....	2-3
3.0 REGULATED BUILDING MATERIALS.....	3-1
3.1 REGULATORY CRITERIA.....	3-1
3.2 TECHNICAL APPROACH.....	3-1
4.0 LEAD-BASED PAINT AND SOIL SURVEY.....	4-1
4.1 REGULATORY CRITERIA.....	4-1
4.2 TECHNICAL APPROACH.....	4-2
4.3 LABORATORY ANALYSIS.....	4-3
5.0 BIOLOGICAL HAZARDS.....	5-1
6.0 FINDINGS.....	6-1
6.1 KIOSK 1.....	6-1
6.2 KIOSK 2.....	6-2
6.3 KIOSK 3.....	6-3
6.4 OFFICE.....	6-4
7.0 CONCLUSIONS AND RECOMMENDATIONS.....	7-1
7.1 ASBESTOS.....	7-1
7.2 REGULATED BUILDING MATERIALS.....	7-1
7.3 LEAD.....	7-2
7.4 BIOLOGICAL HAZARDS.....	7-2
8.0 LIMITATIONS.....	8-1

9.0	ENDORSEMENTS .....	9-1
10.0	ACRONYMS .....	10-1
11.0	REFERENCES .....	11-1

FIGURES

FIGURE 1	SITE OVERVIEW MAP
FIGURE 2	KIOSK 1 – ASBESTOS BULK SAMPLING LOCATIONS
FIGURE 3	KIOSK 1 – LEAD PAINT SCREENING LOCATIONS
FIGURE 4	KIOSK 2 – ASBESTOS BULK SAMPLING LOCATIONS
FIGURE 5	KIOSK 2 – LEAD PAINT SCREENING LOCATIONS
FIGURE 6	KIOSK 3 – ASBESTOS BULK SAMPLING LOCATIONS
FIGURE 7	KIOSK 3 – LEAD PAINT SCREENING LOCATIONS
FIGURE 8	OFFICE – ASBESTOS-CONTAINING MATERIALS LOCATIONS
FIGURE 9	OFFICE – ASBESTOS BULK SAMPLING LOCATIONS
FIGURE 10	OFFICE – LEAD PAINT SCREENING LOCATIONS

APPENDICES

APPENDIX A	KIOSK 1
APPENDIX B	KIOSK 2
APPENDIX C	KIOSK 3
APPENDIX D	OFFICE
APPENDIX E	NPS - HANTAVIRUS RISK REDUCTION WORKER PROTECTION
APPENDIX F	CERTIFICATIONS

## EXECUTIVE SUMMARY

Landmark Environmental, Inc. (Landmark) was retained by Anderson Hallas Architects, PC (Client) to conduct a Hazardous Materials Assessment inclusive of asbestos-containing materials (ACM), regulated building materials (RBM), lead-based paint (LBP), and biological hazards for the Fall River Entrance Station buildings at Rocky Mountain National Park (ROMO) in Estes Park, Larimer County, Colorado (Project Site).

The purpose of this assessment was to identify and quantify ACM, RBM, LBP, and biological hazards that must be managed during the demolition of the structures and in support of Pre-Design and Schematic Design Services for the demolition project.

The fieldwork activities for this assessment were conducted on January 11, 12, and 31, 2022.

### Asbestos

The asbestos assessment services were performed to identify the presence, location, quantity, friability, and condition of ACMs for the four structures located on the Project Site.

ACMs were identified in the four structures, as shown below.

#### Kiosk 1:

- No ACM identified.

#### Kiosk 2:

- No ACM identified.

#### Kiosk 3:

- No ACM identified.

#### Office:

- Floor tile (FTC01): 9-inch by 9-inch tan mottled floor tiles were found to contain between 3 and 5% chrysotile asbestos by Polarized Light Microscopy (PLM) analysis. Approximately 148 square feet of the material was observed. The associated black mastic was identified to be none detect for

asbestos via PLM. The FTC01 material is a Category I non-friable material.

### Asbestos Summary

The Office building structure contains non-friable Category I ACM that will be impacted during planned demolition activities. This non-friable ACM must be properly abated to avoid disturbing this flooring material during the demolition activities.

This assessment was inclusive of the accessible portions of the Project Site, which included three kiosk structures (Kiosk 1, Kiosk 2, and Kiosk 3) and one office building (Office) for a total of four structures. An intrusive investigation, including exploratory demolition of chases, soffits, enclosures, etc., was performed to the extent practicable due to the Project Site being occupied/in operation as a toll booth and park entrance station. Landmark's field inspectors did investigate the wall and roof cavity areas with pre-existing damage where the building materials were already exposed. The field inspector also cut an opening into the wall in the office bathroom behind the toilet and sink, and similar openings were cut into the ceilings of the Office and Kiosk 2. Should any unforeseen suspect building materials be encountered during the eventual demolition, then the demolition work must be stopped, and suspect materials need to be sampled and tested for asbestos to characterize them prior to disturbance or presumed to be ACM and abated.

Before any renovation or demolition work activities in a public or commercial building, which may disturb greater than 160 square feet, 260 linear feet, or the equivalent of a 55-gallon drum of friable material or non-friable ACM, which may become friable during the renovation or demolition activities, ACMs must be removed in accordance with all applicable U.S. Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) regulations.

### Regulated Building Materials

Landmark also completed an inventory for RBMs during the assessment of the Project Site. The RBMs were identified as shown below.

#### Kiosk 1:

- Computer equipment (one desktop computer, a cash register, receipt printer, and security cameras), fluorescent light tubes (mercury-containing), and light ballasts (likely to contain Polychlorinated Biphenyls [PCBs]).

Kiosk 2:

- Computer equipment (one desktop computer, a cash register, receipt printer, and security cameras), fluorescent light tubes (mercury-containing), and light ballasts (likely to contain PCBs).

Kiosk 3:

- Computer equipment (one desktop computer, a cash register, receipt printer, and security cameras), fluorescent light tubes (mercury-containing), and light ballasts (likely to contain PCBs).

Office:

- Fire extinguisher, computer equipment (two desktop computers, desktop printers, security cameras, etc.), refrigerants associated with a small office refrigerator, a smoke detector, and fluorescent light tubes (mercury-containing).

These RBMs have specific management and handling requirements that must be considered prior to the demolition activities if they will be impacted. Management techniques include removal, disposal, recycling, and/or reuse.

## Lead

Landmark tested representative sample locations of various painted materials on the interior and exterior of the structures. Areas of exposed soil adjacent to typical painted external building surfaces (e.g., window frames, trim and siding, soffits and fascia boards, etc.), where accessible, were also visually inspected for paint chips. This effort was impacted by recent snowfall obscuring the ground surface, so the visual assessment of the soil was limited. In addition, representative composited soil samples were collected from perimeters of the Kiosk 3 and Office buildings and analyzed for total lead content. The sampling strategy consisted of collecting a composite sample from the drip line of the buildings. LBP, lead-containing paint (LCP), or lead in soils were identified as shown below.

Kiosk 1:

- White paint on the interior wooden door frame is LCP.
- Light green paint on the interior wooden walls is LCP.
- Bright white paint on the interior wood window frames and interior wooden desk drawers is LCP.

- Tan paint on the exterior wooden wall framing and wooden roof framing is LCP.
- Dark brown paint on an exterior wood door, exterior wooden façade walls, and wooden roof soffit is LCP.
- Brown paint on an exterior wooden window board is LBP.

Kiosk 2:

- Dark tan paint on an exterior wooden door frame, exterior wooden window frames, exterior wall framing, and roof framing is LCP.
- Dark brown paint on an exterior wood door, exterior wooden façade walls, a wood door threshold, and the wooden roof soffit is LCP.
- Brown paint on an exterior wooden window board is LBP.
- Bright white paint on an interior wooden door, an interior wood door frame, interior wooden walls, interior wooden windowsills, interior wood desk drawers, and on the interior wood ceiling is LCP.

Kiosk 3:

- Brown paint on an exterior wooden window board is LBP.
- Dark tan paint on exterior wooden wall framing, wooden roof framing, and an exterior wood door frame is LCP.
- Dark brown paint on exterior wood façade walls, an exterior door frame, an exterior door, a wooden threshold, and roof soffit is LCP.
- Dark brown paint on an interior concrete baseboard is LCP.
- Bright white paint on interior wooden walls, interior wood window frames, an interior wood door, an interior wood ceiling, and wooden desk drawers is LCP.

Office:

- Bright white paint on interior wooden windowsills and interior wood vault framing is LCP.

- Light green paint on interior wooden walls is LCP.
- Tan paint on exterior wall framing, exterior wooden windowsills, wood roof framing, and exterior wooden window framing is LCP.
- Dark brown paint on the exterior wood doors, exterior wooden façade walls, and window frames is LCP.
- Dark brown paint on the exterior wooden roof soffit is LBP.

Renovation or demolition activities that will impact LBP and LCP will require Occupational Health and Safety Administration (OSHA)-trained workers and safety programs. Personal protective equipment (PPE), including respiratory protection, will be required to handle these items until negative exposure assessments are completed that show work activities do not result in exposures above the OSHA Permissible Exposure Limit (PEL). In addition, an appropriate waste management plan should be developed for the disposal of the LBP and LCP materials.

Lead soil samples were collected from the drip line surrounding Kiosk 3 and Office building structures with LBP on the exterior. The Kiosk 1 and Kiosk 2 buildings also had LBP on the exterior, but their buildings were completely surrounded by road asphalt with no available soil at the dripline areas to sample. No lead soil samples exceeded EPA residential screening limits, and no further action is required for soil.

### Biological Hazards

Landmark's field inspector also conducted a limited visual biological hazards assessment of the Project Site. These observations were primarily limited to rodent or insect infestations, water intrusion, or visual evidence of mold growth throughout the structures.

No biological hazards were identified via a walkthrough visual inspection of the accessible portions of the four building structures located at the Project Site. However, it is possible that rodent infestation could be present within the wall and ceiling cavity areas of these buildings. If rodents are encountered during the demolition process, special precautions to avoid Hantavirus exposure of workers will be required.



## 1.0 INTRODUCTION

Landmark Environmental, Inc. (Landmark) was retained by Anderson Hallas Architects, PC (Client) to conduct an asbestos-containing materials (ACM), regulated building materials (RBM), lead-based paint (LBP), and biological hazards assessment for the Fall River Entrance Station at Rocky Mountain National Park (ROMO) in Estes Park, Larimer County, Colorado (Project Site).

This report presents a summary of applicable regulatory criteria, bulk-sampling and laboratory analytical procedures, quality control of the field and laboratory data, ACM, RBM, and LBP tables and assessment findings, and further recommendations. The fieldwork activities for this survey were conducted on January 11, 12, and 31, 2022.

### 1.1 Purpose

The purpose of this assessment was to identify and quantify ACM, RBM, LBP, and biological hazards that must be managed during and prior to any future renovation or demolition of the structures in support of the Construction Documentation Phase for the Project Site.

The purpose of the ACM assessment was to identify the locations, quantify, and define the friability and condition of ACM. The objective of the ACM assessment was to identify and qualify ACM that will require abatement prior to impacts of the material.

The purpose of the RBM assessment was to quantify and identify the general locations of those materials that are required to be removed from the structures during demolition. The objective of the RBM assessment was to identify and quantify materials that will require management prior to the demolition activities.

The purpose of the LBP assessment was to assess and identify LBP prior to renovation or demolition of the structures. The objective of the LBP assessment was to identify the general locations of the lead-containing paint (LCP)/LBP materials required to be managed during renovation activities.

The purpose of the biological hazards assessment was to identify evidence of rodent and insect intrusion, moisture infiltration, and any potential mold growth. The objective of the biological hazard assessment was to identify conditions that could pose safety and health risks to workers or future occupants of the buildings, which should be addressed during renovations.

## 1.2 Site Description

The Fall River Entrance Station area is located within ROMO in Estes Park, Larimer County, Colorado. This assessment was inclusive of four buildings at the Fall River Entrance Station area that were constructed sometime in the 1960s, including Kiosk 1, Kiosk 2, Kiosk 3, and the Office.

## 1.3 Report Organization

This report presents the general findings of assessment and sampling efforts for the Project Site. Further detailed information is provided in Appendixes A through D, by structure. Each structure-specific appendix includes, as applicable, the following items:

- Homogeneous Materials Summary
- Asbestos Laboratory Analytical Report
- Asbestos/Non-Asbestos Summary Tables (if applicable)
- Lead Paint Data Summary Table
- Lead Soil Sample Summary Table (if applicable)
- Lead Soil Laboratory Analytical Report (if applicable)
- RBM Summary Table
- Photograph Log

Additionally, Appendix E includes the National Park Service (NPS) Hantavirus Risk Reduction Worker Protection document from December 2013. Landmark and individual inspector certifications are included in Appendix F.

## 2.0 ASBESTOS

The asbestos regulatory criteria, technical approach, laboratory analysis, and findings are discussed below.

### 2.1 Regulatory Criteria

Asbestos is a naturally occurring fibrous mineral that was historically used in thousands of construction and commercial applications due to its properties of tensile strength, heat resistance, non-conductivity, and acoustical absorption. Asbestos is a confirmed human carcinogen that can cause diseases such as asbestosis, lung cancer, and mesothelioma; therefore, asbestos is regulated by the U.S. Environmental Protection Agency (EPA), Occupational Health and Safety Administration (OSHA), and the Colorado Department of Public Health and Environment (CDPHE). This brief overview of certain applicable asbestos regulatory criteria is general and for informational purposes only. Asbestos is one of the most widely regulated environmental substances and for specific requirements, refer to the applicable statutes and regulations identified in Section 11 (References).

In general, removal of ACM is not required by regulation unless the asbestos materials will be disturbed during renovation, remodeling, or demolition. The concern is for the potential release of asbestos fibers. Typically, the potential for an airborne release of asbestos fibers exists in three circumstances:

- The ACM will be impacted during maintenance, renovation, or demolition.
- The material has significantly deteriorated to the extent that asbestos debris is present.
- The ACM will be subject to future deterioration by vibration, airflow, or weathering.

Applicable asbestos regulations define ACM as material containing greater than 1% asbestos by weight, volume, or visual surface area and also distinguish between friable and non-friable forms of ACM. Friable ACMs can be crumbled or reduced to powder by hand pressure when dry. Non-friable materials cannot be crumbled, pulverized, or reduced to powder by hand pressure.

The EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) further classify non-friable ACM as Category I and II. Category I non-friable ACMs include asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products. Category II non-friable ACMs are defined as all other non-friable ACM, such as cement board, window putty, etc. Category I non-friable ACMs may remain in a building during demolition if demolition activities do not render the ACMs friable. All other ACMs

(non-Category I) must be removed prior to demolition.

The OSHA regulations in 29 Code of Federal Regulations (CFR) 1926.1101 require that building owners inform prospective contractors, employees, and tenants of the presence, location, and quantity of ACM or assumed ACM in their buildings and facilities. OSHA also requires the protection of employees through identification of ACM, training, proper work practices, and the use of personal protection equipment.

If the amount of ACM to be disturbed exceeds the following CDPHE Trigger Levels, then a state-certified abatement contractor must remove the ACM prior to renovation or demolition. Trigger Levels of ACMs are identified as 260 linear feet (lf) on pipes, 160 square feet (sf) on other surfaces, or the volume equivalent of a 55-gallon drum.

## 2.2 Technical Approach

Landmark collected bulk samples of the suspect ACMs in accordance with the applicable federal and state regulations. The inspectors collected bulk material samples by taking a composite core that included all layers within the suspect ACMs.

The assessment included visually assessing the Project Site facilities for homogeneous areas, performing a physical assessment of the material, and sampling suspect ACM. Bulk samples were collected of suspect non-friable and friable ACMs.

A homogeneous sampling area is defined as an area of ACM or suspect ACM that appears similar in color, texture, and date of application. Materials observed to be from the original building construction of each level and found to be present in multiple areas were placed into the same homogeneous material category types. The samples collected were representative of suspect ACMs for each of the homogeneous materials areas. Samples were collected in compliance with the EPA Asbestos Hazard and Emergency Response Act (AHERA) 40 CFR, Part 763. Representative sampling was based on the distribution of the suspect material throughout the homogeneous area and the suspect material's physical characteristics and application.

The results of sample analysis were considered representative of materials in each homogeneous area if:

- They exhibited similar physical characteristics; and
- The application of the sampled material could be clearly correlated to the application of unsampled material.

Friable suspect ACMs were separated into the following three classifications with specific sampling requirements. These classifications and respective sampling requirements were as follows:

- Surfacing Materials – Trowel or sprayed applied materials:
  - Three samples of each homogeneous area of 1,000 sf or less.
  - Five samples of each homogeneous area greater than 1,000 sf and less than 5,000 sf.
  - Seven samples of each homogeneous area greater than 5,000 sf.
- Thermal System Insulation (TSI):
  - Three samples of each homogeneous area.
- Miscellaneous Materials – Other suspect materials not classified in the above categories:
  - A sufficient number of samples to determine asbestos content, with a general requirement of a minimum of two samples.

The bulk ACM samples were given alpha and numeric identifiers for project tracking and identification purposes. The first set of letter/number combinations identifies the building area and the unit number. The second group of letter/number combinations identifies the type of material the sample was collected from and the homogeneous material identifier for the functional space. The last set of identification numbers represents the sequential sample acquired for the homogeneous material.

Sample collection information was documented on Landmark's homogeneous area forms (Appendix A to D). Building assessment information and photographs were taken of sample locations.

Landmark performed an internal review of the field data and laboratory analysis reports to ensure that the data generated within this report is accurate and complete. Quality assurance reviews performed by EPA-certified inspectors included cross-referencing inspector field notes and sample logs with the laboratory polarized light microscopy (PLM) bulk sample analysis to confirm sample results, numbering, and material descriptions for each sample.

### 2.3 Laboratory Analysis

The suspect ACM samples were submitted to Reservoirs Environmental, Inc. (Reservoirs) in Denver, Colorado. Reservoirs is a National Voluntary Laboratory Accreditation Program (NVLAP)-accredited

laboratory for Bulk Asbestos Fiber Analysis. Per the EPA NESHAP (40 CFR 61, Subpart M) regulatory guidance, samples containing less than 1% asbestos must be point-counted to be considered a trace-containing material. None of the bulk samples required further point-count analysis, and the asbestos analytical data is presented in Appendices A through D.

## 3.0 REGULATED BUILDING MATERIALS

This section describes the regulatory criteria, technical approach, and findings.

### 3.1 Regulatory Criteria

RBMs can include used batteries, electronic wastes, equipment that contains mercury, and hazardous waste lamps. For purposes of this report, the term RBM also includes light fixture ballasts that may contain Polychlorinated Biphenyl (PCBs), refrigerants, used chemicals, and fuel storage. The federal standards for managing RBMs are 40 CFR Part 273. The EPA regulations define three classes of waste management, including a very small quantity generator: small quantity generators and large quantity generators. The classification of and the applicable management requirements for the Client are determined by the quantity of waste generated. The amount of RBMs generated will not be determined until further into the project.

### 3.2 Technical Approach

The RBMs assessment included visual identification and quantification of RBMs in the structures accessed. Landmark performed no confirmatory sampling of these materials but did take apart the accessible smoke detectors and light fixtures to check for model numbers and non-PCB containing labels on light ballasts.

## 4.0 LEAD-BASED PAINT AND SOIL SURVEY

In this section, the regulatory criteria, technical approach, laboratory analysis, and findings as they pertain to LBP and LCP are discussed.

### 4.1 Regulatory Criteria

The EPA and the U.S. Department of Housing and Urban Development (HUD) regulate LBP abatement activities in target housing and child-occupied facilities. LBP is defined as paint containing 0.5% by weight or 1.0 milligram per cubic centimeter (mg/m<sup>2</sup>) by EPA and HUD. OSHA regulates worker exposure to lead for coatings with any detectable lead described as LCP.

The EPA and HUD regulate LBP abatement activities in target housing and child-occupied facilities. Target housing is defined as any housing constructed prior to 1978 that is occupied by a child under age six. A child-occupied facility is a building constructed prior to 1978 that is visited regularly by the same child under age six for more than two visits per week, three hours per visit, with combined weekly visits lasting at least six hours and totaling at least 60 hours annually.

The EPA also developed a program for renovation activities in child-occupied/target housing and child-care facilities called the Lead Renovation, Repair, and Paint Rule (RRP Rule). This rule requires that firms performing renovation, repair, and painting projects which disturb lead-based paint in homes, child care facilities, and preschools built before 1978 have their firm certified by EPA (or an EPA authorized state), use certified renovators who are trained by EPA-approved training providers, and follow lead-safe work practices.

The EPA and HUD regulate LBP abatement activities in target housing and child-occupied facilities. The EPA and HUD regulations related to LBP abatement do not apply to the building structures on the Project Site.

The OSHA Lead in Construction standard 29 CFR 1926.62 addresses requirements for sites where the employer has reason to believe that any employee may be exposed to lead in excess of OSHA's action level (AL) of 30 micrograms per cubic meter (30 µg/m<sup>3</sup>) over an eight-hour time-weighted average. The OSHA standard applies to all construction activities that may impact LCP (any detectable lead).

Any demolition and renovation activities involving LBP are subject to the OSHA Construction Industry Standard for Lead (Title 29 CFR, Part 1926.62). This standard is similar to other OSHA standards in that it addresses such issues as worker training, medical evaluations, personal protective equipment, exposure



assessment, air monitoring, hygiene facilities, and work practices.

To comply with EPA air, solid waste, and water quality standards, appropriate work practices, engineering controls, and other precautions should be taken to ensure lead-containing materials are not introduced into the surrounding roadway, soil, road drainage systems, and waterways. The EPA has established screening levels/cleanup criteria for lead in soils based on expected residential usage. The levels are 400 milligrams per kilogram (mg/kg) for high contact play areas and 1200 mg/kg for non-play area residential yard soil.

Additionally, lead-containing materials with a total lead content equal to or exceeding 0.01% by weight could exceed the EPA Resource Conservation and Recovery Act (RCRA) standard and are subject to the hazardous waste determination under EPA regulations. Representative waste characterization should be performed using the Toxicity Characteristic Leaching Process (TCLP) analytical method. The Toxicity Characteristic (TC) limit for lead is five parts per million (ppm) in the leachate. Materials that exceed this limit must be disposed of as hazardous waste. Materials that do not exceed this limit may be disposed of as solid waste.

Materials that are reused or recycled, such as metal components, are not subject to waste characterization provisions under the EPA, but proper disclosure of lead-containing materials should be provided to the recycling facility for hazard communication purposes.

The types and locations of LBP and LCP and regulatory requirements should be disclosed to the General Contractor and Owner's staff to avoid accidental disturbance and for contractor compliance with applicable regulations (to ensure proper worker protection and material disposal).

#### 4.2 Technical Approach

The LBP/LCP survey was performed by a CDPHE LBP Building Inspector/Risk Assessor. The LBP/LCP screening was completed utilizing a handheld X-ray fluorescent (XRF) meter in the field. Readings of suspect LBP/LCP were collected in a representative manner as determined by the field inspector based on identified testing combinations where the surface color, substrate, or building component were visibly different. Sampling was limited to materials that were visible and readily accessible to the inspector. The XRF equipment was subject to pre-calibration, calibration checks every four hours, and post-calibration as recommended by the manufacturer.

Landmark tested representative sample locations of various painted materials on the interior and exterior of the structures. Areas of exposed soil adjacent to typical painted external building surfaces (e.g., window

frames, trim and siding, soffits and fascia boards, etc.) were also visually inspected for paint chips.

In addition, representative composited soil samples were collected from the perimeters of the Kiosk 3 and Office buildings and analyzed for total lead content when the exterior paint of a building was found to be LCP or LBP. Representative photographs, LBP/LCP screening summary datasheet, and laboratory analysis are included in applicable appendices by building (Appendices A-D).

#### 4.3 Laboratory Analysis

The soil samples collected were submitted to Reservoirs in Denver, Colorado. Reservoirs is an American Industrial Hygiene Association (AIHA) Laboratory Accreditation Program (LAP)-accredited (AIHA LAP 101533) for lead in environmental matrices, paint, soil, and wipes through the AIHA LAP Environmental Lead Laboratory Accreditation Program (ELLAP). The samples were analyzed by EPA 7420-M method.

## 5.0 BIOLOGICAL HAZARDS

Landmark conducted limited observations for biological hazards during the walkthrough inspection of the Project Site. These site observations were limited to rodent or insect infestations, water intrusion, or visual evidence of mold growth throughout the structures. No confirmation testing was performed. Observations by building are discussed in Section 6.0.

## 6.0 FINDINGS

A brief summary of the findings for each category of environmental condition (ACM, LBP/LCP, RBM, and biological hazards) are included by building below. The data tables and more in-depth summaries are included in Appendices A through D. Each building has its own appendix, as applicable, which includes: 1) ACM Summary, 2) ACM Laboratory Reports, 3) LBP/LCP Data Summary, 4) Lead in Soils Lab Report, 5) Lead Photo Log, and 6) RBM Summary Table.

### 6.1 Kiosk 1

Information related to Kiosk 1 is located in Appendix A.

#### ACM

Twenty-one samples were collected from nine materials that were considered suspect for asbestos content and submitted to the laboratory for analysis.

- No ACMs were detected in the materials.

#### RBM

Computer equipment (a desktop computer, cash register, receipt printer, and security cameras), fluorescent light tubes (mercury-containing), and light ballasts that may contain PCBs were found for the Kiosk 1 structure. The exterior light fixture associated with Kiosk 1 could not be taken apart in the field to determine if the ballast is PCB or non-PCB-containing due to the way it was affixed.

#### LBP

The screening was conducted on 18 different paint combinations using the XRF meter. The following LBP or LCP was detected for Kiosk 1:

- White paint on the interior wooden door frame is LCP.
- Light green paint on the interior wooden walls is LCP.
- Bright white paint on the interior wood window frames and interior wooden desk drawers is LCP.
- Tan paint on the exterior wooden wall framing and wooden roof framing is LCP.

- Dark brown paint on an exterior wood door, exterior wooden façade walls, and wooden roof soffit is LCP.
- Brown paint on an exterior wooden window board is LBP.

### Lead in Soils

- No sample was collected for lead in soils outside Kiosk 1 because this structure was surrounded by asphalt pavement and had no available soil to sample.

### Biological Hazards

No signs of moisture infiltration, mold growth, rodent or insect infestation were found in the accessible portions of the Kiosk 1 structure. However, it is possible that rodent infestation could be present within the wall and ceiling cavity areas of this building.

## 6.2 Kiosk 2

Information related to Kiosk 2 is located in Appendix B.

### ACM

Fifteen samples were collected from six materials that were considered suspect for asbestos content and submitted to the laboratory for analysis.

- No ACMs were detected in the materials.

### RBM

Computer equipment (a desktop computer, cash register, receipt printer, and security cameras), fluorescent light tubes (mercury-containing), and light ballasts (that may contain PCBs) were found for the Kiosk 2 structure. The exterior light fixtures associated with Kiosk 2 could not be taken apart in the field to determine if the ballasts are PCB or non-PCB-containing.

### LBP

Screenings were conducted on 28 different painted combinations using the XRF meter. The following LBP or LCP was detected in the Generator House:

- Dark tan paint on an exterior wooden door frame, exterior wooden window frames, exterior wall framing, and roof framing is LCP.
- Dark brown paint on an exterior wood door, exterior wooden façade walls, a wood door threshold, and the wooden roof soffit is LCP.
- Brown paint on an exterior wooden window board is LBP.
- Bright white paint on an interior wooden door, an interior wood door frame, interior wooden walls, interior wooden windowsills, interior wood desk drawers, and on the interior wood ceiling is LCP.

