



January 6, 2022

GeoEngineers, Inc.
600 Stewart Street, Suite 1700
Seattle, WA 98101

LIMITED ASBESTOS SURVEY

**Irving R. Newhouse Senate Building
215 Sid Snyder Avenue SW
Olympia, WA 98504**

PacRim # 17283

On January 5, 2022, Matt DeDominces of Pacific Rim Environmental, Inc. (PacRim) performed a limited inspection and testing of suspect asbestos-containing materials associated with the exposed pipe insulation in room 212 at Irving R. Newhouse Senate Building located at 215 Sid Snyder Avenue SW in Olympia, Washington. The scope of work is limited to the pipe insulation within the West wall of room 212

Mr. DeDominces is an AHERA Accredited Building Inspector, and the Pacific Rim Environmental, Inc. asbestos analytical laboratory is accredited by the National Voluntary Laboratory Accreditation Program (See Attachments).

This survey is not intended for, nor should it be used as a design specification. The Asbestos in Schools Hazard Amendment and Reauthorization Act (ASHARA), effective November 20, 1990, expanded accreditation requirements to apply to persons who work with asbestos in public and commercial buildings as well as schools. Specifically, ASHARA expanded the Toxic Substances Control Act (TSCA) Section 206 (a) (1) and (3) to require accreditation for any person who designs or conducts a response action with respect to friable ACM in a building. TSCA Section 207 provides for civil penalties of \$5,000 for each day of a violation for not employing accredited individuals to design and conduct response actions.

Sampling of suspect asbestos-containing materials was conducted as prescribed in 40 CFR 763.86.

Suspect asbestos-containing materials within the structure were identified and classified as either surfacing material, thermal system insulation, or miscellaneous material. Surfacing materials are those, which are either spray applied or troweled-on for acoustical, decorative, or fireproofing purposes. Thermal system insulation (TSI) is insulation used to inhibit heat transfer or to prevent condensation on pipes, boilers, tanks, ducts and various other components. Miscellaneous materials include all other materials not listed in the above categories such as floor tile, ceiling tile, roofing felt, cementitious materials, wallboard systems and products such as caulking, mastics and putties.

Pacific Rim Environmental, Inc.

6510 Southcenter Blvd, Ste. #40
Seattle, WA 98188

(206) 244-8965
www.pacrimenv.com



One (01) sample was collected and submitted for PLM laboratory analysis.

The results are provided in the table below. Laboratory analysis report is attached.

Bulk samples collected were submitted for sample analysis in accordance with method EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials". Analyses were performed in Pacific Rim Environmental, Inc. NVLAP Accredited Laboratory (Lab Code 101631-0). Materials are positive for asbestos if they are found to contain greater than 1% or 1% asbestos. Materials that are less than one percent (<1%) asbestos, although not considered positive for asbestos, when removed must follow applicable Washington State regulations.

Materials uncovered during the course of demolition, renovation, or maintenance activities that are not identified in this inspection report must be presumed to contain asbestos until PLM analysis proves that this material is not asbestos-containing.

| Sample Number | AHERA Category | Sample Location | Material Description | Asbestos Percentage and Type |
|---------------|----------------|---------------------|----------------------|------------------------------|
| 01 | TSI | Room 212, West wall | Pipe insulation | Chrysotile 50-55% |



If you have any questions regarding this inspection, please do not hesitate to contact our office via email at pre@pacrimenv.com or by phone at (206) 244-8965.

Respectfully,

Melanie Sandefur
Project Administrator
Pacific Rim Environmental, Inc.

