Notification of Demolition

Case #: 25-002
Amendment: 0

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

Date Received: 1/2/2025
Date Paid: 1/2/2025
SWCAA Fee: $77.00
Receipt #: 168630007

10 day waiting period from date submitted

1. Type of Notification: Original

2. Type of Operation: Demolition

3. Facility Description: 1818 54th Street Washougal Wa 98671

Commercial Name or Description: Family Residence
Address: 1818 54th Street
City/State/Zip/County: Washougal, WA 98671 CLARK COUNTY
Present Use: Residence
Previous Use: Residence

4. Facility Information

Property Owner:

Property Owner: Quail Development LLC
Phone: 360-907-5800

5. Name and AHERA Certification Number of Asbestos Inspector:

Name: Jorge Camacho Pichardo
Certification #: 192797

6. Asbestos Removal Contractor (if applicable):

Name: Keystone Contracting, Inc.
Mailing Address: 417 NW 209th St, Ridgefield, 98642
Contact John Van Vessem
Phone: John Van Vesse

7. Dates Asbestos Removal Occurred:

Start: 12/11/2024
Complete: 12/11/2024
Asbestos Case No.: 24-818-0

8. Dates Demolition Will Occur:

Start: 1/12/2025
Complete: 1/12/2025

9. Demolition Contractor:

Name: Sarkinen Ground Works LLC

10. Asbestos Disposal Site: N/A

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

demolition remaining structure after Camas/Washougal Fire Training is completed

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

NA

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

NA

14. If demolition is ordered by a Government Agent:

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:

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16. I Certify that the above information is correct:

Submitter Name: Brandy McEllrath **Representing:** Quail Development LLC

Submitter Title: Development Admin **Date Submitted:** 1/2/2025

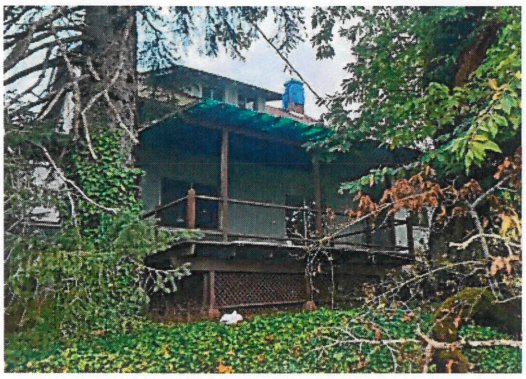
Email Address: brandy@quailhomes.com

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 samplng and testing construction materials to detemine 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.

Atlas Labs

Asbestos Survey Report



Presented To: Quail Development LLC

Survey Location: 1818 54th St, Washougal, WA 98671

Inspection Date: November 1st, 2024

Prepared by:

Jorge Camacho Pichardo
Of
Atlas Labs Inc.
Environmental Testing Services
CCB #: 231684

Atlas Labs Inc. • 5620 NE Gher Rd, Suite M, Vancouver, WA 98662 • (360) 852-8936 • www.atlaslabsinc.com

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Building/Structure Information

Owner/Operator Name:
Quail Development LLC

Owner/Operator Number:
(360) 952-0713

Survey Date:
November 1st, 2024

What is the building's description?
Residence

What is this structure's current use?
Residential

What is this structure's past use?
Residential

Building Square Footage:
1,200'

Number of Floors:
2

Area Surveyed:
Throughout

Approximate Build Date:
1923

1.0 EXECUTIVE SUMMARY

Atlas Labs Inc. has performed this work to aid in the demolition of the residence located at 1818 54th St, Washougal, WA 98671. This survey included visual observation, materials sampling and laboratory analyses of materials suspected of containing asbestos. The locations of the suspect materials are noted and documented in this report.

A total of twenty-seven (27) sample sets, forty-one (41) total samples were taken during this survey; laboratory procedure will be the separation of multiple layered samples and analysis of individual layers. Twenty-seven (27) material sample sets were collected and delivered to Atlas Labs Inc. Atlas laboratories divided these samples into one hundred & fifteen (115) separate layers for individual analysis. The samples of suspect asbestos containing materials included: texture, ceiling tile, insulation, window glaze, vinyl, mastic, drywall, paper layer, popcorn texture, joint compound, vermiculite, sink undercoat, foam layer, leveling compound, pipe insulation, brick mortar, sealer, shingle, tar paper, silver paint, tar layer, siding, vapor barrier & duct tape.

A total of seven (7) lead paint samples were taken during this survey from the following areas; 2nd floor bedroom #1 ceiling, main floor bedroom #3 wall, main floor bedroom #3 baseboard, living room wall, living room window, siding 2nd layer & main floor bedroom #3 exterior window.

The samples were analyzed by flame Atomic Absorption spectrometry. The current regulatory guidelines issued by HUD and EPA specify that paint containing more than 5000 ppm (parts per million) be considered lead paint.

OSHA's standard makes it clear that paint containing any lead falls into OSHA's guideline, 29 CFR 1926.62 "Lead For The Construction Industry" OAR 437, Division 3, applies to all construction work where an employee may be occupationally exposed to lead. All construction work excluded from the coverage in the general industry standard for lead by 29 CFR 1910.1025 (a)(2) is covered by this standard. https://www.osha.gov/laws-regs/regulations/standardnumber/1926/1926.62

Of the forty-one (41) asbestos samples taken thirty-two (32) of the suspect materials contained asbestos in quantities greater than 1% by weight, the asbestos containing materials are listed in section 4.0 - **Asbestos containing materials were identified during this inspection. (window glaze, residual vinyl backing, texture, popcorn texture, joint compound, vermiculite, pipe insulation & duct tape)**

Removal, encapsulation, enclosure, and an Operations and Maintenance (O&M) Program are all recognized alternatives for controlling asbestos containing materials in buildings. Federal OSHA and EPA regulations require removal of most asbestos containing materials from a building prior to demolition or before any planned renovation activities, which may disturb asbestos containing materials. Federal OSHA and EPA

regulations require proper handling of lead containing materials in construction. Proper handling of these materials depends greatly on the activities that will impact them.

Atlas Labs Inc. recommends that all asbestos-containing materials identified during this survey that may be affected by the work be removed by a licensed asbestos abatement contractor operating under a technical specification.