### Lead in Soils

No sample was collected for lead in soils outside Kiosk 2 because this structure was surrounded by asphalt pavement.

### Biological Hazards

No signs of moisture infiltration, microbial growth, rodent or insect infestation were found in the accessible portions of the Kiosk 2 structure. However, it is possible that rodent infestation could be present within the wall and ceiling cavity areas of this building.

## 6.3 Kiosk 3

Information related to Kiosk 3 is located in Appendix C.

### ACM

Fourteen samples were collected from six materials that were considered suspect for asbestos content and submitted to the laboratory for analysis.

- No ACMs were detected in the materials.

### RBM

Computer equipment (a desktop computer, cash register, receipt printer, and security cameras), fluorescent light tubes (mercury-containing), and light ballasts (that may contain PCBs) were found for the Kiosk 3 structure. The exterior light fixtures associated with Kiosk 3 could not be taken apart in the field to determine if the ballasts are PCB or non-PCB containing.

## LBP

The screening was conducted on 31 different paint combinations using the XRF meter. The following LBP or LCP was detected at Kiosk 3:

- Brown paint on an exterior wooden window board is LBP.
- Dark tan paint on exterior wooden wall framing, wooden roof framing, and an exterior wood door frame is LCP.
- Dark brown paint on exterior wood façade walls, an exterior door frame, an exterior door, a wooden threshold, and roof soffit is LCP.
- Dark brown paint on an interior concrete baseboard is LCP.
- Bright white paint on interior wooden walls, interior wood window frames, an interior wood door, an interior wood ceiling, and wooden desk drawers is LCP.

## Lead in Soils

Laboratory analysis did not identify lead in soils above the EPA screening level/cleanup criteria for child play areas of 400 milligrams per kilogram (mg/kg) for high contact play areas and 1200 mg/kg for non-play area residential yard soil.

## Biological Hazards

No signs of moisture infiltration, microbial growth, rodent or insect infestation were found in the accessible portions of the Kiosk 3 structure. However, it is possible that rodent infestation could be present within the wall and ceiling cavity areas of this building.

### 6.4 Office

Information related to the Office is located in Appendix D.

## ACM

Eleven samples were collected from four materials that were considered suspect for asbestos content and submitted to the laboratory for analysis. One ACM was identified at the Office building structure, including the following:

- Floor tile (FTC01): 9-inch by 9-inch tan mottled floor tiles were found to contain between 3 and 5% chrysotile asbestos by PLM analysis. The associated black mastic was identified to be none detect for asbestos via PLM. The FTC01 material is a Category I non-friable material.

### RBM

Fire extinguisher, computer equipment (two desktop computers, desktop printers, security cameras, etc.), refrigerants associated with a small office refrigerator, a smoke detector, and fluorescent light tubes (mercury-containing) were found in the Office building. The interior light fixtures associated with the Office building were taken apart by Landmark's field inspector to confirm that the ballasts are non-PCB-containing. The smoke detector was a System Sensor Model No. 5604. According to the manufacturer, the device has between 0.5 and 1.0 microcuries of Americium 241 and can be disposed of without restriction<sup>1</sup>.

### LBP

The screening was conducted on 30 different paint combinations using the XRF meter. The following LBP or LCP was detected at the Office:

- Bright white paint on interior wooden windowsills and interior wood vault framing is LCP.
- Light green paint on interior wooden walls is LCP.
- Tan paint on exterior wall framing, exterior wooden windowsills, wood roof framing, and exterior wooden window framing is LCP.
- Dark brown paint on the exterior wood doors, exterior wooden façade walls, and window frames is LCP.
- Dark brown paint on the exterior wooden roof soffit is LBP.

---

<sup>1</sup> System Sensor. Technical Field Bulletin, Subject: Radioactive material – effects and disposal. Issued 8/02, revised 1/04. [https://www.systemsensor.com/en-us/Documents/RadioactiveMaterial\\_disposal\\_techbulletin.pdf](https://www.systemsensor.com/en-us/Documents/RadioactiveMaterial_disposal_techbulletin.pdf). Accessed 1/27/2022.



### Lead in Soils

Laboratory analysis did not identify lead in soils above the EPA screening level/cleanup criteria for child play areas of 400 milligrams per kilogram (mg/kg) for high contact play areas and 1200 mg/kg for non-play area residential yard soil.

### Biological Hazards

No signs of moisture infiltration, microbial growth, rodent or insect infestation were found in the accessible portions of the Office structure. However, it is possible that rodent infestation could be present within the wall and ceiling cavity areas of this building.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

### 7.1 Asbestos

The Office building structure contains non-friable Category I ACM that will be impacted during planned demolition activities. This non-friable ACM must be properly abated to avoid disturbing this flooring material during the demolition activities.

This assessment was inclusive of the accessible portions of the Project Site, which included three kiosk structures (Kiosk 1, Kiosk 2, and Kiosk 3) and one office building (Office) for a total of four structures. An intrusive investigation, including exploratory demolition of chases, soffits, enclosures, etc., was performed to the extent practicable due to the Project Site being occupied/in operation as a toll booth and park entrance station. Landmark's field inspectors did investigate the wall and roof cavity areas with pre-existing damage where the building materials were already exposed. The field inspector also cut an opening into the wall in the office bathroom behind the toilet and sink, and similar openings were cut into the ceilings of the Office and Kiosk 2. Should any unforeseen suspect building materials be encountered during the eventual demolition, then the demolition work must be stopped, and suspect materials need to be sampled and tested for asbestos to characterize them prior to disturbance or presumed to be ACM and abated.

Prior to any renovation or demolition work activities in a public or commercial building, which may disturb greater than 160 sf, 260 lf, or the equivalent of a 55-gallon drum of friable material or non-friable ACM, which may become friable during the renovation or demolition activities, ACMs must be removed in accordance with all applicable U.S. EPA and CDPHE regulations.

### 7.2 Regulated Building Materials

The identified RBMs must be properly managed and recycled, reused, or removed and properly disposed prior to the demolition in accordance with EPA and CDPHE regulations. Some of the RBMs identified in this assessment may be recycled.

Items such as personal computer equipment, small refrigerators, small containers of commercial cleaners, and other comparable items not considered building components should also be properly disposed/recycled prior to demolition.

### 7.3 Lead

Renovation activities that will impact LBP/LCP will require OSHA-trained workers and safety programs. PPE, including respiratory protection, will be required to handle these items until the negative exposure assessments are completed, which shows the work activities do not result in exposures above the OSHA Permissible Exposure Limit (PEL). In addition, an appropriate waste management plan should be developed for the disposal of LBP and LCP materials.

Lead soil samples were collected from the drip line surrounding Kiosk 3 and Office building structures with LBP on the exterior. The Kiosk 1 and Kiosk 2 buildings also had LBP on the exterior, but their buildings were completely surrounded by asphalt road with no available soil at the dripline areas to sample. No lead soil samples exceeded EPA residential screening limits, and no further action is required for soil.

### 7.4 Biological Hazards

There is a potential presence of rodent droppings in the wall and ceiling cavity areas of the building structures located at the Project Site. If rodents are encountered during the demolition process, special precautions to avoid Hantavirus exposure of workers will be required. Disinfection of any areas found to have visible mouse droppings in wall and ceiling cavity areas must follow National Park Service Hantavirus Work Protection guidelines, which are attached in Appendix E.

## 8.0 LIMITATIONS

Landmark performed the environmental services in a manner consistent with the level of care and expertise exercised by members of the asbestos inspection and assessment profession. Landmark does not imply or guarantee that every suspect ACM, RBM, LBP, LCP, or biological hazard on or in the buildings has been identified or sampled.

This assessment is intended to identify those components that are reasonably suspect and are most likely to be ACM in quantities subject to regulation based on existing industry and regulatory standards. It should be noted that destructive investigation of pipe chases in the office bathroom and ceiling cavities throughout these four structures was not conducted due to these structures being occupied and in operational use at the time of the site assessment fieldwork. An intrusive investigation of the non-accessible areas including but not limited to the pipe chase areas in the office bathroom and ceiling cavities throughout, etc., must also be performed prior to starting the demolition work activities. If any unforeseen suspect building materials are encountered during the eventual demolition, the demolition work must be stopped, and suspect materials need to be sampled and tested for asbestos to characterize them prior to disturbance or presumed to be ACM and abated.

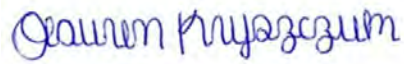
This document is not intended to be used as a bid document for the removal, repair, encapsulation, enclosure, or Operations and Maintenance (O&M) of ACMs or LBP. Quantities of identified ACMs and LBP should be field-verified by the contractor prior to bidding on any and all work associated with this assessment report. Landmark can prepare a Scope of Work/Project Design, bid documents, removal and repair methods/procedures, specifications, and O&M Plans if desired by the Client. These documents, if requested, will be prepared by EPA-accredited and state-certified individuals.

This report does not warrant against operations or conditions present of a type or at locations not investigated during this assessment. This assessment is intended to identify those components that are reasonably suspect and are most likely to be hazardous or in quantities subject to regulation based on existing industry and regulatory standards.

This report is intended for the sole reliance and use of the Client. The findings presented in this report are professional opinions based solely upon visual observations and supplemental testing of materials within the Project Site. Landmark is not responsible for independent conclusions, opinions, or recommendations made by others regarding the summary of field sampling and laboratory test data presented in this report.

## 9.0 ENDORSEMENTS

Field activities and preparation of this report was conducted by the following Landmark personnel:



Lauren Kryszczuk  
Project Industrial Hygienist  
Certified Asbestos Inspector and Designer #22230  
Certified Lead-Based Paint Inspector/Risk Assessor #25301

Review of this report was conducted by the following Landmark personnel:



Brandy Howard, PE, CIH, CSP  
Project Manager  
Certified Asbestos Inspector and Designer #20743  
Certified Lead-Based Paint Inspector/Risk Assessor #20678

## 10.0 ACRONYMS

<u>ACRONYM</u>	<u>Acronym Definition</u>
µg/m <sup>3</sup>	Micrograms per cubic meter of air
ACM	Asbestos-Containing Material
AHERA	Asbestos Hazard and Emergency Response Act
AIHA	American Industrial Hygiene Association
AL	Action Level
CABI	Certified Asbestos Building Inspector
CDPHE	Colorado Department of Public Health and Environment
CFR	Code of Federal Regulations
EPA	Environmental Protection Agency
HUD	U.S. Department of Housing and Urban Development
LBP	Lead-Based Paint
LCP	Lead-Containing Paint
NESHAP	National Emission Standard for Hazardous Air Pollutants
NIOSH	National Institute of Occupational Safety and Health
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PLM	Polarized Light Microscopy
RACM	Regulated ACMs
RCRA	Resource Conservation and Recovery Act
RBM	Regulated Building Material
TC	Toxicity Characteristic
TCLP	Toxicity Characteristic Leaching Procedure
XRF	X-ray Fluorescent

## 11.0 REFERENCES

Code of Federal Regulations (CFR). *OSHA Construction Standards for Asbestos. 29 CFR 1926.1101.*

CFR. *OSHA Construction Standards for Lead. 29 CFR 1926.62.*

CFR. *OSHA General Industry Standards for Asbestos. 29 CFR 1910.1001.*

CFR. *OSHA General Industry Standards for Respiratory Protection Standard. 29 CFR 1910.134.*

CFR. *Resource Conservation and Recovery Act (RCRA). 40 CFR 261.*

CFR. *U.S. Environmental Protection Agency Protection of Environment – Asbestos. 40 CFR, Part 763.*

Colorado Air Quality Control Commission (AQCC) Regulation No. 19. (Amended December 20, 2007; Effective January 30, 2008), *Control of Lead Hazards (5 CCR 1001-23).*

Colorado Code of Regulations (CCR). *Asbestos Hazards Emergency Response Act. Regulation No. 8, The Control of Hazardous Air Pollutants, Part B – Emission Standards for Asbestos. 5 CCR 1001-10.*

CCR. *Identification and Listing of Hazardous Waste, Part 26. 6 CCR 1007-3.*

CCR. *Regulations Pertaining to Solid Wastes and Facilities. 6 CCR 1007-2.*

Colorado Department of Public Health and Environment. (2007). *Renovation and Demolition Fact Sheet.*

Landmark Environmental (October 16, 2017). *Hazardous Material Survey Report for the Alpine Visitor Center, Rocky Mountain National Park, Trail Ridge Road, Grand Lake, Colorado 80447. Landmark Project No. 17075.001.001.*

Title 6, Colorado Code of Regulations (6 CCR) 1007-2. (Amended February 19, 2008; effective March 30, 2008). 1007-2, *Regulations Pertaining to Solid Wastes and Facilities.*

Title 6, Colorado Code of Regulations (6 CCR) 1007-3. (Amended February 19, 2008; effective March 30, 2008). *Identification and Listing of Hazardous Waste, Part 261.*

Figures

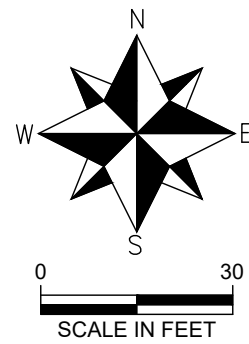




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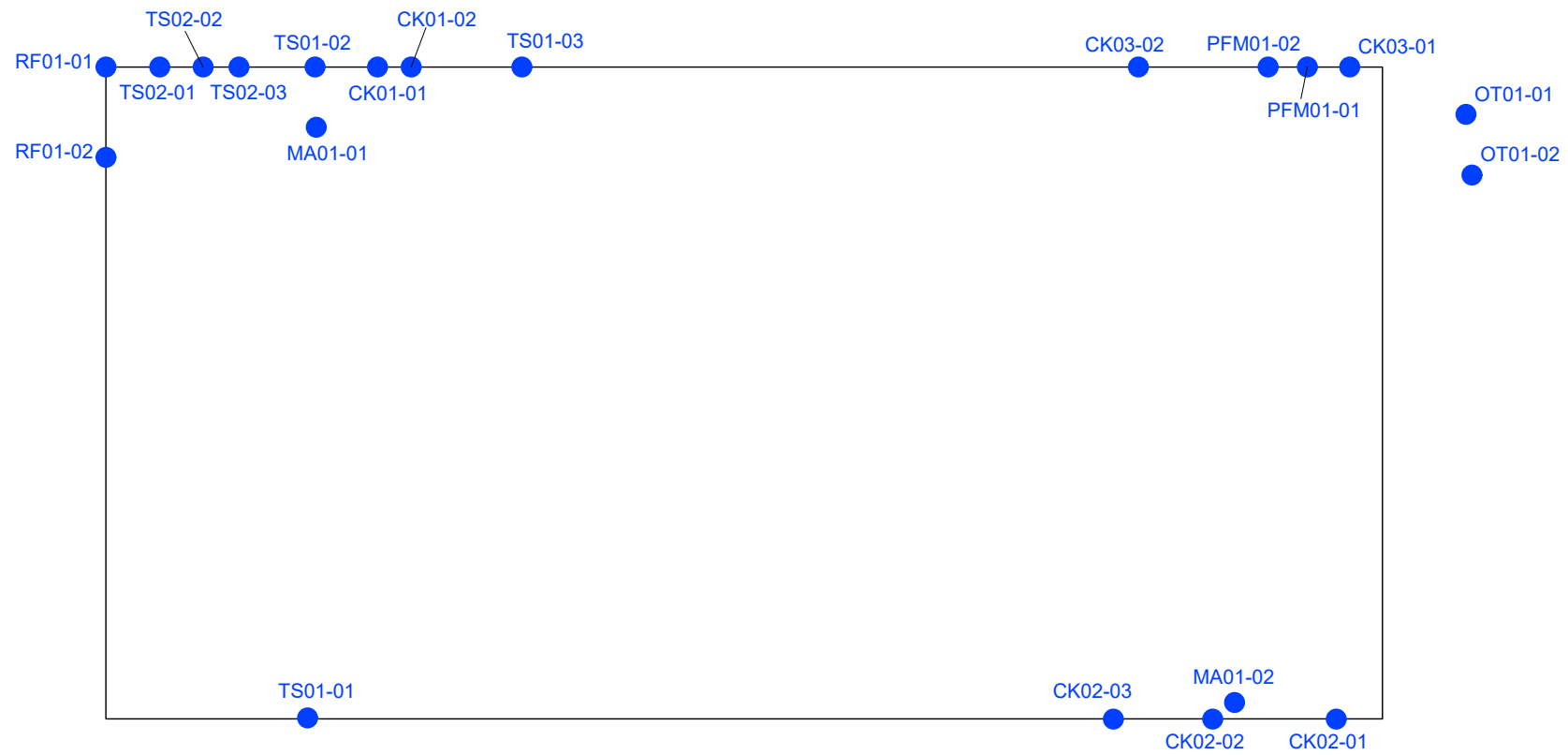
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**Figure 1**  
Site Overview Map

Rocky Mountain National Park  
Fall River Entrance Station  
Fall River Road  
Estes Park, Colorado 80517

Project #: 21115.001.001	Date: 01/24/2022
Drafted By: J.G.M.	

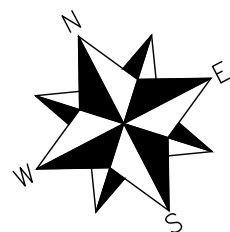


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APPROXIMATE SCALE IN FEET

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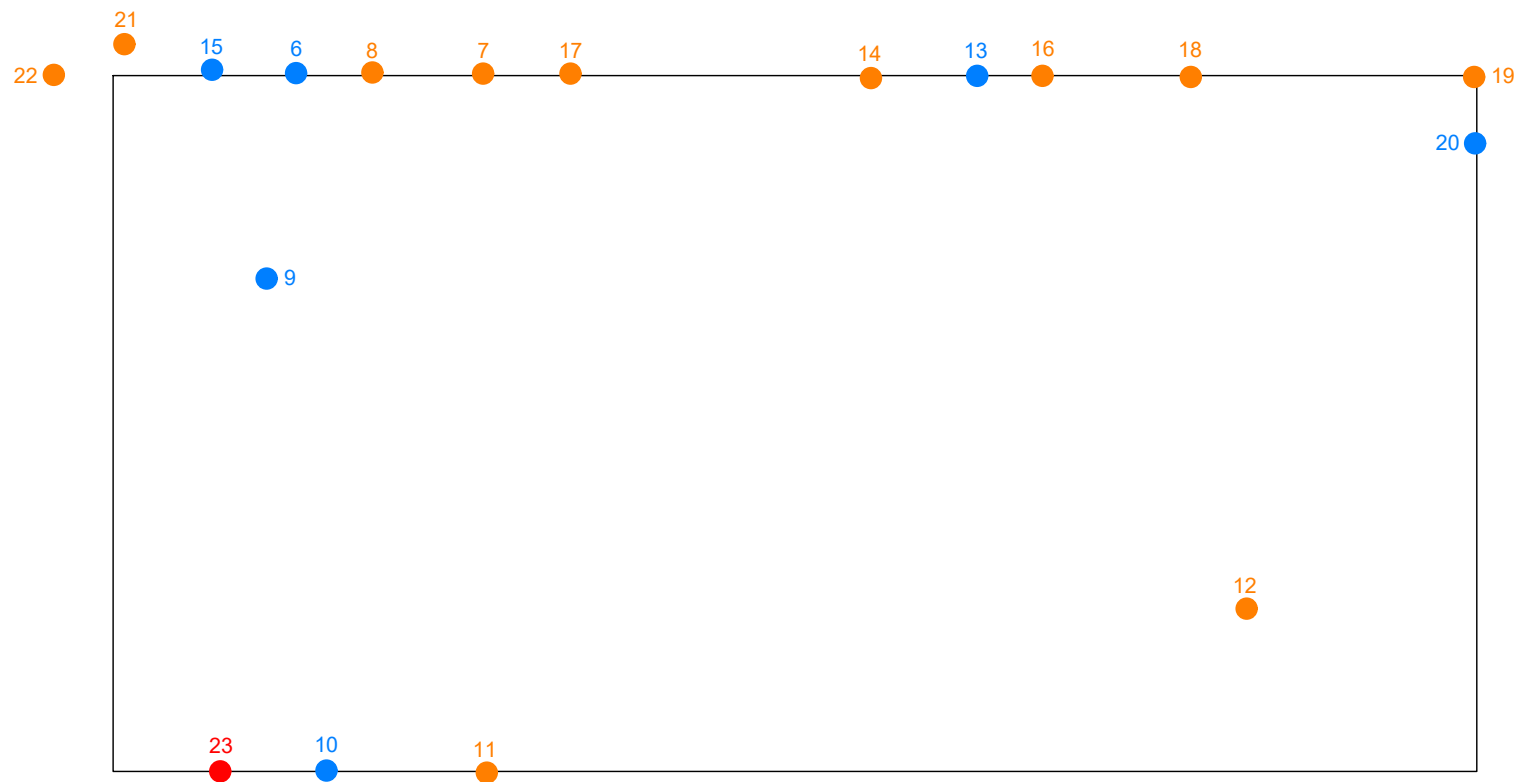
- Non-Asbestos Containing Material Sample Location
- Asbestos-Containing Material Sample Location
- Trace-Asbestos Containing Material Sample Location

**Figure 2**  
Asbestos Bulk Sampling Locations  
Kiosk 1

Rocky Mountain National Park  
Fall River Entrance Station  
Fall River Road  
Estes Park, Colorado 80517

Project #:	21115.001.001	Date:	01/24/2022
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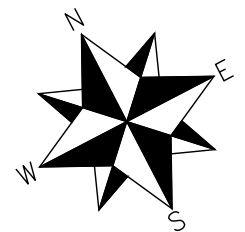
Drafted By:	J.G.M.
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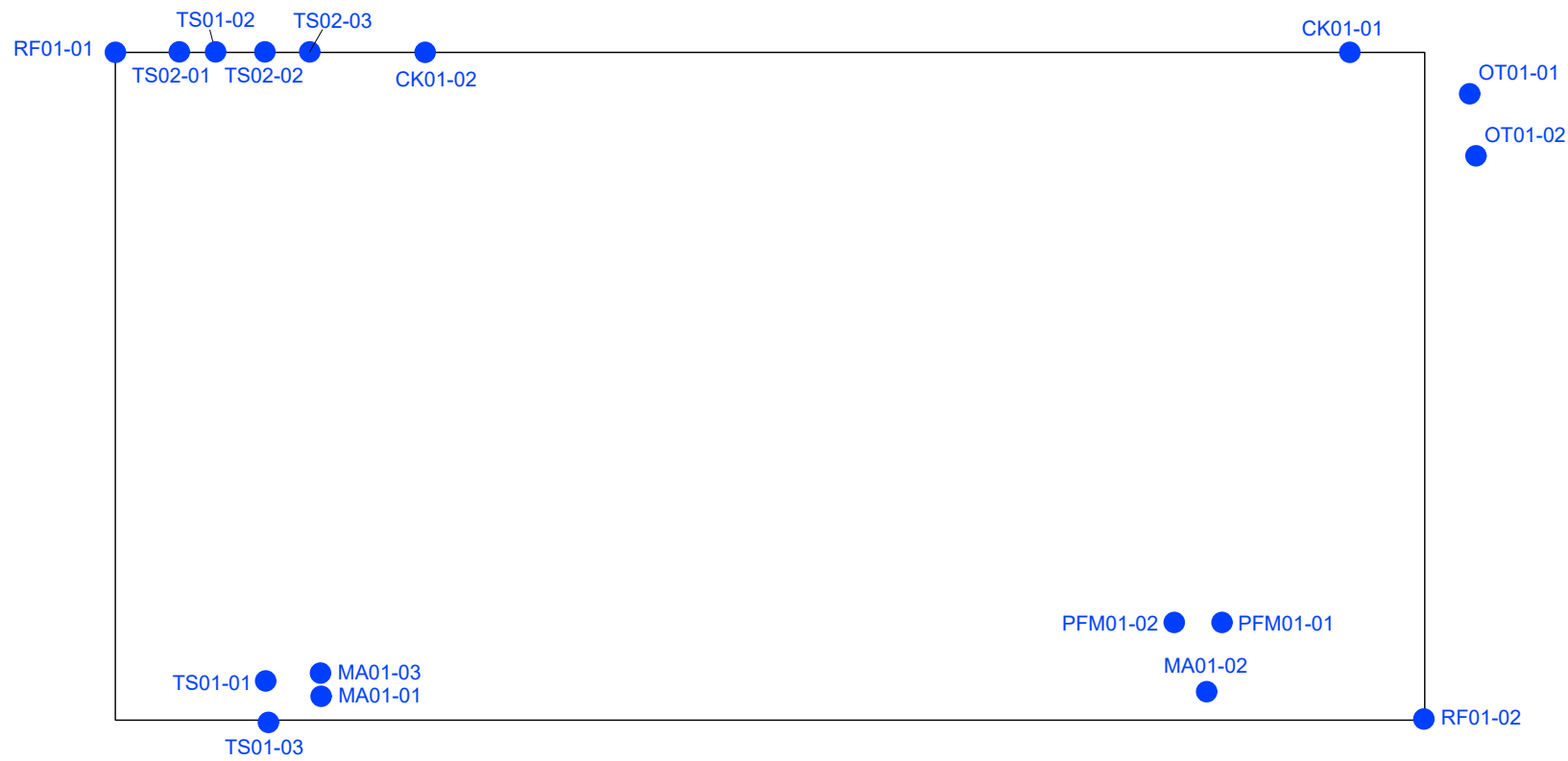
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APPROXIMATE SCALE IN FEET

**LEGEND**

- Non-Lead Containing Paint Screening Location
- Lead-Containing Paint Screening Location
- Lead-Based Paint Screening Location

**Figure 3**  
**Lead-Containing and Lead-Based Paint Screening Locations**  
**Kiosk 1**  
Rocky Mountain National Park  
Fall River Entrance Station  
Fall River Road  
Estes Park, Colorado 80517

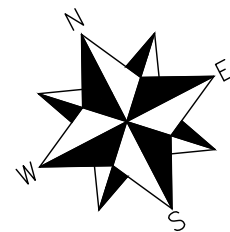
Project #: 21115.001.001	Date: 01/24/2022
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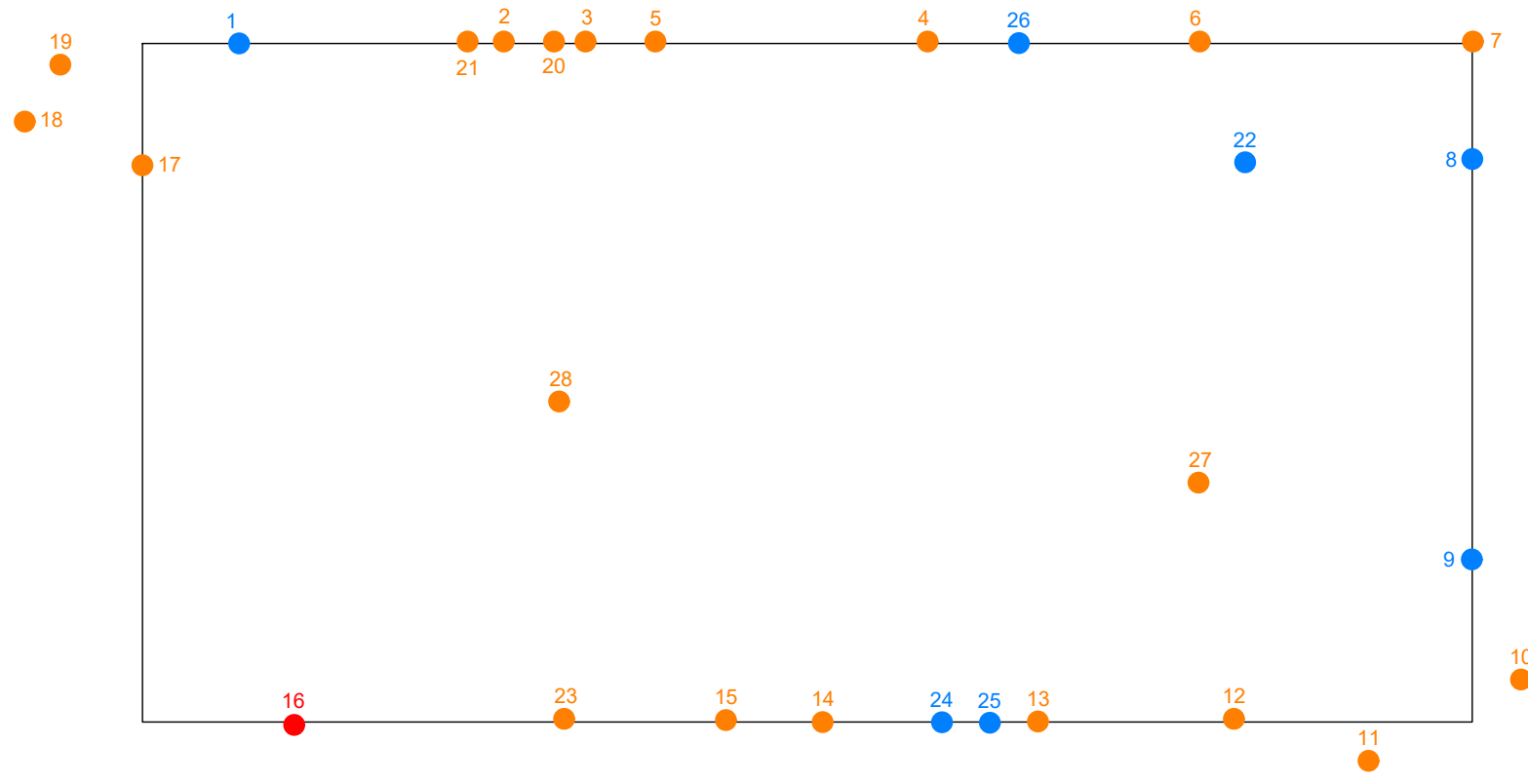
**LEGEND**

- Non-Asbestos Containing Material Sample Location
- Asbestos-Containing Material Sample Location
- Trace-Asbestos Containing Material Sample Location

**Figure 4**  
Asbestos Bulk Sampling Locations  
Kiosk 2

Rocky Mountain National Park  
Fall River Entrance Station  
Fall River Road  
Estes Park, Colorado 80517

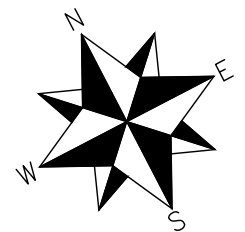
Project #:	21115.001.001	Date:	01/24/2022
Drafted By:	J.G.M.		



