

MOUNTAIN CONSULTING SERVICES

9922 East Montgomery Drive, Suite 9
Spokane Valley, WA 99206
509-924-9236 Office
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December 5, 2023

Ms. Kristine Keller
WA Department of Social & Health Services
Facilities, Financial, & Analytics Administration
Office of Capital Programs
Post Office Box 500
Medical Lake, WA 99022

Project Number: 23-043.2

Dear Ms. Keller,

Mountain Consulting Services is pleased to provide the enclosed report for the **Limited “Good-Faith” Asbestos Survey** that was conducted for accessible identifiable suspect asbestos-containing building materials associated with the Gray Forest Fire Uncovered Old Building Materials Dump Site Stockpile located west of Pine Lodge in the Forested Land between West Medical Lake on the Eastern State Hospital Campus addressed at 850 Maple Street in Medical Lake, Washington.

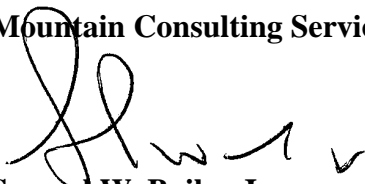
Mr. Samuel Bailey and Mr. Todd Lewis, both EPA-AHERA Building Inspectors conducted the asbestos bulk materials field sampling survey for this project on November 14th of 2023.

Detailed survey findings, conclusions & recommendations are presented within the included survey report. An electronic PDF copy of this document has already been provided to you via E-Mail.

Thank you for choosing Mountain Consulting for this service. If you have any questions, or require any clarification concerning this report, please call me at (509) 924-9236. It was a pleasure working with you, and we look forward to working with you again in the future.

Sincerely,

Mountain Consulting Services



Samuel W. Bailey Jr.
Operations Manager
AHERA Building Inspector
sbailey@mountainconsultingllc.com

LIMITED “GOOD-FAITH” ASBESTOS SURVEY

**FOR THE
ACCESSIBLE SUSPECT ASBESTOS-CONTAINING IDENTIFIABLE
BUILDING MATERIALS ASSOCIATED WITH THE GRAY FOREST
FIRE UNCOVERED BUILDING MATERIALS DUMP SITE STOCKPILE
LOCATED ON THE FORESTED LAND WEST OF PINE LODGE
BETWEEN WEST MEDICAL LAKE ON THE EASTERN STATE
HOSPITAL CAMPUS ADDRESSED AT 850 MAPLE STREET
IN MEDICAL LAKE, WASHINGTON**

MCS Project No: 23-043.2

Prepared for:

**Office of Capital Programs; Facilities, Financial, & Analytics
Administration; WA Department of Social & Health Services**

*c/o: Ms. Kristine Keller
Post Office Box 500
Medical Lake, WA 99022
(509) 601-2370*

Prepared by:

Mountain Consulting Services

*9922 East Montgomery Drive, Suite 9
Spokane Valley, WA 99206
(509) 924-9236*

December 5, 2023

MOUNTAIN CONSULTING SERVICES

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LIMITED ASBESTOS SURVEY; ACCESSIBLE MATERIALS; GRAY FOREST FIRE UNCOVERED; BUILDING MATERIALS DUMP SITE STOCKPILE; EASTERN STATE HOSPITAL CAMPUS; 850 MAPLE STREET; MEDICAL LAKE, WASHINGTON.

1.0 INTRODUCTION

Ms. Kristine Keller, representing the Office of Capital Programs; Facilities, Financial and Analytics Administration of the WA State Department of Social and Health Services (*DSHS*), contracted Mountain Consulting Services (*Mountain Consulting*) to perform a **Limited “Good-Faith” Asbestos Survey** for accessible identifiable suspect asbestos-containing building materials present with the Gray Forest Fire Uncovered Old Building Materials Dump Site Stockpile located west of Pine Lodge in the Forested Land between West Medical Lake on the Eastern State Hospital Campus addressed at 850 Maple Street in Medical Lake, Washington.

Mr. Samuel W. Bailey Jr., EPA-AHERA Building Inspector BIR20230907-05, expiration 9/7/24; and, Mr. Todd A. Lewis, EPA-AHERA Building Inspector, certification BIR20230727-03, expiration 7/27/24 conducted the field survey activities for this project on November 14th of 2023.

SITE DESCRIPTION

The old building materials dump-site included for investigation is located approximately 1,250’ west of Pine Street area of Pine Lodge on the ESH Campus; approximately 300’ south of Poplar Street at its west end 90’ bend; and approximately 300’ east of West Medical Lake’s Shoreline on forested undeveloped land.

The dump site deposit is significant, rapping around and along the south and west sides of a flat shelf. The overall deposit of building materials/coal is approximately 400’ long, by approximately 50’ wide, by approximately 30’ in depth, with an estimated quantity of 600,000 cubic feet of material (*or approximately 22,225 cubic yards*).