Review By: *Allison Lewis*

Review Date: 1/6/21

PacRim # 17283

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BULK SAMPLE ANALYSIS REPORT



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Page: 1 of 2

Customer: GeoEngineers, Inc.
600 Stewart St., Ste. 1700
Seattle
WA 98101

Customer Project Number: None Given

Project Name: Irving R. Newhouse Senate Building
Project Address: 215 Sid Snyder Avenue SW
Olympia
WA 98504

PO Number: None Given

Sample Date: 05-Jan-2022

Total Samples: 1

PacRim Number: 17283
Report Number: 2022-01-0054
Date Received: 1/5/2022
Date(s) Analyzed: 1/5/2022

Turnaround Time: Rush
Report Date: 1/5/2022
Report By: William F. Golloway
Analyst(s): William F. Golloway

Sample analyzed for this report:
Laboratory ID Number
2022-01-0054

The bulk sample submitted was analyzed for asbestos content using Polarized Light Microscopy (PLM). Analysis was performed in accordance with Appendix E to Subpart E of 40 CFR 763 and EPA/600/R-93/116.

The test results pertain to the sample submitted for analysis. Unless otherwise noted, the sample was inhomogeneous; subsamples of components were analyzed to achieve representative analysis. Separate layers of layered samples are analyzed and reported separately. Unless otherwise stated, asbestos content was quantified by calibrated visual estimation (CVES). CVES concentrations are reported in two to three percent ranges for fiber concentrations ranging from one to ten percent, and usually five percent ranges for concentrations greater than ten percent. Samples in which asbestos was not observed are reported as "None Detected".

Limitations and Uncertainty:

Factors such as sample quality, sample size, interfering matrix material, fiber size, and fiber concentration contribute to the uncertainty in asbestos concentration estimates in bulk materials. Relative errors exceeding 100% may occur in samples containing less than one to ten percent asbestos. Relative errors are typically below thirty percent in samples having greater than ten percent asbestos, and approach zero as the asbestos concentrations approaches 100%.

Asbestos fibers with diameters less than approximately 0.25 microns are not detectable by PLM. Fibers with larger diameters may not be visible if obscured by interfering matrix materials. These extremely fine fibers may occur in floor tiles, adhesives, products with cement binders, and other non-friable or semi-friable materials. This limitation can be overcome using alternative analytical methods, such as Transmission Electron Microscopy (TEM).

This report cannot be represented by the customer to claim product endorsement by the National Voluntary Accreditation Program (NVLAP) or any agency of the United States Government.

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NVLAP Accredited Lab #: 101631-0
Samples Submitted by: PacRim

Report
Reviewed by:


1-5-2022
Approved Signatory



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Page: 2 of 2

Customer: GeoEngineers, Inc.

PacRim Number: 17283

Customer Project Number: None Given

Report Number: 2022-01-0054

Project Name: Irving R. Newhouse Senate Building

Date Received: 1/5/2022

Sample Date: 05-Jan-2022

Date(s) Analyzed: 1/5/2022

Report Date: 1/5/2022

Report By: William F. Golloway

Analyst(s): William F. Golloway

| | | | |
|--|----------------------------------|-------------------------------|--------------------------------|
| Field Sample Number: <u>01</u> | Field Sample Description: | Field Sample Location: | Analyst: WFG |
| Lab ID: 2022-01-0054 | TSI Pipe Insulation | Room 212, West Wall | Analysis Date: 1/5/2022 |
| Lab Sample Description | Asbestos Type/% | Non-Asbestos Fibers | Non-Fibrous Materials |
| Light grey, fibrous, aircell-like insulation material with inseparable, white to light brown woven wrap and loose, small aggregate and tar paper fragments | Chrysotile 50-55% | Cellulose 10-15% | Mineral Aggregate, Binder, Tar |

TECHNICIAN / LABORATORY CERTIFICATIONS

Certificate of Completion

This is to certify that
Matt R. DeDominces

has satisfactorily completed
4 hours of refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

182645
Certificate Number



Oct 13, 2021
Date(s) of Training

Expires in 1 year.

Exam Score: N/A
(if applicable)

A handwritten signature in black ink, appearing to read "John McCaslin".

Instructor: John McCaslin

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101631-0

Bulk Asbestos Analysis

Code

Description

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

A handwritten signature in blue ink, appearing to read "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101631-0

Pacific Rim Environmental, Inc.
Tukwila, 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).*

2021-04-01 through 2022-03-31

Effective Dates



A handwritten signature in blue ink, which appears to read "Peter S. Lamm".

For the National Voluntary Laboratory Accreditation Program