City of Snoqualmie
38624 SE River Street, P.O. Box 987
Snoqualmie, Washington 98065

Job Order Authorization

Date: 5/28/2024

Job Order Contracting

Project Information	**Job Order #:**	2024-01F	**Location #:**
	Project:		
	Job Order Title:	Home Demo	
	Location:	Home Demo 7702 Railroad Ave Snoqualmie, WA 98065	
Contract Information	**Contractor Contract #:**	23-051	
	Vendor:	FORMA Construction Company (Olympia) 500 Columbia St NW Suite 201, Olympia, WA 98501	
Project Costs	**Construction:**	**$115,892.33**	
	Construction Sales Tax 8.9%	**$10,314.42**	
	Gordian Licensing 1.95%	**$2,259.90**	
	Sales Tax on License Fee 8.9%	**$201.13**	
	Gordian Fee 3.05%	**$3,534.72**	
	Total:	***$132,202.50***	
Charge Code			
Schedule	**Project Duration:**		
	Construction Started:		
	Construction Complete:		

Sign below to approve this Job Order. Mayor and City Administrator to sign if over $116,155. Parks & Public Works Director to sign if under $116,155.

Mayor **Date**

City Administrator **Date**

Parks & Public Works Director **Date**

City of Snoqualmie
38624 SE River Street, P.O. Box 987
Snoqualmie, Washington 98065

Final Scope of Work

Date: 5/28/2024

Job Order Contracting

To:

From: Brian Kazem
FORMA Construction Company (Olympia)
500 Columbia St NW Suite 201
Olympia, WA 98501
(360) 754-5788
briank@formacc.com

Contract No:	23-051
Job Order No:	2024-01F
Job Order Title:	Home Demo
Location:	Home Demo 7702 Railroad Ave Snoqualmie, WA 98065
Brief Scope of Work:	Building Demolition, removal of building and property related to the building. Grading to make final site to level with both sites of the parcel. In addition, the demolition process cannot close the road (HWY 202/Railroad Ave) without a additional permit from Washington Department of Transportation (Including traffic control plan). Staff recomend demo not pusue this permit unelss it is necessary. Additional requiments due to permiting: - PSCAA Notice of Intent (City will obtain, contractor plans and details may be required) - Erosion Control Plan (TESC Plan) - Confirmation of Utility Disconnect (City will assist)

Charge Code:

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Hazardous Materials Survey

7702 Railroad Ave SE
Snoqualmie, WA 98065

Prepared For
Dylan Gamble
City of Snoqualmie
38624 SE River St
Snoqualmie, WA 98065

Project Number	2024-0064
Inspection Date	February 16, 2024
Report Date	February 22, 2024
Inspected By	Cameron Patterson
AHERA Certification	#187422
Certification Expiration Date	December 27, 2024

TABLE OF CONTENTS

1.0 SCOPE OF WORK

A Hazardous Materials Survey was conducted on the residence located at 7702 Railroad Ave SE, Snoqualmie, WA 98065 on February 16, 2024.

Cameron Patterson (AHERA Certified Building Inspector / WA Commerce Lead Based Paint Inspector) conducted this inspection at the request of Dylan Gamble of the City of Snoqualmie.

The purpose of this survey was to identify suspect asbestos containing building materials, lead paint coatings, and Mercury (Hg) / PCB containing devices which would be impacted by the planned demolition of the structure.

Destructive sampling methods were utilized to collect samples of suspect building materials. No soft/limited demolition was performed during this inspection. Hidden materials may exist within the structure, and all suspect materials must be treated as hazardous until testing proves otherwise.

This survey constitutes a survey of accessible suspect ACM in the project area and was conducted in accordance with:

The National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 Code of Federal Regulations (CFR) Part 61, Subpart M requires a survey by an accredited asbestos inspector prior to demolition of a structures.

This asbestos survey also satisfies the requirements for “Good Faith” inspection outlined in Washington Administrative Code (WAC) 296-62-07721 (2) Communication of hazards, which requires the owner of a structure to provide contractors with a written report identifying the asbestos-containing materials expected to be disturbed during renovation or demolition.

The asbestos survey section is written to comply with the AHERA asbestos sampling procedure as stated in 40 CFR 763.86. This protocol is required under the Puget Sound Clean Air Agency (PSCAA Regulation III, Article IV, rev. March 26, 2009) for all asbestos surveys prior to a building demolition.

Recommendations have been included for compliance with WAC 296-155-176 “Lead in Construction” and WAC 173-090 “Waste Disposal Regulations”. The Lead in Construction regulations are designed to protect workers from lead hazards during construction and demolition activities.

Fluorescent light tubes, HID lamps, and thermostats containing Mercury (Hg) are classified as universal waste by the EPA and Washington Department of Ecology. Recommendations have been included for compliance with WAC 173-303-573, “The Universal Waste Rule for Dangerous Waste”.

A floor plan indicating locations of samples collected by NVL personnel has been included in **Appendix A**.

2.0 SURVEY METHOD

Asbestos Survey Method

The NVL Labs field inspector is an Asbestos Building Inspector, certified under the requirements of the United States Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) regulation 40 CFR 763, Subpart E. A copy of his certificate is provided in Appendix C.

The AHERA Guidelines dictate the following:

The inspector must determine *homogeneous areas*, which are defined as an area of Thermal System Insulation, Surfacing Material, or Miscellaneous Material that is uniform in texture and color.

Once homogeneous areas have been determined, the inspector must determine whether or not material is friable or non-friable. ***Friable*** is defined as a material, that when dry, can be crushed, pulverized, or reduced to dust using hand pressure, and ***non-friable*** material is defined as a material, that when dry, *cannot* be crushed pulverized or reduced to dust using hand pressure. Materials normally defined as non-friable can become friable by definition if sufficiently damaged.

Once friability has been determined, the materials suspected of containing asbestos are divided into one of three categories: Thermal System Insulation (TSI), Surfacing Material (SM), or Miscellaneous Material (MM). Generally speaking, TSI and SM are considered to be friable, with the exception of TSI where the structural integrity of the insulation is intact and the protective out wrap is undamaged.