The identifiable building materials present with the debris stockpile consists mostly of concrete; plaster with expanded metal; red hollow voided wall block; ceramic tiling; and vermiculite loose-fill insulation. The approximate central area of the stockpile has a large deposit of coal waste, that is currently smoldering as a result of the Gray Forest Fire.

Mountain Consulting understands that the local fire department has been routinely dousing the smoldering coal area with water on a regular basis, until this site can be properly dealt with.

The DSHS Eastern State Hospital campus is located in the western part of Medical Lake, Washington, bounded by rural farm land to the north, Medical Lake to the east, Lakes Memorial Waterfront Park to the south and West Medical Lake to the west.

2.0 SCOPE OF WORK

The scope of work was designed to meet the requirements for asbestos inspection and due diligence notification as defined within the Occupational Safety & Health Administration (*OSHA*) Asbestos Standard (*29 CFR 1926.1101*); Washington Industrial Safety & Health Act (*WISHA*) standard (*WAC 296-62-077*); National Emission Standards for Hazardous Air Pollutants (*NESHAP 40 CFR 61*); applicable portions of the Asbestos Hazardous Emergency Response Act (*AHERA 40 CFR 763*); and, the Spokane Regional Clean Air Agency (*SRCAA*) Regulation I, Article IX.

The survey was conducted visual evaluation, classification and analysis of suspected identifiable asbestos-containing materials (*ACMs*) easily accessible, present with the large old building materials dump site area of the property site.

The survey included the following tasks:

- ◆ Visual survey and assessment of the location and condition of suspected remaining easily accessible intact building materials.
- ◆ Collection and analysis of bulk material samples from remaining identifiable suspected asbestos-containing materials.
- ◆ Preparation of a report summarizing the identification and assessment of any asbestos-containing materials and material found not to contain asbestos.

3.0 ASSESSMENT SURVEY PARAMETERS

3.1 HOMOGENEOUS AREAS

Homogeneous materials are those considered to be consistent throughout an area based on color, texture, and construction era. For the purpose of this survey, homogeneous areas were delineated using the construction era, material composition, and material location as the primary considerations. Material appearance, texture, size, color, and analytical results may support assumptions about each materials homogeneity.

3.2 BULK SAMPLING

Suspected *ACMs* were collected according to guidelines in 40 CFR 763.85 and were sampled to determine the type and percentage of asbestos by volume. At least two samples were collected from selected miscellaneous materials; at least three samples from thermal system insulation materials; and, suspect surfacing materials were sampled according to the “*AHERA 3/5/7 rule*.”

For other types of suspect materials or materials assumed to be non-*ACM*, regulations require the on-site *AHERA* building inspector to determine the appropriate number of samples. The quantity of material present, manufacturer’s labels, appearance, construction or renovation era, and inspector’s expertise were used to determine the number of samples.

A homogeneous material is an ACM if one or more sample results are equal to or greater than >1% asbestos. The EPA recommends that three samples should be analyzed by polarized-light microscopy (*PLM*) for the following types of materials to prevent false negative results (*less than 1% asbestos*):

- ◆ Materials that contain low concentrations of asbestos fibers (*less than 10%*);
- ◆ Materials with asbestos fibers tightly bound in a matrix;
- ◆ Materials with milled asbestos fibers (*fine fibers*);
- ◆ Materials with hand-mixed asbestos fibers; and
- ◆ Materials with a combination of these characteristics.

All bulk samples must have results below <1% asbestos before the material may be classified in accordance with AHERA rule as not being a Regulated ACM. However, if asbestos is detected in the material at less than <1%, than OSHA-WISHA worker health & safety; and, & possibly Spokane Regional Clean Air Agency (*SRCAA*) regulations may still apply.

3.3 LABORATORY AND ANALYTICAL METHODS

Mountain Consulting performed destructive bulk materials testing of the easily accessible remaining intact identifiable suspect building materials present with the large building materials dump site stockpile situation present on forested land west of Pine Lodge on the ESH campus.

Mountain Consulting collected a total of **Twelve (12)** bulk material samples from **Five (5)** different identifiable homogeneous suspect building materials identified with the old building materials dump-site stockpile for this survey project site.