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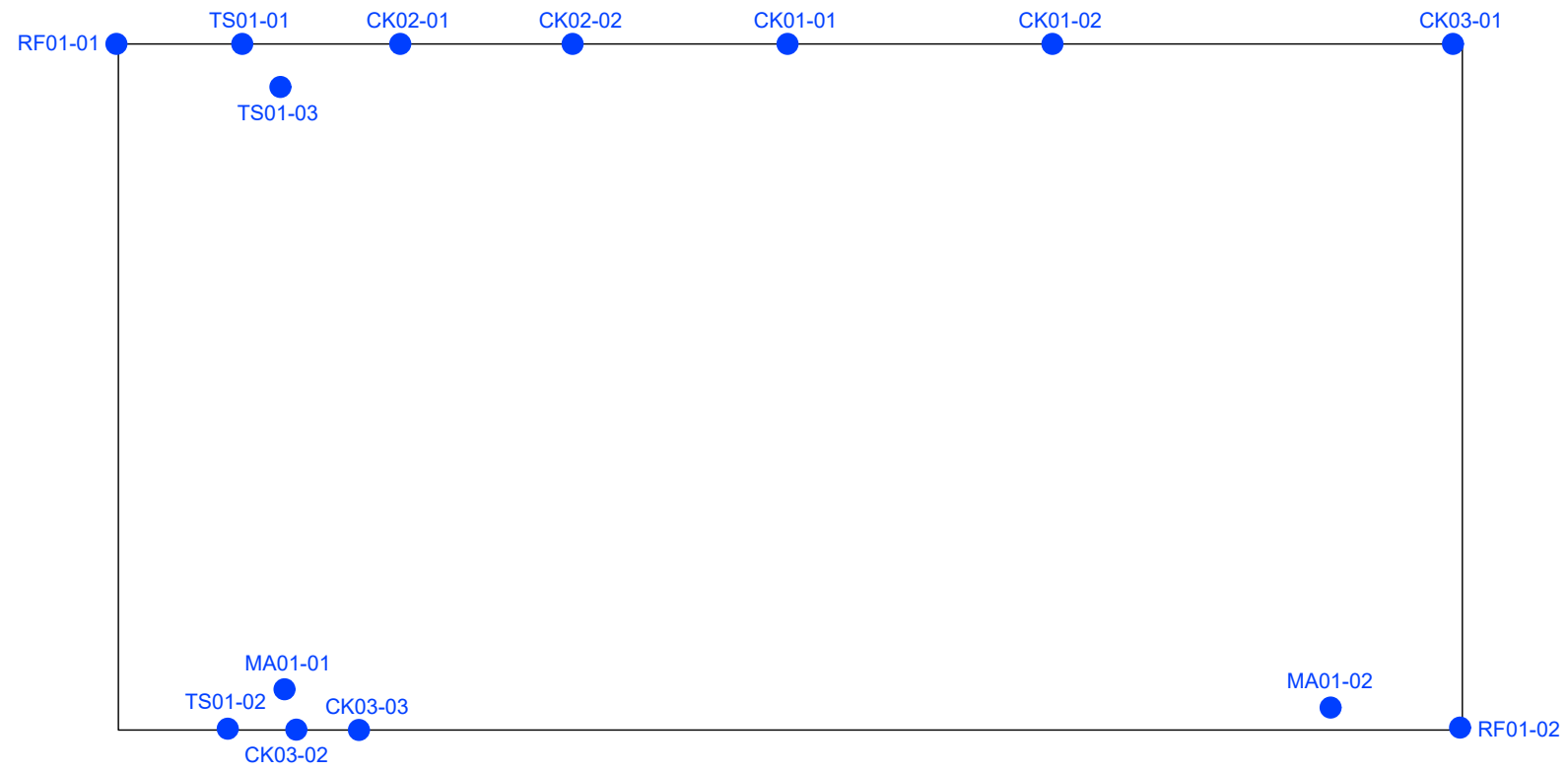
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**LEGEND**

- Non-Lead Containing Paint Screening Location
- Lead-Containing Paint Screening Location
- Lead-Based Paint Screening Location

**Figure 5**  
**Lead-Containing and Lead-Based Paint Screening Locations**  
**Kiosk 2**  
Rocky Mountain National Park  
Fall River Entrance Station  
Fall River Road  
Estes Park, Colorado 80517

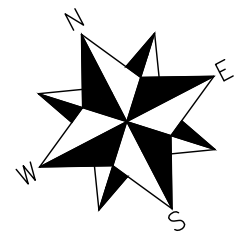
Project #:	21115.001.001	Date:	01/24/2022
Drafted By:	J.G.M.		



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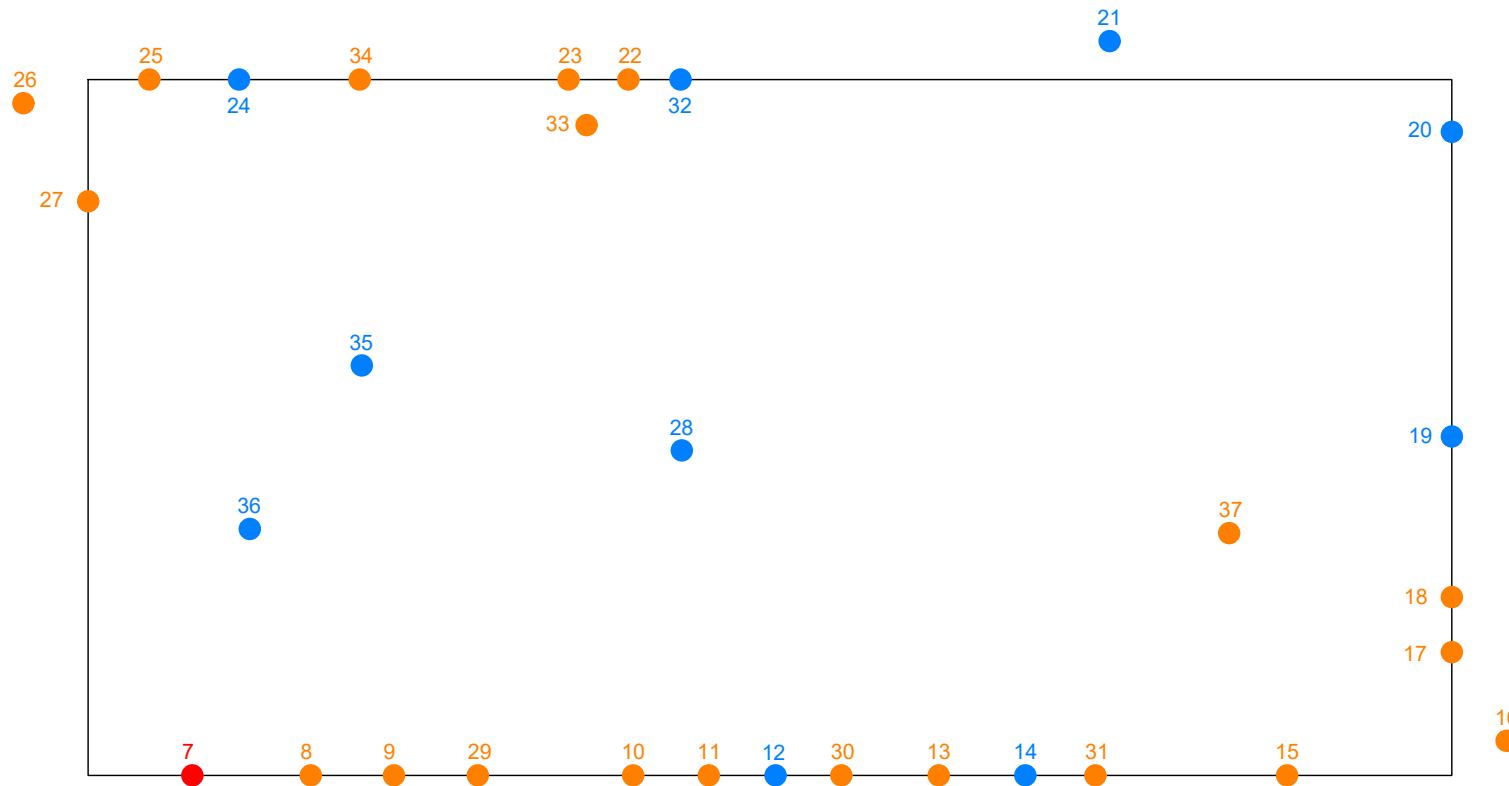
**LEGEND**

- Non-Asbestos Containing Material Sample Location
- Asbestos-Containing Material Sample Location
- Trace-Asbestos Containing Material Sample Location

**Figure 6**  
Asbestos Bulk Sampling Locations  
Kiosk 3

Rocky Mountain National Park  
Fall River Entrance Station  
Fall River Road  
Estes Park, Colorado 80517

Project #: 21115.001.001	Date: 01/24/2022
Drafted By: J.G.M.	

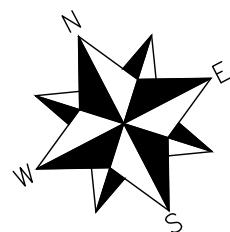


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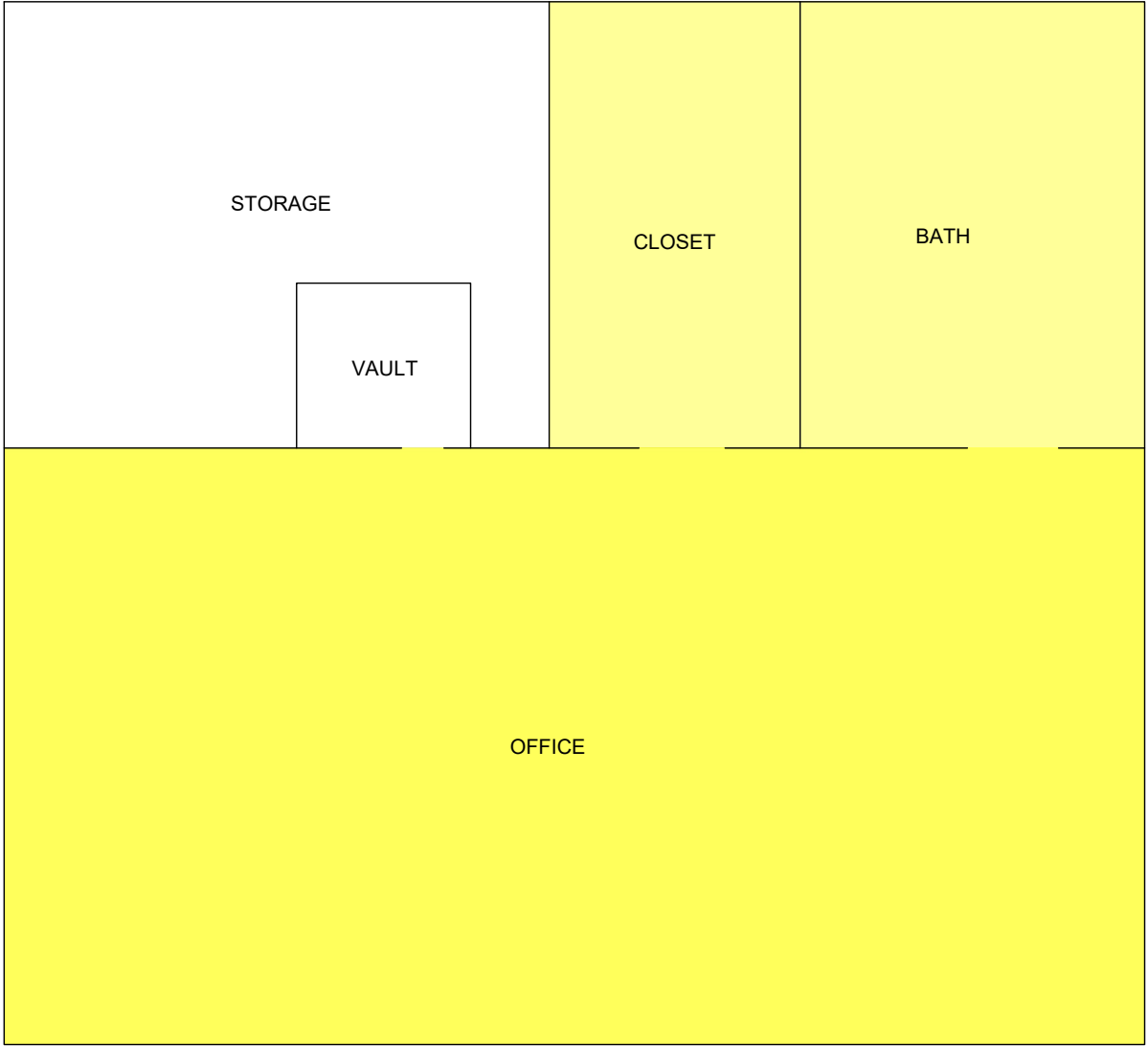
**LEGEND**

- Non-Lead Containing Paint Screening Location
- Lead-Containing Paint Screening Location
- Lead-Based Paint Screening Location

**Figure 7**  
**Lead-Containing and Lead-Based Paint Screening Locations**  
**Kiosk 3**  
 Rocky Mountain National Park  
 Fall River Entrance Station  
 Fall River Road  
 Estes Park, Colorado 80517

Project #: 21115.001.001      Date: 01/24/2022

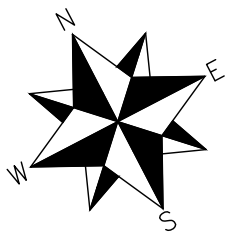
Drafted By: J.G.M.



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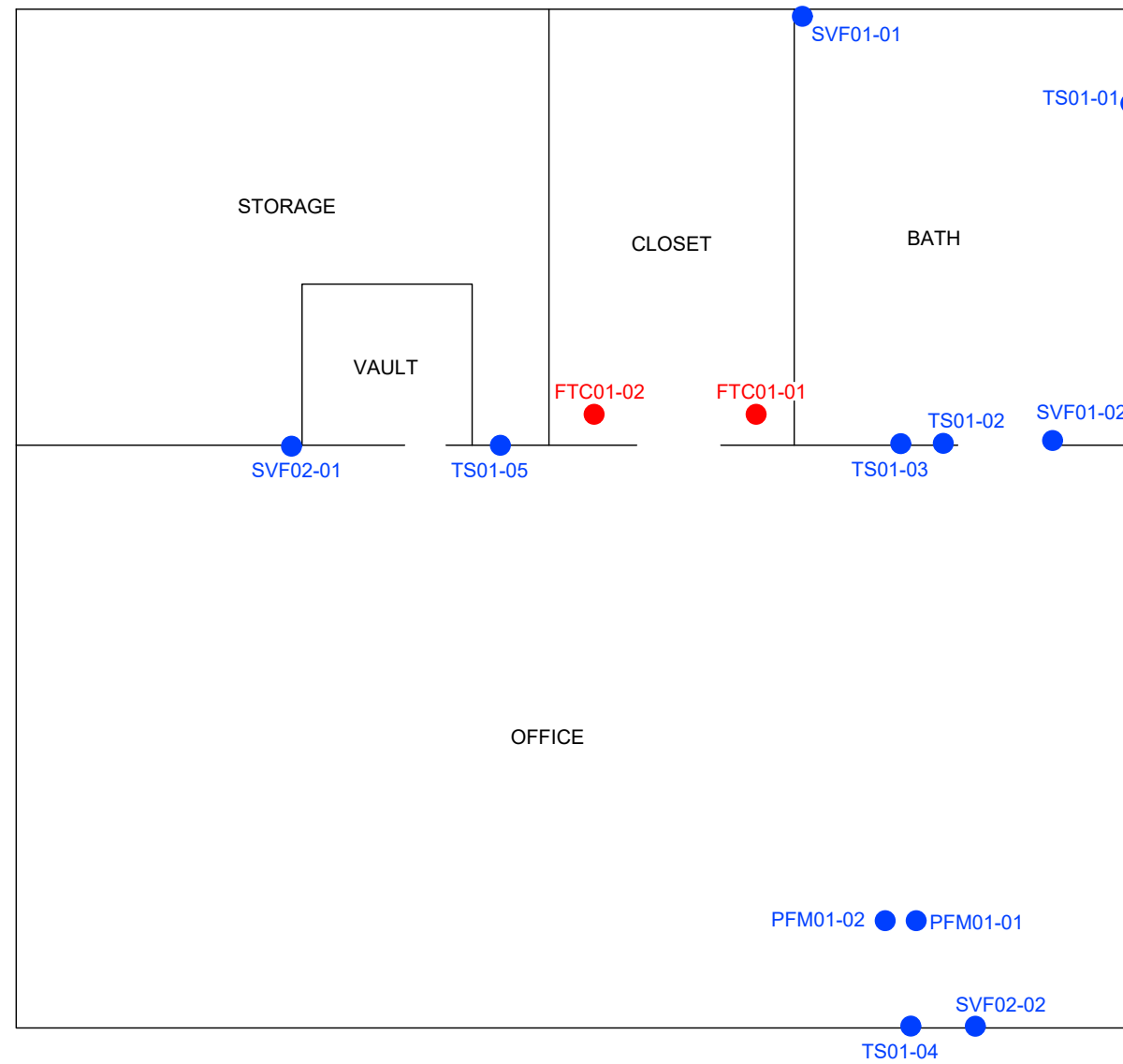
 FTC01 Asbestos-Containing Material

**Figure 8**  
Asbestos-Containing Material Locations  
Office

Rocky Mountain National Park  
Fall River Entrance Station  
Fall River Road  
Estes Park, Colorado 80517

Project #: 21115.001.001	Date: 01/24/2022
Drafted By: J.G.M.	



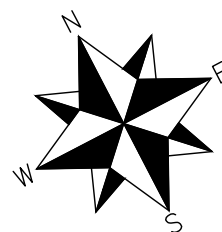


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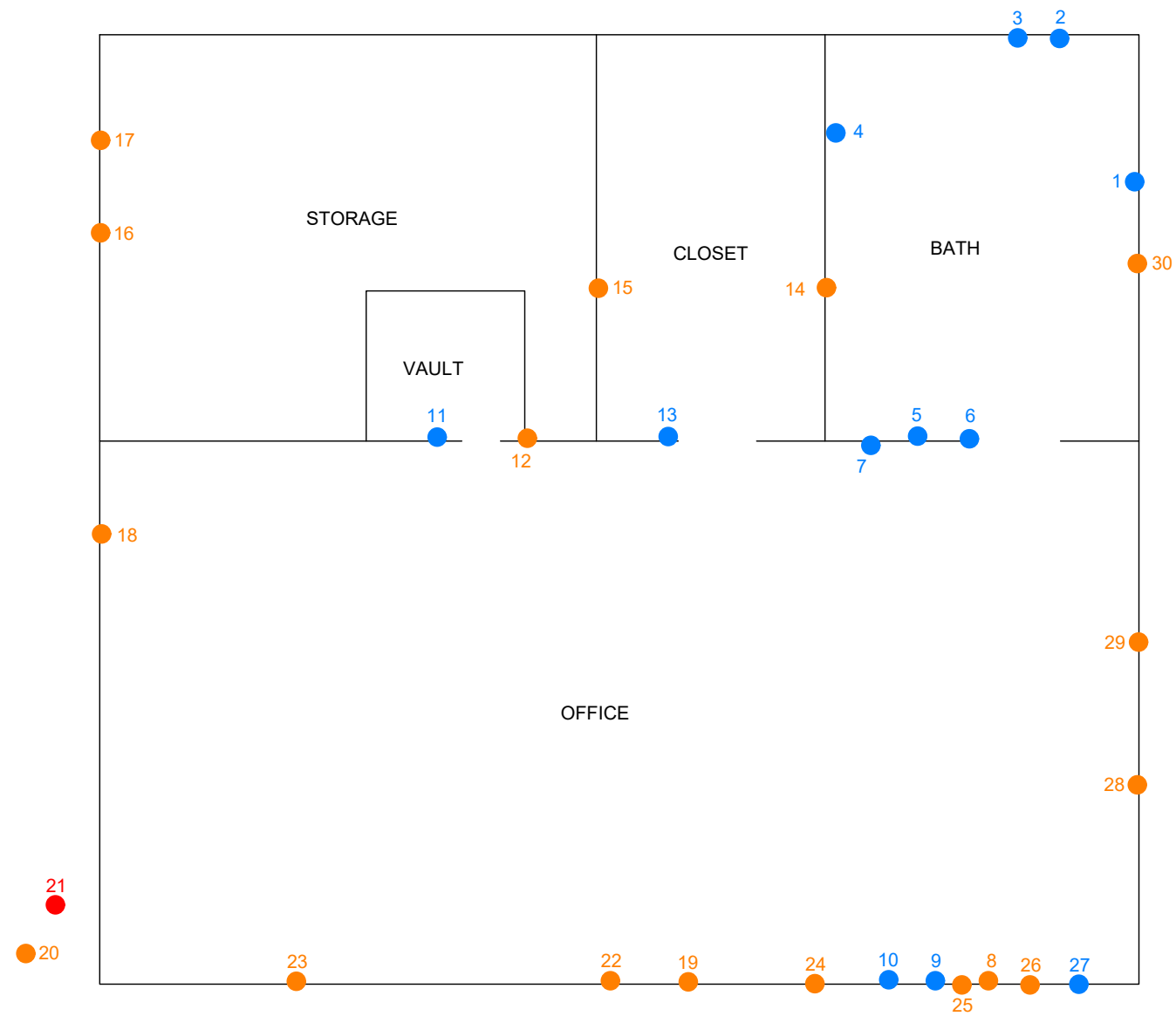
- Non-Asbestos Containing Material Sample Location
- Asbestos-Containing Material Sample Location
- Trace-Asbestos Containing Material Sample Location

**Figure 9**  
Asbestos Bulk Sampling Locations  
Office

Rocky Mountain National Park  
Fall River Entrance Station  
Fall River Road  
Estes Park, Colorado 80517

Project #: 21115.001.001      Date: 01/24/2022

Drafted By: J.G.M.

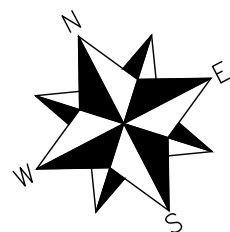


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APPROXIMATE SCALE IN FEET

**LEGEND**

- Non-Lead Containing Paint Screening Location
- Lead-Containing Paint Screening Location
- Lead-Based Paint Screening Location

**Figure 10**  
**Lead-Containing and Lead-Based Paint Screening Locations**  
**Office**  
 Rocky Mountain National Park  
 Fall River Entrance Station  
 Fall River Road  
 Estes Park, Colorado 80517

Project #: 21115.001.001      Date: 01/24/2022

Drafted By: J.G.M.