Once materials are divided into one of the categories, samples are collected in the following manner:

Friable Thermal System Insulation:

1. Inspector shall collect three (3) randomly distributed samples;

2. Inspector shall collect a minimum of one sample of each TSI materials that appears to have been used as a patch, as long as the patch is less than 6 linear feet or 6 square feet;

3. Inspector shall collect in a manner sufficient, samples from areas of TSI applied to fittings, tees, and joints.

Friable Surfacing Material:

1. Inspector shall collect samples in random manner of surfacing materials as follows:

    a. Collect three bulk samples from an area believed to be homogeneous (defined as a material that appears to be the same or similar and was installed at the same time) that is 1,000 square feet or less in size;

    b. Collect five bulk samples from an area believed to be homogeneous that is greater than 1,000 square feet in size, but less than 5,000 square feet in size;

    c. Collect seven bulk samples from an area believed to be homogeneous that is greater than 5,000 square feet.

2.0 SURVEY METHOD (continued)

Miscellaneous Materials:

1. Inspector shall collect samples in a manner and number sufficient to determine if the material is asbestos-containing or not.

All Materials Determined to Be Non-Friable:

1. Inspector shall collect samples in a manner and number sufficient to determine if the material is asbestos containing or not.

In addition to these sampling requirements, the AHERA Building Inspector is required to assess the following of each material that is found to be positive for asbestos:

1. The condition of each material;
2. Accessibility;
3. Possibility for air erosion.

Once the samples have been collected, they must be analyzed by an accredited laboratory, and they must be analyzed using polarized light microscopy methods, commonly referred to as EPA Method 600/R-93/116.

NVL Labs collected samples and obtained analytical data for suspect asbestos-containing materials identified in the building. Once collected, each bulk sample was sealed in an unadulterated plastic bag to eliminate the possibility of cross-contamination. “Chain-of-Custody” tracking was followed to maintain sample integrity during handling and data reporting at NVL Labs.

A walk-through inspection of all accessible areas of the structures was performed to identify potential asbestos-containing materials. The walk-through inspection included a review of the internal and external aspects of the structures. The locations and types of potential asbestos-containing materials were noted.

2.0 SURVEY METHOD (continued)

Homogeneous Materials

Homogeneous materials are defined as an area of asbestos-containing material or presumed asbestos-containing material which appears similar throughout in terms of color, texture, and date of material application. The report listing for homogenous materials will appear as follows:

Sample Number	Material Description by Layer	Location	Asbestos	Quantity	Friable
#	Layer 1 is not asbestos-containing **Layer 2 is asbestos-containing**	**Location description**	1. % **2. %**	**"X" LF/ft^2**	**Yes/No**

Lead Survey Method

NVL Labs collected representative samples of paint from the interior and exterior of the building within the project scope. Once collected, each bulk sample was sealed in an unadulterated plastic bag to eliminate the possibility of cross-contamination. "Chain-of-Custody" tracking was followed to maintain sample integrity during handling and data reporting at NVL Labs. Sampling was representative of all layers of paint. Copies of laboratory reports and field data forms for lead paint are in Appendix B.

TCLP Sampling Method

A representative composite sample of the proportionate components which make up the areas to be demolished was collected and analyzed according to ASTM Standard. E 1908-97, as suggested by the Washington State Department of Ecology. Waste Characterization Plan number three of this standard, "Composite Sample and Demolish", was used to access the lead (Pb) content of the total debris.

3.0 LABORATORY INFORMATION

Laboratory Analysis: Asbestos

In accordance with 40 CFR Chapter 1 (7-01-07 Edition) Part 763, Subpart E, Appendix E, asbestos samples are analyzed at NVL Labs using polarized light microscopy (PLM) with dispersion staining. If samples are not homogeneous, then sub-samples of the components are analyzed separately. All bulk samples are analyzed using EPA Method 600/R-93/116 with the following measurement uncertainties for reported % asbestos: 1%=0-3%, 5%≥1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%. Only materials containing more than 1% total asbestos were classified as “asbestos-containing” based on EPA, state, and local regulations.

Findings for samples containing more than one separable layer of materials are reported for each layer. The asbestos concentration in the sample is determined by visual estimation.

NVL Labs is accredited by the National Institute of Standards and Technology (NIST) under the National Volunteer Laboratory Accreditation Program (NVLAP) program for bulk asbestos fiber analysis; *NVLAP Lab Code 102063-0*

Laboratory Analysis: Lead (Pb)

Samples are analyzed for the presence of inorganic lead using atomic absorption spectroscopy (AAS) in accordance with method EPA 3051/7000B. This method reports results in milligrams per kilogram (mg/kg) or its equivalent, parts per million (ppm).

Laboratory Accreditation

Professional accreditations for NVL Laboratories, Inc. include the following:

NVL Laboratories, Inc. is currently accredited by the National Institute of Standards and Technology (NIST) under the National Volunteer Laboratory Accreditation Program (NVLAP) program for bulk asbestos fiber analysis.

NVLAP Lab Code 102063-0

NVL Laboratories, Inc. is approved by the American Industrial Hygiene Association (AIHA) Asbestos Analysts Registry (AAR) program for airborne asbestos fiber analysis.

AAR Counter ID 7412

NVL Laboratories, Inc. is currently accredited by the American Industrial Hygiene Association (AIHA) under the Industrial Hygiene Laboratory Accreditation Program (IHLAP). The IHLAP program is designed specifically for laboratories involved in analyzing samples to evaluate workplace exposure.

IHLAP Certification Number 563

NVL Laboratories is currently accredited by the American Industrial Hygiene Association (AIHA) under the Industrial Hygiene and Environmental Lead Program.

IHLAP Certification Number: 101861

4.0 BUILDING DESCRIPTION

Parcel Number	784920-0425
Year of Construction	1919
Building Square Footage	1,220 ft^2
County	King
General Building Type	The property consists of a single-family residence of wood-frame construction.
Primary External Components	The exterior of the residence is wood siding.
Foundation Type	The residence has an on-grade concrete foundation.
Roofing Material(s)	The residence has tri-tab shingle roofing.
Window Type(s)	The residence has wood windows with glazing.
Flooring	The residence has hardwood flooring.
Thermal Systems with Insulation	The residence features forced air heating with no visible suspect insulation.
Finishing	The residence is finished with drywall.