All generated bulk material samples were submitted for analysis to Mountain Laboratories of Spokane Valley Washington using chain of custody procedures. Mountain Laboratories participates in the national voluntary laboratory accreditation program (*NVLAP*) and is a *NVLAP* accredited asbestos testing laboratory, *NVLAP* Code: 101890-0. Samples were analyzed to determine asbestos type & content using polarized light microscopy (*PLM*) with dispersion staining in accordance with the following methods:

- | | |
|------|---|
| EPA | EPA 620/R-93/116, “Method for the Determination of Asbestos in Bulk Building Materials” (July 1993). |
| EPA | “Interim Method for the Determination of Asbestos in Bulk Insulation Samples” (40 CFR Part 763, Subpart F, Appendix A; May 27, 1982). |
| ASTM | Draft “Standard Method of Testing for Asbestos Containing Materials by Polarized Light Microscopy” (ASTM Committee D22.05; January 14, 1988). |

4.0 RESULTS

This section describes tested suspect building materials that were found to be asbestos-containing or proven to be free of asbestos minerals content. *[Refer to the bulk sampling analysis report in Appendix B for specific samples composition and the site sampling drawing in Appendix C for bulk sampling locations].*

4.1 MATERIALS PROVEN/ASSUMED ASBESTOS-CONTAINING

Regulated Asbestos-Containing Materials (RACMs) are materials proven to contain greater than >1% asbestos minerals content. AHERA and NESHAP regulations distinguish between friable and non-friable forms of ACM.

A friable material is defined as one that can be “*crumbled, pulverized, or reduced to powder by hand pressure when dry.*”

Friability is an indication of a material’s ability to release asbestos fibers into the air. Regulated ACM is defined by NESHAP as all friable ACM and non-friable ACM that may be disturbed by renovation or demolition activities.

PROVEN/ASSUMED REGULATED ACM MATERIALS

Microscopic examination of bulk samples collected from the following suspect building material identified with the **Old Building Materials Dump-Site Stockpile**, has resulted with negative asbestos-content findings; **However**, local Spokane Regional Clean Air Agency (SRCAA) Regulation has determined that all loose fill vermiculite material must be ASSUMED to be a Regulated Asbestos-Containing Material regardless of the analytical results and handled as such (**Regulated ACM**) requiring proper abatement handling/impacting activities:

- **Vermiculite Loose-Fill Insulation** is present throughout the large old building materials dump-site stockpile located ESH Campus in Medical Lake Washington. This material is being ASSUMED Asbestos-Containing per local SRCAA Regulation, Article IX, Section 9.05(E). This material is classified as a class I, friable, Thermal Systems Insulation (TSI). This material is associated with approximately 600,000 cubic-feet of building materials waste (*or 2,225 cubic yards with a footprint of approximately 20,000 ft²*). **Represented by Bulk Samples 23-043.2-10, 11 & 12.**

4.2 MATERIALS WITH ASBESTOS CONCENTRATIONS OF LESS THAN <1%

No sampled building materials was proven to contain less than one percent (<1%) asbestos by laboratory analysis during this limited asbestos survey project.

4.3 NON-ACM MATERIALS

Microscopic examination of bulk material samples collected from accessible identifiable building material remnants associated with the **Old Building Materials Dump-Site Stockpile** located on ESH, did not detect the presence of asbestos minerals (*Asbestos-Free*) detailed as follows:

- ◆ **Plaster Wallboard** (remnants with expanded metal backing) (*samples 01, 02 & 03*)
- ◆ **Gray Concrete** (appears to be building foundation remnants) (*samples 04 & 05*)
- ◆ **Red Hollow-Void Wall Block** (typical of old building, inner plaster walls structural support) (*samples 06 & 07*)
- ◆ **Tan Ceramic Tiling w/Gray Mortar Bedding** (remnants with debris) (*samples 08 & 09*)

5.0 CONCLUSIONS AND RECOMMENDATIONS

Our findings are based strictly on information obtained from our site observations and from sample analysis during survey activities. Consistent with our knowledge and understanding of environmental regulations, particularly as they apply to the potential liabilities associated with asbestos-containing building materials, we present the following conclusions and recommendations.

5.1 CONCLUSIONS

The vermiculite insulation identified with the large building materials stockpile is considered to be Regulated Asbestos Material in accordance with SRCAA Regulation, Article IX, under Section 9.05 Asbestos Disturbance, Sub-section E.

In accordance with regulatory protocol all suspect materials identified as or assumed to be asbestos containing must be managed as ACM until further sampling documents otherwise. The owner may refute by additional point-count analysis the ACM status of materials found to contain less than 10% asbestos. However, for materials such as vinyl tile & adhesive with concentrations between 1% and 10%, reanalysis by point counting typically does not decrease estimated concentrations enough to justify non-ACM classification.

5.2 RECOMMENDATIONS

Mountain Consulting recommends that the Regulated Asbestos-Containing Vermiculite Containing/Contaminated old building materials dump-site stockpile site, must be remediated/cleaned-up either by a certified asbestos-abatement contractor or an asbestos qualified demolition contractor under a properly prepared Asbestos - Alternate Work Method (*AWM*) remediation work plan.