Appendix A

KIOSK 1

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
Caulking (interior/exterior)		
CODE	SEQUENCE	SIZE
CK	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White	Pliable	Interior Windows
QUANTITY	MATERIAL TYPE	FRIABLE
11	M	NF II
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Interior-CK01-01	North Wall, 5' from West Wall, 3.5' Above Floor	None Detected
K1-Interior-CK01-02	North Wall, 5' from West Wall, 4.5' Above Floor	None Detected

<b>Material Type:</b> Surfacing (S) Texturing (T) Miscellaneous (M)	<b>Friability:</b> Friable (F) Type I Non-Friable (I) Type II Non-Friable (II)	<b>Condition:</b> Good (G) Fair (F) Poor (P)	<b>Disturbance Potential:</b> Low (L) Moderate (M) High (H)	<b>Assessment Categories:</b> 1. Damaged or significantly damaged TSI ACM 2. Damaged friable surfacing ACM 3. Significantly damaged friable surfacing ACM 4. Damaged or significantly damaged friable miscellaneous ACM 5. ACBM with potential for damage 6. ACBM with potential for significant damage 7. Any remaining friable ACBM or friable suspected ACBM
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# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
Caulking (interior/exterior)		
CODE	SEQUENCE	SIZE
CK	02	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Pink	Pliable	Exterior Façade
QUANTITY	MATERIAL TYPE	FRIABLE
36	M	NF II
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Exterior-CK02-01	South Wall, 6" from Southeast Corner, 3.5' Above Ground	None Detected
K1-Exterior-CK02-02	South Wall, 3' from Southeast Corner, 3.5' Above Ground	None Detected
K1-Exterior-CK02-03	South Wall, 4.5' from Southeast Corner, 3.5' Above Ground (Quality Control)	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

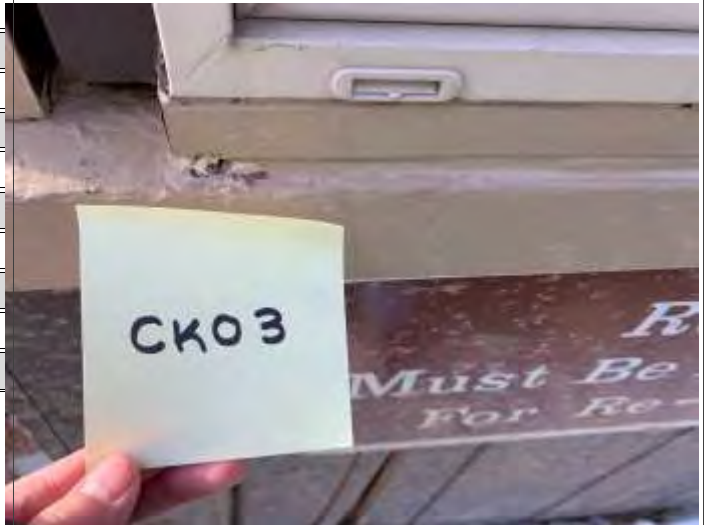
**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
Caulking (interior/exterior)		
CODE	SEQUENCE	SIZE
CK	03	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White	Pliable	Exterior Façade
QUANTITY	MATERIAL TYPE	FRIABLE
12	M	NF II
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Exterior-CK03-01	North Wall, 6" from Northeast Corner, 3.5' Above Ground	None Detected
K1-Exterior-CK03-02	North Wall, 4' from Northeast Corner, 3.5' Above Ground	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)


**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
Adhesive/Mastic, Misc.		
CODE	SEQUENCE	SIZE
MA	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Yellow		Pink Countertop
QUANTITY	MATERIAL TYPE	FRIABLE
20	M	NF II
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Interior-MA01-01	West Countertop, 1' from North Wall, 2.3' from West Wall, 3.5' Above Floor	None Detected
K1-Interior-MA01-02	East Countertop, 6" from South Wall, 2.5' from East Wall, 3.5' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
OTHER		
CODE	SEQUENCE	SIZE
OT	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White Compound	Woven Fabric	Exterior
QUANTITY	MATERIAL TYPE	FRIABLE
20	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Exterior-OT01-01	East Exterior, 1' from Northeast Corner, 1' Above Ground	None Detected
K1-Exterior-OT01-02	East Exterior, 2.5' from Northeast Corner, 1' Above Ground	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM



# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
Paper/Felt, Misc.		
CODE	SEQUENCE	SIZE
PFM	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Brown Black		Exterior Façade
QUANTITY	MATERIAL TYPE	FRIABLE
360	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Exterior-PFM01-01	North Wall, 1.5' from Northwest Corner, 1' Above Ground	None Detected
K1-Exterior-PFM01-02	North Wall, 2' from Northwest Corner, 2.5' Above Ground	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
Roofing Felt		
CODE	SEQUENCE	SIZE
RF	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Black	Soft	Clear Glue
QUANTITY	MATERIAL TYPE	FRIABLE
72	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		

SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Roof-RF01-01	Northwest Corner of Roof, 8' Above Ground	None Detected
K1-Roof-RF01-02	West Side of Roof, 2' from Northwest Corner, 8' Above Ground	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
Textured Surfacing		
CODE	SEQUENCE	SIZE
TS	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White Compound		Wooden Walls
QUANTITY	MATERIAL TYPE	FRIABLE
311	S	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Interior-TS01-01	South Wall, 3' from West Wall, 4.5' Above Floor	None Detected
K1-Interior-TS01-02	North Wall, 3' from West Wall, 2.5' Above Floor	None Detected
K1-Interior-TS01-03	North Wall, 6' from West Wall, 2' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

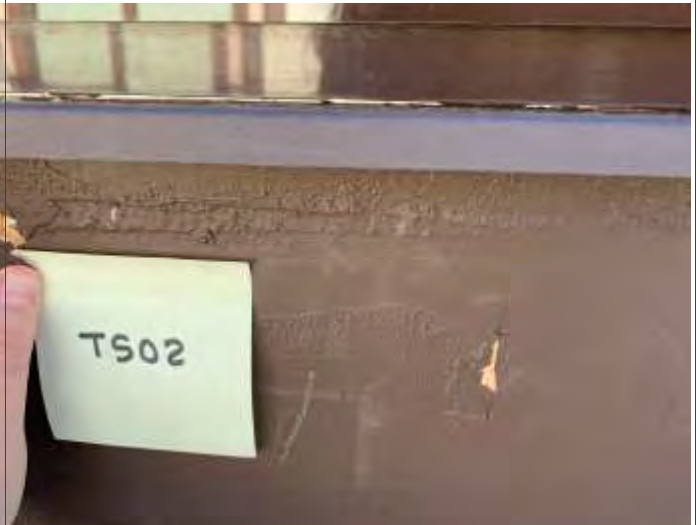
**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 1*

HOMOGENOUS MATERIAL DESCRIPTION		
Textured Surfacing		
CODE	SEQUENCE	SIZE
TS	02	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White Compound	Woven Cloth	Signage Board
QUANTITY	MATERIAL TYPE	FRIABLE
2	S	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K1-Exterior-TS02-01	North Wall, 2' from Northwest Corner, 4.5' Above Ground	None Detected
K1-Exterior-TS02-02	North Wall, 2.5' from Northwest Corner, 4.5' Above Ground	None Detected
K1-Exterior-TS02-03	North Wall, 3' from Northwest Corner, 4.5' Above Ground	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# SUMMARY OF NON-ASBESTOS CONTAINING MATERIALS SORTED BY MATERIAL TYPE AND ID

*Anderson Hallas - ROMO Fall River Entrance Station*

## *Non-Asbestos-Containing Material*

### **BUILDING: (K1)**

#### **HOMOGENEOUS MATERIAL**

ROOM ID	LOCATION	QUANTITY	UNITS	MATERIAL CONDITION	DISTURBANCE POTENTIAL	COMMENTS
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#### **CK-Caulking (interior/exterior)**

**CK01**      **N/A White Pliable Caulking (interior/exterior), associated with Interior Windows -**

Interior	N. wall,	11	LF	Good	Low
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**CK01 Total Qty      11**

**CK02**      **N/A Pink Pliable Caulking (interior/exterior), associated with Exterior Façade -**

Exterior	N. wall, E. wall, S. wall, W. wall,	36	LF	Good	Low
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**CK02 Total Qty      36**

**CK03**      **N/A White Pliable Caulking (interior/exterior), associated with Exterior Façade -**

Exterior	N. wall,	12	LF	Good	Low
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**CK03 Total Qty      12**

**CK-Caulking (interior/exterior) Total Qty      59**

#### **MA-Adhesive/Mastic, Misc.**

**MA01**      **N/A Yellow Adhesive/Mastic, Misc., associated with Pink Countertop -**

Interior	E. wall, W. wall,	20	SF	Good	Low
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**MA01 Total Qty      20**

**MA-Adhesive/Mastic, Misc. Total Qty      20**

#### **OT-OTHER**

**OT01**      **N/A White Compound Woven Fabric OTHER, associated with Exterior -**

Exterior	E. wall,	20	SF	Good	Low
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**OT01 Total Qty      20**

**OT-OTHER Total Qty      20**

#### **PFM-Paper/Felt, Misc.**

**PFM01**      **N/A Brown Black Paper/Felt, Misc., associated with Exterior Façade -**

Exterior	N. wall, E. wall, S. wall, W. wall,	360	SF	Good	Low
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**PFM01 Total Qty      360**

**PFM-Paper/Felt, Misc. Total Qty      360**

#### **RF-Roofing Felt**

**RF01**      **N/A Black Soft Roofing Felt, associated with Clear Glue -**

Roof	Ceiling,	72	SF	Good	Low
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# SUMMARY OF NON-ASBESTOS CONTAINING MATERIALS SORTED BY MATERIAL TYPE AND ID

*Anderson Hallas - ROMO Fall River Entrance Station*

## *Non-Asbestos-Containing Material*

### **BUILDING: (K1)**

#### HOMOGENEOUS MATERIAL

ROOM ID	LOCATION	QUANTITY	UNITS	MATERIAL CONDITION	DISTURBANCE POTENTIAL	COMMENTS
<b>RF01</b>	<b>N/A Black Soft Roofing Felt, associated with Clear Glue -</b>					
	<i>RF01 Total Qty</i>	<b>72</b>				
<b>RF-Roofing Felt Total Qty</b>		<b>72</b>				
<b>TS-Textured Surfacing</b>						
<b>TS01</b>	<b>N/A White Compound Textured Surfacing, associated with Wooden Walls -</b>					
Interior	N. wall, E. wall, S. wall, W. wall, Ceiling,	311	SF	Good	Low	
<i>TS01 Total Qty</i>		<b>311</b>				
<b>TS02</b>	<b>N/A White Compound Woven Cloth Textured Surfacing, associated with Signage Board -</b>					
Exterior	N. wall,	2	SF	Good	Low	
<i>TS02 Total Qty</i>		<b>2</b>				
<b>TS-Textured Surfacing Total Qty</b>		<b>313</b>				



January 18, 2022

**Subcontractor Number:**

**Laboratory Report:** RES 514816-1

**Project #/P.O. #:** 21115.001.001

**Project Description:** Rocky Mountain National Park, Fall  
River Entrance Station - Kiosk 1

Lauren Kryszczuk  
Landmark Environmental, Inc.  
7881 Shaffer Parkway  
Littleton CO 80127

Dear Lauren,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

**RES 514816-1** 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 of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. 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 have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Tyler Hutchinson

Jeanne Spencer  
President



## RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 514816-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk 1**  
 Date Samples Received: **January 12, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 17 - January 18, 2022**

NA = Not Analyzed  
 NR = Not Received  
 ND = None Detected  
 TR = Trace; <1 % Visual Estimate  
 Trem-Act = Tremolite-Actinolite

Laboratory Sample ID	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
514816 - K1-Interior-CK01-01	A	Tan wood w/ white paint	30		ND	45	55
	B	White resinous material w/ white paint	70		ND	0	100
514816 - K1-Interior-CK01-02	A	White resinous material w/ white paint	100		ND	0	100
514816 - K1-Exterior-CK02-01	A	Brown resinous material	100		ND	0	100
514816 - K1-Exterior-CK02-02	A	Brown resinous material	100		ND	0	100
514816 - K1-Exterior-CK02-03	A	Brown resinous material	100		ND	0	100
514816 - K1-Exterior-CK03-01	A	White resinous material w/ beige paint	100		ND	0	100
514816 - K1-Exterior-CK03-02	A	White resinous material w/ beige paint	100		ND	0	100
514816 - K1-Interior-MA01-01	A	Pink counter top w/ tan adhesive	100		ND	60	40
514816 - K1-Interior-MA01-02	A	Pink counter top w/ tan adhesive	100		ND	60	40
514816 - K1-Exterior-OT01-01	A	Gray paint	18		ND	0	100
	B	Colorless fibrous resinous material	82		ND	25	75
514816 - K1-Exterior-OT01-02	A	Yellow fibrous resinous material	30		ND	25	75
	B	Gray/black paint w/ off white granular material	70		ND	0	100
514816 - K1-Exterior-PFM01-01	A	Tan paper w/ tan fibrous woven material & black tar	100		ND	70	30
514816 - K1-Exterior-PFM01-02	A	Tan paper w/ tan fibrous woven material & black tar	100		ND	70	30

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



# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 514816-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk 1**  
 Date Samples Received: **January 12, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 17 - January 18, 2022**

NA = Not Analyzed
NR = Not Received
ND = None Detected
TR = Trace; <1 % Visual Estimate
Trem-Act = Tremolite-Actinolite

Laboratory Sample ID  Client Sample Number	L A Y E R	Physical Description	Sub Part  (%)	Asbestos Content		Non-Asbestos Fibrous Components  (%)	Non-Fibrous Components  (%)
				Mineral	Visual Estimate  (%)		
514816 - K1-Roof-RF01-01	A	Tan wood fragments w/ white paint	6		ND	50	50
	B	Black fibrous material	19		ND	70	30
	C	Colorless resinous material	75		ND	0	100
514816 - K1-Roof-RF01-02	A	Colorless resinous material	19		ND	0	100
	B	Black fibrous material	81		ND	70	30
514816 - K1-Interior-TS01-01	A	Gray/multi-colored paint	100		ND	0	100
514816 - K1-Interior-TS01-02	A	Gray/multi-colored paint	100		ND	0	100
514816 - K1-Interior-TS01-03	A	Gray/multi-colored paint	100		ND	0	100
514816 - K1-Exterior-TS02-01	A	Tan fibrous material w/ red resinous material	25		ND	85	15
	B	Tan resinous material w/ brown paint	75		ND	0	100
514816 - K1-Exterior-TS02-02	A	Tan fibrous material	20		ND	85	15
	B	Tan resinous material w/ brown paint	80		ND	0	100
514816 - K1-Exterior-TS02-03	A	Tan fibrous material w/ red resinous material	40		ND	85	15
	B	Tan resinous material w/ brown paint	60		ND	0	100

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

  
Tyler Hutchinson  
Analyst

  
John C. McIntyre  
Analyst



RES Job #: 514816

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES	
Company: <b>Landmark Environmental, Inc.</b>		Company: <b>Landmark Environmental, Inc.</b>		Contact: <b>Lauren Kryszczuk</b>		<b>-1 PLM Priority</b>	
Address: <b>7881 Shaffer Parkway</b>		Address: <b>7881 Shaffer Parkway</b>		Phone: <b>(720) 468-9626</b>			
Address: <b>Littleton, CO 80127</b>		Address: <b>Littleton, CO 80127</b>		Fax:			
Project Number and/or P.O. #: <b>21115.001.001</b>		Project Description/Location: <b>Rocky Mountain National Park, Fall River Entrance Station - Kiosk 1</b>		Final Data Deliverable Email Address:			
				Cell:			
				<b>lkryszczuk@landmarkenviro.com (+ 4 ADDNL. CONTACTS)</b>			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm				REQUESTED ANALYSIS				VALID MATRIX CODES				LAB NOTES
<b>PLM</b> / PCM / TEM	DTL	RUSH	<b>PRIORITY</b> STANDARD	<b>PLM - PLM Short Report (EPA600/R-93116)</b> TEM - AHERA (+/- or Quantified), Microvacc (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Chatfield, Drinking Water, Waste Water, Bulk +/-, CARB Modified Ahera PCM - 7400A, 7400B, OSHA DUST - Total, Respirable METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metals (7303, 6020A, 200.8, Waste Water, Foodware, OSHA ID-125G), pH (Liquid or Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan ORGANICS - Methamphetamine, TSS VIABLES - Campylobacter, Bacillus, Salmonella (Culturable or 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S.aureus, Yeast & Mol, Aerobic Plate Count, Coliforms/E.coli - (State Water, Drinking Water, Non-Drinking Water, +/-, Quantification), Lactic Acid, Viable Microbial Count (w/ID or w/ID, +/-, Enterococcus (+/- or Quantification), Legionella (P, NP, C) MEDICAL - Bieburden, LAL MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B						
<b>CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm</b>					Dust = D	Food = F						
Dust	RUSH	PRIORITY	STANDARD		Paint = P	Soil = S						
Metals	RUSH	PRIORITY	STANDARD		Surface = SU	Swab = SW						
Organics*	SAME DAY	RUSH	PRIORITY STANDARD		Tape = T	Wipe = W						
<b>MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm</b>					Drinking Water = DW							
Viable Analysis**	PRIORITY	STANDARD			Waste Water = WW							
Medical Device Analysis	RUSH	STANDARD			**ASTM E1792 approved wipe media only**							
Mold Analysis	RUSH	PRIORITY	STANDARD		Sample Volume (L) / Area	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hr:mm			
**Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.**					Length (or Aliquots) x Width (or Area per Aliquot)							
<b>Special Instructions:</b>				<b>Laboratory Analysis Instructions</b>								
<b>Client Sample ID Number</b> (Sample ID's must be unique)				<b>ASBESTOS</b>	<b>CHEMISTRY</b>	<b>MICROBIOLOGY</b>						
1	K1-Interior-CK01-01			X			B					
2	K1-Interior-CK01-02			X			B					
3	K1-Exterior-CK02-01			X			B					
4	K1-Exterior-CK02-02			X			B					
5	K1-Exterior-CK02-03			X			B					
6	K1-Exterior-CK03-01			X			B					
7	K1-Exterior-CK03-02			X			B					
8	K1-Interior-MA01-01			X			B					
9	K1-Interior-MA01-02			X			B					
10	K1-Exterior-OT01-01			X			B					
11	K1-Exterior-OT01-02			X			B					
12	K1-Exterior-PFM01-01			X			B					
13	K1-Exterior-PFM01-02			X			B					

REI will analyze incoming samples based on information 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 shall constitute 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:		<b>Lauren Kryszczuk</b>	Date/Time: <b>01/12/2022 16:44:46</b>	Sample Condition: <b>Acceptable</b>
Received By:		<b>Monica Morales</b>	Date/Time: <b>01/12/2022 18:06:06</b>	Carrier: <b>Hand</b>



Res Job#: 514816

Submitted By: Landmark Environmental, Inc.

Client Sample ID Number <small>(Sample ID's must be unique)</small>	REQUESTED ANALYSIS			VALID MATRIX CODES						LAB NOTES
	ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions
14 K1-Roof-RF01-01	X					B				
15 K1-Roof-RF01-02	X					B				
16 K1-Interior-TS01-01	X					B				
17 K1-Interior-TS01-02	X					B				
18 K1-Interior-TS01-03	X					B				
19 K1-Exterior-TS02-01	X					B				
20 K1-Exterior-TS02-02	X					B				
21 K1-Exterior-TS02-03	X					B				

**LEAD INSPECTION SAMPLE LOG**

<b>Project Name:</b>	Fall River Entrance Station - Kiosk 1			<b>Inspector:</b>	Lauren Kryszczuk			
<b>Location:</b>	Rocky Mountain National Park (ROMO)			<b>Date:</b>	1/12/2022			
<b>Client:</b>	Anderson Hallas			<b>XRF</b>	On-site XRF meter reading			
Sample No.	Location	Component	Substrate	Feature	Condition	Color	Result (%)	Screen Result
0	Calibration	-	-	-	-	White	0	NL
1	Calibration	-	-	-	-	White	0	NL
2	Calibration	-	-	-	-	White	0	NL
3	<b>Calibration</b>	-	-	-	-	<b>Red</b>	<b>1.09</b>	<b>LBP</b>
4	<b>Calibration</b>	-	-	-	-	<b>Red</b>	<b>1.08</b>	<b>LBP</b>
5	<b>Calibration</b>	-	-	-	-	<b>Red</b>	<b>1.11</b>	<b>LBP</b>
6	Interior Kiosk (North)	Interior Wall	Wood	Wall	Good	White	0	NL
7	Interior Kiosk (North)	Door Frame	Wood	Door Frame	Good	White	0.02	LCP
8	Interior Kiosk (North)	Interior Wall	Wood	Wall	Fair	Light Green	0.3	LCP
9	Interior Kiosk (West)	Countertop	Wood	Countertop	Good	Light Pink	0	NL
10	Interior Kiosk (South)	Interior Wall	Wood	Wall	Good	White	0	NL
11	Interior Kiosk (South)	Window Frame	Wood	Window Frame	Fair	Bright White	0.31	LCP
12	Interior Kiosk (East)	Desk Drawer	Wood	Desk Drawer	Good	Bright White	0.28	LCP
13	Interior Kiosk (North)	Windowsill	Wood	Windowsill	Good	White	0	NL
14	Interior Kiosk (North)	Interior Wall	Wood	Wall	Fair	Light Green	0.3	LCP
15	Exterior Façade (North)	Signage Board	Wood	Signage Board	Good	Dark Brown	0	NL
16	Exterior Façade (North)	Wall Frame	Wood	Wall Frame	Good	Tan	0.37	LCP
17	Exterior Façade (North)	Door	Wood	Door	Good	Dark Brown	0.01	LCP
18	Exterior Façade (North)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.07	LCP
19	Exterior Façade (East)	Wall Frame	Wood	Wall Frame	Good	Tan	0.22	LCP
20	Exterior Façade (East)	Window Frame	Wood	Window Frame	Good	Dark Brown	0	NL
21	Exterior Façade (North)	Roof Frame	Wood	Roof Frame	Good	Tan	0.01	LCP
22	Exterior Façade (North)	Roof Soffit	Wood	Roof Soffit	Good	Dark Brown	0.36	LCP
23	Exterior Façade (South)	Window Board	Wood	Window Board	Good	Dark Brown	0.98	LBP

Notes

NL - Not Lead

LCP - Lead-Containing Paint

LBP - Lead-Based Paint





<b>LANDMARK Project No.</b> 21115.001.001	<b>Description</b>	Screening No. 23, Exterior Façade (South), Dark Brown Panel replacing the window, 0.98 mg/cm <sup>2</sup> , Lead Based Paint	<b>Photo 1</b>
	<b>Site Name</b>	Rocky Mountain National Park – Fall River Entrance Station Kiosk 1	<b>Photo Date</b> 01/12/2022

**Regulated Building Material Summary Table**

RBMs PRESUMPTIVE INVENTORY LIST																						
Room #	CE	CFC	EL	EX	FE	CL	FL-2'	FL-4'	FL-8'	FL-0	LB	FS	HID	LS	MEF	MTG	RB	SD	TF	OT	XX	Comments
Interior	1				1																	CE = One desktop computer with a cash register and printer. One security camera.
Exterior	1						2				2											CE = One security camera.
Roof																					XX	XX = No RBMs were observed.
TOTAL	2	0	0	0	1	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0		

**CE** = Comp. equip.; **CFC** = Refrigerants; **EL** = Emergency lighting; **EX** = Exit signs; **FE** = Fire extinguishers (hand held); **CL** = Compact light bulb; **FL-2'** = 2' Fluorescent lamp; **FL-4'** = 4' Fluorescent lamp; **FL-8'** = 8' Fluor. lamp; **FL-0** = Fluorescent lamp other; **FS** = Fire suppression system; **HID** = High intensity lights; **LB** = Light ballast; **LS** = Lead sheeting; **MEF** = Mech equip. fluids; **MTG** = Mercury switch/gauge/etc.; **RB** = Rechargeable battery; **SD** = Smoke detectors; **TF** = Transformer; **OT** = Other; **XX** = No RBMs

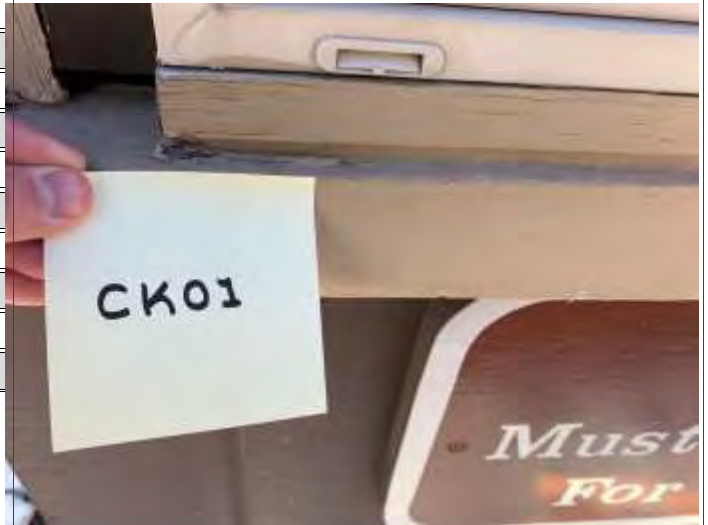
## Appendix B

### KIOSK 2

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 2*

HOMOGENOUS MATERIAL DESCRIPTION		
Caulking (interior/exterior)		
CODE	SEQUENCE	SIZE
CK	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Pink	Pliable	Exterior Window
QUANTITY	MATERIAL TYPE	FRIABLE
20	M	NF II
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K2-Exterior-CK01-01	North Wall, 1' from Northeast Corner, 3' Above Ground	None Detected
K2-Exterior-CK01-02	North Wall, 5' from Northwest Corner, 3' Above Ground	None Detected

<b>Material Type:</b> Surfacing (S) Texturing (T) Miscellaneous (M)	<b>Friability:</b> Friable (F) Type I Non-Friable (I) Type II Non-Friable (II)	<b>Condition:</b> Good (G) Fair (F) Poor (P)	<b>Disturbance Potential:</b> Low (L) Moderate (M) High (H)	<b>Assessment Categories:</b> 1. Damaged or significantly damaged TSI ACM 2. Damaged friable surfacing ACM 3. Significantly damaged friable surfacing ACM 4. Damaged or significantly damaged friable miscellaneous ACM 5. ACBM with potential for damage 6. ACBM with potential for significant damage 7. Any remaining friable ACBM or friable suspected ACBM
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# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## Anderson Hallas - Fall River Entrance Station Kiosk 2

HOMOGENOUS MATERIAL DESCRIPTION		
Adhesive/Mastic, Misc.		
CODE	SEQUENCE	SIZE
MA	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Clear Brown		Pink Countertop
QUANTITY	MATERIAL TYPE	FRIABLE
20	M	NF II
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K2-Interior-MA01-01	West Countertop, 6" from South Wall, 3' from West Wall, 3.5' Above Floor	None Detected
K2-Interior-MA01-02	East Countertop, 6" from South Wall, 3' From East Wall, 3.5' Above Floor	None Detected
K2-Interior-MA01-03	West Countertop, 6" from South Wall, 3' from West Wall, 3.5' Above Floor (Quality Control)	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 2*

HOMOGENOUS MATERIAL DESCRIPTION		
OTHER		
CODE	SEQUENCE	SIZE
OT	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White Compound	Woven Cloth	Cover
QUANTITY	MATERIAL TYPE	FRIABLE
20	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K2-Exterior-OT01-01	East Side, 1' from Northeast Corner, 1' Above Ground	None Detected
K2-Exterior-OT01-02	East Side, 3' from Northeast Corner, 1' Above Ground	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)


**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 2*

HOMOGENOUS MATERIAL DESCRIPTION		
Paper/Felt, Misc.		
CODE	SEQUENCE	SIZE
PFM	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Black Paper	Fibrous	Yellow Fiberglass
QUANTITY	MATERIAL TYPE	FRIABLE
55	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K2-Interior-PFM01-01	2' from South Wall, 4' from East Wall, 8' Above Floor	None Detected
K2-Interior-PFM01-02	2' from South Wall, 4' from East Wall, 8' Above Floor	None Detected

<b>Material Type:</b> Surfacing (S) Texturing (T) Miscellaneous (M)	<b>Friability:</b> Friable (F) Type I Non-Friable (I) Type II Non-Friable (II)	<b>Condition:</b> Good (G) Fair (F) Poor (P)	<b>Disturbance Potential:</b> Low (L) Moderate (M) High (H)	<b>Assessment Categories:</b> 1. Damaged or significantly damaged TSI ACM 2. Damaged friable surfacing ACM 3. Significantly damaged friable surfacing ACM 4. Damaged or significantly damaged friable miscellaneous ACM 5. ACBM with potential for damage 6. ACBM with potential for significant damage 7. Any remaining friable ACBM or friable suspected ACBM
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# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 2*

HOMOGENOUS MATERIAL DESCRIPTION		
Roofing Felt		
CODE	SEQUENCE	SIZE
RF	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Black	Soft	Roofing System
QUANTITY	MATERIAL TYPE	FRIABLE
72	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K2-Roof-RF01-01	Beneath Wood Shingle, Northwest Corner	None Detected
K2-Roof-RF01-02	Beneath Wood Shingle, Southeast Corner	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