2.0 GENERAL INFORMATION

2.1 PROJECT INFORMATION

The structure is located at 1818 54th St, Washougal, WA 98671 . The structure is a two level residence with a basement built in 1923; construction is of standard stick frame with interior walls of drywall. Roofing consists of shingles over tar paper & small section of torch down flat roof.

2.2 PROCEDURES

The services provided in this phase of work included a visual survey of the building, material sampling, laboratory analysis for the presence of asbestos. The following sections discuss the general procedures employed for each of these tasks.

2.2.1 Plan and Specification Review

A survey to locate asbestos-containing materials is best served by a review of building plans and specifications to determine the type of construction used and the materials specified. No building plans and specifications were provided for review.

2.2.2 Walk Through and Visual Survey

The asbestos identification program began with a walk-through and visual survey of the building. The survey included observation of wall and ceiling finishes, various flooring materials, piping, structural building components, and above-ceiling areas. The primary purpose of the visual survey was to locate and identify friable and non-friable asbestos materials and devise a sampling strategy. "Friable" materials are those that can be crumbled by hand pressure, releasing fibers into the air.

2.2.3 Bulk Sampling

The next phase of the survey was the selection of sampling areas and collection of bulk samples. Material sampling areas were grouped based on material homogeneity. A homogeneous area is one which contains material that seems by texture, color and surface wear to be uniform and applied during the same general time period. To refute the presumption that materials installed prior to 1982 contain asbestos, multiple samples of similar suspect materials were collected to meet the requirements of EPA and OSHA regulations.

Samples were collected from accessible, representative construction materials, which were suspected to contain asbestos. Suspect materials observed and sampled included: texture, ceiling tile, insulation, window glaze, vinyl, mastic, drywall, paper layer, popcorn

texture, joint compound, vermiculite, sink undercoat, foam layer, leveling compound, pipe insulation, brick mortar, sealer, shingle, tar paper, silver paint, tar layer, siding, vapor barrier & duct tape.

Samples were labeled, and appropriate chain-of-custody documentation was completed. The samples were sent to Atlas Laboratories in Vancouver, WA for analysis.

2.2.4 Analyses of Bulk Samples

Asbestos samples were analyzed using Polarized Light Microscopy (PLM) coupled with dispersion staining in general accordance with the Environmental Protection Agency's (EPA) "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116, July 1993).

Polarized Light Microscopy is the only analytical method presently used to identify asbestos that employs the optical crystallographic properties of the various crystalline forms in the samples. These properties: refractive indices, birefringence, sign of elongation, and extinction angle, are unique to the individual crystalline forms and therefore is used to identify the different asbestos mineral types: Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite, and Actinolite.

The current NESHAP regulations (40 CFR Part 61, dated November 20, 1990) clarify the analytical procedures for determining the percentage of asbestos in bulk samples and permit the use of visual area estimation. The regulations further indicate the regulated asbestos-containing materials (RACM) – materials that are friable or may become friable, may be further analyzed by point counting when the results indicate less than 10 percent asbestos by visual area estimation. The laboratory utilizes visual area estimation on a routine basis and does not include point counting unless specifically requested.

3.0 ALTERNATIVES FOR CONTROLLING ACM

There are five industry-recognized alternative procedures to control exposure to asbestos-containing materials: (1) removal and disposal; (2) encapsulation; (3) enclosure; (4) repair; and (5) an operations and maintenance (O&M) program. The selection of a particular alternative should be based on the intended usage of the facility, on the condition and location of the asbestos-containing material, and on business considerations.

Atlas Labs Inc. understands that the plan for demolition of this structure is to remove all known asbestos containing materials that are present. Air monitoring and clearance sampling should be done throughout this project to ensure compliance with regulatory requirements and worker safety. Regardless of the alternative chosen, all asbestos-related mitigation activities should be conducted under properly controlled conditions by specially trained personnel. Asbestos removal should be performed by a licensed asbestos abatement contractor operating under the guidelines of strict specifications. All asbestos-containing materials, even when removed in the course of maintenance activities, must be properly disposed of as asbestos containing waste in

accordance with all state and federal regulations regarding abatement, transportation and disposal of asbestos containing materials.

3.1 REMOVAL AND DISPOSAL

Removal of the asbestos-containing material is the only permanent solution to the problem posed by exposure to asbestos fibers. Removal should be seriously considered when the material is extremely friable, badly damaged or when the material is readily accessible to people or staff. The EPA also requires removal before demolition of a facility or before renovation activities, which may disturb the asbestos-containing material. The Occupational Safety and Health Administration (OSHA) have specific requirements addressing the removal of asbestos-containing materials.

3.2 ENCAPSULATION

Encapsulation of asbestos-containing material is a temporary measure designed to reduce fiber emissions from the material. This alternative is recommended when the asbestos-containing material is in stable, relatively undamaged condition and presents little exposure potential. Encapsulation is considered a temporary measure because the asbestos-containing material still exists in the facility and care must always be taken to avoid disturbing it. The presence and location of the material should be documented and periodic inspections of the encapsulated areas should be made to ensure that no deterioration or damage has occurred.

3.3 ENCLOSURE

Enclosure requires surrounding the asbestos-containing material with an airtight seal or barrier to prevent any fibers released by the material from reaching facility occupants. This method is practical when asbestos-containing materials are difficult, if not impossible, to remove or encapsulate. Again, the location of the materials should be documented, periodic inspections performed, and a record keeping system implemented.

3.4 REPAIR

Repair of asbestos-containing materials is a temporary measure designed to minimize local fiber emissions from the material. Typically, repair is utilized for minimally damaged Thermal System Insulation (TSI) and wall and ceiling materials. Repair should only be used if the repair is technologically feasible and human health and the environment can be protected. Repair is also considered a temporary measure because the asbestos-containing material still remains in the building.

3.5 OPERATIONS AND MAINTENANCE PROGRAM

An Operations and Maintenance (O&M) Program is established to monitor the condition of the asbestos-containing materials and promote safe work practices within the facility. The O&M Program should include notification of the building occupants and workers of the presence and locations of the asbestos-containing materials, training of maintenance personnel in proper cleaning and maintenance procedures, periodic air monitoring in

affected areas, and regularly scheduled re-inspections of the asbestos-containing materials. Proper records documenting these efforts must also be maintained.