Regulated Asbestos Containing Materials (RACM): Properly trained workers employed by a certified asbestos-abatement contractor may work on, remove, or dispose of RACM using wet methods, appropriate work practices, and proper engineering controls.

Depending on type of material (*class I or class II, friable or non-friable*) and engineering controls used (*mechanical or manual*), workers need either 8 or 32 hours of initial training and must be supervised by a competent person with 40 hours of training.

The masonry materials proven not to contain asbestos (*Asbestos-Free*) present with the asbestos vermiculite insulation contaminated debris site, may be decontaminated by the Asbestos AWM Work Plan Procedures Process and disposed of as general construction waste.

- ◆ **If any materials not identified in this survey are uncovered during actual site Asbestos AWM-WP procedures, they must be assumed to contain asbestos until sampling and analysis prove otherwise.** ACM must be handled in accordance with OSHA, NESHAP, and local regulations.
- ◆ The building owner or tenant is required by OSHA/WISHA regulations to notify all maintenance and custodial workers of the presence and location of asbestos containing materials. Maintenance and custodial work during which employees will contact but not disturb asbestos shall be performed by workers with at least 2 hours of asbestos-awareness training.
- ◆ The Spokane Regional Clean Air Agency (SRCAA), the local building department and the local fire department should be contacted regarding any possible permitting requirements.
- ◆ All quantities are approximate. Before starting any remediation work, the abatement or qualified demolition contractor should confirm ACM/contamination quantities.

6.0 LIMITING CONDITIONS AND CLOSURE

6.1 LIMITING CONDITIONS

We have exercised reasonable efforts to accomplish the tasks for this project using current professional standards of the industry. To the extent that the services require subjective judgment, there can be no assurance that definitive or desired results have been obtained or that they will be usable. Although based on scientific principles, to the extent that results depend on subjective judgment, they are subject to human error.

6.2 CLOSURE

The results, conclusions, and recommendations in this report were prepared following our inspection of suspected ACM at the subject property. Methods used by Mountain Consulting for this study are consistent with the standard of care and professionalism normally exercised by consultants in environmental science and engineering.

The Client acknowledges that Mountain Consulting has been retained for the sole purpose of helping the Client to identify ACM, if any, associated with the subject structure.

It is agreed that Mountain Consulting has assumed responsibility only for performing this inspection and presenting this report and conclusions to the Client. The Client acknowledges that Mountain Consulting is not acting as an “agent” for the Client, or any other user or entity, for work associated with any asbestos-containing materials.

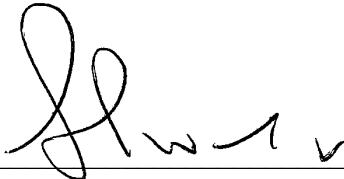
Mountain Consulting does not act or have authority to act for or in place of the Client or its successors or assigns.

Mountain Consulting does not represent the Client nor does it authorize or allow any construction, renovation, remodeling, maintenance, repair, or demolition work by performing this inspection. Mountain Consulting is not a licensed contractor or licensed asbestos contractor.

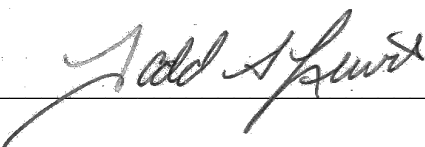
This report was prepared for the exclusive use by WA State Department of Social & Health Services (*DSHS*) of Medical Lake, Washington and/or representatives thereof. It may only be reproduced in full and with written approval of Mountain Consulting and is not warranted if any portion of it is separated from the original complete document.

STATEMENT OF PROFESSIONALISM

Mountain Consulting Services hereby certifies that the **Limited “Good-Faith” Asbestos Survey** for accessible identifiable suspect asbestos-containing building materials associated with the Gray Forest Fire Uncovered Old Building Materials Dump Site Stockpile located west of Pine Lodge in the Forested Land between West Medical Lake on the Eastern State Hospital Campus addressed at 850 Maple Street in Medical Lake, Washington was conducted under modified protocols of 40 CFR 763.85 and by generally industry ashen/debris grid sampling survey protocols. All policies and procedures described in 40 CFR 763 have been followed. All work and statements contained herein are certified true and correct to the best of Mountain Consulting’s ability.

Inspector:  Date: December 5, 3023

Samuel W. Bailey Jr.
AHERA Building Inspector
Certification: BIR20230907-05
Expiration: September 7, 2024

Inspector:  Date: December 5, 3023

Todd A. Lewis
AHERA Building Inspector
Certification: BIR20230727-03
Expiration: July 27, 2024

APPENDIX A
CERTIFICATION & ACCREDITATION



KYRON

Certificate of Completion

Samuel Bailey, Jr

has successfully completed

4-Hr AHERA Certified Building Inspector Refresher Training

In compliance with TSCA Title II AHERA 40 CFR Part 763

as approved by the State of Missouri

Kyroneh Environmental Accreditation #MO-129

Date of Training & Exam: September 7, 2023, in Spokane, WA

Certificate # BIR20230907-05



Tim Lee, Instructor

Expires: 9/07/2024

Certificate of Training

Environmental Health Sciences, Inc.
certifies that

Samuel W. Bailey, Jr.

has successfully completed the

AHERA Building Inspector Training Course

in accordance with
40 CFR 763, Subpart E, Appendix C
held the 25th through the 27th day of March, 1996,
in Bellevue, Washington.