5.0 FINDINGS

Inventory of Suspect Asbestos-Containing Materials

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2024-0064-3-1	**1: Joint compound with paint** 2: Drywall	**Main floor – Room 4 – Wall joint**	**1: 2%** 2: ND	***See below**	
2024-0064-3-2	Drywall with paint	Floor 2 – Room 9 – Mid wall	ND		
2024-0064-3-3	Beige wallpaper with paint	Main floor – Room 5 – Closet walls	ND		
2024-0064-3-4	1: White plastic 2: Backing with mastic	Main floor – Room 6 – Tub surround	1: ND 2: ND		
2024-0064-3-5	1: Beige vinyl floor tile 2: Mastic with mesh 3: Canvas backing	Floor 2 – Room 11 – Counter	1: ND 2: ND 3: ND		
2024-0064-3-6	Window glazing	Exterior – Wood windows	ND		
2024-0064-3-7	Concrete block	Exterior – Foundation	ND		
2024-0064-3-8	1: Tri-tab shingle 2: Black mastic	Exterior – Doghouse roof	1: ND 2: ND		
2024-0064-3-9	1: Tri-tab shingle 2: Black mastic 3: Felt	Exterior – Roof	1: ND 2: ND 3: ND		

ND	None Detected
*	The friability of this material was determined at the time of this survey. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.
**	These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by asbestos abatement contractor prior to bid submittal.
***	As per WRD 23.30, this material is considered to be <1% asbestos containing when considered a part of the composite wall system, for demolition purposes only.

Any suspect material(s) not identified above should not be disturbed and should be tested immediately. The suspect material must be treated as asbestos-containing until testing proves otherwise.

5.0 FINDINGS (continued)

Inventory of Suspect Lead-Containing Paint Coatings

Sample Number	Material Description	Location	Lead in mg/kg	Lead in %
2024-0064-Pb-1	**Beige paint on drywall**	**Interior – Main floor – Walls/ ceilings**	**570**	**0.057**
2024-0064-Pb-2	**White paint on wood**	**Interior – Main floor – Windows, doors, trims**	**550**	**0.055**
2024-0064-Pb-3	**Yellow paint on drywall**	**Interior – Floor 2 – Walls/ ceilings**	**17000**	**1.7**
2024-0064-Pb-4	**Green paint on wood**	**Interior – Floor 2 – Steps/ trims**	**900**	**0.090**
2024-0064-Pb-5	**Beige paint on wood**	**Interior – Floor 2 – Window/ door components**	**1700**	**0.17**
2024-0064-Pb-6	**White paint on wood**	**Exterior – Siding**	**200000**	**20**
2024-0064-Pb-7	**White paint on wood**	**Exterior – Windows, doors, trims**	**190000**	**19**

Samples in bold contain lead in excess of detectable levels

Mercury

Zero (0) fluorescent light tubes, zero (0) HID lamps, and zero (0) mercury thermostats were visually identified on the property.

Poly Chlorinated Biphenyls (PCBs) Light Ballasts

Zero (0) light ballasts were visually identified on the property.

TCLP Sampling

Sample Number	Sample Location	Results in ppm
2024-0064-TCLP-1	**7702 Railroad Ave SE, Snoqualmie, WA 98065**	**18.0**

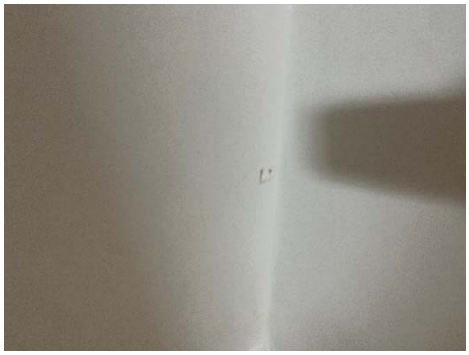
6.0 CONCLUSIONS AND RECOMMENDATIONS

Asbestos

No asbestos-containing building materials were identified during the Hazardous Materials Survey of the subject residence.

Materials Containing <1% Asbestos

1. **Joint compound with paint**
   Sample number: 2024-0064-3-1



There is an unknown quantity of asbestos-containing joint compound with paint associated with the interior drywall wall/ceiling system of the residence.

However, as per in WRD 23.30, this material is a part of the composite wall system and is considered to be less than 1% asbestos containing for demolition purposes only.

Regulatory Requirements for Materials Containing <1% Asbestos

- If less than 1% asbestos is found in asbestos containing building material (ACBM), the EPA and Local Clean Air Agencies (LCAAs) do not regulate it as “asbestos containing material.”
- Abatement of <1% asbestos is considered “non-classified” work by Washington State Department of Labor and Industries covered in WAC 296-62-07712 (2, 4, & 5), WAC 296-62-07722 (5), and WAC 296-62-07728.
- Competent Person (with no set training requirements, however the Competent Person must have appropriate knowledge and authority to take necessary action to ensure safe work place) to conduct an exposure assessment/negative exposure assessment (NEA), as per WAC 296-62-07709-3-b.
- Wet Methods (WAC 296-62-07712-2).
- HEPA Vacuum (WAC 296-62-07712-2).
- Prompt clean up and disposal (WAC 296-62-07712-2).
- Protective clothing and equipment is required if NEA is not performed (WAC 296-62-07717).
- Respiratory Protection (WAC 296-62-07715 and WAC 296-842).

Contractors should be aware that concealed suspect asbestos-containing building materials may be uncovered during demolition or renovation work. Contractors should have contingency plans that include stopping work, evacuation of the immediate area and sampling by a certified AHERA Building Inspector whenever these materials are found. Concealed suspect materials may include but are not limited to: non-fiberglass pipe or roof drain insulation; spray-applied coatings; cement board; asphalt or paper vapor barriers; floorings and adhesives.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

If discovered, all asbestos-containing materials that will be disturbed as a natural part of renovation and/or demolition are required to be removed and disposed of in accordance with Washington State regulations. Washington State Department of Labor and Industries and PSCAA requires that the Abatement be performed using Certified Asbestos Workers under the direct on-site supervision by a Certified Asbestos Supervisor. Further, NVL suggests that an AHERA inspector review this property after abatement to ensure all asbestos-containing materials have been removed by the contractor.