These recommendations are further elaborated by the EPA in "Managing Asbestos In-Place – A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials (EPA 20T-2003, July, 1990).

The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 took effect October 1, 1995. This regulation requires building owners/employers to either identify asbestos-containing material by surveying and bulk sampling, or by treating certain building materials as "Presumed Asbestos-Containing Materials (PACM)". Specifically, all thermal system insulation (TSI) and surfacing materials in buildings constructed prior to 1980 should be considered PACM and resilient flooring materials installed prior to 1980 should be assumed ACM. The presence of ACM or PACM requires the owner/employer to notify employees of the presence, provide training, and follow certain procedures when employees come in contact with such materials.

4.0 QUANTIFICATION TABLE

The following table indicates the approximate quantity of asbestos containing material identified at the Site.

Sample #	Location	Asbestos Containing Material	Asbestos %	Approx. Sq. Footage	Friable Y/N	Condition
4-A Layer 1	2nd Floor Bedroom #1 Window	Window Glaze (Grey)	2% Chrysotile	6 Units	Y	Good
5-A Layer 3	2nd Floor North Closet Floor	Residual Vinyl Backing (White / Grey)	20% Chrysotile	150'	Y	Good
7-A Layer 2	Main Floor Bedroom #3 Ceiling	Texture (Tan)	4% Chrysotile	500'	Y	Good
7-B Layer 2	Living Room Ceiling	Texture (White)	4% Chrysotile	_	Y	Good
7-C Layer 2	Living Room Ceiling	Texture (White)	4% Chrysotile	_	Y	Good
8-A Layer 2	Dining Room Ceiling	Popcorn Texture (White)	3% Chrysotile	265'	Y	Good
8-A Layer 3	Dining Room Ceiling	Joint Compound (White)	2% Chrysotile	_	Y	Good
8-B Layer 2	Dining Room Ceiling	Popcorn Texture (White)	3% Chrysotile	_	Y	Good
8-B Layer 3	Dining Room Ceiling	Joint Compound (White)	2% Chrysotile	_	Y	Good
8-C Layer 2	Kitchen Ceiling	Popcorn Texture (White)	3% Chrysotile	_	Y	Good
8-C Layer 3	Kitchen Ceiling	Joint Compound (White)	2% Chrysotile	_	Y	Good
9-A Layer 3	Bathroom Ceiling	2nd Layer Texture (Tan)	3% Chrysotile	300'	Y	Good
9-B Layer 3	Bathroom Ceiling	2nd Layer Texture (Tan)	3% Chrysotile	_	Y	Good
9-C Layer 3	Bathroom Wall	2nd Layer Texture (Tan)	3% Chrysotile	_	Y	Good
10-A Layer 2	Laundry Ceiling	Texture (Tan)	2% Chrysotile	350'	Y	Good
10-A Layer 3	Laundry Ceiling	Joint Compound (Tan)	2% Chrysotile	_	Y	Good
10-B Layer 2	Laundry Ceiling	Texture (Tan)	2% Chrysotile	_	Y	Good
10-B Layer 3	Laundry Ceiling	Joint Compound (Tan)	2% Chrysotile	_	Y	Good
10-C Layer 2	Laundry Wall	Texture (Tan)	2% Chrysotile	_	Y	Good
10-C Layer 3	Laundry Wall	Joint Compound (Tan)	2% Chrysotile	_	Y	Good

11-A LAyer 2	Living Room Wall	Texture (Tan)	3% Chrysotile	1,000'	Y	Good
11-B Layer 2	Living Room Wall	Texture (Tan)	3% Chrysotile	_	Y	Good
11-C Layer 2	Main Floor Bedroom #3 Wall	Texture (White)	4% Chrysotile	_	Y	Good
12-A Layer 2	Dining Room Wall	Texture (Off White)	2% Chrysotile	700'	Y	Good
12-A Layer 3	Dining Room Wall	Joint Compound (White)	2% Chrysotile	_	Y	Good
12-B Layer 2	Kitchen Wall	Texture (Off White)	2% Chrysotile	_	Y	Good
12-B Layer 3	Kitchen Wall	Joint Compound (White)	2% Chrysotile	_	Y	Good
12-C Layer 2	Kitchen Wall	Texture (Off White)	2% Chrysotile	_	Y	Good
12-C Layer 3	Kitchen Wall	Joint Compound (White)	2% Chrysotile	_	Y	Good
13-A Layer 1	Main Floor Attic	Vermiculite Insulation (Brown)	2% Chrysotile	Unk	N	Good
21-A Layer 1	Basement Water Line	Pipe Insulation (Grey)	55% Chrysotile	Unk	Y	Poor
27-A Layer 1	2nd Floor North Closet	Duct Tape (Grey)	60% Chrysotile	Unk	Y	Poor

4.1 Homogenous Materials/Areas

The following table indicates the Homogeneous Materials/Areas.

Sample Set #	Material	Rooms/Areas
26	Siding	Exterior Throughout

5.0 QUALIFICATIONS OF THE REPORT

Atlas Labs Inc. has endeavored to investigate the existing conditions within the subject building using standard accepted procedures. The asbestos survey scope of work is intended to identify asbestos-containing materials associated with the subject property. Regardless of the thoroughness of a survey, it is possible that some areas of asbestos-containing materials were overlooked or inaccessible, or are different from those at specific sample locations. Wall voids, building cavities, and mechanical equipment may contain unreported asbestos. In addition, renovation or construction may uncover altered or differing conditions. If a suspect material was not specifically sampled or does not appear to be represented by a similar material previously sampled, it should be analyzed prior to disturbance.

It should be noted that floor tiles and other resinous bound materials, when analyzed by the EPA method for asbestos, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. If a definitive result is required, Atlas Labs Inc. recommends utilizing alternative methods of identification, including Transmission Electron Microscopy (TEM).

This report presents the general descriptions of various construction materials and general locations where these materials were encountered. If questions arise during the planning of demolition, renovation or construction projects concerning the presence of asbestos-containing materials, we should be notified in order to view the conditions and present recommendations.