PRINCIPAL INSTRUCTOR


TRAINING DIRECTOR

March 27, 1997
EXPIRATION DATE

960312-01
CERTIFICATION NUMBER



ENVIRONMENTAL HEALTH SCIENCES, INC.
Nine Lake Bellevue Building • Suite 220 • Bellevue, Washington 98005
(206) 455-2959 Phone • (206) 646-7247 Fax



Certificate of Completion

Jodd Lewis

has successfully completed

4-Hr AHERA Certified Building Inspector Refresher Training

In compliance with TSCA Title II AHERA 40 CFR Part 763

as approved by the State of Missouri

Kyron Environmental Accreditation #MO-129

Date of Training & Exam: July 27, 2023, in Spokane, WA

Certificate # BIR20230727-03

Expires: 07/27/2024

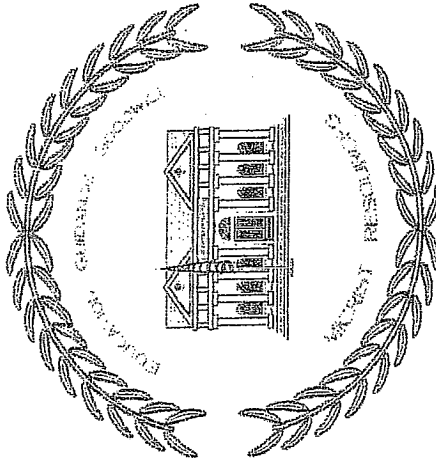
A handwritten signature in black ink, appearing to read "Rachel Green".

Instructor: Rachel Green

MICRIST ENVIRONMENTAL RESOURCE

Recognizes

Todd A. Lewis



Michael D. Thomas - Administrator

Michael D. Thomas - Instructor

In Successful Course Completion of

EPA AHERA Building Inspector Training

In Accordance with TSCA Title II Dates of Training: January 21-23, 2008 in Post Falls, ID

Certification Valid through January 23, 2009 Certification Number: BI-08-001 Date of Examination: January 23, 2008

MICRIST ENVIRONMENTAL 7045 East Greta Avenue, Post Falls, Idaho 83854 (208) 818-0455

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101890-0

Mountain Laboratories
Spokane Valley, WA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2023-10-01 through 2024-09-30

Effective Dates



A handwritten signature in black ink, appearing to read 'Peter S. Lamm'.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

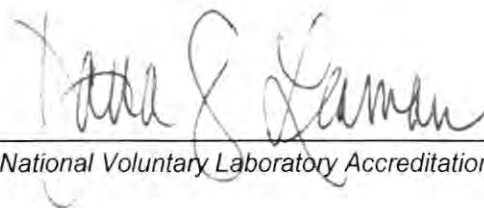
Mountain Laboratories
9922 East Montgomery, Suite 13
Spokane Valley, WA 99206
Ms. Heidi L. Porret
Phone: 509-922-1365 Fax: 509-922-1380
Email: heidi@mountainlaboratories.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101890-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program

**APPENDIX B
ASBESTOS BULK SAMPLING
ANALYSIS REPORT**



9922 East Montgomery Suite 13
Spokane Valley, WA 99206
(509) 922-1365 • Fax (509) 922-1380



TESTING
NVLAPLAB CODE 101890-0

November 28, 2023

**Mountain Consulting Services, LLC
Todd Lewis
9922 E. Montgomery Avenue, Suite 9
Spokane Valley, WA 99206**

**Project Name: 850 Maple Street, Medical Lake
Project #: 23-043.2**

Dear Mr. Lewis,

The enclosed report details results for the analysis of the bulk sample(s) submitted to Mountain Laboratories on November 21, 2023. Sample analysis was performed to determine asbestos type and content using Polarized Light Microscopy, supplemented by Dispersion Staining (PLM/DS).

This report includes a summary of the analytical results and chain of custody. Analytical results are only reflective of the samples, which were tested and presented in this report. Mountain Laboratories limits warranty to proper analysis methods and takes no responsibility for sample procurement.

It has been our pleasure providing you with these analytical services. If you have any questions regarding this report, please do not hesitate to call us at (509) 922-1365.