NVL recommends that an AHERA inspector/project manager be on site at the time of demolition to ensure that any potentially asbestos-containing materials uncovered during the process of renovation/demolition be dealt with properly.

NVL Labs, Inc. is making the following recommendations regarding asbestos:

1. A copy of this inspection report should be maintained at the project site during the duration of renovation / demolition.
2. A copy of this inspection report should be provided to the General Contractor and any Sub Contractors working on the renovation / demolition project.
3. The inspection report is not intended to serve as a design / bidding document, or scope of work prior to renovation / demolition.
4. Abatement specifications should be prepared by a Hazardous Materials Consulting firm covering the regulated building materials that will be impacted by the renovations / demolition, and these specifications should be part of any contract documents prepared for this project.
5. A licensed asbestos abatement contractor must be utilized to remove any asbestos-containing materials that will be impacted by the planned renovation / demolition.
6. A Hazardous Materials Consulting Firm should provide project oversight and air monitoring during the removal of the asbestos-containing materials.

Lead

Lead-containing paint **was** identified in the following paint samples collected. Worker protection protocols are applicable.

1. Beige paint: Interior main floor drywall walls and ceilings.
2. White paint: Interior main floor wood windows, doors, and trims.
3. Yellow paint: Interior floor 2 drywall walls and ceilings.
4. Green paint: Interior floor 2 wood steps and trims.
5. Beige paint: Interior floor 2 wood window and door components.
6. White paint: Exterior wood siding.
7. White paint: Exterior wood windows, doors, and trims.

The Federal Occupational Safety & Health Administration's (OSHA) interim lead safety standard (29 CFR 1926.59) for the construction industry became effective on June 3, 1993. Lead exposure in construction is regulated in Washington State by WAC 296-155-176. These regulations protect workers disturbing building surfaces with lead containing paints. Paint with "any detectable level" of lead is classified as a lead containing paint by federal and state regulations and the applicable worker safety provisions must be implemented.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

WORKER EXPOSURE

WAC 296-155-176, Lead (Pb), applies to all construction work where an employee may be occupationally exposed to Lead (Pb). Construction work includes activities such as demolition or salvage, removal or encapsulation, and renovation of materials that contain Lead (Pb). When an employee may be occupational exposed to Lead (Pb), the employer must perform an exposure assessment according to WAC 296-155-176.

The exposure assessment consists of personal air monitoring to determine representative Lead (Pb) exposure levels for the work being performed. During the exposure assessment, the employer must provide the following:

- As a minimum, a half mask air purifying respirators equipped with high efficiency particulate air (HEPA) filters in accordance with WAC 296-155-17613.
- Appropriate personal protective clothing / equipment in accordance with WAC 296-155-17615.
- A designated change area which allows for separate storage areas for work and street clothing to prevent cross contamination in accordance with WAC 296-155-17619(2).
- Hand washing facilities to wash their hands and faces WAC 296-155-17619(5).
- Biological monitoring in the form of blood survey and analysis for Lead (Pb) and zinc protoporphyrin levels in accordance with WAC 296-155-17621 (1) (a).
- Training to include hazard communication, safety, and the limitations, proper use, and maintenance of respirators in accordance with WAC 296-155-100.

In addition to the protective equipment and hygiene requirements, the employer must attempt to reduce the levels of airborne Lead (Pb) through engineering controls such as ventilation and wet methods.

Mercury

Zero (0) florescent light tubes, zero (0) HID lamps, and zero (0) mercury thermostats were identified and assumed to contain Mercury (Hg).

Fluorescent light tubes, HID lamps, and thermostats contain mercury (Hg) are classified as universal waste by the EPA and Ecology. The Universal Waste Rule for Dangerous Waste Lamps (WAC 173-303-573) included the following requirements:

- Immediately place lamps showing evidence of leakage/damage, etc. in a container following removal;
- Containerize in closed, structurally sound, compatible containers;
- Cardboard containers may be used for inside storage only;
- Labeling container required: “Waste Lamps,” or “Universal Waste Lamps;”

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

- Track the length of time since waste lamp generation. Acceptable methods of proof include: date on label, inventory system, etc.
- Respond immediately to potential releases. If determined to be a release, contain and determine if it designates as a dangerous waste. If so, manage the release as specified in WAC 173-303;
- Disposal of universal waste as general or construction debris is not permitted;
- The crushing of fluorescent light tubes on-site is not allowed. In addition, measures should be taken to prevent breakage of fluorescent light tubes while the light tubes are in transit to their destination.
- Provide training to employees on proper handling & emergency procedures of universal waste lamps;
- Track shipments of universal waste lamps with records (invoice, manifest, etc.) kept for a minimum of 3 years.

Poly Chlorinated Biphenyls (PCBs) Light Ballasts

Zero (0) light ballasts were identified and assumed to contain Poly Chlorinated Biphenyls (PCBs), during the visual inspection.

The Washington statutes definition of a PCB-containing material require that any material with more than 2 parts per million (ppm) to be treated as PCB-containing material. Federal regulations dictated that any material with less than 50 ppm PCBs could be labeled as a non-PCB containing material. Because of this regulatory change, NVL recommends that all light ballasts be observed, removed, handled, and disposed of in an appropriate manner. The ballasts labeled with “PCB Free” and “Non-PCB” shall be packaged for recycle by an approved recycling facility.

TCLP

The TCLP sample result for the residence was **above** the threshold of 5.0 ppm. Thus, the solid waste stream of the demolition debris from the subject property is hazardous demolition debris for disposal.

A solid waste exhibits the characteristic of toxicity if, using the *Toxicity Characteristic Leaching Procedure* (TCLP) testing method, as incorporated in WAC 173-303-090, the extract from a representative sample of the waste contains lead (Pb) contaminants equal to or greater than 5.0 ppm. A material "fails" the TCLP when there is 5.0 parts per million or greater of lead (Pb) in the leachate.