This report has been prepared on behalf of, and exclusively for the use of Quail Development LLC. This report and the findings herein shall not, in whole or in part, be disseminated or conveyed to any other party, or be used or relied upon by any other party, without the consultant's prior written consent by Atlas Labs Inc. **A copy of this survey report must be kept onsite during any remediation, renovation or demolition activities, as required by Southwest Clean Air Agency.**

If you have any questions about this information, please call our office at (360) 852-8936

Survey Performed By: Jorge Camacho Pichardo
AHERA Building Inspector - Certification: # 192797
Lead RRP - Certification : #R-I-41R028-21-00048
Contact Info: Jorge@atlaslabinc.com Cell Phone: (360) 953-0731

Sincerely,

Jorge Camacho Pichardo

Atlas Labs

APPENDIX A

Atlas Laboratories Inc.
14795 SW 72nd Ave, STE B Portland,OR 97224
(503) 430-5290 www.atlaslabsinc.com
CCB #231684

Atlas Labs

Full Survey Chain of Custody

Name / Company Name: Quail Development LLC			Phone: 360-952-0713
Contact Email: Brandy@quailhomes.com			
Project Name:			Batch: 22-1647901
Job/Project Address: 1818 54th St, Washougal, WA 98671			
Inspector: Jorge Camacho Pichardo Ph: (360) 953-0731 AHERA Cert. # 192797 Lead RRP Cert. #R-I-41R028-21-00048			
Survey Area Use: Residential	Approx. Year Built: 1923	Reason for Survey: Demo	Sq. Ft. 1,200'

- [X] Rush
- [ ] Next Day
- [ ] 2-Day
- [ ] 5-Day

- [X] Asbestos PLM
- [X] Lead Paint
- [ ] Other

#	Material Description	Friable Y/N	Location	Condition	Approx. SQ FT.
1-A	Ceiling Texture	Y	2nd Floor Bedroom #1 Ceiling	Good	500'
1-B	Ceiling Texture	Y	2nd Floor Bedroom #1 Ceiling	Good	-
1-C	Ceiling Texture	Y	2nd Floor Bedroom #1 Ceiling	Good	-
2-A	Ceiling Tile	Y	2nd Floor Bedroom #2 Ceiling	Good	60'
3-A	Insulation	N	Attic	Good	500'
4-A	Window Glaze	Y	2nd Floor Bedroom #1 Window	Good	6 Units
5-A	Vinyl	Y	2nd Floor North Closet Floor	Good	150'
6-A	Vinyl	Y	2nd Floor Bedroom #1 Closet Floor	Good	82'
7-A	Drywall	Y	Main Floor Bedroom #3 Ceiling	Good	500'
7-B	Drywall	Y	Living Room Ceiling	Good	-

Notes:

Inspector Signature: Jorge Camacho Pichardo	Date: 11-1-2024	Time: 2:42 PM
Accepted By: Nolan Wells	Date: 11/1/24	Time: 2:50PM
Lab Results Completed By:	Date Sent Out: 11/1/2024	(Email) Mail

Limitations of Inspection: Atlas Labs Inc. AHERA certified inspector performed a limited survey at the site, date, time and cause as stated above in this document along with lab analysis of possible asbestos and/or lead containing material. Atlas Labs Inc. survey is limited to areas defined on the Chain of Custody form.

General NESHAPS Bulk Sampling Guidelines: Material sampling areas were grouped based on homogeneous materials. A homogeneous area is one which contains material that seems by texture, color and surface wear to be uniform and applied during the same general time period. Samples are collected based on a visual survey of the work area as defined in this report. Samples were collected from accessible, representative construction materials, which were suspected to contain asbestos. If additional materials are found during the demolition process that were inaccessible at time of inspection that are not listed in this report please test before you cut. Survey is subject to direction from contractor, homeowner or owners agent.

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#	Material Description	Friable Y/N	Location	Condition	Approx. SQ FT.
7-C	Drywall	Y	Living Room Ceiling	Good	-
8-A	Drywall (Popcorn Texture)	Y	Dining Room Ceiling	Good	265'
8-B	Drywall (Popcorn Texture)	Y	Dining Room Ceiling	Good	-
8-C	Drywall (Popcorn Texture)	Y	Kitchen Ceiling	Good	-
9-A	Drywall	Y	Bathroom Ceiling	Good	300'
9-B	Drywall	Y	Bathroom Ceiling	Good	-
9-C	Drywall	Y	Bathroom Wall	Good	-
10-A	Drywall	Y	Laundry Ceiling	Good	350'
10-B	Drywall	Y	Laundry Ceiling	Good	-
10-C	Drywall	Y	Laundry Wall	Good	-
11-A	Drywall	Y	Living Room Wall	Good	1,000'
11-B	Drywall	Y	Living Room Wall	Good	-
11-C	Drywall	Y	Main Floor Bedroom #3 Wall	Good	-
12-A	Drywall	Y	Dining Room Wall	Good	700'
12-B	Drywall	Y	Kitchen Wall	Good	-
12-C	Drywall	Y	Kitchen Wall	Good	-
13-A	Vermiculite	N	Main Floor Attic	Good	Unk
14-A	Sink Undercoat	Y	Kitchen	Good	1 Unit
15-A	Vinyl	Y	Living Room Floor	Good	300'
16-A	Vinyl	Y	Main Floor Bedroom #3 Floor	Good	156'
17-A	Vinyl	Y	Bathroom Floor	Good	50'
18-A	Vinyl	Y	Dining Room/Hallway Floor	Good	220'
19-A	Vinyl	Y	Kitchen Floor	Good	171'
20-A	Vinyl	Y	Laundry Room Floor	Good	78'
21-A	Pipe Insulation	Y	Basement Water Line	Poor	Unk
22-A	Brick Mortar	Y	Chimney Wall	Fair	60'
23-A	Sealer	Y	Chimney Pipe Exhaust	Good	2 Lf
24-A	Roofing	N	Roof	Good	1,500'
25-A	Flat Roofing	N	Roof	Good	80'
26-A	Siding	N	Exterior Wall	Good	2,400'
27-A	Duct Tape	Y	2nd Floor North Closet	Poor	Unk

Special Instructions:

Atlas Labs

#	Material Description	Friable Y/N	Location	Condition	Approx. SQ FT.
Pb-1	Paint - 2nd Floor Bedroom #1 Ceiling				
Pb-2	Paint - Main Floor Bedroom #3 Wall				
Pb-3	Paint - Main Floor Bedroom #3 Base Board				
Pb-4	Paint - Living Room Wall				
Pb-5	Paint - Living Room Window				
Pb-6	Paint - Siding 2nd Layer				
Pb-7	Paint - Main Floor Bedroom #3 Exterior Window				

