



11815 NE 99th Street, Suite 1294
Vancouver, WA 98662
Voice: 360-574-3058
Fax: 360-576-0925
Web: <https://www.swcleanair.gov>
Email: Tina@swcleanair.gov

Notification of Demolition

Case #: 24-171

Amendment: 0

Date Received: 3/19/2024

Date Paid: 3/19/2024

SWCAA Fee: \$74.00

Receipt #: 153021954

10 day waiting period from date submitted

1. Type of Notification: Original

2. Type of Operation:

3. Facility Description: 3211 NE 397th PI

Commercial Name or Description: Residence - Manufactured Home

Address: 3211 NE 397th PI

City/State/Zip/County: Washougal, WA 98671 CLARK COUNTY

Present Use: Residence

Previous Use: Residence

4. Facility Information

Property Owner: Susan & Tyler Barratt

Mailing Address:

Contact:

Phone:

5. Name and AHERA Certification Number of Asbestos Inspector:

Name: Stephen Strickland

Certification #: ON-4644-11135-121222

6. Asbestos Removal Contractor (if applicable):

Name:

Mailing Address: WA,

Contact:

Phone:

7. Dates Asbestos Removal Occurred:

Start:

Complete:

Asbestos Case No.: -

8. Dates Demolition Will Occur:

Start: 3/30/2024

Complete: 3/30/2024

9. Demolition Contractor:

Name: East County Fire & Rescue

Mailing Address: 600 NE 267th Avenue, Camas, WA, 98607

Contact:

Phone: 360-834-4908

10. Asbestos Disposal Site: N/A

11. Description of planned demolition work, method(s) to be used:

ECF&R will burn for training on Saturday, March 30, 2024

12. Fugitive Emissions/dust from Demolition Activities MUST BE Controlled/Prevented during all phases of the project

N/A

13. If unexpected Asbestos containing Material (ACM) is found during demolition, Stop Work, Notify SWCAA and Consult/Hire a Certified Asbestos Abatement Contractor

14. If demolition is ordered by a Government Agent:

Name:	Title:
Agency:	
Date of Order:	Date Ordered to Begin:

15. For Emergency Demolitions (Contact SWCAA prior to work): ☐ Emergency Demolition

Date and Time of Emergency:

Description of Sudden, Unexpected Event:

Explanation of how the event caused unsafe conditions or would cause equipment damage or an unreasonable burden:

16. I Certify that the above information is correct:

Submitter Name: Susan Barratt

Representing:

Submitter Title: Owner

Date Submitted: 3/19/2024

Email Address: suzwarjone@gmail.com

Reviewed by SWCAA: Danielle Kreps

Danielle Kreps

☒ Approved

The Washington State Dangerous Waste Regulations (WAC 173-303) require that demolition debris be evaluated to determine if it is dangerous. The evaluation should be completed before demolition to ensure that hazardous constituents are not released to the environment and do not present a risk to human health during or after demolition. These requirements apply to all buildings being demolished and are the responsibility of the property owner. The Washington Department of Ecology's website, <https://ecology.was.gov/Regulations-Permits/Guidance-technical-assistance/Dangerous-waste-guidance/Common-dangerous-waste/Construction-and-demolition>, provides more information about the requirements and about sampling and testing construction materials to determine if they present a risk. For more information please contact a Hazardous Waste Inspector at the Washington Department of Ecology Southwest Regional Office: (360) 407-6300.



ADVANTAGE
Environmental INC.
www.Advantage-Enviro.com

Asbestos Building Material Survey for Demolition



Conducted for:
Susan Baratt
3211 NE 397th Place
Washougal, WA 98671

Prepared By:
Advantage Environmental Inc.
9317 NE Hwy 99, Suite D
Vancouver, WA 98665

Project Number
240311

Conducted at
3211 NE 397th Place
Washougal, WA 98671

Inspection Date(s)
Wednesday, March 13, 2024

EPA/AHERA Inspector(s)
Stephen Strickland
360-839-0370
AHERA# ON-4644-11135-120723
Expires: 12/07/2024



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March 19, 2024

Susan Baratt
3211 NE 397th Place
Washougal, WA 98671
suzwarjone@gmail.com
503-780-6538

Re: Asbestos Building Material Survey for Demolition: 3211 NE 397th Pl - Washougal, WA

Dear Ms. Barratt,

Advantage Environmental, Inc., (AEI) was retained by Susan Barratt to complete an asbestos building material survey for demolition of the structure listed above. The results of the survey are provided in the accompanying report.