7.0 LIMITATIONS OF SURVEY

The purpose of this Hazardous Materials Survey report is to document asbestos containing building materials, lead paint coatings, and mercury / PCB containing devices discovered at 7702 Railroad Ave SE, Snoqualmie, WA 98065.

The purpose of this survey was to identify suspect asbestos containing building materials, lead paint coatings, and Mercury (Hg) / PCB containing devices which would be impacted by the planned demolition of the residence.

Destructive sampling methods were utilized to collect samples of suspect building materials. No soft/limited demolition was performed during this inspection. Hidden materials may exist within the structures, and all suspect materials must be treated as hazardous until testing proves otherwise.

As hazardous material surveys are non-comprehensive by nature, NVL Laboratories, Inc. cannot be held liable for materials which require destructive means to access, materials which are hidden from sight (e.g. materials hidden behind walls), materials which cannot be found due to their obscure nature, or which otherwise cannot be discovered with reasonable diligence.

This document is the sole property of NVL Laboratories and the property owner, or his agent, authorizing this survey.

Inspected By

Cameron Patterson
AHERA Building Inspector
AHERA Certification: #192135
Expiration Date: December 27, 2024

Reviewed By

Syed Hasan
Manager Field Services
AHERA Certification: # 189929
Expiration Date: June 22, 2024

NVL
LABS

Appendix A

Sample Locations (Floor Plan)

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

NVL Project # **2024-0064**

Client City of Snoqualmie - Dylan Gamble

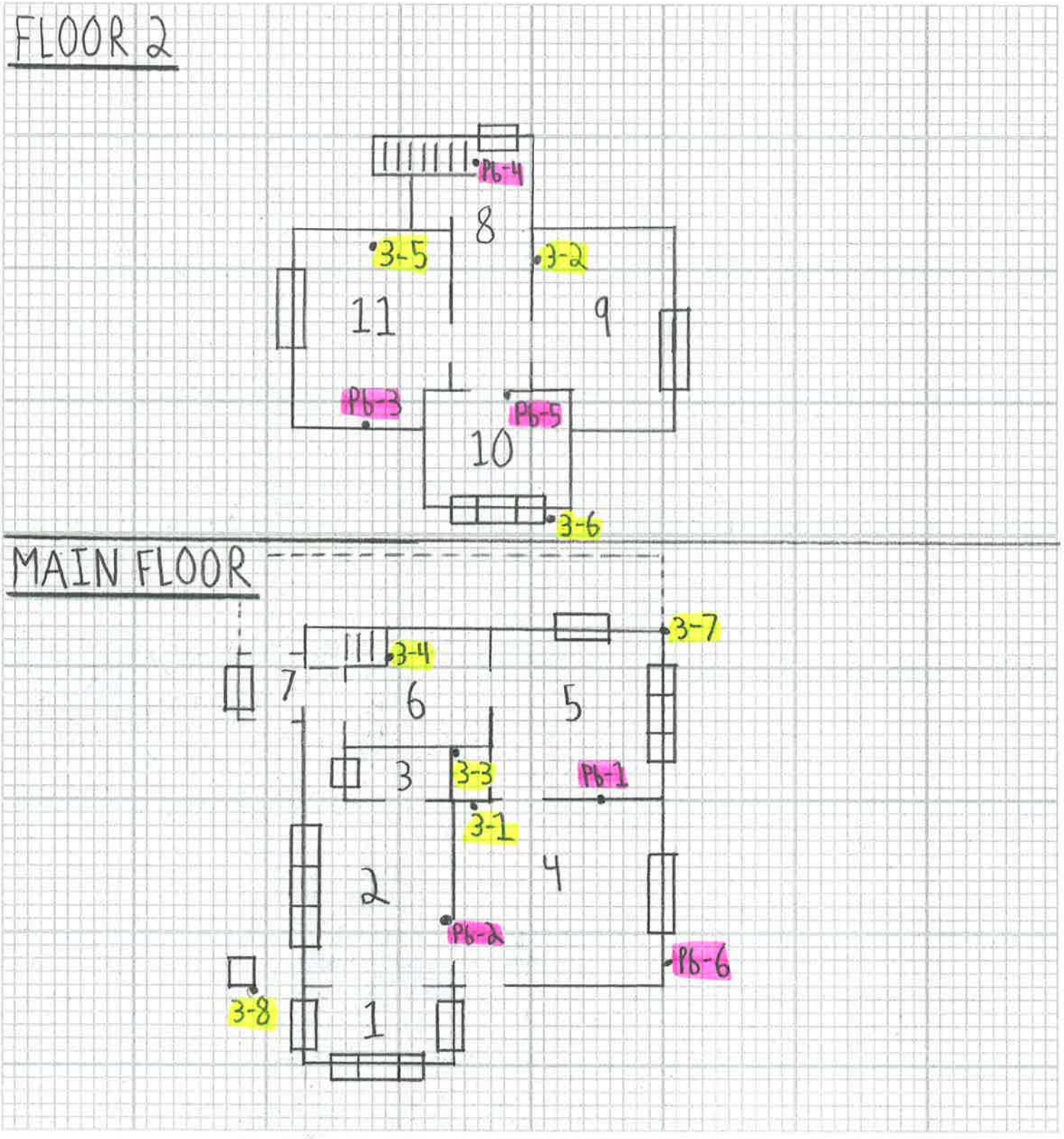
Location 7702 Railroad Ave SE

City Snoqualmie

Page 1 of 1

Date 2/16/2024

Made by Cameron Patterson



Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

NVL
LABS

Appendix B

Laboratory Analysis Results

February 20, 2024

INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Cameron Patterson
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2402926.00

Client Project: 2024-0064
Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Dear Mr. Patterson,

Enclosed please find test results for the 9 sample(s) submitted to our laboratory for analysis on 2/16/2024.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with **U. S. EPA 40 CFR Appendix E to Subpart E of Part 763**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116**, Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

NVLAP
Testing
Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Cameron Patterson
Project Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Batch #: 2402926.00
Client Project #: 2024-0064
Date Received: 2/16/2024
Samples Received: 9
Samples Analyzed: 9
Method: EPA/600/R-93/116

Lab ID: 24017245 **Client Sample #: 2024-0064-3-1**

Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Comments: Composite result (per client request) for whole sample is less than 1% asbestos.