Special Instructions:

Atlas Labs

Batch # 2022 *

22-1647901

Name / Company *

Quail Development LLC

Analysis Date *

11/01/2024

Project Name

Project #

PO #

Analyst *

Dillon Lafever

Project Location *

1818 54th St., Washougal, WA 98671

Turnaround Time *

Rush

Asbestos Analysis of Bulk Material by Polarized Light Microscopy

Sample*	Layer*	Description*	Non Asbestos*	Asbestos Type*	Asbestos %*
1-A	1	Texture (White) - 2nd Floor Bedroom #1 Ceiling	Cellulose	None Present	N/D
1-A	2	Ceiling Tile (Brown) - 2nd Floor Bedroom #1 Ceiling	Cellulose	None Present	N/D
1-B	1	Texture (White) - 2nd Floor Bedroom #1 Ceiling	Cellulose	None Present	N/D
1-B	2	Ceiling Tile (Brown) - 2nd Floor Bedroom #1 Ceiling	Cellulose	None Present	N/D
1-C	1	Texture (White) - 2nd Floor Bedroom #1 Ceiling	Cellulose	None Present	N/D
1-C	2	Ceiling Tile (Brown) - 2nd Floor Bedroom #1 Ceiling	Cellulose	None Present	N/D
2-A	1	Ceiling Tile (Brown) - 2nd Floor Bedroom #2 Ceiling	Cellulose	None Present	N/D
3-A	1	Insulation (Yellow) - Attic	Fiberglass	None Present	N/D
3-A	2	Insulation (White) - Attic	Fiberglass	None Present	N/D
3-A	3	Insulation (Brown) - Attic	Cellulose	None Present	N/D
4-A	1	Window Glaze (Grey) - 2nd Floor Bedroom #1 Window	Cellulose	Chrysotile	2%

Sample*	Layer*	Description*	Non Asbestos*	Asbestos Type*	Asbestos %*
5-A	1	Vinyl (Blue / Green) - 2nd Floor North Closet Floor	Cellulose	None Present	N/D
5-A	2	Mastic (Brown) - 2nd Floor North Closet Floor	Cellulose	None Present	N/D
5-A	3	Residual Vinyl Backing (White / Grey) - 2nd Floor North Closet Floor	Cellulose	Chrysotile	20%
6-A	1	Vinyl (White / Speckled) - 2nd Floor Bedroom #1 Closet Floor	Cellulose	None Present	N/D
6-A	2	Mastic (Brown) - 2nd Floor Bedroom #1 Closet Floor	Cellulose	None Present	N/D
7-A	1	Drywall (White) - Main Floor Bedroom #3 Ceiling	Cellulose	None Present	N/D
7-A	2	Texture (Tan) - Main Floor Bedroom #3 Ceiling	Cellulose	Chrysotile	4%
7-A	3	Paper Layer (Grey) - Main Floor Bedroom #3 Ceiling	Synthetic	None Present	N/D
7-B	1	Drywall (White) - Living Room Ceiling	Cellulose	None Present	N/D
7-B	2	Texture (White) - Living Room Ceiling	Cellulose	Chrysotile	4%
7-B	3	Paper Layer (Grey) - Living Room Ceiling	Synthetic	None Present	N/D
7-C	1	Drywall (White) - Living Room Ceiling	Cellulose	None Present	N/D
7-C	2	Texture (White) - Living Room Ceiling	Cellulose	Chrysotile	4%
7-C	3	Paper Layer (Grey) - Living Room Ceiling	Synthetic	None Present	N/D
7-C	4	Mastic (Brown) - Living Room Ceiling	Cellulose	Chrysotile	<1%
8-A	1	Drywall (White) - Dining Room Ceiling	Cellulose	None Present	N/D
8-A	2	Popcorn Texture (White) - Dining Room Ceiling	Cellulose	Chrysotile	3%
8-A	3	Joint Compound (White) - Dining Room Ceiling	Cellulose	Chrysotile	2%
8-B	1	Drywall (White) - Dining Room Ceiling	Cellulose	None Present	N/D
8-B	2	Popcorn Texture (White) - Dining Room Ceiling	Cellulose	Chrysotile	3%
8-B	3	Joint Compound (White) - Dining Room Ceiling	Cellulose	Chrysotile	2%
8-C	1	Drywall (White) - Kitchen Ceiling	Cellulose	None Present	N/D
8-C	2	Popcorn Texture (White) - Kitchen Ceiling	Cellulose	Chrysotile	3%
8-C	3	Joint Compound (White) - Kitchen Ceiling	Cellulose	Chrysotile	2%
9-A	1	Drywall (White) - Bathroom Ceiling	Cellulose	None Present	N/D
9-A	2	1st Layer Texture (White) - Bathroom Ceiling	Cellulose	None Present	N/D