Sincerely,

Heidi L. Porret
Laboratory Manager
Mountain Laboratories
Mountain Laboratories NW, Inc.

Enclosure: 1023.37719.37730

**MOUNTAIN LABORATORIES
BULK SAMPLE ANALYSIS FOR ASBESTOS**

**Mountain Consulting Services, LLC
Todd Lewis
9922 E. Montgomery Avenue, Suite 9
Spokane Valley, WA 99206**

**Project Name: 850 Maple Street, Medical Lake
Project #: 23-043.2**

Test Method: 40 CFR, Part 763, Subpart E, Appendix E and EPA/600/R-93/116

Customer #: 1023

Laboratory No.	B23-37719	B23-37720	B23-37721
Sample ID No.	23-043.2-01	23-043.2-02	23-043.2-03
Sample Description	Plaster	Plaster	Plaster
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	No	No	No
Layered	Yes	Yes	Yes
Fibrous	No	No	No
Sample Color	Gray	Gray	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material	Aggregate 45% Quartz 15% Mica <1% Plaster 39%	Aggregate 45% Quartz 15% Mica <1% Plaster 39%	Aggregate 45% Quartz 15% Mica <1% Plaster 39%

Date Analyzed: November 28, 2023

Analyzed By: Liz Templeton

Mountain Laboratories, Mountain Laboratories NW, Inc. limits warranty to proper analysis methods only and takes no responsibility for sample procurement. Mountain Laboratories, Mountain Laboratories NW, Inc., 9922 E. Montgomery Suite #13, Spokane Washington 99206 (509) 922-1365 - Fax (509) 922-1380. PLM has been known to miss asbestos in a small percentage of samples. Thus negative or <1% PLM results should be tested with either SEM or TEM. Customer is responsible for sample separation. This report may only be reproduced in full with written approval by Mountain Laboratories. Soil/Dust samples are not covered under NVLAP Accreditation.

Sample results must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

**MOUNTAIN LABORATORIES
BULK SAMPLE ANALYSIS FOR ASBESTOS**

**Mountain Consulting Services, LLC
Todd Lewis
9922 E. Montgomery Avenue, Suite 9
Spokane Valley, WA 99206**

**Project Name: 850 Maple Street, Medical Lake
Project #: 23-043.2**

Test Method: 40 CFR, Part 763, Subpart E, Appendix E and EPA/600/R-93/116

Customer #: 1023

Laboratory No.	B23-37722	B23-37723	B23-37724
Sample ID No.	23-043.2-04	23-043.2-05	23-043.2-06
Sample Description	Concrete	Concrete	Brick
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	No	No	No
Sample Color	Gray	Gray	Red
Asbestos Present	No	No	No
Asbestos Type and Percentage	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material	Concrete 100%	Concrete 100%	Quartz 10% Aggregate 10% Other 80%

Date Analyzed: November 28, 2023

Analyzed By: Liz Templeton

Mountain Laboratories, Mountain Laboratories NW, Inc. limits warranty to proper analysis methods only and takes no responsibility for sample procurement. Mountain Laboratories, Mountain Laboratories NW, Inc., 9922 E. Montgomery Suite #13, Spokane Washington 99206 (509) 922-1365 - Fax (509) 922-1380. PLM has been known to miss asbestos in a small percentage of samples. Thus negative or <1% PLM results should be tested with either SEM or TEM. Customer is responsible for sample separation. This report may only be reproduced in full with written approval by Mountain Laboratories. Soil/Dust samples are not covered under NVLAP Accreditation.

Sample results must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

**MOUNTAIN LABORATORIES
BULK SAMPLE ANALYSIS FOR ASBESTOS**

**Mountain Consulting Services, LLC
Todd Lewis
9922 E. Montgomery Avenue, Suite 9
Spokane Valley, WA 99206**

**Project Name: 850 Maple Street, Medical Lake
Project #: 23-043.2**

Test Method: 40 CFR, Part 763, Subpart E, Appendix E and EPA/600/R-93/116

Customer #: 1023

Laboratory No.	B23-37725	B23-37726	B23-37727
Sample ID No.	23-043.2-07	23-043.2-08	23-043.2-09
Sample Description	Brick	Ceramic Tile	Ceramic Tile
Sample Treatment	Teased/Crushed	Teased/Crushed	Teased/Crushed
Homogeneous	Yes	No	No
Layered	No	Yes	Yes
Fibrous	No	No	No
Sample Color	Red	Gray/Tan	Gray/Tan
Asbestos Present	No	No	No
Asbestos Type and Percentage	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample			
Non-Fibrous Material	Quartz 10% Aggregate 10% Other 80%	Other 100%	Other 100%

Date Analyzed: November 28, 2023

Analyzed By: Liz Templeton

Mountain Laboratories, Mountain Laboratories NW, Inc. limits warranty to proper analysis methods only and takes no responsibility for sample procurement. Mountain Laboratories, Mountain Laboratories NW, Inc., 9922 E. Montgomery Suite #13, Spokane Washington 99206 (509) 922-1365 - Fax (509) 922-1380. PLM has been known to miss asbestos in a small percentage of samples. Thus negative or <1% PLM results should be tested with either SEM or TEM. Customer is responsible for sample separation. This report may only be reproduced in full with written approval by Mountain Laboratories. Soil/Dust samples are not covered under NVLAP Accreditation.