The purpose of this survey was to identify the location of asbestos containing materials prior to Demolition and disposal of building material within the structure. The scope of work included a walk-through inspection, bulk sampling and analysis of specific suspect asbestos containing materials, and a written report documenting the results of the survey. This survey was limited to the material identified within the material summary tables section.

This is not a bidding document and all quantities of asbestos containing material should be verified by the abatement contractor prior to submitting their bid.

Thank you for choosing Advantage Environmental for this project. Please feel free to contact us at (360) 356-7628 if you have any questions.

Respectfully,
Advantage Environmental, Inc.

Trystan South
Project Manager
AHERA Building Inspector

- 1 -

Asbestos Regulatory Background

The National Emissions Standards for Hazardous Air Pollutants (40 CFR Part 61) defines the three categories.

RACMs are:

- *Friable asbestos materials*
- *Category 1 & 2 non-friable materials which have become friable*
- *Category 2 non-friable ACM that will or has been subjected to sanding grinding, cutting or abrading*
- *Category 2 non-friable ACM that has a high probability of becoming or has become friable by the forces expected to act upon them in the course of demolition or renovation*

Category 1 non-friable materials include gaskets, packings, resilient floor coverings and asphalt roofing products containing more than 1% asbestos.

Category 2 non-friable materials are all non-friable materials not included in Category 1.

Homogeneous materials are materials that are considered consistent throughout an area of the building based on the material's appearance, including texture size and color, manufacturers' labels and or construction era.

Asbestos Containing Building Materials (ACBMs) are placed into one of three general material categories which include surfacing materials, thermal system insulation, and miscellaneous materials. Surfacing materials are spray or trowel applied materials such as plasters, acoustical, or texturing products. Thermal system insulation materials are associated with HVAC systems and include pipe, boiler, tank insulation, duct insulation, seam tape, pipe insulation, and chimney or flue insulation. The final category is miscellaneous materials, which includes any material that does not fall into one of the two prior categories. These include, but are not limited to: floor finishes, adhesives, cement asbestos boards, gypsum wall board, ceiling tiles, and window glazing.

After the category of building material is assessed, the condition is determined. Materials are divided into two condition categories: friable and non-friable. This describes the materials potential to release asbestos fibers. 17.74.352 defines friable asbestos containing materials as any material containing more than 1% asbestos applied on ceilings, walls, structural members, piping, ducting, or any other part of a structure which when dry may be crumbled, pulverized, or reduced to powder by hand pressure. This also includes non-friable material that may become damaged through such actions as sawing, grinding, abrading or chipping and may become friable and release fibers.

"Asbestos" means the asbestiform varieties of serpentine (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite (amosite), anthophyllite, actinolite, and tremolite.

"Asbestos containing material" means a material containing more than one-percent asbestos by weight. (ACM)

In accordance with EPA regulations, any material which tests at less than 1% asbestos is not regulated by the EPA. However, the EPA requires that any material less than 1% asbestos be confirmed by EPA 600 Method 400 or 1000 Point Count. OSHA safety regulations still apply no matter the asbestos content.

Building Description

The structure is a currently occupied single family manufactured home built in 2001. It is a 1 story ~1,782 sq. ft. 3 bedroom, 2 bathroom, manufactured home on CMU foundation. Interior walls and ceilings consisted of gypsum wallboard. The floors were wood with tile or wood flooring throughout.

Inaccessible Areas:

None noted.