Sample*	Layer*	Description*	Non Asbestos*	Asbestos Type*	Asbestos %*
9-A	3	2nd Layer Texture (Tan) - Bathroom Ceiling	Cellulose	Chrysotile	3%
9-A	4	Mastic (Brown) - Bathroom Ceiling	Cellulose	None Present	N/D
9-A	5	Paper Layer (Grey) - Bathroom Ceiling	Synthetic	None Present	N/D
9-B	1	Drywall (White) - Bathroom Ceiling	Cellulose	None Present	N/D
9-B	2	1st Layer Texture (White) - Bathroom Ceiling	Cellulose	None Present	N/D
9-B	3	2nd Layer Texture (Tan) - Bathroom Ceiling	Cellulose	Chrysotile	3%
9-B	4	Mastic (Brown) - Bathroom Ceiling	Cellulose	None Present	N/D
9-B	5	Paper Layer (Grey) - Bathroom Ceiling	Synthetic	None Present	N/D
9-C	1	Drywall (White) - Bathroom Wall	Cellulose	None Present	N/D
9-C	2	1st Layer Texture (White) - Bathroom Wall	Cellulose	None Present	N/D
9-C	3	2nd Layer Texture (Tan) - Bathroom Wall	Cellulose	Chrysotile	3%
9-C	4	Mastic (Brown) - Bathroom Wall	Cellulose	None Present	N/D
9-C	5	Paper Layer (Grey) - Bathroom Wall	Synthetic	None Present	N/D
10-A	1	Drywall (White) - Laundry Ceiling	Cellulose	None Present	N/D
10-A	2	Texture (Tan) - Laundry Ceiling	Cellulose	Chrysotile	2%
10-A	3	Joint Compound (Tan) - Laundry Ceiling	Cellulose	Chrysotile	2%
10-B	1	Drywall (White) - Laundry Ceiling	Cellulose	None Present	N/D
10-B	2	Texture (Tan) - Laundry Ceiling	Cellulose	Chrysotile	2%
10-B	3	Joint Compound (Tan) - Laundry Ceiling	Cellulose	Chrysotile	2%
10-C	1	Drywall (White) - Laundry Wall	Cellulose	None Present	N/D
10-C	2	Texture (Tan) - Laundry Wall	Cellulose	Chrysotile	2%
10-C	3	Joint Compound (Tan) - Laundry Wall	Cellulose	Chrysotile	2%
11-A	1	Drywall (White) - Living Room Wall	Cellulose	None Present	N/D
11-A	2	Texture (Tan) - Living Room Wall	Cellulose	Chrysotile	3%
11-B	1	Drywall (White) - Living Room Wall	Cellulose	None Present	N/D
11-B	2	Texture (Tan) - Living Room Wall	Cellulose	Chrysotile	3%
11-B	3	Mastic (Brown) - Living Room Wall	Cellulose	None Present	N/D
11-B	4	Paper Layer (Grey) - Living Room Wall	Synthetic	None Present	N/D
11-C	1	Drywall (White) - Main Floor Bedroom #3 Wall	Cellulose	None Present	N/D
11-C	2	Texture (White) - Main Floor Bedroom #3 Wall	Cellulose	Chrysotile	4%
12-A	1	Drywall (White) - Dining Room Wall	Cellulose	None Present	N/D
12-A	2	Texture (Off White) - Dining Room Wall	Cellulose	Chrysotile	2%

Sample*	Layer*	Description*	Non Asbestos*	Asbestos Type*	Asbestos %*
12-A	3	Joint Compound (White) - Dining Room Wall	Cellulose	Chrysotile	2%
12-B	1	Drywall (White) - Kitchen Wall	Cellulose	None Present	N/D
12-B	2	Texture (Off White) - Kitchen Wall	Cellulose	Chrysotile	2%
12-B	3	Joint Compound (White) - Kitchen Wall	Cellulose	Chrysotile	2%
12-C	1	Drywall (White) - Kitchen Wall	Cellulose	None Present	N/D
12-C	2	Texture (Off White) - Kitchen Wall	Cellulose	Chrysotile	2%
12-C	3	Joint Compound (White) - Kitchen Wall	Cellulose	Chrysotile	2%
13-A	1	Vermiculite Insulation (Brown) - Main Floor Attic	Cellulose	Tremolite	2%
14-A	1	Sink Undercoat (Black) - Kitchen	Cellulose	None Present	N/D
15-A	1	Mastic (Yellow) - Living Room Floor	Cellulose	None Present	N/D
15-A	2	1st Layer Vinyl (Green / Brown) - Living Room Floor	Cellulose	None Present	N/D
15-A	3	Mastic (Brown) - Living Room Floor	Cellulose	None Present	N/D
15-A	4	2nd Layer Vinyl (Brown Wood Tone) - Living Room Floor	Cellulose	None Present	N/D
15-A	5	Mastic (Brown) - Living Room Floor	Cellulose	None Present	N/D
16-A	1	Vinyl (Off White / Grey) - Main Floor Bedroom #3 Floor	Cellulose	None Present	N/D
16-A	2	Mastic (Brown) - Main Floor Bedroom #3 Floor	Cellulose	None Present	N/D
17-A	1	1st Layer Vinyl (Beige / Grey) - Bathroom Floor	Cellulose / Fiberglass	None Present	N/D
17-A	2	Foam Layer (Grey) - Bathroom Floor	Synthetic	None Present	N/D
17-A	3	Mastic (Yellow) - Bathroom Floor	Cellulose	None Present	N/D
17-A	4	2nd Layer Vinyl (Tan / Grey) - Bathroom Floor	Cellulose	None Present	N/D
17-A	5	Mastic (Brown) - Bathroom Floor	Cellulose	None Present	N/D
18-A	1	1st Layer Vinyl (Off White / Beige) - Dining Room / Hallway Floor	Cellulose / Fiberglass	None Present	N/D
18-A	2	Mastic (Yellow) - Dining Room / Hallway Floor	Cellulose	None Present	N/D
18-A	3	Leveling Compound (Grey) - Dining Room / Hallway Floor	Cellulose	None Present	N/D
18-A	4	2nd Layer Vinyl (Tan / Yellow / Multi-Color) - Dining Room / Hallway Floor	Cellulose	None Present	N/D
18-A	5	Mastic (Brown) - Dining Room / Hallway Floor	Cellulose	None Present	N/D
19-A	1	Vinyl (White / Grey / Tan) - Kitchen Floor	Cellulose / Fiberglass	None Present	N/D
19-A	2	Mastic (Yellow) - Kitchen Floor	Cellulose	None Present	N/D

Sample*	Layer*	Description*	Non Asbestos*	Asbestos Type*	Asbestos %*
19-A	3	Leveling Compound (Grey) - Kitchen Floor	Cellulose	None Present	N/D
20-A	1	Vinyl (White) - Laundry Room Floor	Cellulose / Fiberglass	None Present	N/D
20-A	2	Mastic (Clear) - Laundry Room Floor	Cellulose	None Present	N/D
20-A	3	Leveling Compound (Grey) - Laundry Room Floor	Cellulose	None Present	N/D
20-A	4	Mastic (Yellow) - Laundry Room Floor	Cellulose	None Present	N/D
21-A	1	Pipe Insulation (Grey) - Basement Water Line	Cellulose	Chrysotile	55%
22-A	1	Brick Mortar (Grey) - Chimney Wall	Cellulose	None Present	N/D
23-A	1	Sealer (Off White) - Chimney Pipe Exhaust	Synthetic	None Present	N/D
24-A	1	Shingle (Red / Black) - Roof	Fiberglass	None Present	N/D
24-A	2	Tar Paper (Black) - Roof	Cellulose	None Present	N/D
25-A	1	Silver Paint (Silver) - Roof	Cellulose	None Present	N/D
25-A	2	Tar Layer (Black) - Roof	Cellulose	None Present	N/D
25-A	3	Tar Paper (Black) - Roof	Fiberglass	None Present	N/D
25-A	4	Tar Paper (Black) - Roof	Cellulose	None Present	N/D
26-A	1	Siding (Brown) - Exterior Wall	Cellulose	None Present	N/D
26-A	2	Vapor Barrier (Black) - Exterior Wall	Cellulose	None Present	N/D
26-A	3	Tar Layer (Black) - Exterior Wall	Cellulose	None Present	N/D
27-A	1	Duct Tape (Grey) - 2nd Floor North Closet	Cellulose	Chrysotile	60%