Sample results must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

**MOUNTAIN LABORATORIES
BULK SAMPLE ANALYSIS FOR ASBESTOS**

**Mountain Consulting Services, LLC
Todd Lewis
9922 E. Montgomery Avenue, Suite 9
Spokane Valley, WA 99206**

**Project Name: 850 Maple Street, Medical Lake
Project #: 23-043.2**

Test Method: 40 CFR, Part 763, Subpart E, Appendix E and EPA/600/R-93/116

Customer #: 1023

Laboratory No.	B23-37728	B23-37729	B23-37730
Sample ID No.	23-043.2-10	23-043.2-11	23-043.2-12
Sample Description	Insulation	Insulation	Insulation
Sample Treatment	Teased	Teased	Teased
Homogeneous	Yes	Yes	Yes
Layered	No	No	No
Fibrous	Yes	Yes	Yes
Sample Color	Gray	Gray	Gray
Asbestos Present	No	No	No
Asbestos Type and Percentage	N.D.	N.D.	N.D.
Total % Asbestos	None	None	None
Other Fibrous Material In Sample	Hair <1%	Hair <1%	Hair <1%
Non-Fibrous Material	Plant Life <1% Vermiculite 58% Quartz 20% Other 20%	Plant Life <1% Vermiculite 58% Quartz 20% Other 20%	Plant Life <1% Vermiculite 58% Quartz 20% Other 20%

Date Analyzed: November 28, 2023

Analyzed By: Liz Templeton

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Chain of Custody
ACM Bulk Sample Data for PLM Analysis


3 hr Rush		3 Day Turnaround
24 hr Rush	X	5 Day Turnaround
2 Day Turnaround		10 Day Turnaround
X Analyze to 1 st positive on sets of 2 or more		

Mountain Consulting Services
 9922 E Montgomery Drive, Suite 9
 Spokane Valley, Washington 99206

office (509) 924-9236 fax (509) 924-2787

Inspection Date: November 14, 2023 Project: Limited Asbestos Survey Callout Project # 23-043.2
 Client: DSHS Office of Capital Programs Bldg. ID: ESH, Materials Dump Site (between Pine Lodge & West Medical Lk.)
 Address: 850 Maple Street, Medical Lake, Washington 99022

Project ID:	Sample #	Sample Location	Material Description	Quantity	Comments	Asbestos Present
23-043.2	01	Dump Site	Plaster	Refer to Site Aerial Map		
23-043.2	02	Dump Site	Plaster			
23-043.2	03	Dump Site	Plaster			
23-043.2	04	Dump Site	Concrete			
23-043.2	05	Dump Site	Concrete			
23-043.2	06	Dump Site	Red Brick			
23-043.2	07	Dump Site	Red Brick			
23-043.2	08	Dump Site	Ceramic Tile			
23-043.2	09	Dump Site	Ceramic Tile			
23-043.2	10	Dump Site	Insulation inside Bricks			
23-043.2	11	Dump Site	Insulation inside Bricks			
23-043.2	12	Dump Site	Insulation inside Bricks			
23-043.2	13					
23-043.2	14					
23-043.2	15					
23-043.2	16					

RELEASED BY:  RECEIVED BY: Mountain Laboratories
 Signature: Monty Collins DELIVERY METHOD: hand CONDITION: good DATE/TIME RECEIVED: 11/14/23 11:45 AM