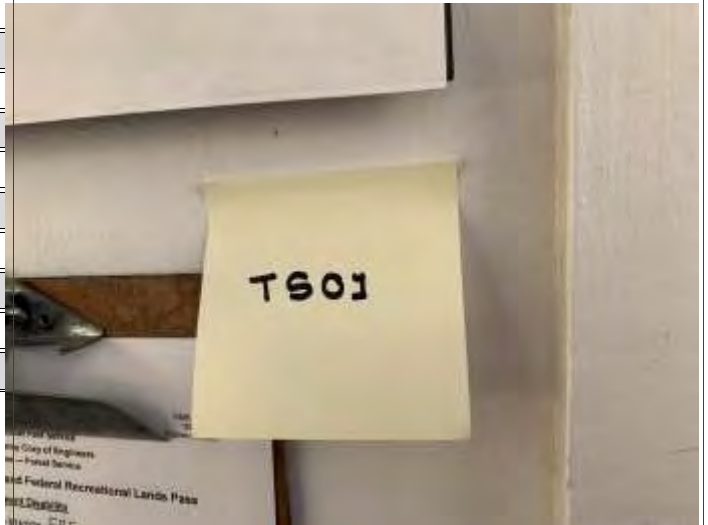
**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 2*

HOMOGENOUS MATERIAL DESCRIPTION		
Textured Surfacing		
CODE	SEQUENCE	SIZE
TS	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White Compound		
QUANTITY	MATERIAL TYPE	FRIABLE
311	S	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K2-Interior-TS01-01	Interior Ceiling, 1' from South Wall, 3' from West Wall	None Detected
K2-Interior-TS01-02	North Wall, 2' from West Wall, 4' Above Floor	None Detected
K2-Interior-TS01-03	South Wall, 2' from West Wall, 4' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

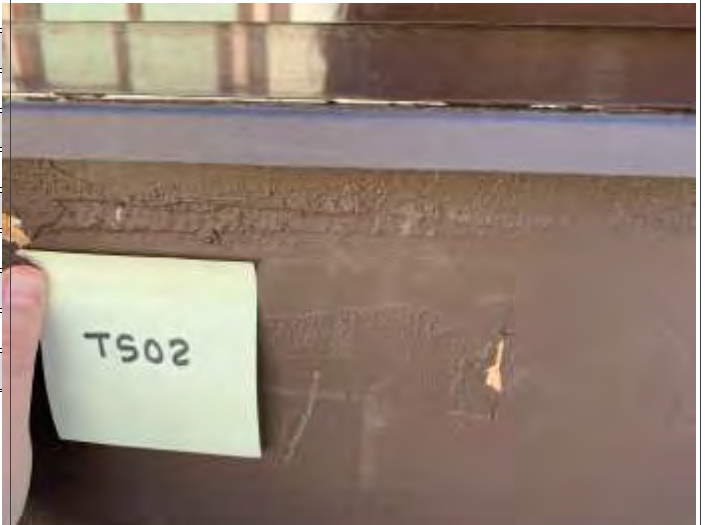
**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 2*

HOMOGENOUS MATERIAL DESCRIPTION		
Textured Surfacing		
CODE	SEQUENCE	SIZE
TS	02	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White	Woven Cloth	North Façade
QUANTITY	MATERIAL TYPE	FRIABLE
1	S	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K2-Exterior-TS02-01	North Façade, 2' from Northwest Corner, 4' Above Ground	None Detected
K2-Exterior-TS02-02	North Façade, 3' from Northwest Corner, 4' Above Ground	None Detected
K2-Exterior-TS02-03	North Façade, 4' from Northwest Corner, 4' Above Ground	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# SUMMARY OF NON-ASBESTOS CONTAINING MATERIALS SORTED BY MATERIAL TYPE AND ID

*Anderson Hallas - Fall River Entrance Station Kiosk 2*

## Non-Asbestos-Containing Material

### BUILDING: (K2)

#### HOMOGENEOUS MATERIAL

ROOM ID	LOCATION	QUANTITY	UNITS	MATERIAL CONDITION	DISTURBANCE POTENTIAL	COMMENTS
<b>CK-Caulking (interior/exterior)</b>						
<b>CK01</b>	<b>N/A Pink Pliable Caulking (interior/exterior), associated with Exterior Window -</b>					
Exterior	N. wall,	20	LF	Good	Low	
		<b>CK01 Total Qty</b>	<b>20</b>			
<b>CK-Caulking (interior/exterior) Total Qty</b>		<b>20</b>				
<b>MA-Adhesive/Mastic, Misc.</b>						
<b>MA01</b>	<b>N/A Clear Brown Adhesive/Mastic, Misc., associated with Pink Countertop -</b>					
Interior	E. wall, W. wall,	20	SF	Good	Low	
		<b>MA01 Total Qty</b>	<b>20</b>			
<b>MA-Adhesive/Mastic, Misc. Total Qty</b>		<b>20</b>				
<b>OT-OTHER</b>						
<b>OT01</b>	<b>N/A White Compound Woven Cloth OTHER, associated with Cover -</b>					
Exterior	E. wall,	20	SF	Good	Low	
		<b>OT01 Total Qty</b>	<b>20</b>			
<b>OT-OTHER Total Qty</b>		<b>20</b>				
<b>PFM-Paper/Felt, Misc.</b>						
<b>PFM01</b>	<b>N/A Black Paper Fibrous Paper/Felt, Misc., associated with Yellow Fiberglass -</b>					
Interior	Ceiling,	55	SF	Good	Low	
		<b>PFM01 Total Qty</b>	<b>55</b>			
<b>PFM-Paper/Felt, Misc. Total Qty</b>		<b>55</b>				
<b>RF-Roofing Felt</b>						
<b>RF01</b>	<b>N/A Black Soft Roofing Felt, associated with Roofing System -</b>					
Roof	Ceiling,	72	SF	Good	Low	
		<b>RF01 Total Qty</b>	<b>72</b>			
<b>RF-Roofing Felt Total Qty</b>		<b>72</b>				
<b>TS-Textured Surfacing</b>						
<b>TS01</b>	<b>N/A White Compound Textured Surfacing -</b>					
Interior	N. wall, E. wall, S. wall, W. wall, Ceiling,	311	SF	Good	Low	
		<b>TS01 Total Qty</b>	<b>311</b>			

# SUMMARY OF NON-ASBESTOS CONTAINING MATERIALS SORTED BY MATERIAL TYPE AND ID

*Anderson Hallas - Fall River Entrance Station Kiosk 2*

## *Non-Asbestos-Containing Material*

### **BUILDING: (K2)**

#### HOMOGENEOUS MATERIAL

ROOM ID	LOCATION	QUANTITY	UNITS	MATERIAL CONDITION	DISTURBANCE POTENTIAL	COMMENTS
<b>TS02</b>	<b>N/A White Woven Cloth Textured Surfacing, associated with North Façade -</b>					
Exterior	N. wall,	1	SF	Good	Low	
<b>TS02 Total Qty</b>		<b>1</b>				
<b>TS-Textured Surfacing Total Qty</b>		<b>312</b>				





January 17, 2022

**Subcontractor Number:**

**Laboratory Report:** RES 514817-1

**Project #/P.O. #:** 21115.001.001

**Project Description:** Rocky Mountain National Park, Fall  
River Entrance Station - Kiosk 2

Lauren Kryszczuk  
Landmark Environmental, Inc.  
7881 Shaffer Parkway  
Littleton CO 80127

Dear Lauren,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

**RES 514817-1** 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 of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. 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 have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Abigayle Call

Jeanne Spencer  
President



# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 514817-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk 2**  
 Date Samples Received: **January 12, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 17, 2022**

NA = Not Analyzed NR = Not Received ND = None Detected TR = Trace; <1 % Visual Estimate Trem-Act = Tremolite-Actinolite
---

Laboratory Sample ID  Client Sample Number	L A Y E R	Physical Description	Sub Part  (%)	Asbestos Content		Non-Asbestos Fibrous Components  (%)	Non-Fibrous Components  (%)
				Mineral	Visual Estimate  (%)		
514817 - K2-Exterior-CK01-01	A	Purple caulk w/ tan paint & tan wood	100		ND	15	85
514817 - K2-Exterior-CK01-02	A	Purple caulk w/ beige paint	100		ND	0	100
514817 - K2-Interior-MA01-01	A	Yellow adhesive	5		ND	0	100
	B	Pink/brown counter top	95		ND	60	40
514817 - K2-Interior-MA01-02	A	Yellow adhesive	5		ND	0	100
	B	Brown/pink counter top	95		ND	60	40
514817 - K2-Interior-MA01-03	A	Yellow adhesive	5		ND	0	100
	B	Brown/pink counter top	95		ND	60	40
514817 - K2-Exterior-OT01-01	A	Gray granular paint	15		ND	0	100
	B	White fibrous woven material w/ yellow resinous material	85		ND	75	25
514817 - K2-Exterior-OT01-02	A	Gray granular paint	10		ND	0	100
	B	White fibrous woven material w/ yellow resinous material	90		ND	60	40
514817 - K2-Roof-RF01-01	A	Black felt	100		ND	40	60
514817 - K2-Roof-RF01-02	A	Black felt	100		ND	40	60
514817 - K2-Interior-TS01-01	A	Tan wood w/ white/green paint	100		ND	40	60
514817 - K2-Interior-TS01-02	A	Tan wood w/ white/green paint	100		ND	40	60

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

## RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 514817-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk 2**  
 Date Samples Received: **January 12, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 17, 2022**

NA = Not Analyzed  
 NR = Not Received  
 ND = None Detected  
 TR = Trace; <1 % Visual Estimate  
 Trem-Act = Tremolite-Actinolite

Laboratory Sample ID	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
Client Sample Number							
514817 - K2-Interior-TS01-03	A	Tan wood w/ white/green paint	100		ND	40	60
514817 - K2-Exterior-TS02-01	A	Cream adhesive w/ brown paint	100		ND	0	100
514817 - K2-Exterior-TS02-02	A	Cream adhesive w/ brown paint	100		ND	0	100
514817 - K2-Exterior-TS02-03	A	Cream adhesive w/ brown paint	100		ND	0	100

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

*acall*  
 Abigayle Call  
 Analyst





Res Job#: 514817

Submitted By: Landmark Environmental, Inc.

Client Sample ID Number (Sample ID's must be unique)	REQUESTED ANALYSIS			VALID MATRIX CODES					LAB NOTES
	ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm
14 K2-Exterior-TS02-02	X					B			Laboratory Analysis Instructions
15 K2-Exterior-TS02-03	X					B			

REQUESTED ANALYSIS	VALID MATRIX CODES	LAB NOTES
<b>PLM - PLM Short Report (EPA/600/R-93/116)</b> <b>TEM</b> - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Chatfield, Drinking Water, Waste Water, Bulk +/-, CARB Modified Ahera <b>PCM</b> - 7400A, 7400B, OSHA <b>DUST</b> - Total, Respirable <b>METALS</b> - Analyte(s) Lead Only (7062, 7420, Waste Water, Foodware), Multi-Metals (7303, 6020A, 200.8, Waste Water, Foodware, OSHA ID-125G), pH (Liquid or Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan <b>ORGANICS</b> - Methamphetamine, TSS <b>VIABLES</b> - Campylobacter, Bacillus, Salmonella (Culturable or 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S.aureus, Yeast & Mold, Aerobic Plate Count, Coliforms/E.coli - (State Water, Drinking Water, Non-Drinking Water, +/-, Quantification), Lactic Acid, Viable Microbial Count (wo/ID or w/ID), Enterococcus (+/- or Quantification), Legionella (P, NP, C) <b>MEDICAL</b> - Bioburden, LAL <b>MOLD</b> - Spore Trap, Bulk Mold, Particulate Identification	Air = A                      Bulk = B Dust = D                      Food = F Paint = P                      Soil = S Surface = SU                      Swab = SW Tape = T                      Wipe = W Drinking Water = DW Waste Water = WW **ASTM E1792 approved wipe media only**	



January 31, 2022

**Subcontractor Number:**

**Laboratory Report:** RES 516149-1

**Project #/P.O. #:** 21115.001.001

**Project Description:** Rocky Mountain National Park, Fall  
River Entrance Station - Kiosk 2

Lauren Kryszczuk  
Landmark Environmental, Inc.  
7881 Shaffer Parkway  
Littleton CO 80127

Dear Lauren,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

**RES 516149-1** 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 of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. 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 have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Josh Baker

Jeanne Spencer  
President



## RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 516149-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk 2**  
 Date Samples Received: **January 31, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 31, 2022**

NA = Not Analyzed  
 NR = Not Received  
 ND = None Detected  
 TR = Trace; <1 % Visual Estimate  
 Trem-Act = Tremolite-Actinolite

Laboratory Sample ID	L A Y E R	Physical Description	Sub Part  (%)	Asbestos Content		Non-Asbestos Fibrous Components  (%)	Non-Fibrous Components  (%)
				Mineral	Visual Estimate  (%)		
516149 - K2-Interior-PFM01-01	A	Black felt	5		ND	75	25
	B	Yellow insulation	95		ND	95	5
516149 - K2-Interior-PFM01-02	A	Black felt	35		ND	75	25
	B	Yellow insulation	65		ND	95	5

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



Josh E. Baker  
Analyst



RES Job #: 516149

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES	
Company: <b>Landmark Environmental, Inc.</b>		Company: <b>Landmark Environmental, Inc.</b>		Contact: <b>Lauren Kryszczuk</b>		<b>-1 PLM Priority</b>	
Address: <b>7881 Shaffer Parkway</b>		Address: <b>7881 Shaffer Parkway</b>		Phone: <b>(720) 468-9626</b>			
Littleton, CO 80127		Littleton, CO 80127		Fax:			
Project Number and/or P.O. #: <b>21115.001.001</b>				Cell:			
Project Description/Location: <b>Rocky Mountain National Park, Fall River Entrance Station - Kiosk 2</b>				Final Data Deliverable Email Address:			
				<b>lkryszczuk@landmarkenviro.com (+ 3 ADDNL. CONTACTS)</b>			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm				REQUESTED ANALYSIS				VALID MATRIX CODES				LAB NOTES
<b>PLM</b> / PCM / TEM	DTL	RUSH	<b>PRIORITY</b> STANDARD	<b>PLM - PLM Short Report (EPA/600/R-93/116)</b> TEM - AHERA (+/- or Quantified), Microvacc (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Chatfield, Drinking Water, Waste Water, Bulk +/-, CARB Modified Ahera PCM - 7400A, 7400B, OSHA DUST - Total, Respirable METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metals (7303, 6020A, 200.8, Waste Water, Foodware, OSHA ID-125G), pH (Liquid or Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan ORGANICS - Methamphetamine, TSS VIABLES - Campylobacter, Bacillus, Salmonella (Culturable or 1-2), Listeria, E.coli O157:H7, E.coli/Colliforms - Plated, S.aureus, Yeast & Mol, Aerobic Plate Count, Coliforms/E.coli - (State Water, Drinking Water, Non-Drinking Water, +/-, Quantification), Lactic Acid, Viable Microbial Count (w/ID or w/ID), Enterococcus (+/- or Quantification), Legionella (P, NP, C) MEDICAL - Bieburden, LAL MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B						
<b>CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm</b>					Dust = D	Food = F						
Dust	RUSH	PRIORITY	STANDARD		Paint = P	Soil = S						
Metals	RUSH	PRIORITY	STANDARD		Surface = SU	Swab = SW						
Organics*	SAME DAY	RUSH	PRIORITY STANDARD		Tape = T	Wipe = W						
<b>MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm</b>					Drinking Water = DW							
Viable Analysis**	PRIORITY	STANDARD			Waste Water = WW							
Medical Device Analysis	RUSH	STANDARD	**TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH		**ASTM E1792 approved wipe media only**							
Mold Analysis	RUSH	PRIORITY	STANDARD		Sample Volume (L) / Area	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm			
**Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.** Special Instructions:					Length (or Aliquots) x Width (or Area per Aliquot)							
Client Sample ID Number	(Sample ID's must be unique)			ASBESTOS	CHEMISTRY	MICROBIOLOGY	Laboratory Analysis Instructions					
1	K2-Interior-PFM01-01			X			B					
2	K2-Interior-PFM01-02			X			B					

REI will analyze incoming samples based on information 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 shall constitute 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:		<b>Lauren Kryszczuk</b>	Date/Time: <b>01/31/2022 11:56:01</b>	Sample Condition: <b>Acceptable</b>
Received By:		<b>Miria Wolf</b>	Date/Time: <b>01/31/2022 12:30:25</b>	Carrier: <b>Hand</b>

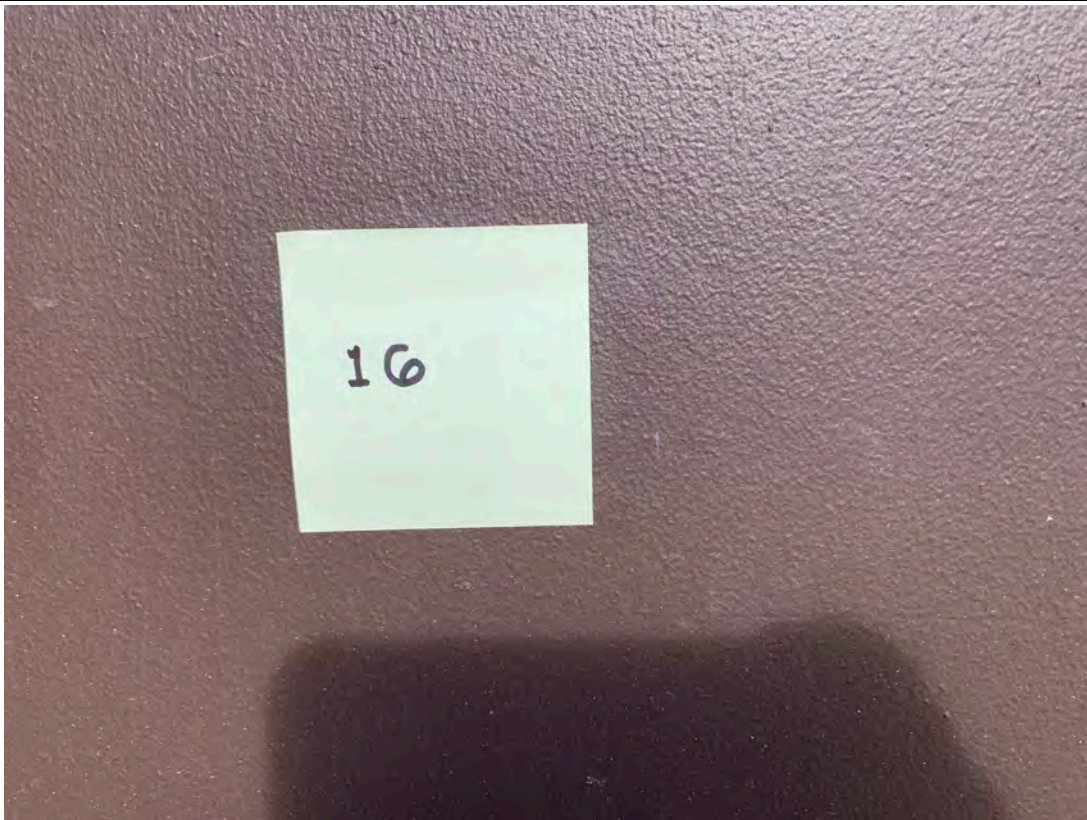


**LEAD INSPECTION SAMPLE LOG**

<b>Project Name:</b>	Fall River Entrance Station - Kiosk 2			<b>Inspector:</b>	Lauren Kryszczuk			
<b>Location:</b>	Rocky Mountain National Park (ROMO)			<b>Date:</b>	1/11/2022			
<b>Client:</b>	Anderson Hallas			<b>XRF</b>	On-site XRF meter reading			
Sample No.	Location	Component	Substrate	Feature	Condition	Color	Result (%)	Screen Result
1	Exterior Façade (North)	Signage Board	Wood	Signage	Good	Dark Brown	0	NL
2	Exterior Façade (North)	Door Frame	Wood	Door Frame	Good	Dark Tan	0.12	LCP
3	Exterior Façade (North)	Door	Wood	Door	Good	Dark Brown	0.03	LCP
4	Exterior Façade (North)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.09	LCP
5	Exterior Façade (North)	Door Threshold	Wood	Threshold	Good	Dark Brown	0.04	LCP
6	Exterior Façade (North)	Window Frame	Wood	Window Frame	Fair	Dark Tan	0.1	LCP
7	Exterior Façade (East)	Wall Frame	Wood	Wall Frame	Good	Dark Tan	0.24	LCP
8	Exterior Façade (East)	Window Frame	Wood	Window Frame	Good	Dark Brown	0	NL
9	Exterior Façade (East)	Exterior Wall	Wood	Façade	Good	Dark Brown	0	NL
10	Exterior Façade (East)	Roof Soffit	Wood	Soffit	Good	Dark Brown	0.23	LCP
11	Exterior Façade (South)	Roof Frame	Wood	Roof Frame	Good	Dark Tan	0.26	LCP
12	Exterior Façade (South)	Window Frame	Wood	Window Frame	Good	Dark Tan	0	NL
13	Exterior Façade (South)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.3	LCP
14	Exterior Façade (South)	Door	Wood	Door	Good	Dark Brown	0.31	LCP
15	Exterior Façade (South)	Door Frame	Wood	Door Frame	Good	Dark Brown	0.24	LCP
16	<b>Exterior Façade (South)</b>	<b>Exterior Wall</b>	<b>Wood</b>	<b>Wall Panel</b>	<b>Good</b>	<b>Dark Brown</b>	<b>2.82</b>	<b>LBP</b>
17	Exterior Façade (West)	Window Frame	Wood	Window Frame	Good	Dark Tan	0.16	LCP
18	Exterior Façade (West)	Roof Frame	Wood	Roof Frame	Good	Dark Tan	0.2	LCP
19	Exterior Façade (West)	Roof Soffit	Wood	Roof Frame	Good	Dark Brown	0.17	LCP
20	Interior Kiosk (North)	Door	Wood	Door	Good	Bright White	0.08	LCP
21	Interior Kiosk (North)	Door Frame	Wood	Door Frame	Good	Bright White	0.31	LCP
22	Interior Kiosk (East)	Countertop	Vinyl	Countertop	Good	Light Pink	0	NL
23	Interior Kiosk (South)	Interior Wall	Wood	Wall	Good	Bright White	0.32	LCP
24	Interior Kiosk (South)	Interior Wall	Wood	Wall	Good	Bright White	0	NL
25	Interior Kiosk (South)	Windowsill	Wood	Windowsill	Good	Bright White	0	NL
26	Interior Kiosk (North)	Windowsill	Wood	Windowsill	Good	Bright White	0	NL
27	Interior Kiosk (East)	Desk Drawer	Wood	Desk Drawer	Good	Bright White	0.33	LCP
28	Interior Kiosk (Ceiling)	Ceiling Panel	Wood	Ceiling	Good	Bright White	0.25	LCP
29	Calibration	-	-	-	-	White	0	NL
30	Calibration	-	-	-	-	White	0	NL
31	Calibration	-	-	-	-	White	0	NL
32	<b>Calibration</b>	-	-	-	-	<b>Red</b>	<b>1.17</b>	<b>LBP</b>
33	<b>Calibration</b>	-	-	-	-	<b>Red</b>	<b>1.29</b>	<b>LBP</b>
34	<b>Calibration</b>	-	-	-	-	<b>Red</b>	<b>1.46</b>	<b>LBP</b>
Notes: NL - Not Lead, LCP - Lead-Containing Paint, LBP - Lead-Based Paint								



<b>LANDMARK Project No.</b> 21115.001.001	<b>Description</b>	Front exterior of the Kiosk 2 building structure, looking to the northeast.	<b>Photo 1</b>
	<b>Site Name</b>	Rocky Mountain National Park – Fall River Entrance Station Kiosk 2	<b>Photo Date</b> 01/11/2022



<b>LANDMARK Project No.</b> 21115.001.001	<b>Description</b>	Screening No. 16, Exterior Façade (South), Dark Brown Panel, 2.82 mg/cm <sup>2</sup> , LBP	<b>Photo 2</b>
	<b>Site Name</b>	Rocky Mountain National Park – Fall River Entrance Station Kiosk 2	<b>Photo Date</b> 01/11/2022

**Regulated Building Material Summary Table**

**RBM's PRESUMPTIVE INVENTORY LIST**

Room #	CE	CFC	EL	EX	FE	CL	FL-2'	FL-4'	FL-8'	FL-0	LB	FS	HID	LS	MEF	MTG	RB	SD	TF	OT	XX	Comments	
Interior	1				1																		CE = One desktop computer with a cash register and printer. One security camera.
Exterior	1						2				2												CE = One security camera.
Roof																					XX		XX = No RBMs were observed.
<b>TOTAL</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

CE = Comp. equip.; CFC = Refrigerants; EL = Emergency lighting; EX = Exit signs; FE = Fire extinguishers (hand held); CL = Compact light bulb; FL-2' = 2' Fluorescent lamp; FL-4' = 4' Fluorescent lamp; FL-8' = 8' Fluor. lamp; FL-0 = Fluorescent lamp other; FS = Fire suppression system; HID = High intensity lights; LB = Light ballast; LS = Lead sheeting; MEF = Mech equip. fluids; MTG = Mercury switch/gauge/etc.; RB = Rechargeable battery; SD = Smoke detectors; TF = Transformer; OT = Other; XX = No RBMs



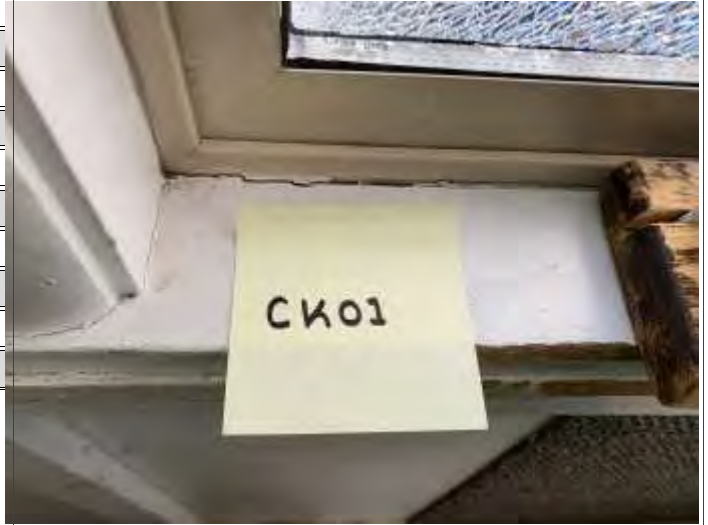
## Appendix C

### KIOSK 3

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 3*

HOMOGENOUS MATERIAL DESCRIPTION		
Caulking (interior/exterior)		
CODE	SEQUENCE	SIZE
CK	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Off-White Grey	Brittle	Interior Windows
QUANTITY	MATERIAL TYPE	FRIABLE
20	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K3-Interior-CK01-01	North Wall, Below Window, 5' from West Wall, 3.5' Above Floor	None Detected
K3-Interior-CK01-02	North Wall, Below Window, 9' from West Wall, 3.5' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