Sampling Methodology

Asbestos

A walk-through of the area was conducted by an EPA/AHERA accredited building inspector to identify the location of suspect hazardous materials. The location, approximate quantity and condition of each material were recorded on field data sheets. Bulk samples of each suspect material were then collected and submitted to the laboratory under chain of custody documentation for analysis of asbestos content.

Samples were collected from selected homogeneous materials to evaluate the presence or absence of hazardous materials. Determination of homogeneous material included material type, texture, pattern, color, and size. A total of 20 suspect asbestos containing material samples were analyzed including sub-layers.

All asbestos samples collected by AEI were placed into pre-labeled airtight containers and brought to AEI's laboratory for analysis of asbestos content. AEI's laboratory analyzed the samples using Polarized Light Microscopy (PLM) with dispersion staining to identify asbestos constituents as required by EPA regulation 40 CFR, Part 763.

Advantage Environmental, Inc. participates in the American Industrial Hygiene Association (AIHA) Proficiency Analytical Testing's BAPAT program and is currently rated as proficient, Participant ID 163978.

Visual Assessment and Findings

Our survey activities began with visual observation of the property to identify homogeneous areas of suspect materials. Assessments were conducted throughout visually accessible areas of the property.

Building material identified as concrete, glass, wood, masonry, metal, or rubber were not considered suspect asbestos containing material.

Unidentified asbestos-containing material may be in place behind walls, ceilings, under floors, beneath carpeted areas, areas outside the scope of work at the time of inspection, and in other inaccessible areas.

A table indicating sample numbers, material description, material location, material condition and content of each material sampled is included in the material summary table below.

Laboratory analytical results, chain of custody documentation and notes are included in Appendix A. AHERA Building inspector credentials are included in Appendix B.

Limitations

The report is limited to the samples shown below in the material summary pages. Upon discovery of asbestos containing material found during demolition, renovation, or after an unexpected emergency, the property owner or operator of the demolition or renovation company is required to stop work immediately. All exposed suspect materials will need to be sampled by an AHERA accredited inspector and sent to an accredited laboratory for sample analysis. Although due diligence was taken during the inspection, unidentified asbestos-containing materials may be behind wall systems, above ceiling systems, or beneath concrete slabs.

Discussion & Recommendations

Asbestos

Asbestos-containing material must be removed by a licensed asbestos abatement contractor prior to any renovation, demolition, or repair work that will impact those materials.

Any materials encountered that are not specifically mentioned in this report should be considered asbestos containing until sufficient sampling has been completed to determine that these materials are non-asbestos containing.

OSHA regulations

(29 CFR 1926.1101) states that if asbestos containing materials, containing <1% asbestos, are to be removed by construction personnel, the employer shall provide awareness training, a written respirator protection program, respirators, and a negative exposure assessment.

The Occupational Safety and Health Administration (OSHA) classifies the removal or disturbance of asbestos containing material as Class I and Class II asbestos abatement projects. The removal of asbestos containing material requires the use of appropriate engineering controls, by a contractor licensed by the State of Oregon. The work methods utilized must include the use of wet methods, negative pressure enclosure, and decontamination facility.

Additionally, OSHA regulations (29 CFR 1926.1101) require employers to meet standards regarding personal protection, labeling, signs, daily air monitoring, use of engineering controls, notification, and respiratory protection for all activities related to the removal or disturbance of asbestos containing building materials.

EPA

***EPA recommends that bulk material found negative for asbestos or less than one percent asbestos by polarized light microscopy be reanalyzed by an additional method such as transmission electron microscopy.*

Warranty

Advantage Environmental Inc. warrants that this report has been prepared in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances. No other warranties are implied or expressed.

Material Summary Table

Asbestos

Laboratory results indicate "ASBESTOS NOT PRESENT" for all samples analyzed.