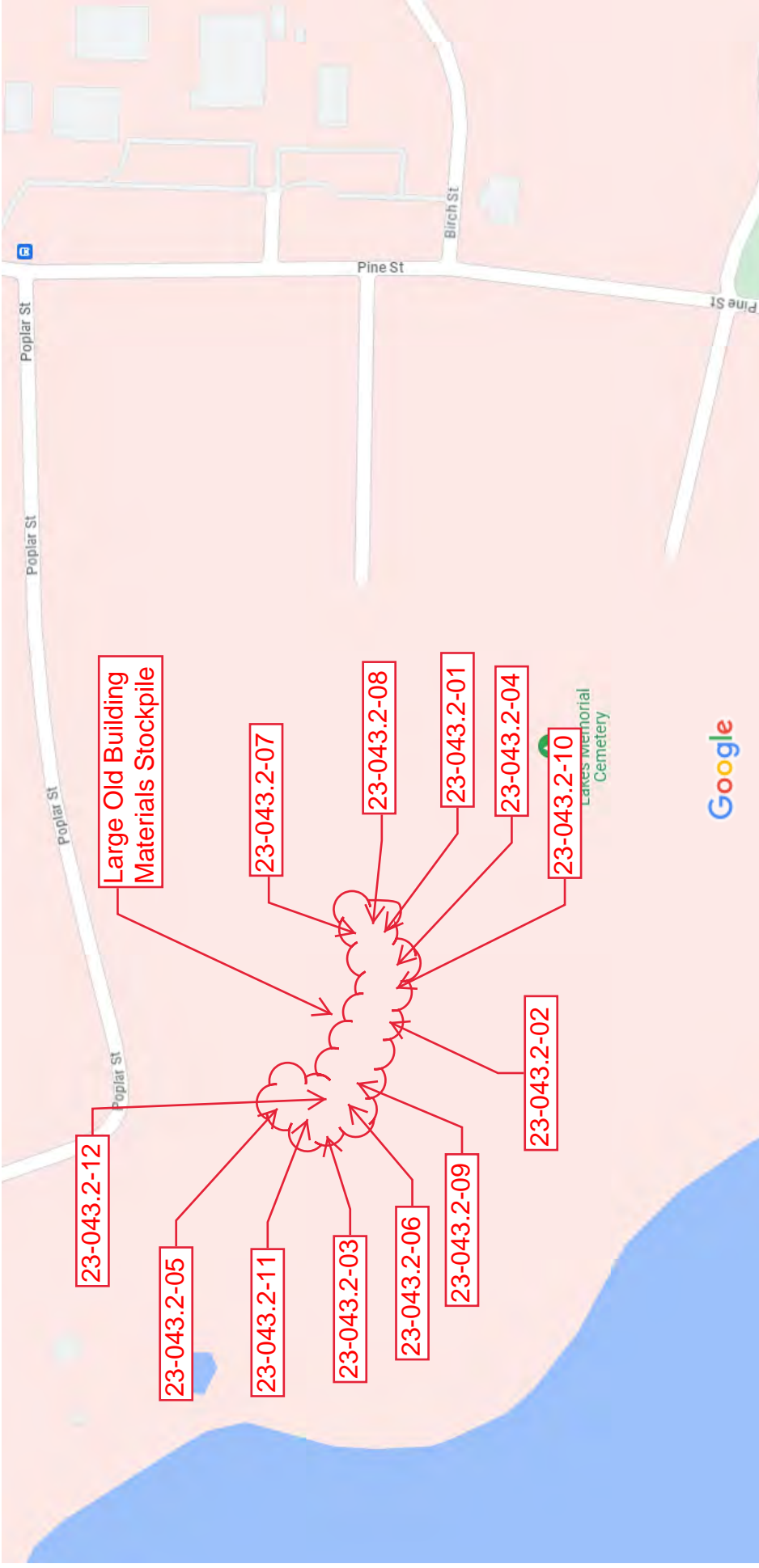
APPENDIX C
BULK SAMPLING LOCATION DRAWINGS



Imagery ©2023 Airbus, Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO, Map data ©2023 100 ft

Materials Dump Site is Approx. 400' Long, by 50' Wide, by 30' Deep; Covering an Area of Approx. 20,000 SF, with approx. 600,000 cubic feet / or 2,225 cubic yards of Material Present.

Mountain Consulting Services; Limited Asbestos Survey; Old Building Materials Dump Site Stockpile Situation; Site Location Layout Detail.



Mountain Consulting Services; Limited Asbestos Survey; Bulk Sampling Locations Site Map Detail.

APPENDIX D
SURVEY PHOTOGRAPHS



View of the Upper Flat Shelf Overlooking West Medical Lake; Where the Old Building Materials Dump Site Stockpile is Located to the South & West Sides of the Shelf.



View of the Northwest End Area of the Old Building Materials Stockpile; Proven to be Contaminated with Regulated Asbestos Vermiculite Insulation.



Close-up View of the RACM Vermiculite Insulation Present with the Large Building Materials Debris Pile.



View of the Southern Side Area of the Large Building Materials Debris Stockpile Looking East.



View of the Southeast End Area of the Large Building Materials Stockpile.



View of the South Side West End Corner Area of the Stockpile Where it Starts Wrapping to the North.



View of the Southern Side Central Area; Were the Large Deposit of Coal Waste is Present.



View of the Central Coal Top Shelf Area; Were the Coal is Still Smoldering from the Recent Past Gray Forest Fire Situation.



Close-up View of the Central Area Coal Waste Stockpile.



Typical Side View of a Stockpile; Giving a Representation to the Depth of the Debris.