Layer 1 of 2 **Description:** Beige compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Calcareous binder, Paint, Fine particles	Cellulose 2%	**Chrysotile 2%**

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Fine particles	Cellulose 14%	**None Detected ND**

Lab ID: 24017246 **Client Sample #: 2024-0064-3-2**

Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Layer 1 of 1 **Description:** White chalky material with paper and paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Paint, Fine particles	Cellulose 15%	**None Detected ND**

Lab ID: 24017247 **Client Sample #: 2024-0064-3-3**

Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Layer 1 of 1 **Description:** Tan compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Paint	Cellulose 93%	**None Detected ND**

Lab ID: 24017248 **Client Sample #: 2024-0064-3-4**

Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Layer 1 of 2 **Description:** White hard plastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Plastic, Fine particles	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Alex Shea **Date:** 02/19/2024
Reviewed by: Kunga Woser **Date:** 02/20/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Cameron Patterson
Project Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Batch #: 2402926.00
Client Project #: 2024-0064
Date Received: 2/16/2024
Samples Received: 9
Samples Analyzed: 9
Method: EPA/600/R-93/116

Layer 2 of 2	**Description:** White soft mastic with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic, Fine particles	Cellulose 17%		**None Detected ND**

Lab ID: 24017249 **Client Sample #: 2024-0064-3-5**
Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Layer 1 of 3	**Description:** Beige vinyl material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Fine particles	Cellulose 4%		**None Detected ND**
Layer 2 of 3	**Description:** Tan brittle mastic with fibrous mesh			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic, Fine particles	Cellulose 41%		**None Detected ND**
Layer 3 of 3	**Description:** Tan fibrous backing			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler	Cellulose 94%		**None Detected ND**

Lab ID: 24017250 **Client Sample #: 2024-0064-3-6**
Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Layer 1 of 1	**Description:** White brittle material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected ND		**None Detected ND**

Lab ID: 24017251 **Client Sample #: 2024-0064-3-7**
Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Layer 1 of 1	**Description:** Gray cementitious material with granules and paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Cement/Binder, Granules, Paint	Cellulose <1%		**None Detected ND**
	Fine grains			

Sampled by: Client
Analyzed by: Alex Shea **Date:** 02/19/2024
Reviewed by: Kunga Woser **Date:** 02/20/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Cameron Patterson
Project Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Batch #: 2402926.00
Client Project #: 2024-0064
Date Received: 2/16/2024
Samples Received: 9
Samples Analyzed: 9
Method: EPA/600/R-93/116

Lab ID: 24017252 **Client Sample #: 2024-0064-3-8**

Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Layer 1 of 2	**Description:** Black asphaltic fibrous material with granules and organic debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	14%	**None Detected ND**
	Organic debris	Cellulose	3%	
Layer 2 of 2	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles	Cellulose	3%	**None Detected ND**

Lab ID: 24017253 **Client Sample #: 2024-0064-3-9**

Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Layer 1 of 3	**Description:** Black asphaltic fibrous material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	16%	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles	Cellulose	2%	**None Detected ND**
Layer 3 of 3	**Description:** Black asphaltic fibrous felt			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles	Cellulose	48%	**None Detected ND**

Sampled by: Client
Analyzed by: Alex Shea **Date:** 02/19/2024
Reviewed by: Kunga Woser **Date:** 02/20/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES

Company NVL Field Services Division
Address 4708 Aurora Ave. N.
Seattle, WA 98103
Project Manager Mr. Cameron Patterson
Phone (206) 547-0100

NVL Batch Number **2402926.00**
TAT 3 Days **AH** No
Rush TAT
Due Date 2/21/2024 **Time** 3:00 PM
Email cameron.p@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2024-0064 **Project Location:** 7702 Railroad Ave SE Snoqualmie, WA 98065

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 9 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24017245	2024-0064-3-1	Composite	A
2	24017246	2024-0064-3-2		A
3	24017247	2024-0064-3-3		A
4	24017248	2024-0064-3-4		A
5	24017249	2024-0064-3-5		A
6	24017250	2024-0064-3-6		A
7	24017251	2024-0064-3-7		A
8	24017252	2024-0064-3-8		A
9	24017253	2024-0064-3-9		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	2/16/24	1500
Analyzed by	Alex Shea		NVL	2/19/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/16/2024
Time: 3:42 PM
Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

2402926

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
Seattle, WA 98103
Project Manager Syed Hasan
Project Location 7702 Railroad Ave SE
Snoqualmie, WA 98065
Phone: (425) 681-4110 **Fax:**

NVL Batch Number
Client Job Number 2024-0064
Total Samples 9
Turn Around Time ☐ 1 Hr ☐ 6 Hrs ☒ 3 Days ☐ 10 Days ☐ 2 Hrs ☐ 1 Day ☐ 4 Days ☐ 4 Hrs ☐ 2 Days ☐ 5 Days
Please call for TAT less than 24 Hrs
Email address dgamble@snoqualmiewa.gov

☐ **Asbestos Air**	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other
☒ **Asbestos Bulk**	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK	
☐ **Mold/Fungus**	☐ Mold Air	☐ Mold Bulk	☐ **Rotometer Calibration**		

METALS	**Det. Limit**	**Matrix**		**RCRA Metals**		**Other Metals**
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8 / ☐ Chromium (Cr	☐ **All 3**
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Lead (Pb)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☐ Mercury (Hg)	☐ Nickel (Ni) / ☐ Zinc (Zn)

☐ **Other Types of Analysis** ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) _____ ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2024-0064-3-1	COMPOSITE	
2		3-2		
3		3-3		
4		3-4		
5		3-5		
6		3-6		
7		3-7		
8		3-8		
9		3-9		
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	CAMERON P	CPA	NVL	2/16/24	9:30
Relinquished by	CAMERON P	CPA	NVL	2/16/24	
Received by	Fatimatou		NVL	2/16/24	3pm
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to