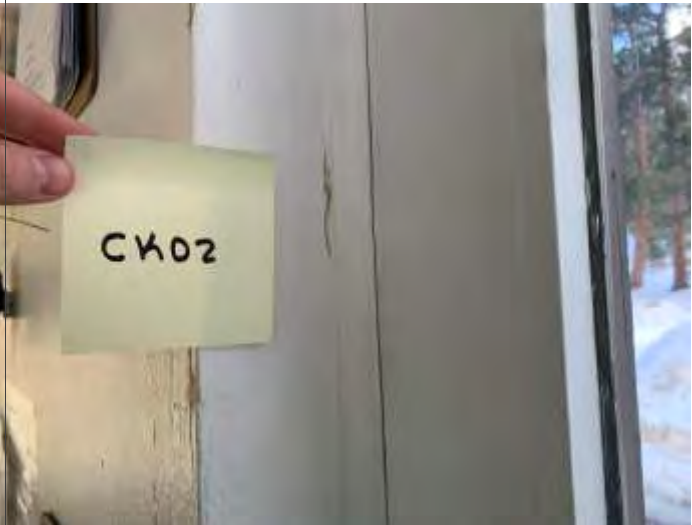
**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 3*

HOMOGENOUS MATERIAL DESCRIPTION		
Caulking (interior/exterior)		
CODE	SEQUENCE	SIZE
CK	02	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Bright White	Brittle	Interior Doors
QUANTITY	MATERIAL TYPE	FRIABLE
20	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K3-Interior-CK02-01	North Wall, West Side of Door Frame, 5' Above Floor	None Detected
K3-Interior-CK02-02	North Wall, East Side of Door Frame, 5' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 3*

HOMOGENOUS MATERIAL DESCRIPTION		
Caulking (interior/exterior)		
CODE	SEQUENCE	SIZE
CK	03	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Bright White	Brittle	Exterior Façade
QUANTITY	MATERIAL TYPE	FRIABLE
36	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K3-Exterior-CK03-01	North Wall, at Northeast Corner, 3' Above Ground	None Detected
K3-Exterior-CK03-02	South Wall, 3' from Southwest Corner, 3' Above Ground	None Detected
K3-Exterior-CK03-03	South Wall, 3.5' from Southwest Corner, 3' Above Ground (Quality Control)	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 3*

HOMOGENOUS MATERIAL DESCRIPTION		
Adhesive/Mastic, Misc.		
CODE	SEQUENCE	SIZE
MA	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Clear Brown		Pink Countertop
QUANTITY	MATERIAL TYPE	FRIABLE
20	M	NF II
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K3-Interior-MA01-01	West Countertop, 6" from South Wall, 2' from West Wall, 3.5' Above Floor	None Detected
K3-Interior-MA01-02	East Countertop, 6" from South Wall, 2.5' from East Wall, 3.5' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM



# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## *Anderson Hallas - Fall River Entrance Station Kiosk 3*

HOMOGENOUS MATERIAL DESCRIPTION		
Roofing Felt		
CODE	SEQUENCE	SIZE
RF	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Black	Soft	Wood Shingles
QUANTITY	MATERIAL TYPE	FRIABLE
72	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K3-Roof-RF01-01	Northwest Corner, 8' Above Ground	None Detected
K3-Roof-RF01-02	Southeast Corner, 8' Above Ground	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

## Anderson Hallas - Fall River Entrance Station Kiosk 3

HOMOGENOUS MATERIAL DESCRIPTION		
Textured Surfacing		
CODE	SEQUENCE	SIZE
TS	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Bright White		Walls Ceilings
QUANTITY	MATERIAL TYPE	FRIABLE
311	S	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
K3-Interior-TS01-01	North Wall, 2.5' from West Wall, 5' Above Floor	None Detected
K3-Interior-TS01-02	South Wall, 2.5' from West Wall, 5' Above Floor	None Detected
K3-Interior-TS01-03	Ceiling, 1' from North Wall, 3' from West Wall, 8' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# SUMMARY OF NON-ASBESTOS CONTAINING MATERIALS SORTED BY MATERIAL TYPE AND ID

*Anderson Hallas - Fall River Entrance Station Kiosk 3*

## Non-Asbestos-Containing Material

### BUILDING: (K3)

#### HOMOGENEOUS MATERIAL

ROOM ID	LOCATION	QUANTITY	UNITS	MATERIAL CONDITION	DISTURBANCE POTENTIAL	COMMENTS
<b>CK-Caulking (interior/exterior)</b>						
<b>CK01</b>	<b>N/A Off-White Grey Brittle Caulking (interior/exterior), associated with Interior Windows -</b>					
Interior	N. wall,	20	LF	Good	Low	
		<b>CK01 Total Qty</b>	<b>20</b>			
<b>CK02</b>	<b>N/A Bright White Brittle Caulking (interior/exterior), associated with Interior Doors -</b>					
Interior	N. wall,	20	LF	Good	Low	
		<b>CK02 Total Qty</b>	<b>20</b>			
<b>CK03</b>	<b>N/A Bright White Brittle Caulking (interior/exterior), associated with Exterior Façade -</b>					
Exterior	N. wall, E. wall, S. wall, W. wall,	36	LF	Good	Low	
		<b>CK03 Total Qty</b>	<b>36</b>			
<b>CK-Caulking (interior/exterior) Total Qty</b>		<b>76</b>				
<b>MA-Adhesive/Mastic, Misc.</b>						
<b>MA01</b>	<b>N/A Clear Brown Adhesive/Mastic, Misc., associated with Pink Countertop -</b>					
Interior	E. wall, W. wall,	20	SF	Good	Low	
		<b>MA01 Total Qty</b>	<b>20</b>			
<b>MA-Adhesive/Mastic, Misc. Total Qty</b>		<b>20</b>				
<b>RF-Roofing Felt</b>						
<b>RF01</b>	<b>N/A Black Soft Roofing Felt, associated with Wood Shingles -</b>					
Roof	Ceiling,	72	SF	Good	Low	
		<b>RF01 Total Qty</b>	<b>72</b>			
<b>RF-Roofing Felt Total Qty</b>		<b>72</b>				
<b>TS-Textured Surfacing</b>						
<b>TS01</b>	<b>N/A Bright White Textured Surfacing, associated with Walls Ceilings -</b>					
Interior	N. wall, E. wall, S. wall, W. wall, Ceiling,	311	SF	Good	Low	
		<b>TS01 Total Qty</b>	<b>311</b>			
<b>TS-Textured Surfacing Total Qty</b>		<b>311</b>				



January 17, 2022

**Subcontractor Number:**

**Laboratory Report:** RES 514818-1

**Project #/P.O. #:** 21115.001.001

**Project Description:** Rocky Mountain National Park, Fall  
River Entrance Station - Kiosk 3

Lauren Kryszczuk  
Landmark Environmental, Inc.  
7881 Shaffer Parkway  
Littleton CO 80127

Dear Lauren,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

**RES 514818-1** 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 of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. 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 have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Ryan Shilling

Jeanne Spencer  
President



# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 514818-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk 3**  
 Date Samples Received: **January 12, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 17, 2022**

NA = Not Analyzed NR = Not Received ND = None Detected TR = Trace; <1 % Visual Estimate Trem-Act = Tremolite-Actinolite
---

Laboratory Sample ID  Client Sample Number	L A Y E R	Physical Description	Sub Part  (%)	Asbestos Content		Non- Asbestos Fibrous Components  (%)	Non- Fibrous Components  (%)
				Mineral	Visual Estimate  (%)		
514818 - K3-Interior-CK01-01	A	Off white caulk w/ off white paint	100		ND	0	100
514818 - K3-Interior-CK01-02	A	Off white caulk w/ off white paint	100		ND	0	100
514818 - K3-Interior-CK02-01	A	Off white/multi-colored resinous material	100		ND	0	100
514818 - K3-Interior-CK02-02	A	Off white/multi-colored resinous material	100		ND	0	100
514818 - K3-Exterior-CK03-01	A	Brownish-red resinous material w/ beige paint	40		ND	0	100
	B	White resinous material w/ beige paint	60		ND	0	100
514818 - K3-Exterior-CK03-02	A	Brownish-red resinous material w/ beige paint	100		ND	0	100
514818 - K3-Exterior-CK03-03	A	Brownish-red resinous material w/ beige paint	100		ND	0	100
514818 - K3-Interior-MA01-01	A	Orange adhesive	5		ND	0	100
	B	Pink counter top	95		ND	65	35
514818 - K3-Interior-MA01-02	A	Orange adhesive	3		ND	0	100
	B	Pink counter top	97		ND	65	35
514818 - K3-Roof-RF01-01	A	Black fibrous tar	100		ND	40	60
514818 - K3-Roof-RF01-02	A	Black fibrous tar	100		ND	40	60
514818 - K3-Interior-TS01-01	A	Tan wood w/ white/green paint	100		ND	85	15
514818 - K3-Interior-TS01-02	A	Tan wood w/ white/green paint	100		ND	85	15

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

# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 514818-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk 3**  
 Date Samples Received: **January 12, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 17, 2022**

NA = Not Analyzed NR = Not Received ND = None Detected TR = Trace; <1 % Visual Estimate Trem-Act = Tremolite-Actinolite
---

Laboratory Sample ID	L A Y E R	Physical Description	Sub Part  (%)	Asbestos Content		Non- Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
Client Sample Number							
514818 - K3-Interior-TS01-03	A	Tan wood w/ white/green paint	100		ND	85	15

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

  
 Ryan Shilling  
 Analyst



RES Job #: 514818

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES	
Company: <b>Landmark Environmental, Inc.</b>		Company: <b>Landmark Environmental, Inc.</b>		Contact: <b>Lauren Kryszczuk</b>		<b>-1 PLM Priority</b>	
Address: <b>7881 Shaffer Parkway</b>		Address: <b>7881 Shaffer Parkway</b>		Phone: <b>(720) 468-9626</b>			
Address: <b>Littleton, CO 80127</b>		Address: <b>Littleton, CO 80127</b>		Fax:			
Project Number and/or P.O. #: <b>21115.001.001</b>		Project Description/Location: <b>Rocky Mountain National Park, Fall River Entrance Station - Kiosk 3</b>		Final Data Deliverable Email Address: <b>lkryszczuk@landmarkenviro.com (+ 4 ADDNL. CONTACTS)</b>			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm				REQUESTED ANALYSIS				VALID MATRIX CODES				LAB NOTES							
PLM / PCM / TEM	DTL	RUSH	PRIORITY	STANDARD	ASBESTOS	CHEMISTRY	MICROBIOLOGY	Air = A	Bulk = B	Dust = D	Food = F	Paint = P	Soil = S	Surface = SU	Swab = SW	Tape = T	Wipe = W	Drinking Water = DW Waste Water = WW **ASTM E1792 approved wipe media only**	Laboratory Analysis Instructions
<b>CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm</b>																			
Dust	RUSH	PRIORITY	STANDARD																
Metals	RUSH	PRIORITY	STANDARD	*PRIOR NOTICE REQUIRED FOR SAME DAY TAT															
Organics*	SAME DAY	RUSH	PRIORITY	STANDARD															
<b>MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm</b>																			
Viable Analysis**	PRIORITY	STANDARD		**TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH															
Medical Device Analysis	RUSH	STANDARD																	
Mold Analysis	RUSH	PRIORITY	STANDARD																
<b>**Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.**</b>																			
<b>Special Instructions:</b>																			
<b>Client Sample ID Number</b> (Sample ID's must be unique)																			
1	K3-Interior-CK01-01				X														
2	K3-Interior-CK01-02				X														
3	K3-Interior-CK02-01				X														
4	K3-Interior-CK02-02				X														
5	K3-Exterior-CK03-01				X														
6	K3-Exterior-CK03-02				X														
7	K3-Exterior-CK03-03				X														
8	K3-Interior-MA01-01				X														
9	K3-Interior-MA01-02				X														
10	K3-Roof-RF01-01				X														
11	K3-Roof-RF01-02				X														
12	K3-Interior-TS01-01				X														
13	K3-Interior-TS01-02				X														

REI will analyze incoming samples based on information 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 shall constitute 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:		<b>Lauren Kryszczuk</b>	Date/Time: <b>01/12/2022 16:58:18</b>	Sample Condition: <b>Acceptable</b>
Received By:		<b>Monica Morales</b>	Date/Time: <b>01/12/2022 18:07:04</b>	Carrier: <b>Hand</b>



Res Job#: 514818

Submitted By: Landmark Environmental, Inc.

Client Sample ID Number 14 K3-Interior-TS01-03	REQUESTED ANALYSIS			VALID MATRIX CODES					LAB NOTES
	ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm
(Sample ID's must be unique)	X					B			Laboratory Analysis Instructions

REQUESTED ANALYSIS			VALID MATRIX CODES					LAB NOTES
<b>PLM - PLM Short Report (EPA/600/R-93/116)</b> TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Chatfield, Drinking Water, Waste Water, Bulk +/-, CARB Modified Ahera PCM - 7400A, 7400B, OSHA DUST - Total, Respirable METALS - Analyte(s) Lead Only (7062, 7420, Waste Water, Foodware), Multi-Metals (7303, 6020A, 200.8, Waste Water, Foodware, OSHA ID-125G), pH (Liquid or Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan ORGANICS - Methamphetamine, TSS VIABLES - Campylobacter, Bacillus, Salmonella (Culturable or 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S.aureus, Yeast & Mold, Aerobic Plate Count, Coliforms/E.coli - (State Water, Drinking Water, Non-Drinking Water, +/-, Quantification), Lactic Acid, Viable Microbial Count (wo/ID or w/ID), Enterococcus (+/- or Quantification), Legionella (P, NP, C) MEDICAL - Bioburden, LAL MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B						
	Dust = D	Food = F						
	Paint = P	Soil = S						
	Surface = SU	Swab = SW						
	Tape = T	Wipe = W						
	Drinking Water = DW							
	Waste Water = WW							
	**ASTM E1792 approved wipe media only**							



**LEAD INSPECTION SAMPLE LOG**

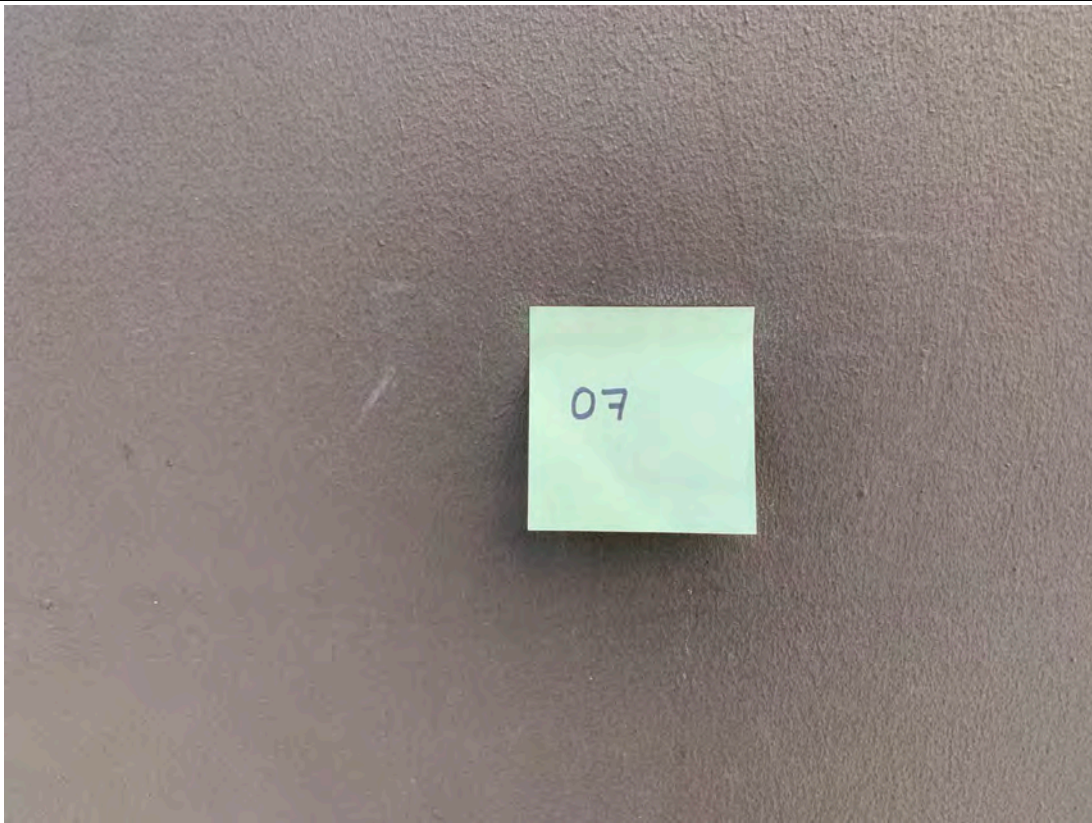
<b>Project Name:</b>	Fall River Entrance Station - Kiosk 3			<b>Inspector:</b>	Lauren Kryszczuk			
<b>Location:</b>	Rocky Mountain National Park (ROMO)			<b>Date:</b>	1/11/2022			
<b>Client:</b>	Anderson Hallas			<b>XRF</b>	On-site XRF meter reading			
<b>Sample No.</b>	<b>Location</b>	<b>Component</b>	<b>Substrate</b>	<b>Feature</b>	<b>Condition</b>	<b>Color</b>	<b>Result (%)</b>	<b>Screen Result</b>
1	Calibration					White	0	NL
2	Calibration					White	0	NL
3	Calibration					White	0	NL
4	Calibration					Red	1.22	LBP
5	Calibration					Red	1.26	LBP
6	Calibration					Red	1.21	LBP
7	Exterior Façade (South)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.82	LBP
8	Exterior Façade (South)	Façade Frame	Wood	Façade Frame	Good	Dark Tan	0.23	LCP
9	Exterior Façade (South)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.28	LCP
10	Exterior Façade (South)	Door Frame	Wood	Door Frame	Good	Dark Brown	0.23	LCP
11	Exterior Façade (South)	Door	Wood	Door	Good	Dark Brown	0.13	LCP
12	Exterior Façade (South)	Door Threshold	Concrete	Door Threshold	Good	Dark Brown	0	NL
13	Exterior Façade (South)	Wall Frame	Wood	Wall Frame	Good	Dark Tan	0.12	LCP
14	Exterior Façade (South)	Window Frame	Wood	Window Frame	Good	Dark Brown	0	NL
15	Exterior Façade (South)	Roof Frame	Wood	Roof Frame	Good	Dark Tan	0.19	LCP
16	Exterior Façade (East)	Roof Soffit	Wood	Roof Soffit	Good	Dark Brown	0.22	LCP
17	Exterior Façade (East)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.08	LCP
18	Exterior Façade (East)	Wall Frame	Wood	Wall Frame	Good	Dark Tan	0.19	LCP
19	Exterior Façade (East)	Window Frame	Wood	Window Frame	Good	Dark Brown	0	NL
20	Exterior Façade (East)	Roof Frame	Wood	Roof Frame	Good	Dark Tan	0.27	LCP
21	Exterior Façade (North)	Storage Box	Wood	Box	Fair	Dark Brown	0	NL
22	Exterior Façade (North)	Door Frame	Wood	Door Frame	Good	Dark Tan	0.26	LCP
23	Exterior Façade (North)	Door	Wood	Door	Good	Dark Brown	0.08	LCP
24	Exterior Façade (North)	Signage Board	Wood	Sign	Good	Dark Brown	0	NL
25	Exterior Façade (North)	Roof Frame	Wood	Roof Frame	Good	Dark Tan	0.16	LCP
26	Exterior Façade (West)	Roof Soffit	Wood	Roof Soffit	Good	Dark Brown	0.19	LCP
27	Exterior Façade (West)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.27	LCP
28	Interior Kiosk (Floor)	Floor Slab	Concrete	Floor	Fair	Light Grey	0	NL
29	Interior Kiosk (South)	Wall Base	Concrete	Wall Base	Good	Dark Brown	0.01	LCP
30	Interior Kiosk (South)	Interior Wall	Wood	Wall	Good	Bright White	0.16	LCP
31	Interior Kiosk (South)	Window Frame	Wood	Window Frame	Fair	Bright White	0.39	LCP
32	Interior Kiosk (North)	Door Frame	Wood	Door Frame	Good	Bright White	0	NL
33	Interior Kiosk (North)	Door	Wood	Door	Good	Bright White	0.04	LCP
34	Interior Kiosk (North)	Interior Wall	Wood	Wall	Good	Bright White	0.18	LCP
35	Interior Kiosk (Ceiling)	Wood Ceiling	Wood	Ceiling	Good	Bright White	0.2	LCP
36	Interior Kiosk (West)	Countertop	Vinyl	Countertop	Good	Light Pink	0	NL
37	Interior Kiosk (East)	Desk Drawers	Wood	Desk Drawers	Good	Bright White	0.11	LCP

Notes: NL - Not Lead, LCP - Lead-Containing Paint, LBP - Lead-Based Paint





<b>LANDMARK Project No.</b> 21115.001.001	<b>Description</b>	Front exterior of Kiosk 3 building structure, looking to the southeast.	<b>Photo 1</b>
	<b>Site Name</b>	Rocky Mountain National Park – Fall River Entrance Station Kiosk 3	<b>Photo Date</b> 01/11/2022



<b>LANDMARK Project No.</b> 21115.001.001	<b>Description</b>	Screening No. 7, Exterior Façade (South), Dark Brown Panel, 0.82 mg/cm <sup>2</sup> , LBP	<b>Photo 2</b>
	<b>Site Name</b>	Rocky Mountain National Park – Fall River Entrance Station Kiosk 3	<b>Photo Date</b> 01/11/2022

**Lead Inspection Form**

<b>Client</b>		<b>Site Address</b>		<b>Landmark Project #</b>		<b>Date:</b>	1/11/2022
Anderson Hallas - National Park Service		Rocky Mountain National, Fall River Entrance Station Kiosk 3		21115.001.001		<b>Inspector:</b>	L. Kryszczuk
<b>Sample ID</b>	<b>Location</b>	<b>Component</b>	<b>Substrate</b>	<b>Result (mg/Kg)</b>	<b>Screen Result</b>		
Kiosk 3-Soil-01	South dripline area of the Kiosk 3 building structure.	Soil from south dripline area.	Soil	32.9	PASS		

PASS = Less than the EPA 1200 ppm limit for residential soils (non-child play area)





January 13, 2022

**Subcontractor Number:**

**Laboratory Report:** RES 514820-1

**Project #/P.O. #:** 21115.001.001

**Project Description:** Rocky Mountain National Park, Fall  
River Entrance Station - Kiosk 3

Lauren Kryszczuk  
Landmark Environmental, Inc.  
7881 Shaffer Parkway  
Littleton CO 80127

Dear Lauren,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533. The laboratory is currently proficient in both IHPAT & ELPAT programs respectively.

Reservoirs has analyzed the following sample(s) using Atomic Absorption Spectroscopy (AAS) / Inductively Coupled Plasma - Mass Spectrometry (ICP-MS) 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 514820-1** 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 of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. 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 have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

A handwritten signature in blue ink that reads "Robin Klover".

by Jeff Green

Robin Klover  
Vice President



# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

## TABLE: I ANALYSIS: LEAD IN SOIL

RES Job Number: **RES 514820-1**  
Client: **Landmark Environmental, Inc.**  
Client Project/P.O.: **21115.001.001**  
Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk  
3**  
Date Samples Received: **January 12, 2022**  
Analysis Type: **REI CHEMISTRY SOP / USEPA SW846 3050B/7420-M**  
Turnaround: **Priority**

NA = Not Analyzed
NR = Not Received
ND = None Detected
BAS = Below Analytical Sensitivity
BRL = Below Reporting Limit

Laboratory Sample ID	Reporting Limit	LEAD CONCENTRATION
Client ID Number	(mg/kg)	(mg/kg)
514820 - Kiosk 3-Soil-01	24.4	32.9

Unless otherwise noted on the QC table, all quality control samples performed within specifications established by the laboratory

Unless otherwise noted sample analyses have not been blank corrected



Jeff Green

Analyst

# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

## TABLE: I ANALYSIS: LEAD IN SOIL

RES Job Number: **RES 514820-1**  
Client: **Landmark Environmental, Inc.**  
Client Project/P.O.: **21115.001.001**  
Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Kiosk  
3**  
Date Samples Received: **January 12, 2022**  
Analysis Type: **REI CHEMISTRY SOP / USEPA SW846 3050B/7420-M**  
Turnaround: **Priority**

NA = Not Analyzed
NR = Not Received
ND = None Detected
BAS = Below Analytical Sensitivity
BRL = Below Reporting Limit

Quality Control Batch	Analyte	Matrix Blank (µg)	Matrix Duplicate (%RPD)	Matrix Spike (% Recovery)	Laboratory Control Sample (% Recovery)
011322-2	Pb	BRL	0	100	102

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

Unless otherwise noted sample analyses have not been blank corrected



Jeff Green

Analyst



RES Job #: 514820

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES	
Company: <b>Landmark Environmental, Inc.</b>		Company: <b>Landmark Environmental, Inc.</b>		Contact: <b>Lauren Kryszczuk</b>		<b>-1 Chem Priority</b>	
Address: <b>7881 Shaffer Parkway</b>		Address: <b>7881 Shaffer Parkway</b>		Phone: <b>(720) 468-9626</b>			
<b>Littleton, CO 80127</b>		<b>Littleton, CO 80127</b>		Fax:			
Project Number and/or P.O. #: <b>21115.001.001</b>				Cell:			
Project Description/Location: <b>Rocky Mountain National Park, Fall River Entrance Station - Kiosk 3</b>				Final Data Deliverable Email Address:			
				<b>lkryszczuk@landmarkenviro.com (+ 4 ADDNL. CONTACTS)</b>			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm		REQUESTED ANALYSIS		VALID MATRIX CODES		LAB NOTES	
PLM / PCM / TEM DTL RUSH PRIORITY STANDARD				Air = A Bulk = B			
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm				Dust = D Food = F			
Dust RUSH PRIORITY STANDARD				Paint = P Soil = S			
<b>Metals</b> RUSH <b>PRIORITY</b> STANDARD				Surface = SU Swab = SW			
				Tape = T Wipe = W			
Organics* SAME DAY RUSH PRIORITY STANDARD				Drinking Water = DW			
MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm				Waste Water = WW			
Viable Analysis** PRIORITY STANDARD				**ASTM E1792 approved wipe media only**			
Medical Device Analysis RUSH STANDARD				Sample Volume (L) / Area			
Mold Analysis RUSH PRIORITY STANDARD				Length(or Aliquots) x Width(or Area per Aliquot)			
**Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.**				Matrix Code			
Special Instructions:				# of Containers			
Client Sample ID Number (Sample ID's must be unique)				Date Collected mm/dd/yy			
<b>1 Kiosk 3-Soil-01</b>		<b>ASBESTOS</b>		Time Collected hh:mm		<b>Laboratory Analysis Instructions</b>	
		<b>CHEMISTRY</b>					
		<b>MICROBIOLOGY</b>					

REI will analyze incoming samples based on information 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 shall constitute 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:		<b>Lauren Kryszczuk</b>	Date/Time: <b>01/12/2022 16:53:24</b>	Sample Condition: <b>Acceptable</b>
Received By:		<b>Monica Morales</b>	Date/Time: <b>01/12/2022 18:22:33</b>	Carrier: <b>Hand</b>

**Regulated Building Material Summary Table**

RBMs PRESUMPTIVE INVENTORY LIST																						
Room #	CE	CFC	EL	EX	FE	CL	FL-2'	FL-4'	FL-8'	FL-0	LB	FS	HID	LS	MEF	MTG	RB	SD	TF	OT	XX	Comments
Interior	1				1																	CE = One desktop computer with a cash register and printer. One security camera.
Exterior	1					1	1				1										X	CE = One security camera. OT = There is one open 55-gallon metal drum with road gravel in it.
Roof																					XX	XX = No RBMs were observed.
TOTAL	2	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	