To Be Filled by the Technician
Technician *

otherwise noted. Transmission Electron Microscopy asbestos identification and lead paint analysis will be available and performed by laboratories by proxy. Original analysis documents are available upon request of the client.

SanAir Technologies Laboratory

SanAir ID Number
24063182
FINAL REPORT
11/4/2024 3:38:56 PM

Name: Atlas Labs, Inc.
Address: 14795 SW 72nd Ave. Suite B
Portland, OR 97224
Phone: 360-852-8936

Project Number: 1818 54th St
P.O. Number: Amended Report CAT 11.04.24
Project Name: Quail Development LLC
Collected Date: 11/1/2024
Received Date: 11/4/2024 9:55:00 AM

Analyst: Rivera, Shirley
Test Method: SW846/M3050B/7000B

Lead Paint Analysis

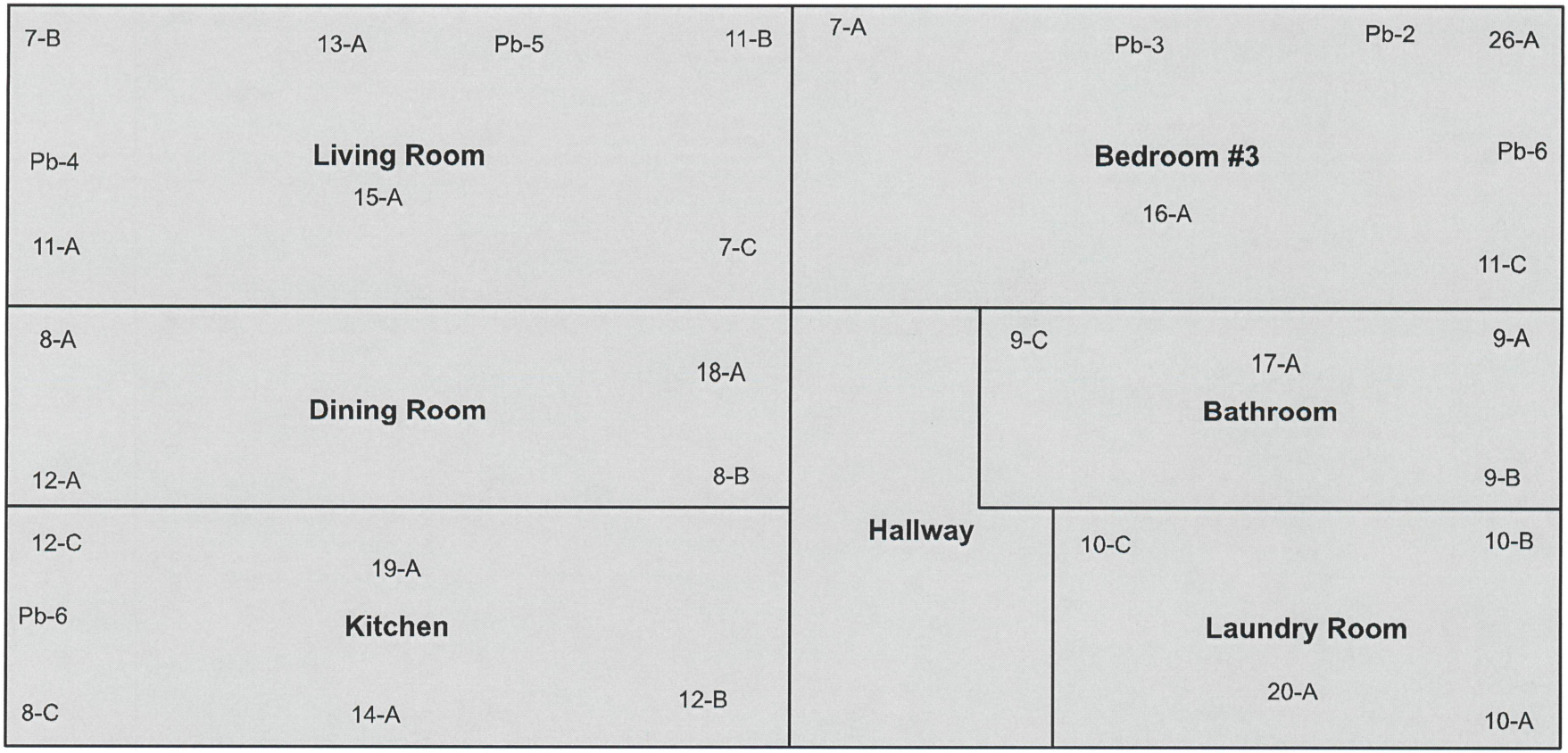
PAINT Sample	Description	µg Pb In Sample	Sample Size (grams)	Calculated RL	Sample Results	Sample Results
24063182 - 1	Pb-1 Paint - 2nd Floor Bedroom #1 Ceiling	124	0.1024	97.7	1210 µg/g (ppm)	0.121 % By Weight
24063182 - 2	Pb-2 Paint - Main Floor Bedroom #3 Wall	188	0.1092	91.6	1720 µg/g (ppm)	0.172 % By Weight
24063182 - 3	Pb-3 Paint - Main Floor Bedroom #3 Base Board	2210	0.1036	96.5	21330 µg/g (ppm)	2.133 % By Weight
24063182 - 4	Pb-4 Paint - Living Room Wall	11	0.1058	94.5	102.5 µg/g (ppm)	0.010 % By Weight
24063182 - 5	Pb-5 Paint - Living Room Window	281	0.1015	98.5	2766 µg/g (ppm)	0.277 % By Weight
24063182 - 6	Pb-6 Paint - Siding 2nd Layer	6653	0.1012	98.8	65740 µg/g (ppm)	6.574 % By Weight
24063182 - 7	Pb-7 Paint - Main Floor Bedroom #3 Exterior Window	6245	0.1221	81.9	51150 µg/g (ppm)	5.115 % By Weight