February 20, 2024

Cameron Patterson
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

NVL Batch # 2402924.00

RE: Total Metal Analysis
Method: EPA 7000B Lead by FAA <paint>
Item Code: FAA-02

Client Project: 2024-0064
Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Dear Mr. Patterson,

NVL Labs received 7 sample(s) for the said project on 2/16/2024. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Shalini Patel, Manager Metals Lab

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: **Mr. Cameron Patterson**
Project Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Batch #: 2402924.00
Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 2024-0064
Date Received: 2/16/2024
Samples Received: 7
Samples Analyzed: 7

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
24017235	2024-0064-Pb-1	0.1941	52	570	0.057
24017236	2024-0064-Pb-2	0.1978	51	550	0.055
24017237	2024-0064-Pb-3	0.1846	54	17000	1.7
24017238	2024-0064-Pb-4	0.2019	50	900	0.090
24017239	2024-0064-Pb-5	0.2093	48	1700	0.17
24017240	2024-0064-Pb-6	0.2036	49	200000	20
24017241	2024-0064-Pb-7	0.1999	50	190000	19

Sampled by: Client
Analyzed by: Yasuyuki Hida
Reviewed by: Shalini Patel

Date Analyzed: 02/20/2024
Date Issued: 02/20/2024

Shalini Patel, Manager Metals Lab

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2024-0220-01
FAA-02

LEAD LABORATORY SERVICES

Company	NVL Field Services Division	**NVL Batch Number**	**2402924.00**
Address	4708 Aurora Ave. N. Seattle, WA 98103	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Mr. Cameron Patterson	**Due Date** 2/21/2024 **Time** 3:00 PM	
Phone	(206) 547-0100	**Email** cameron.p@nvllabs.com	
		Fax (206) 634-1936	

Project Name/Number: 2024-0064 **Project Location:** 7702 Railroad Ave SE Snoqualmie, WA 98065

Subcategory Flame AA (FAA)

Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 7 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24017235	2024-0064-Pb-1		A
2	24017236	2024-0064-Pb-2		A
3	24017237	2024-0064-Pb-3		A
4	24017238	2024-0064-Pb-4		A
5	24017239	2024-0064-Pb-5		A
6	24017240	2024-0064-Pb-6		A
7	24017241	2024-0064-Pb-7		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	2/16/24	1500
Analyzed by	Yasuyuki Hida		NVL	2/20/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/16/2024
Time: 3:39 PM
Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

2402924

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
Seattle, WA 98103
Project Manager Syed Hasan
Project Location 7702 Railroad Ave SE
Snoqualmie, WA 98065
Phone: (425) 681-4110 **Fax:**

NVL Batch Number
Client Job Number 2024-0064
Total Samples 7
Turn Around Time ☐ 1 Hr ☐ 6 Hrs ☒ 3 Days ☐ 10 Days ☐ 2 Hrs ☐ 1 Day ☐ 4 Days ☐ 4 Hrs ☐ 2 Days ☐ 5 Days
Please call for TAT less than 24 Hrs
Email address dgamble@snoqualmiewa.gov

☐ **Asbestos Air**	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other
☐ **Asbestos Bulk**	☐ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK	
☐ **Mold/Fungus**	☐ Mold Air	☐ Mold Bulk	☐ **Rotometer Calibration**		

METALS	**Det. Limit**	**Matrix**		**RCRA Metals**		**Other Metals**
☒ Total Metals	☒ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ **All 3**
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☒ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☒ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ **Other Types of Analysis** ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) _____
☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2024-0064-Pb-1		
2		Pb-2		
3		Pb-3		
4		Pb-4		
5		Pb-5		
6		Pb-6		
7		Pb-7		
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	CAMERON P		NVL	2/16/24	9:30
Relinquished by	CAMERON P		NVL	2/16/24	
Received by	Srinathan		NVL	2/16/24	3pm
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to

February 20, 2024

Cameron Patterson
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

NVL Batch # 2402922.00

RE: Total Metal Analysis
Method: EPA 1311/7000B Lead by FAA <TCLP>
Item Code: TCLP-1

Client Project: 2024-0064
Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Dear Mr. Patterson,

NVL Labs received 1 sample(s) for the said project on 2/16/2024. Preparation of these samples was conducted following protocol outlined in EPA 1311/7000B, unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 1311/7000B Lead by FAA <TCLP>. The results are usually expressed in mg/L and ppm. Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

Shalini Patel, Manager Metals Lab

Enc.: Sample results

LAB # 101861

Analysis Report

Toxicity Characteristic Leaching Procedure - Lead (Pb)

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: **Mr. Cameron Patterson**
Project Location: 7702 Railroad Ave SE Snoqualmie, WA 98065

Batch #: 2402922.00
Matrix: Bulk
Method: EPA 1311/7000B
Client Project #: 2024-0064
Date Received: 2/16/2024
Samples Received: 1
Samples Analyzed: 1

Lab ID	Client Sample #	RL mg/ L	Results in mg/L	Results in ppm
24017231	2024-0064-TCLP-1	0.5	18.0	18.0

Sampled by: Client
Analyzed by: Yasuyuki Hida
Reviewed by: Shalini Patel

Date Analyzed: 02/20/2024
Date Issued: 02/20/2024

Shalini Patel, Manager Metals Lab

mg/ L =Milligrams per liter
ppm = parts per million

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2024-0219-05

LEAD LABORATORY SERVICES

Company	NVL Field Services Division	**NVL Batch Number**	**2402922.00**
Address	4708 Aurora Ave. N. Seattle, WA 98103	**TAT** 3 Days **AH** No **Rush TAT**	
Project Manager	Mr. Cameron Patterson	**Due Date** 2/21/2024 **Time** 3:00 PM	
Phone	(206) 547-0100	**Email** cameron.p@nvllabs.com	
		Fax (206) 634-1936	

Project Name/Number: 2024-0064 **Project Location:** 7702 Railroad Ave SE Snoqualmie, WA 98065

Subcategory Flame AA (FAA)