CE = Comp. equip.; CFC = Refrigerants; EL = Emergency lighting; EX = Exit signs; FE = Fire extinguishers (hand held); CL = Compact light bulb; FL-2' = 2' Fluorescent lamp; FL-4' = 4' Fluorescent lamp; FL-8' = 8' Fluor. lamp; FL-0 = Fluorescent lamp other; FS = Fire suppression system; HID = High intensity lights; LB = Light ballast; LS = Lead sheeting; MEF = Mech equip. fluids; MTG = Mercury switch/gauge/etc.; RB = Rechargeable battery; SD = Smoke detectors; TF = Transformer; OT = Other; XX = No RBMs



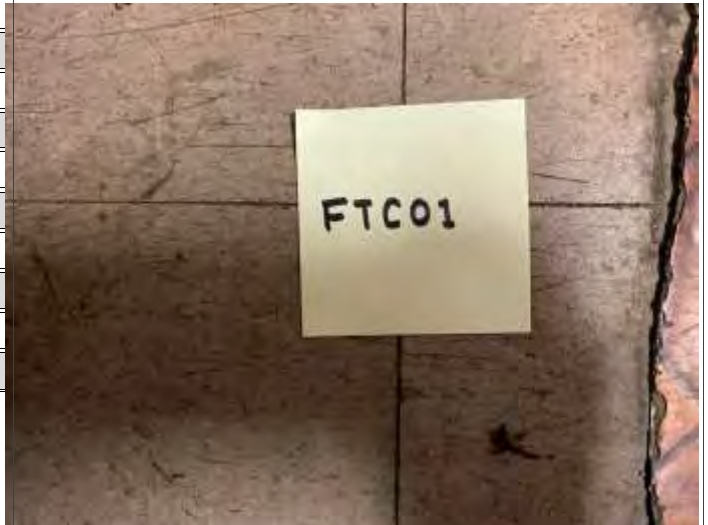
Appendix D

OFFICE

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

*Anderson Hallas - Fall River Entrance Station Office*

HOMOGENOUS MATERIAL DESCRIPTION		
Floor Tile & Assoc. Mastic		
CODE	SEQUENCE	SIZE
FTC	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Grey Brown	Streaks	
QUANTITY	MATERIAL TYPE	FRIABLE
148.25	M	NF I
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		
The floor tiles were found to be between 3 to 5% Chrysotile asbestos via PLM. Associated black mastic was found to be none detect by PLM.		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
O-Closet-FTC01-01	4" from Southeast Corner	Chrysotile 3%
O-Closet-FTC01-02	6" from Southwest Corner	Chrysotile 5%

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)


**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

*Anderson Hallas - Fall River Entrance Station Office*

HOMOGENOUS MATERIAL DESCRIPTION		
Paper/Felt, Misc.		
CODE	SEQUENCE	SIZE
PFM	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Black Paper	Fibrous	Yellow Fiberglass
QUANTITY	MATERIAL TYPE	FRIABLE
188.25	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
O-Office-PFM01-01	4.5' from East Wall, 2' from South Wall, 8' Above Floor	None Detected
O-Office-PFM01-02	4.5' from East Wall, 2' from South Wall, 8' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

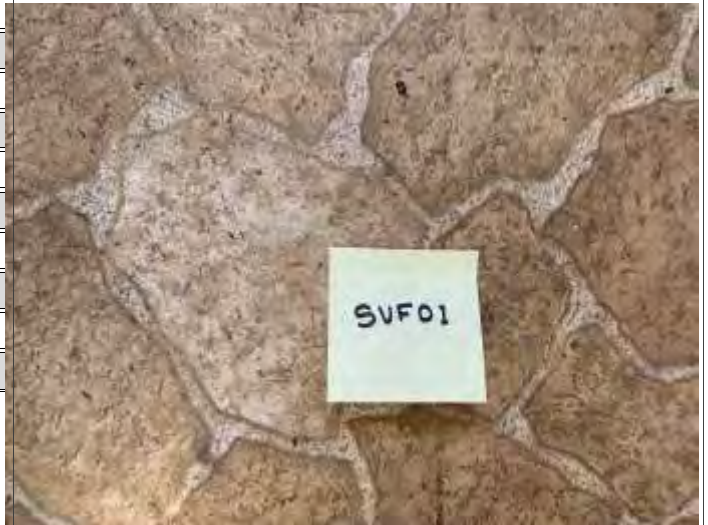
**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

*Anderson Hallas - Fall River Entrance Station Office*

HOMOGENOUS MATERIAL DESCRIPTION		
Sheet Vinyl Flooring		
CODE	SEQUENCE	SIZE
SVF	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Tan Grey Paper	Pebbles	Yellow Glue
QUANTITY	MATERIAL TYPE	FRIABLE
18	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
O-Bath-SVF01-01	Northwest Corner of Bathroom	None Detected
O-Bath-SVF01-02	South Door Threshold, 2' from East Wall	None Detected

<b>Material Type:</b> Surfacing (S) Texturing (T) Miscellaneous (M)	<b>Friability:</b> Friable (F) Type I Non-Friable (I) Type II Non-Friable (II)	<b>Condition:</b> Good (G) Fair (F) Poor (P)	<b>Disturbance Potential:</b> Low (L) Moderate (M) High (H)	<b>Assessment Categories:</b> 1. Damaged or significantly damaged TSI ACM 2. Damaged friable surfacing ACM 3. Significantly damaged friable surfacing ACM 4. Damaged or significantly damaged friable miscellaneous ACM 5. ACBM with potential for damage 6. ACBM with potential for significant damage 7. Any remaining friable ACBM or friable suspected ACBM
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# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

*Anderson Hallas - Fall River Entrance Station Office*

HOMOGENOUS MATERIAL DESCRIPTION		
Sheet Vinyl Flooring		
CODE	SEQUENCE	SIZE
SVF	02	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
Red Brown	Diamonds	Grey Felt
QUANTITY	MATERIAL TYPE	FRIABLE
119	M	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
O-Office-SVF02-01	At North Door Threshold to Closet, 6' from West Wall	None Detected
O-Office-SVF02-02	At South Wall, 3' from East Wall	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

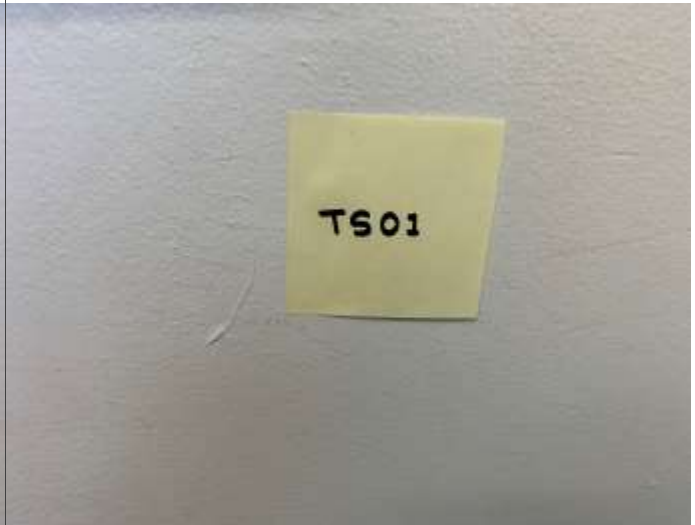
**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

- Assessment Categories:**
1. Damaged or significantly damaged TSI ACM
  2. Damaged friable surfacing ACM
  3. Significantly damaged friable surfacing ACM
  4. Damaged or significantly damaged friable miscellaneous ACM
  5. ACBM with potential for damage
  6. ACBM with potential for significant damage
  7. Any remaining friable ACBM or friable suspected ACBM

# HOMOGENEOUS AREA BUILDING INSPECTION REPORT

*Anderson Hallas - Fall River Entrance Station Office*

HOMOGENOUS MATERIAL DESCRIPTION		
Textured Surfacing		
CODE	SEQUENCE	SIZE
TS	01	N/A
COLOR	PATTERN/TEXTURE	ASSOCIATED MAT.
White Compound		
QUANTITY	MATERIAL TYPE	FRIABLE
756.25	S	F
CONDITION	DISTURBANCE	ASSESSMENT CAT.
G	L	N/A
MATERIAL NOTES		



SAMPLE NUMBER	SAMPLE LOCATION DESCRIPTION	ANALYTICAL RESULT
O-Bath-TS01-01	East Wall, 2.5' from North Wall, 4' Above Floor	None Detected
O-Bath-TS01-02	South Wall, 6" from West Side of South Doorway, 4.5' Above Floor	None Detected
O-Office-TS01-03	North Wall, 6" from West Side of North Doorway, 4.5' Above Floor	None Detected
O-Office-TS01-04	South Wall, 4' from East Wall, 3' Above Floor	None Detected
O-Office-TS01-05	North Wall, 11' from West Wall, 2' Above Floor	None Detected

**Material Type:**  
 Surfacing (S)  
 Texturing (T)  
 Miscellaneous (M)

**Friability:**  
 Friable (F)  
 Type I Non-Friable (I)  
 Type II Non-Friable (II)

**Condition:**  
 Good (G)  
 Fair (F)  
 Poor (P)

**Disturbance Potential:**  
 Low (L)  
 Moderate (M)  
 High (H)

**Assessment Categories:**

1. Damaged or significantly damaged TSI ACM
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM
5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM

# SUMMARY OF ASBESTOS CONTAINING MATERIALS (ACM) - SORTED BY MATERIAL TYPE AND ID

*Anderson Hallas - Fall River Entrance Station Office*

## Asbestos-Containing Material (ACM) - Summary

### BUILDING: Office (O)

#### HOMOGENEOUS MATERIAL

ROOM ID	LOCATION	QUANTITY	UNITS	MATERIAL CONDITION	DISTURBANCE POTENTIAL	COMMENTS
<b>FTC-Floor Tile &amp; Assoc. Mastic</b>						
<b>FTC01</b>	<b>N/A Grey Brown Streaks Floor Tile &amp; Assoc. Mastic - The floor tiles were found to be between 3 to 5% Chrysotile asbestos via PLM. Associated black mastic was found to be none detect by PLM.</b>					
Bath	Floor,	18	SF	Good	Low	
Closet	Floor,	11	SF	Good	Low	
Office	Floor,	119	SF	Good	Low	
<b>FTC01 Total Qty</b>		<b>148</b>				
<b>FTC-Floor Tile &amp; Assoc. Mastic Total Qty</b>		<b>148</b>				

# SUMMARY OF NON-ASBESTOS CONTAINING MATERIALS SORTED BY MATERIAL TYPE AND ID

*Anderson Hallas - Fall River Entrance Station Office*

## *Non-Asbestos-Containing Material*

### **BUILDING: Office (O)**

#### HOMOGENEOUS MATERIAL

ROOM ID	LOCATION	QUANTITY	UNITS	MATERIAL CONDITION	DISTURBANCE POTENTIAL	COMMENTS
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#### **PFM-Paper/Felt, Misc.**

##### **PFM01 N/A Black Paper Fibrous Paper/Felt, Misc., associated with Yellow Fiberglass -**

Bath	Ceiling,	18	SF	Good	Low	
Closet	Ceiling,	11	SF	Good	Low	
Office	Ceiling,	119	SF	Good	Low	
Storage	Ceiling,	40	SF	Good	Low	

**PFM01 Total Qty 188**

**PFM-Paper/Felt, Misc. Total Qty 188**

#### **SVF-Sheet Vinyl Flooring**

##### **SVF01 N/A Tan Grey Paper Pebbles Sheet Vinyl Flooring, associated with Yellow Glue -**

Bath	Floor,	18	SF	Good	Low	
------	--------	----	----	------	-----	--

**SVF01 Total Qty 18**

##### **SVF02 N/A Red Brown Diamonds Sheet Vinyl Flooring, associated with Grey Felt -**

Office	Floor,	119	SF	Good	Low	
--------	--------	-----	----	------	-----	--

**SVF02 Total Qty 119**

**SVF-Sheet Vinyl Flooring Total Qty 137**

#### **TS-Textured Surfacing**

##### **TS01 N/A White Compound Textured Surfacing -**

Bath	N. wall, E. wall, S. wall, W. wall, Ceiling,	154	SF	Good	Low	
Closet	N. wall, E. wall, S. wall, W. wall, Ceiling,	123	SF	Good	Low	
Office	N. wall, E. wall, S. wall, W. wall, Ceiling,	479	SF	Good	Low	

**TS01 Total Qty 756**

**TS-Textured Surfacing Total Qty 756**





January 17, 2022

**Subcontractor Number:**

**Laboratory Report:** RES 514815-1

**Project #/P.O. #:** 21115.001.001

**Project Description:** Rocky Mountain National Park, Fall  
River Entrance Station - Office

Lauren Kryszczuk  
Landmark Environmental, Inc.  
7881 Shaffer Parkway  
Littleton CO 80127

Dear Lauren,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

**RES 514815-1** 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 of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. 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 have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by John McIntyre

Jeanne Spencer  
President



# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 514815-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Office**  
 Date Samples Received: **January 12, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 17, 2022**

NA = Not Analyzed  
 NR = Not Received  
 ND = None Detected  
 TR = Trace; <1 % Visual Estimate  
 Trem-Act = Tremolite-Actinolite

Laboratory Sample ID  Client Sample Number	L A Y E R	Physical Description	Sub Part  (%)	Asbestos Content		Non-Asbestos Fibrous Components  (%)	Non-Fibrous Components  (%)
				Mineral	Visual Estimate  (%)		
514815 - O-Closet-FTC01-01	A	Black mastic	7		ND	0	100
	B	Tan/off white tile	93	Chrysotile	3	0	97
514815 - O-Closet-FTC01-02	A	Black mastic	8		ND	0	100
	B	Tan/multi-colored tile	92	Chrysotile	5	0	95
514815 - O-Bath-SVF01-01	A	Tan adhesive	6		ND	0	100
	B	Brown sheet vinyl w/ off white fibrous backing material	94		ND	20	80
514815 - O-Bath-SVF01-02	A	Beige/brown sheet vinyl w/ off white fibrous backing material	100		ND	13	87
514815 - O-Office-SVF02-01	A	Brown sheet vinyl w/ a trace of beige adhesive	100		ND	10	90
514815 - O-Office-SVF02-02	A	Brown sheet vinyl w/ a trace of tan adhesive	100		ND	10	90
514815 - O-Bath-TS01-01	A	White/green paint w/ tan wood fragments	100		ND	8	92
514815 - O-Bath-TS01-02	A	White/green paint w/ tan wood fragments	100		ND	18	82
514815 - O-Office-TS01-03	A	White/green paint	100		ND	0	100
514815 - O-Office-TS01-04	A	White/green paint	100		ND	0	100
514815 - O-Office-TS01-05	A	White/green paint	100		ND	0	100

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

  
 John C. McIntyre  
 Analyst



RES Job #: 514815

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES	
Company: <b>Landmark Environmental, Inc.</b>		Company: <b>Landmark Environmental, Inc.</b>		Contact: <b>Lauren Kryszczuk</b>		<b>-1 PLM Priority</b>	
Address: <b>7881 Shaffer Parkway</b>		Address: <b>7881 Shaffer Parkway</b>		Phone: <b>(720) 468-9626</b>			
Address: <b>Littleton, CO 80127</b>		Address: <b>Littleton, CO 80127</b>		Fax:			
Project Number and/or P.O. #: <b>21115.001.001</b>		Project Description/Location: <b>Rocky Mountain National Park, Fall River Entrance Station - Office</b>		Final Data Deliverable Email Address:			
				Cell:			
				Final Data Deliverable Email Address:			
				<b>lkryszczuk@landmarkenviro.com (+ 4 ADDNL. CONTACTS)</b>			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm				REQUESTED ANALYSIS				VALID MATRIX CODES				LAB NOTES	
<b>PLM</b> / PCM / TEM	DTL	RUSH	<b>PRIORITY</b> STANDARD	<b>PLM - PLM Short Report (EPA600/R-93116)</b> TEM - AHERA (+/- or Quantified), Microvacc (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Chatfield, Drinking Water, Waste Water, Bulk +/-, CARB Modified Ahera PCM - 7400A, 7400B, OSHA DUST - Total, Respirable METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metals (7303, 6020A, 200.8, Waste Water, Foodware, OSHA ID-125G), pH (Liquid or Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan ORGANICS - Methamphetamine, TSS VIABLES - Campylobacter, Bacillus, Salmonella (Culturable or 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S.aureus, Yeast & Mol, Aerobic Plate Count, Coliforms/E.coli - (State Water, Drinking Water, Non-Drinking Water, +/-, Quantification), Lactic Acid, Viable Microbial Count (w/ID or w/ID, +/-, Enterococcus +/- or Quantification), Legionella (P, NP, C) MEDICAL - Bieburden, LAL MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B							
<b>CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm</b>					Dust = D	Food = F							
Dust	RUSH	PRIORITY	STANDARD		Paint = P	Soil = S							
Metals	RUSH	PRIORITY	STANDARD		Surface = SU	Swab = SW							
Organics*	SAME DAY	RUSH	PRIORITY STANDARD		Tape = T	Wipe = W							
<b>MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm</b>					Drinking Water = DW								
Viable Analysis**	PRIORITY	STANDARD			Waste Water = WW								
Medical Device Analysis	RUSH	STANDARD			**ASTM E1792 approved wipe media only**								
Mold Analysis	RUSH	PRIORITY	STANDARD		Sample Volume (L) / Area	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions			
**Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.**					Length (or Aliquots) x Width (or Area per Aliquot)								
<b>Special Instructions:</b>													
<b>Client Sample ID Number</b> (Sample ID's must be unique)				<b>ASBESTOS</b>	<b>CHEMISTRY</b>	<b>MICROBIOLOGY</b>							
1	O-Closet-FTC01-01			X									
2	O-Closet-FTC01-02			X									
3	O-Bath-SVF01-01			X									
4	O-Bath-SVF01-02			X									
5	O-Office-SVF02-01			X									
6	O-Office-SVF02-02			X									
7	O-Bath-TS01-01			X									
8	O-Bath-TS01-02			X									
9	O-Office-TS01-03			X									
10	O-Office-TS01-04			X									
11	O-Office-TS01-05			X									

REI will analyze incoming samples based on information 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 shall constitute 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:		<b>Lauren Kryszczuk</b>	Date/Time: <b>01/12/2022 16:32:42</b>	Sample Condition: <b>Acceptable</b>
Received By:		<b>Monica Morales</b>	Date/Time: <b>01/12/2022 18:05:30</b>	Carrier: <b>Hand</b>



February 01, 2022

**Subcontractor Number:**

**Laboratory Report:** RES 516173-1

**Project #/P.O. #:** 21115.001.001

**Project Description:** Rocky Mountain National Park, Fall  
River Entrance Station - Office

Lauren Kryszczuk  
Landmark Environmental, Inc.  
7881 Shaffer Parkway  
Littleton CO 80127

Dear Lauren,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

**RES 516173-1** 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 of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. 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 have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Ryan Shilling

Jeanne Spencer  
President



# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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

RES Job Number: **RES 516173-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Office**  
 Date Samples Received: **January 31, 2022**  
 Analysis Type: **EPA 600/R-93/116 - Short Report, Bulk**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **February 01, 2022**

NA = Not Analyzed
NR = Not Received
ND = None Detected
TR = Trace; <1 % Visual Estimate
Trem-Act = Tremolite-Actinolite

Laboratory Sample ID	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
516173 - O-Office-PFM01-01	A	Black fibrous tar	10		ND	40	60
	B	Yellow insulation	90		ND	95	5
516173 - O-Office-PFM01-02	A	Black fibrous tar	5		ND	40	60
	B	Yellow insulation	95		ND	95	5

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

  
 Ryan Shilling  
 Analyst



RES Job #: 516173

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES	
Company: <b>Landmark Environmental, Inc.</b>		Company: <b>Landmark Environmental, Inc.</b>		Contact: <b>Lauren Kryszczuk</b>		<b>-1 PLM Priority</b>	
Address: <b>7881 Shaffer Parkway</b>		Address: <b>7881 Shaffer Parkway</b>		Phone: <b>(720) 468-9626</b>			
Littleton, CO 80127		Littleton, CO 80127		Fax:			
Project Number and/or P.O. #: <b>21115.001.001</b>				Cell:			
Project Description/Location: <b>Rocky Mountain National Park, Fall River Entrance Station - Office</b>				Final Data Deliverable Email Address:			
				<b>lkryszczuk@landmarkenviro.com (+ 3 ADDNL. CONTACTS)</b>			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm				REQUESTED ANALYSIS				VALID MATRIX CODES				LAB NOTES
<b>PLM</b> / PCM / TEM	DTL	RUSH	<b>PRIORITY</b> STANDARD	<b>PLM - PLM Short Report (EPA/600/R-93/116)</b> TEM - AHERA (+/- or Quantified), Microvacc (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Chatfield, Drinking Water, Waste Water, Bulk +/-, CARB Modified Ahera PCM - 7400A, 7400B, OSHA DUST - Total, Respirable METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metals (7303, 6020A, 200.8, Waste Water, Foodware, OSHA ID-125G), pH (Liquid or Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan ORGANICS - Methamphetamine, TSS VIABLES - Campylobacter, Bacillus, Salmonella (Culturable or 1-2), Listeria, E.coli O157:H7, E.coli/Colliforms - Plated, S.aureus, Yeast & Mol, Aerobic Plate Count, Coliforms/E.coli - (State Water, Drinking Water, Non-Drinking Water, +/-, Quantification), Lactic Acid, Viable Microbial Count (w/ID or w/ID), Enterococcus (+/- or Quantification), Legionella (P, NP, C) MEDICAL - Bieburden, LAL MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B						
<b>CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm</b>					Dust = D	Food = F						
Dust	RUSH	PRIORITY	STANDARD		Paint = P	Soil = S						
Metals	RUSH	PRIORITY	STANDARD		Surface = SU	Swab = SW						
Organics*	SAME DAY	RUSH	PRIORITY STANDARD		Tape = T	Wipe = W						
<b>MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm</b>					Drinking Water = DW							
Viable Analysis**	PRIORITY	STANDARD			Waste Water = WW							
Medical Device Analysis	RUSH	STANDARD	**TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH		**ASTM E1792 approved wipe media only**							
Mold Analysis	RUSH	PRIORITY	STANDARD		Sample Volume (L) / Area	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm			
**Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.** Special Instructions:					Length (or Aliquots) x Width (or Area per Aliquot)							
Client Sample ID Number	(Sample ID's must be unique)			ASBESTOS	CHEMISTRY	MICROBIOLOGY	Laboratory Analysis Instructions					
1	O-Office-PFM01-01			X			B					
2	O-Office-PFM01-02			X			B					

REI will analyze incoming samples based on information 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 shall constitute 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:		<b>Lauren Kryszczuk</b>	Date/Time: <b>01/31/2022 13:40:14</b>	Sample Condition: <b>Acceptable</b>
Received By:		<b>Miria Wolf</b>	Date/Time: <b>01/31/2022 14:10:33</b>	Carrier: <b>Hand</b>

**LEAD INSPECTION SAMPLE LOG**

<b>Project Name:</b>	Fall River Entrance Station - Office			<b>Inspector:</b>	Lauren Kryszczuk			
<b>Location:</b>	Rocky Mountain National Park (ROMO)			<b>Date:</b>	1/12/2022			
<b>Client:</b>	Anderson Hallas			<b>XRF</b>	On-site XRF meter reading			
Sample No.	Location	Component	Substrate	Feature	Condition	Color	Result (%)	Screen Result
1	Interior Bathroom (East)	Interior Wall	Wood	Wall	Good	Light Blue	0	NL
2	Interior Bathroom (North)	Window Frame	Wood	Window Frame	Good	Bright White	0	NL
3	Interior Bathroom (North)	Windowsill	Wood	Windowsill	Good	Bright White	0	NL
4	Interior Bathroom (West)	Cabinet	Wood	Cabinet	Good	Light Blue	0	NL
5	Interior Bathroom (South)	Interior Wall	Wood	Wall	Good	Bright White	0	NL
6	Interior Bathroom (South)	Door Frame	Wood	Door Frame	Good	Bright White	0	NL
7	Interior Office (North)	Interior Wall	Wood	Wall	Good	Bright White	0	NL
8	Interior Office (South)	Windowsill	Wood	Windowsill	Good	Bright White	0.27	LCP
9	Interior Office (South)	Interior Wall	Wood	Wall	Good	Bright White	0	NL
10	Interior Office (South)	Door Frame	Wood	Door Frame	Good	Bright White	0	NL
11	Interior Office (North)	Vault Door	Wood	Vault Door	Good	Bright White	0	NL
12	Interior Office (North)	Vault Frame	Wood	Vault Frame	Good	Bright White	0.15	LCP
13	Interior Office (North)	Door Frame	Wood	Door Frame	Good	Bright White	0	NL
14	Interior Closet (East)	Interior Wall	Wood	Wall	Good	Light Green	0.05	LCP
15	Interior Closet (West)	Interior Wall	Wood	Wall	Good	Light Green	0.02	LCP
16	Exterior Façade (West)	Wall Frame	Wood	Wall Frame	Good	Tan	0.02	LCP
17	Exterior Façade (West)	Door	Wood	Door	Good	Dark Brown	0.03	LCP
18	Exterior Façade (West)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.32	LCP
19	Exterior Façade (South)	Windowsill	Wood	Windowsill	Good	Tan	0.24	LCP
20	Exterior Façade (West)	Roof Frame	Wood	Roof Frame	Good	Tan	0.25	LCP
21	Exterior Façade (West)	Roof Soffit	Wood	Roof Soffit	Good	Dark Brown	0.81	LBP
22	Exterior Façade (South)	Window Frame	Wood	Window Frame	Good	Tan	0.03	LCP
23	Exterior Façade (South)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.1	LCP
24	Exterior Façade (South)	Door	Wood	Door	Good	Dark Brown	0.06	LCP
25	Exterior Façade (South)	Window Frame	Wood	Window Frame	Good	Tan	0.19	LCP
26	Exterior Façade (South)	Windowsill	Wood	Windowsill	Good	Tan	0.3	LCP
27	Exterior Façade (South)	Windowsill	Wood	Windowsill	Good	Dark Brown	0	NL
28	Exterior Façade (East)	Windowsill	Wood	Windowsill	Good	Tan	0.24	LCP
29	Exterior Façade (East)	Window Frame	Wood	Window Frame	Good	Dark Brown	0.08	LCP
30	Exterior Façade (East)	Exterior Wall	Wood	Façade	Good	Dark Brown	0.01	LCP
31	Calibration	-	-	-	-	White	0	PASS
32	Calibration	-	-	-	-	White	0	PASS
33	Calibration	-	-	-	-	White	0	PASS
34	Calibration	-	-	-	-	Red	1.1	PASS
35	Calibration	-	-	-	-	Red	1.12	PASS
36	Calibration	-	-	-	-	Red	1.09	PASS