Sample Number	Material Description	Sample Locations	Condition	Approximate Quantity	Friable Yes/No	Asbestos Content
1A	White brocade ceiling texture	Master bedroom				Asbestos Not Present
1B	White brocade ceiling texture	Hallway				Asbestos Not Present
1C	White brocade ceiling texture	Living room				Asbestos Not Present
2A	White texture	Hallway-Southwest Corner				Asbestos Not Present
	White joint compound	Hallway-Southwest Corner				Asbestos Not Present
	White drywall	Hallway-Southwest Corner				Asbestos Not Present
2B	White texture	Living room-Northeast Corner				Asbestos Not Present
	White joint compound	Living room-Northeast Corner				Asbestos Not Present
	White drywall	Living room-Northeast Corner				Asbestos Not Present
2C	White texture	Master bathroom-Northwest Corner				Asbestos Not Present
	White texture	Master bathroom-Northwest Corner				Asbestos Not Present
	White joint compound	Master bathroom-Northwest Corner				Asbestos Not Present
	White drywall	Master bathroom-Northwest Corner				Asbestos Not Present
3	18"X18" Beige ceramic tile	Hallway bathroom				Asbestos Not Present
	Gray mortar	Hallway bathroom				Asbestos Not Present
4	12"X18" Dark brown ceramic tile	Master bathroom				Asbestos Not Present
	Light gray mortar	Master bathroom				Asbestos Not Present
5	Pink insulation	Exterior-behind siding				Asbestos Not Present
6	Black roofing	Roof-North Side				Asbestos Not Present
	Black roofing	Roof-North Side				Asbestos Not Present

APPENDIX A
Laboratory Analytical Results
Chain of Custody



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Polarized Light Microscopy Results

Lab No 143613
 Layers Analyzed 20
 Date Received 3/14/2024
 Received By Talia Carroll
 Date Analyzed 3/15/2024
 Analyzed By Nathan Blondino

Property Address 3211 NE 397th Pl
 City, State, Zip Washougal, WA
 Job Number Demolition
 Client Name Susan Baratt
 Client Address
 City, State, Zip
 Phone & E-mail

AEI Sample ID	Client Sample ID	Composition	Color/Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1A	Homogeneous	White Brocade Ceiling Texture	Asbestos Not Present	N/A	(White) Paint-CaCO3
002	1B	Homogeneous	White Brocade Ceiling Texture	Asbestos Not Present	N/A	(White) Paint-CaCO3
003	1C	Homogeneous	White Brocade Ceiling Texture	Asbestos Not Present	N/A	(White) Paint-CaCO3
004	2A	Layered	White Texture	Asbestos Not Present	N/A	(White) Paint-CaCO3
004A		Layered	White Joint Compound	Asbestos Not Present	N/A	CaCO3
004B		Layered	White Drywall	Asbestos Not Present	12% Cellulose	Gypsum
005	2B	Layered	White Texture	Asbestos Not Present	N/A	(White) Paint-CaCO3
005A		Layered	White Joint Compound	Asbestos Not Present	N/A	CaCO3
005B		Layered	White Drywall	Asbestos Not Present	12% Cellulose	Gypsum
006	2C	Layered	White Texture	Asbestos Not Present	N/A	(Light Gray) Paint-CaCO3
006A		Layered	White Texture	Asbestos Not Present	N/A	(Brown) Paint-CaCO3
006B		Layered	White Joint Compound	Asbestos Not Present	N/A	CaCO3
006C		Layered	White Drywall	Asbestos Not Present	12% Cellulose	Gypsum
007	3	Layered	Beige Ceramic Tile	Asbestos Not Present	N/A	Clay-CaCO3
007A		Layered	Gray Mortar	Asbestos Not Present	N/A	CaCO3-Sand
008	4	Layered	Dark Brown Ceramic Tile	Asbestos Not Present	N/A	Clay-CaCO3
008A		Layered	Light Gray Mortar	Asbestos Not Present	N/A	CaCO3-Sand
009	5	Homogeneous	Pink Insulation	Asbestos Not Present	99% Glass Fibers	Debris
010	6	Layered	Black Roofing	Asbestos Not Present	35% Glass Fibers	Sand-Tar