Method Reporting Limit <10 µg/0.1 g paint
Sample Pb-3 contained substrate.Amended: Changed project number per client request CAT 11.04.24

Signature: 
Date: 11/4/2024

Reviewed: 
Date: 11/4/2024

APPENDIX B



1818 54th St, Washougal, WA 98671 - Main Floor

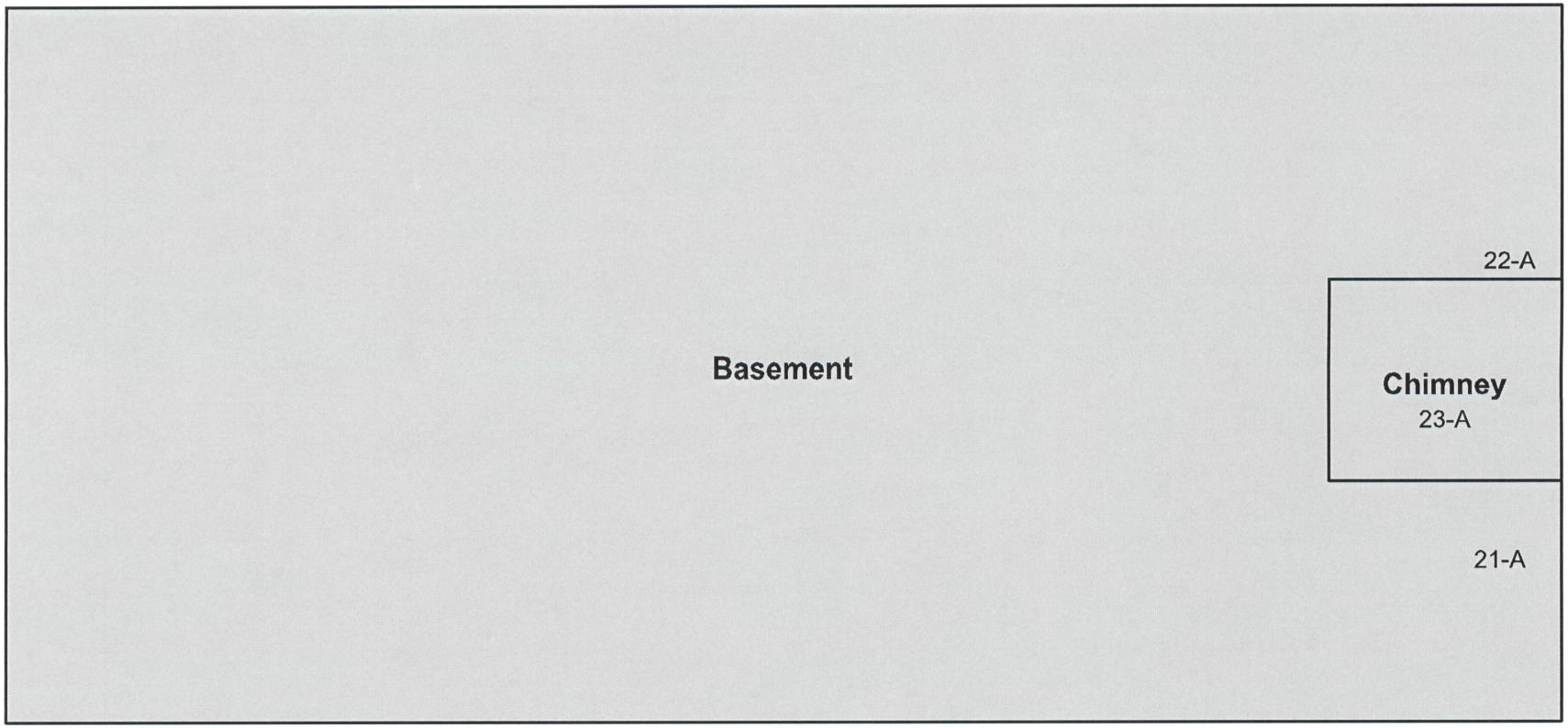
Suspect Asbestos Containing Sample Locations

Atlas Labs

1818 54th St, Washougal, WA 98671 - 2nd Floor

Suspect Asbestos Containing Sample Locations

Atlas Labs



1818 54th St, Washougal, WA 98671 - Basement

Suspect Asbestos Containing Sample Locations

Atlas Labs

APPENDIX C

Certificate of Completion

This is to certify that

Jorge Camacho

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

192797
Certificate Number

Instructor: Ed Edinger

Mar 6, 2024 Expires in 1 year.
Date(s) of Training

Exam Score: N/A
(if applicable)

Terracon
Explore with us

- Facilities
- Environmental
- Geotechnical
- Materials

EnviroEd LLC

1066 Oldstone Road Allentown, PA 18103
(888) 779-8404 rrptraining@enviroed.net www.enviroed.net

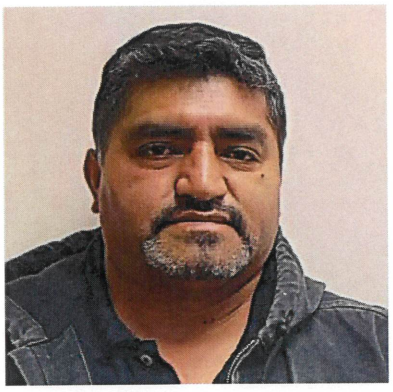
Certificate of Attendance and Successful Completion
Renovator Initial – English

Issued in accordance with OAR 333-070 and 40 CFR 745.225

Jorge Camacho Pichardo
5620 NE Gher Rd Suite M
Vancouver, WA 98682

Certificate Number: R-I-41R028-21-00048

Date of Course: 4/15/2021
Date of Successful Test Completion: 4/15/2021
Date of Certificate Expiration: 4/15/2026



Jessica L. Lucas 4/24/2021

Jessica L. Lucas RS, HHS — Date
EnviroEd, LLC, Training Manager