Notes

NL - Not Lead

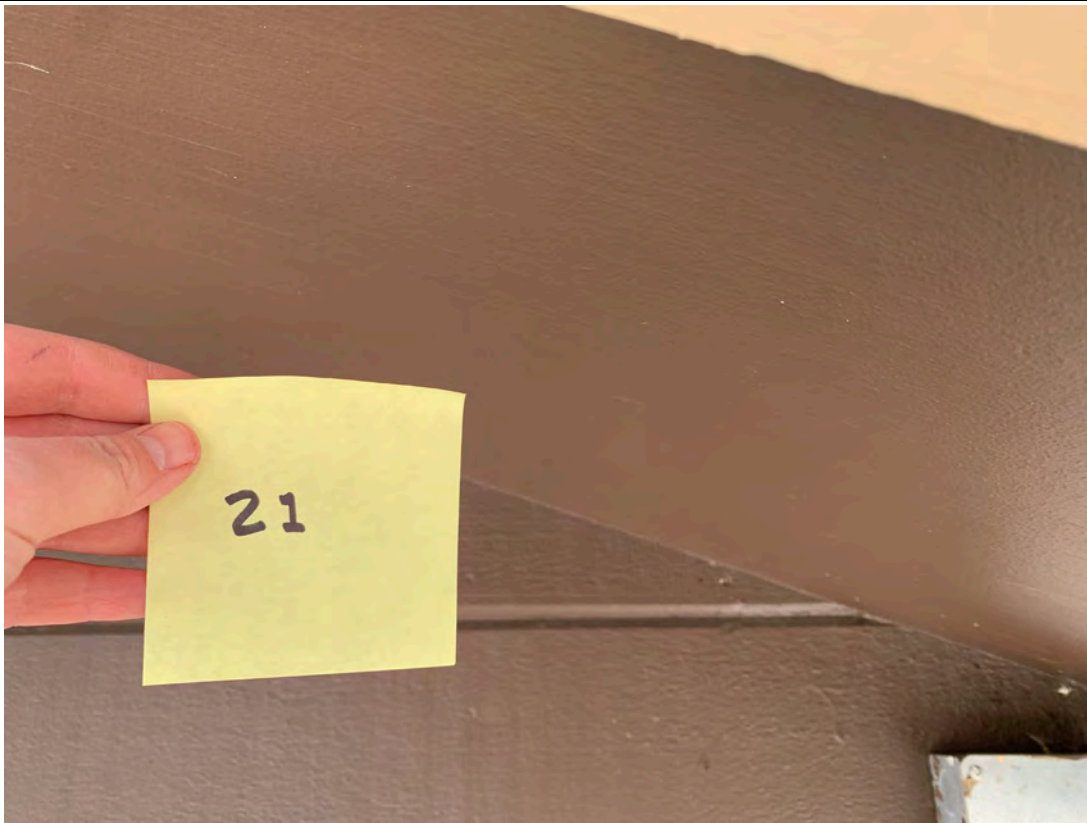
LCP - Lead-Containing Paint

LBP - Lead-Based Paint





<b>LANDMARK Project No.</b> 21115.001.001	<b>Description</b>	Front entrance of the office building structure, looking to the northeast.	<b>Photo 1</b>
	<b>Site Name</b>	Rocky Mountain National Park – Fall River Entrance Station Office	<b>Photo Date</b> 01/12/2022



<b>LANDMARK Project No.</b> 21115.001.001	<b>Description</b>	Screening No. 21, Exterior Façade (West), Dark Brown Soffit, 0.81 mg/cm <sup>2</sup> , LBP	<b>Photo 2</b>
	<b>Site Name</b>	Rocky Mountain National Park – Fall River Entrance Station Office	<b>Photo Date</b> 01/12/2022



**Lead Inspection Form**

<b>Client</b>		<b>Site Address</b>		<b>Landmark Project #</b>		<b>Date:</b>	1/12/2022
Anderson Hallas - National Park Service		Rocky Mountain National, Fall River Entrance Station Office		21115.001.001		<b>Inspector:</b>	L. Kryszczuk
<b>Sample ID</b>	<b>Location</b>	<b>Component</b>	<b>Substrate</b>	<b>Result (mg/Kg)</b>	<b>Screen Result</b>		
Office-Soil-01	North and east dripline areas of Office structure.	Soil from north and east dripline areas.	Soil	<24.2	PASS		

PASS = Less than the EPA 1200 ppm limit for residential soils (non-child play area)





January 13, 2022

**Subcontractor Number:**

**Laboratory Report:** RES 514819-1

**Project #/P.O. #:** 21115.001.001

**Project Description:** Rocky Mountain National Park, Fall  
River Entrance Station - Office

Lauren Kryszczuk  
Landmark Environmental, Inc.  
7881 Shaffer Parkway  
Littleton CO 80127

Dear Lauren,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the American Industrial Hygiene Association (AIHA LAP, LLC), Lab ID 101533. The laboratory is currently proficient in both IHPAT & ELPAT programs respectively.

Reservoirs has analyzed the following sample(s) using Atomic Absorption Spectroscopy (AAS) / Inductively Coupled Plasma - Mass Spectrometry (ICP-MS) 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 514819-1** 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 of the client. The results described in this report only apply to the samples analyzed, as received by the customer. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. 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 have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

A handwritten signature in blue ink that reads "Robin Klover".

by Jeff Green

Robin Klover  
Vice President



## RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

**TABLE: I ANALYSIS: LEAD IN SOIL**

RES Job Number: **RES 514819-1**  
 Client: **Landmark Environmental, Inc.**  
 Client Project/P.O.: **21115.001.001**  
 Client Project Description: **Rocky Mountain National Park, Fall River Entrance Station - Office**  
 Date Samples Received: **January 12, 2022**  
 Analysis Type: **REI CHEMISTRY SOP / USEPA SW846 3050B/7420-M**  
 Turnaround: **Priority**  
 Date Samples Analyzed: **January 13, 2022**

NA = Not Analyzed  
 NR = Not Received  
 ND = None Detected  
 BAS = Below Analytical Sensitivity  
 BRL = Below Reporting Limit

Laboratory Sample ID	Reporting Limit	LEAD CONCENTRATION
Client ID Number	(mg/kg)	(mg/kg)
514819 - Office-Soil-01	24.2	BRL

Unless otherwise noted on the QC table, all quality control samples performed within specifications established by the laboratory  
 Unless otherwise noted sample analyses have not been blank corrected

*Jeff Green*  
 Jeff Green  
 Analyst

# RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0  
AIHA LAP, LLC. LAB ID 101533

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Turnaround: **Priority**  
Date Samples Analyzed: **January 13, 2022**

NA = Not Analyzed
NR = Not Received
ND = None Detected
BAS = Below Analytical Sensitivity
BRL = Below Reporting Limit

Quality Control Batch	Analyte	Matrix Blank (µg)	Matrix Duplicate (%RPD)	Matrix Spike (% Recovery)	Laboratory Control Sample (% Recovery)
011322-2	Pb	BRL	0	100	102

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

Unless otherwise noted sample analyses have not been blank corrected



Jeff Green

Analyst



RES Job #: 514819

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES	
Company: <b>Landmark Environmental, Inc.</b>		Company: <b>Landmark Environmental, Inc.</b>		Contact: <b>Lauren Kryszczuk</b>		<b>-1 Chem Priority</b>	
Address: <b>7881 Shaffer Parkway</b>		Address: <b>7881 Shaffer Parkway</b>		Phone: <b>(720) 468-9626</b>			
<b>Littleton, CO 80127</b>		<b>Littleton, CO 80127</b>		Fax:			
Project Number and/or P.O. #: <b>21115.001.001</b>		Project Description/Location: <b>Rocky Mountain National Park, Fall River Entrance Station - Office</b>		Cell:			
				Final Data Deliverable Email Address:			
				<b>lkryszczuk@landmarkenviro.com (+ 4 ADDNL. CONTACTS)</b>			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm		REQUESTED ANALYSIS		VALID MATRIX CODES		LAB NOTES	
PLM / PCM / TEM      DTL RUSH PRIORITY STANDARD				Air = A      Bulk = B			
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm				Dust = D      Food = F			
Dust      RUSH PRIORITY STANDARD				Paint = P      Soil = S			
<b>Metals</b> RUSH <b>PRIORITY</b> STANDARD				Surface = SU      Swab = SW			
				Tape = T      Wipe = W			
Organics*      SAME DAY RUSH PRIORITY STANDARD				Drinking Water = DW			
MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm				Waste Water = WW			
Viable Analysis**      PRIORITY STANDARD				**ASTM E1792 approved wipe media only**			
Medical Device Analysis      RUSH STANDARD				Sample Volume (L) / Area			
Mold Analysis      RUSH PRIORITY STANDARD				Length(or Aliquots) x Width(or Area per Aliquot)			
**Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.**				Matrix Code			
Special Instructions:				# of Containers			
Client Sample ID Number (Sample ID's must be unique)				Date Collected mm/dd/yy			
1 <b>Office-Soil-01</b>				Time Collected hh:mm			
		ASBESTOS      CHEMISTRY      MICROBIOLOGY				<b>Laboratory Analysis Instructions</b>	
		<b>X</b>		<b>S</b>			

REI will analyze incoming samples based on information 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 shall constitute 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:		<b>Lauren Kryszczuk</b>	Date/Time: <b>01/12/2022 16:36:21</b>	Sample Condition: <b>Acceptable</b>
Received By:		<b>Monica Morales</b>	Date/Time: <b>01/12/2022 18:22:15</b>	Carrier: <b>Hand</b>

**Regulated Building Material Summary Table**

RBMs PRESUMPTIVE INVENTORY LIST																							
Room #	CE	CFC	EL	EX	FE	CL	FL-2'	FL-4'	FL-8'	FL-O	LB	FS	HID	LS	MEF	MTG	RB	SD	TF	OT	XX	Comments	
Interior Bathroom																					XX	XX = No suspect RBMs were observed.	
Interior Closet					1																		
Interior Office	2	1						4										1		X			CE = Two desktop computers with supporting electronics, printers, etc. CFC = One small refrigerator. Note: Light ballasts were labeled non-PCB.
Exterior Façade	4																						CE = Four security cameras.
Roofing System																					XX	XX = No suspect RBMs were observed.	
<b>TOTAL</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>			

CE = Comp. equip.; CFC = Refrigerants; EL = Emergency lighting; EX = Exit signs; FE = Fire extinguishers (hand held); CL = Compact light bulb; FL-2' = 2' Fluorescent lamp; FL-4' = 4' Fluorescent lamp; FL-8' = 8' Fluor. lamp; FL-O = Fluorescent lamp other; FS = Fire suppression system; HID = High intensity lights; LB = Light ballast; LS = Lead sheeting; MEF = Mech equip. fluids; MTG = Mercury switch/gauge/etc.; RB = Rechargeable battery; SD = Smoke detectors; TF = Transformer; OT = Other; XX = No RBMs

Appendix E

HANTAVIRUS RISK REDUCTION WORKER PROTECTION



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# **Hantavirus Risk Reduction**

## **Worker Protection**

*Updated December 2013*



# **Hantavirus Risk Reduction**

## **Worker Protection**

*Updated December 2013*

Office of Public Health  
1201 Eye Street NW  
Room 52  
Washington, DC 20005

Wildlife Health Branch, Biological Resource Management Division  
1201 Oakridge Drive  
Suite 200  
Fort Collins, CO 80525

Integrated Pest Management Program, Biological Resource Management Division  
1201 Oakridge Drive  
Suite 200  
Fort Collins, CO 80525

The following National Park Service contributors helped revise this document: Bruce Badzik, Integrated Pest Management Coordinator & Biologist, Golden Gate National Recreation Area; Dr. Danielle Buttke, DVM, PhD, MPH, DACVPH, One Health Coordinator, Biological Resource Management Division/Wildlife Health Branch and Office of Public Health; Myron Chase, Integrated Pest Management Coordinator –Biologist, Intermountain Regional Office IPM Coordinator; Carol DiSalvo, Servicewide Integrated Pest Management Coordinator, Biological Resource Management Division; and Ciro Monaco, Biological Technician, Servicewide Integrated Pest Management Program.

December 2013

U.S. Department of the Interior  
National Park Service  
Office of Public Health  
Washington, DC  
Natural Resource Stewardship and Science  
Fort Collins, Colorado

This report received formal peer review by subject-matter experts who were not directly involved in the collection, analysis, or reporting of the data, and whose background and expertise put them on par technically and scientifically with the authors of the information.

Views, statements, findings, conclusions, recommendations, and data in this report do not necessarily reflect views and policies of the National Park Service, U.S. Department of the Interior. Mention of trade names or commercial products does not constitute endorsement or recommendation for use by the U.S. Government.

# Contents

	Page
Introduction.....	1
Precautions.....	1
Precautions for Workers Frequently Exposed to Rodents.....	1
Precautions for Workers Having Potential Contact with Rodents .....	2
Cleanup .....	2
Cleanup of Rodent Urine, Droppings, and Contaminated Surfaces .....	2
Cleanup of Dead Rodents and Rodent Nests.....	3
Disinfecting Solutions .....	4
Cleaning Shed and Other Buildings .....	4
Recommendations for Cleaning Homes or Buildings with Heavy Rodent Infestations .....	4
Special Considerations for Historic Structures or Structures with Dirt Floors .....	5
Contacts.....	6

# Introduction

This document summarizes the updated recommendations from the Centers for Disease Control and Prevention (CDC) for hantavirus risk reduction for workers. The information is adapted from the Morbidity and Mortality Weekly Report, July 26, 2002; Vol. 51; No. RR09.

## Precautions

### Precautions for Workers Frequently Exposed to Rodents

Persons who frequently handle or are exposed to wild rodents are probably at higher risk for hantavirus infection than the general public because of the frequency of their exposures. Such persons include, but are not limited to: wildlife specialists; maintenance workers; employees involved in rodent management; concessions managers; some custodial staff; and building and fire inspectors. Therefore, enhanced precautions are warranted to protect them against hantavirus infection, as described below.

- Workers in potentially high-risk settings should be informed by their employers about hantavirus transmission and symptoms of infection, and be given detailed guidance and training on prevention measures. Determining the level of risk for HPS in each work setting is the responsibility of the park. The Regional Public Health Consultant and Safety Officer may be contacted for assistance, if necessary.
- Workers who develop a febrile or respiratory illness within 7 weeks of the last potential exposure should immediately seek medical attention and inform the attending physician of the potential occupational risk of hantavirus infection.
- When removing rodents from traps, handling rodents, or cleaning heavily infested areas, workers should wear either a NIOSH-approved half-face or full-face, tight-seal, negative-pressure respirator or a positive pressure PAPR (powered air-purifying respirator), both options must be equipped with P-100 or N-100 filters. Employees must be in compliance with NPS Director's Order #50B and Reference Manual #50B for respiratory protection. Requirements include medical clearance and annual training and fit testing for each approved respirator type. Any individual wearing a respirator must be clean shaven.
- Workers should wear rubber, latex, vinyl, or nitrile gloves when cleaning or working in rodent infested areas, handling rodents or handling traps containing rodents. Before removing the gloves, wash gloved hands in a disinfectant or chlorine solution and then wash bare hands in soap and water.
- Mammalogists or wildlife biologists who handle wild rodents for research or management purposes should refer to the published safety guidelines available on CDC's website, All About Hantavirus (<http://www.cdc.gov/ncidod/dvrd/spb/mnpages/rodentmanual.htm>).

## **Precautions for Workers Having Potential Contact with Rodents**

Persons who work in occupations with unpredictable or incidental contact with rodents or their nesting sites should follow general risk reduction recommendations and seek guidance from their safety manager or the Office of Public Health. Examples of such occupations include: archaeologists; natural resource specialists; utility operators; curators; and certain construction workers. Workers in these jobs may have to enter buildings and crawl spaces, or might otherwise be exposed to sites or materials that are potentially rodent-infested. Recommendations for such circumstances must be made on a case-by-case basis after the specific working environment has been assessed. The Regional Public Health Consultant or the Safety Officer may be consulted as needed to assist in the assessment. Determining the level of risk present and implementing appropriate protective measures is the responsibility of the park.

Areas with evidence of rodent activity (e.g., dead rodents, nests, and droppings) should be thoroughly cleaned to reduce the likelihood of exposure to hantavirus-infected materials. Cleanup procedures must be performed in a manner that limits the potential for dirt or dust from contaminated surfaces to become airborne. Recommendations are listed in this report for cleaning up (1) rodent urine and droppings, and surfaces potentially contaminated by rodents; and (2) dead rodents and rodent nests.

## **Cleanup**

### **Cleanup of Rodent Urine, Droppings, and Contaminated Surfaces**

- During cleaning, wear rubber, latex, vinyl, or nitrile gloves.
- Spray rodent urine and droppings with an EPA registered disinfectant or chlorine solution until thoroughly soaked. (See Cleanup of Dead Rodents and Rodent Nests below.) Allow disinfectant-soaked area to sit for at least 10 minutes before proceeding.
- To avoid generating potentially infectious aerosols, do not sweep rodent urine, droppings, or contaminated surfaces until they have been disinfected (soaked with disinfectant for at least 10 minutes).
- Use a paper towel to absorb the urine and disinfectant and pick up the droppings. Place the paper towel in the garbage.
- After the rodent droppings and urine have been removed, disinfect items and underlying surfaces that might have been contaminated by rodents or their urine and droppings.
  - o Mop floors with a disinfectant or chlorine solution. Allow to sit for 10 minutes before rinsing.

- o Disinfect countertops, cabinets, drawers, and other durable surfaces with a disinfectant or chlorine solution. Allow disinfectant to sit on surface for 10 minutes before wiping down.
- o Spray dirt floors with a disinfectant or chlorine solution.
- o Disinfect carpets with a disinfectant or with a commercial-grade steam cleaner or shampoo.
- o Steam-clean or shampoo rugs and upholstered furniture.
- o Launder potentially contaminated bedding and clothing with hot water and detergent. Use rubber, latex, vinyl, or nitrile gloves when handling contaminated laundry. Machine-dry laundry on a high setting or hang it to air dry in the sun.
- o Leave books, papers, and other items that cannot be cleaned with a liquid disinfectant or thrown away, outdoors in the sunlight for several hours, or in an indoor area free of rodents for approximately 3 weeks before cleanup. After that time, the virus should no longer be infectious. However, to further reduce risk, wear rubber, latex, vinyl, or nitrile gloves and wipe the items with a cloth moistened with disinfectant.
- o Before removing the gloves, wash gloved hands in a disinfectant or chlorine solution and then wash bare hands in soap and water.

### **Cleanup of Dead Rodents and Rodent Nests**

- Wear rubber, latex, vinyl, or nitrile gloves.
- In the western United States, use insect repellent (containing DEET) on clothing, socks, and arms to reduce the risk of fleabites that might transmit plague, tularemia, or other diseases.
- Spray dead rodents and rodent nests with a disinfectant or a 10% chlorine solution, soaking them thoroughly. Wait 10 minutes before disturbing to ensure inactivation of the virus.
- Place the dead rodent or nest in a plastic bag, or remove the dead rodent from the trap and place it in a plastic bag. When cleanup is complete (or when the bag is full), seal the bag, place it into a second plastic bag, and seal the second bag. Dispose of the material in the double bag discarding it in a covered trash can that is regularly emptied.
- Clean up the surrounding area and area that was underneath the rodent as described in “Cleanup of Rodent Urine and Droppings and Contaminated Surfaces.”

## **Disinfecting Solutions**

Two types of disinfecting solutions are recommended to clean up rodent materials.

1. General-Purpose Household Disinfectant: These can be used for light infestations (ie, rodent droppings present, evidence of chewing, but no extensive nesting or droppings). Prepare according to the label, if not prediluted. Almost any agent commercially available in the United States is sufficient as long as the label states that it is a “disinfectant” and it has an EPA registration number on the label. Effective agents include those based on phenols, quaternary ammonium compounds, and hypochlorite solutions at a 1:100 or greater concentration.
2. Hypochlorite Solution: A 10% chlorine solution, freshly prepared by mixing 1½ cups of household bleach in 1 gallon of water (or a 1:10 solution) can be used in place of a commercial disinfectant and should be used for heavily infested areas (ie, several rodent nests with extensive droppings present). When using chlorine solution, avoid spilling the mixture on clothing or other items that might be damaged by bleach. Wear rubber, latex, vinyl, or nitrile gloves when preparing and using chlorine solutions. Chlorine solutions should be prepared fresh daily.

## **Cleaning Shed and Other Buildings**

Before cleaning closed sheds and other outbuildings, ventilate the building by opening doors and windows for at least 30 minutes. Use cross ventilation if possible. Be sure that you do not stir up any dust when entering to open windows and leave the area during the airing-out period. This airing helps to remove infectious primary aerosols that might be created by hantavirus-infected rodents. In substantially dirty or dusty environments, additional protective clothing or equipment may be worn. Such equipment includes coveralls (disposable when possible) and safety glasses or goggles, in addition to rubber, latex, vinyl, or nitrile gloves. For recommendations regarding precautions for cleanup of outbuildings with heavy rodent infestations, see below.

## **Recommendations for Cleaning Homes or Buildings with Heavy Rodent Infestations**

Special precautions are indicated for cleaning homes or buildings with heavy rodent infestations. A rodent infestation is considered heavy if piles of feces or numerous nests or dead rodents are observed. Persons cleaning these homes or buildings should contact their Safety Officer or Public Health Consultant. These precautions also can apply to vacant dwellings that have attracted rodents while unoccupied and to dwellings and other structures that have been occupied by persons with

confirmed hantavirus infection. Workers who are either hired specifically to perform the cleanup or asked to do so as part of their work activities should receive a thorough orientation about hantavirus transmission and disease symptoms and should be trained to perform the required activities safely.

- If the building has been closed and unoccupied for a long period (weeks or months), ventilate the building by opening doors and windows for at least 30 minutes before beginning any work. The ventilation helps to remove aerosolized virus inside the structure. Use cross ventilation if possible. Leave the area during the airing-out period.
- Persons involved in the cleanup should wear coveralls (disposable, if possible); rubber boots or disposable shoe covers; rubber, latex, vinyl, or nitrile gloves; protective goggles; and a respirator with appropriate clearance, annual fit-testing, and approvals as detailed in “Precautions for Workers Frequently Exposed to Rodents.”
- Personal protective gear should be decontaminated or safely disposed of upon removal at the end of the day. If the coveralls are not disposable, they should be laundered on site. If no laundry facilities are available, the coveralls should be immersed in liquid disinfectant until they can be washed.
- Wash hands thoroughly after personal protective equipment is removed.
- Unless burned on site, all potentially infectious waste material from cleanup operations should be double-bagged in durable plastic bags and then discarded in a covered trash can that is regularly emptied. Contact the local or state health department concerning other appropriate disposal methods.
- Persons involved in the cleanup who develop a febrile or respiratory illness within seven weeks of the last potential exposure should immediately seek medical attention and inform the attending physician of the potential occupational risk of hantavirus infection.

### **Special Considerations for Historic Structures or Structures with Dirt Floors**

- Consult cultural resources staff before beginning any work in historic structures.
- Some disinfectants, such as a 10% or greater bleach solutions or repeat use of other disinfectants, can change the color of an organic surface (such as wood, cloth, etc). If this is a concern for a historic structure, disinfectants such as household disinfectants or isopropyl/ethyl alcohol might be more appropriate.
- Dirt floors should be treated as other hard surfaces, with extra care taken not to stir up dust. Thoroughly wet the area and adjacent area with disinfectant, allow the disinfectant to sit for at least 10 minutes, and use a wetted paper towel to clean up the droppings or material.



## **Contacts**

Integrated Pest Management (IPM) – 202-513-7183

Public Health – 202-513-7217

Risk Management – 202-513-7214

Wildlife Health – 970-267-2118

The Department of the Interior protects and manages the nation's natural resources and cultural heritage; provides scientific and other information about those resources; and honors its special responsibilities to American Indians, Alaska Natives, and affiliated Island Communities.

NPS, December 2013

**National Park Service**  
**U.S. Department of the Interior**



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**Office of Public Health**  
1201 Eye Street NW, Room 52  
Washington, DC 20005

**Natural Resource Stewardship and Science**  
1201 Oakridge Drive, Suite 150  
Fort Collins, CO 80525

[www.nature.nps.gov](http://www.nature.nps.gov)

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Appendix F  
CERTIFICATIONS



Colorado Department  
of Public Health  
and Environment

## ASBESTOS CONSULTING FIRM

This certifies that

**Landmark Environmental, Inc.**

**Registration No.: ACF - 15254**

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos consulting activities as required under Regulation No 8, Part B, in the state of Colorado.

Issued: January 06, 2022

Expires: January 30, 2023

Authorized APCD Representative

SEAL



Colorado Department  
of Public Health  
and Environment

# ASBESTOS CERTIFICATION\*

This certifies that

**Lauren Kryszczuk**

**Certification No.: 22230**

has met the requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

**Inspector/Management Planner\***

**Issued: August 16, 2021**

**Expires: September 25, 2022**

*\* This certificate is valid only with the possession of a current Division-approved training course certification in the discipline specified above.*

Authorized APCD Representative

SEAL



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Environmental Compliance Certification Experts

Colorado State Approval No. 22651

www.chctraining.com  
303.412.6360  
855.60.CERTIFY

1775 W. 55th Avenue  
Denver, Colorado 80221  
United States of America

# CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

**LAUREN KRYSZCZUK**

22230

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training in accordance with the Model Accreditation Plan (MAP) (40 CFR Part 763, Subpart E, Appendix C), AHERA of the Toxic Substances Control Act (TSCA), and Colorado Regulation No. 8 entitled:

**BUILDING INSPECTOR / MANAGEMENT PLANNER**

COURSE COMPLETION:	JULY 7, 2021
EXPIRATION DATE:	JULY 7, 2022
COURSE HOURS:	8.0



Verify this Certificate

*Danaya N. Wilson*  
CEO & Training Program Manager

Credential License ID:  
34843327



*Frank Hulce*  
Instructor

CHC Training Certificate No.:  
R21-0852-AIMP-CO



Renew this Certificate



Colorado Department  
of Public Health  
and Environment

## LEAD-BASED PAINT CERTIFICATION\*

This certifies that

**Lauren Kryszczuk**

**Certification No.: 25301**

has met the requirements of 25-7-1104, C.R.S. and Air Quality Control  
Commission Regulation No. 19, and is hereby certified by the state of  
Colorado in the following discipline:

**Inspector/Risk Assessor\***

**Issued: March 03, 2020**

**Expires: March 03, 2023**

*\* This certificate is valid only with the possession of a valid lead-based paint training certificate in the discipline specified above, issued by either a Colorado approved training provider, an EPA approved training provider, or a training provider approved by another EPA authorized program.*

  
Authorized APCD Representative

SEAL





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1775 West 55th Avenue  
Denver, CO 80221,  
United States of America  
Colorado State Approval No. 23562

# CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

## LAUREN KRYSZCZUK

Has successfully completed the required training hours for the  
refresher course entitled:

### LEAD-BASED PAINT INSPECTOR

For the purposes of accreditation under Colorado Regulation No. 19, Residential Lead-based Paint Hazard Reduction Act of 1992 (Title X), and other standards developed by the EPA pursuant to Title IV of TSCA.

COURSE DATE: OCTOBER 3, 2019  
EXPIRATION DATE: OCTOBER 3, 2022  
COURSE HOURS: 8.0



Verify this Credential

*Danaya N. Benedetto*  
CEO & Training Program Manager

Credential License ID:  
13859971



*Mike Benedetto*  
Instructor

CHC Training Certificate No.  
R19-0134-LI-CO



Visit our Website

PROFESSIONAL MOLD INSPECTION  
INSTITUTE



Certified Commercial Mold Inspector (CCMI)

This certificate confirms that

**Lauren Kryszczuk**

has successfully completed the Commercial Mold Inspection  
course from Professional Mold Inspection Institute (PMII)  
and passed the final exam.

IICRC#: 1884  
Certificate #: CCMII0000040405  
Award Date: 01-09-2021

A handwritten signature in blue ink that reads 'Robert V. Graham'.

Robert Graham, PMII President/CEO