Lab No 143613

Property Address 3211 NE 397th PI Washougal, WA

AEI Sample ID	Client Sample ID	Composition	Color/ Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010A		Layered	Black Roofing	Asbestos Not Present	35% Glass Fibers	Sand-Tar

Disclaimer

- EPA Method 600/M4-82-020 (1982) was used to determine the presence or absence of asbestos fibers in all materials referenced in the above report. PLM analysis is based on visual estimation, and due to limitations of PLM analysis NESHAP regulations recommend that any material determined to contain less than 10% asbestos by the above referenced method should either be assumed to contain greater than 1% asbestos by the owner/operator, or be verified by PLM Point Count or TEM analysis as containing less than 1% asbestos.
- We recommend that TEM analysis be conducted for confirmation of negative PLM analytical results of vinyl floor tiles and vermiculite. These materials may contain asbestos fibers that cannot be detected by PLM analysis due to their size (<0.25 microns in diameter)
- This report may not be used to represent any materials not analyzed and listed in the included report. Advantage Environmental Inc. cannot be held responsible for the interpretation of the results shown. This report may not be reproduced in part and may only be reproduced in full without prior written consent from Advantage Environmental Inc.



ASBESTOS CHAIN OF CUSTODY

9317 NE Hwy 99, Suite D • (360) 356-7628
LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Lab Use Only			
Survey	<input checked="" type="checkbox"/>	Lab No.	143613
Walk-In	<input type="checkbox"/>	<div>Accept</div> <div>Reject</div>	

AHERA Inspector / Sampled By		Project Information	
Date:	3/13/2024	Company Name:	Susan Baratt
Name:	Stephen Strickland	Project Name:	Demolition
Phone:	360-356-7628	Project Location:	3211 NE 397th Pl, Washougal, WA
Email:	Stephen.Strickland@advantage-enviro.com	P.O. Number:	
RELINQUISHED BY		DATE & TIME	VIA
Name	Stephen Strickland	Date	3/13/2024
Sign		Time	9:00
		Drop-off	
		RECEIVED BY	
		DATE & TIME	3-14 11:30

REQUESTED SERVICES

PLM			TURNAROUND TIME				
Bulk Analysis			<input type="checkbox"/> Verbal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input checked="" type="checkbox"/> 24-Hour	<input type="checkbox"/> 3-Days
No.	Sample ID	Color	Description	Volume/Area (as applicable)	Comments / Notes	Condition	Friable
1	1A	White	Brocade Ceiling Texture	1800 Sqft	Master bedroom	G	Y
2	1B	White	Brocade Ceiling Texture		Hallway	G	Y
3	1C	White	Brocade Ceiling Texture		Living room	G	Y
4	2A	White	GWB/ Joint Compound	5500 Sqft	SW corner hallway	G	Y
5	2B	White	GWB/ Joint Compound		NE corner living room	G	Y
6	2C	White	GWB/ Joint Compound		NW corner master bathroom	G	Y
7	3	Beige	18x18 Ceramic Floor Tile	50 Sqft	Hallway bathroom	G	N
8	4	Brown	12x18 Ceramic Floor Tile	50 Sqft	Master bathroom	G	N
9	5	Pink	Insulation		Exterior behind siding	G	N
10	6	Black	Roofing	1800 Sqft	North side of roof	G	Y
11						G F P	Y N

Sample #	Additional Notes	Sample #	Additional Notes

APPENDIX B
AHERA Building Inspector
Certification

THE ASBESTOS INSTITUTE

Certifies that

Stephen Strickland

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

December 07, 2023

and successfully completed and passed the competency exam.

Certificate:
ON-4644-11135-120723

Date of Examination:
7-Dec-2023

Date of Expiration:
07-Dec-2024



William T. Cavness
Director



Approved Instructor

THE ASBESTOS INSTITUTE

20033 N. 19th Ave, Building 6, Phoenix, AZ 85027
602-864-6564 – www.theasbestosinstitute.com

The person receiving this certificate has completed the requisite training for asbestos accreditation under TSCA Title II.