Item Code TCLP-1 EPA 1311/7000B Lead by FAA <TCLP>

Total Number of Samples 1 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24017231	2024-0064-TCLP-1		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	2/16/24	1500
Analyzed by	Yasuyuki Hida		NVL	2/20/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/16/2024
Time: 3:36 PM
Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

2402922

NVL SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client: NVL Laboratories Inc
Street: 4708 Aurora Ave N
Seattle, WA 98103
Project Manager: Syed Hasan
Project Location: 7702 Railroad Ave SE
Snoqualmie, WA 98065
Phone: (425) 681-4110 Fax:

NVL Batch Number
Client Job Number: 2024-0064
Total Samples: 1

Turn Around Time: ☐ 1 Hr ☐ 6 Hrs ☒ 3 Days ☐ 10 Days ☐ 2 Hrs ☐ 1 Day ☐ 4 Days ☐ 4 Hrs ☐ 2 Days ☐ 5 Days
Please call for TAT less than 24 Hrs

Email address: dgamble@snoqualmiewa.gov

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other
☐ Asbestos Bulk	☐ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK	
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration		

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☒ FAA (ppm)	☐ Air Filter	☐ Soil	☐ Arsenic (As)	☐ All 8	☐ All 3
☒ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in %	☐ Barium (Ba)	☐ Chromium (Cr	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Paint Chips in cm	☐ Cadmium (Cd)	☒ Lead (Pb)	☐ Nickel (Ni)
					☐ Mercury (Hg)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) _____
☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2024-0064-TCLP-1		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	CAMERON P		NVL	2/16/24	9:30
Relinquished by	CAMERON P		NVL	2/16/24	
Received by				2/16/24	3pm
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Results report to

Bulk Sample
Field Data Sheet

2402922

LABORATORY • MANAGEMENT • TRAINING

Client City of Snoqualmie - Dylan Gamble
Service Asbestos/Lead Renovation/Demo Inspection
Project Manager Syed Hasan
Project Location 7702 Railroad Ave SE
Snoqualmie, WA 98065

NVL Batch Number
Client Job Number 2024-0064
Total Samples

Sampled By	Date	Time	Results Needed By
CAMERON	2/16/24	9:30	

Line #	Sample #	Homogeneous Material Description	Sample Location Floor # Room # / Other	%	Quantity (ft² / LF)	Friable Cond
1	2024-0064-TCLP-1	DRYWALL	30%			
2		WOOD	30%			
3		PAINTED WOOD	20%			
4		CONCRETE	10%			
5		METAL	5%			
6		MISC	5%			
7						
8						
9						
10						
11						
12						
13						
14						
15						

Page ___of___

form#: 7010.1

NVL
LABS

Appendix C

AHERA Certifications & Laboratory Qualifications

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102063-0

NVL Laboratories, Inc.

Seattle, 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).

2022-10-01 through 2023-09-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NVL Laboratories, Inc.
4708 Aurora Avenue N.
Seattle, WA 98103
Mr. Nghiep Vi Ly
Phone: 206-547-0100 Fax: 206-634-1936
Email: nick.l@nvllabs.com
http://www.nvllabs.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102063-0**

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

For the National Voluntary Laboratory Accreditation Program

Effective 2022-10-01 through 2023-09-30

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103-6516

Laboratory ID: LAP-101861

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

☑	**INDUSTRIAL HYGIENE**	Accreditation Expires: July 01, 2025
☑	**ENVIRONMENTAL LEAD**	Accreditation Expires: July 01, 2025
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: July 01, 2025
☐	**FOOD**	Accreditation Expires:
☑	**UNIQUE SCOPES**	Accreditation Expires: July 01, 2025
☐	**BERYLLIUM FIELD/MOBILE**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O. Morton

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision21: 05/15/2023

Date Issued: 07/01/2023

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103-6516

Laboratory ID: LAP-101861
Issue Date: 07/01/2023

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Unique Scopes Laboratory Accreditation Programs (Unique Scopes)

Initial Accreditation Date: 04/01/2013

Unique Scopes Scope Category	Field of Testing (FOT)	Component, parameter or characteristic tested	Method	Method Description *(for internal methods only)*
Consumer Product Testing	Lead in Paint and Other Similar Surface Coatings	Paint	CPSC-CH-E1003-09	-
	Lead in metal	Solid	CPSC-CH-E1001-08	-
	Lead in non-metal	Solid	CPSC-CH-E1002-08	-

A complete listing of currently accredited Unique Scopes laboratories is available on the AIHA LAP, LLC website at: *http://www.aihaaccreditedlabs.org*

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103-6516

Laboratory ID: LAP-101861
Issue Date: 07/01/2023

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 02/07/1997

Component, parameter or characteristic tested	Technology sub-type/Detector	Method	Method Description *(for internal methods only)*
Airborne Dust	AA	EPA SW-846 3051	N/A
		EPA SW-846 7000B	N/A
Paint	AA	EPA SW-846 3051	N/A
		EPA SW-846 7000B	N/A
Settled Dust by Wipe	AA	EPA SW-846 3051	N/A
		EPA SW-846 7000B	N/A
Soil	AA	EPA SW-846 3051	N/A
		EPA SW-846 7000B	N/A

A complete listing of currently accredited ELLAP laboratories is available on the AIHA LAP, LLC website at:
http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103-6516

Laboratory ID: LAP-101861
Issue Date: 07/01/2023

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 02/01/1997

EMLAP Scope Category	Field of Testing (FOT)	Component, parameter or characteristic tested	Method	Method Description *(for internal methods only)*
Fungal	Air - Direct Examination	Air	SOP 12.133	In House: Analysis of Spore Trap
Fungal	Bulk - Direct Examination	Bulk	SOP 12.133	In House: Analysis of Spore Trap

A complete listing of currently accredited EMLAP laboratories is available on the AIHA LAP, LLC website at: *http://www.aihaaccreditedlabs.org*

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103-6516

Laboratory ID: LAP-101861
Issue Date: 07/01/2023

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 04/01/1997

IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter or characteristic tested
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)	-	NIOSH 7400	Asbestos/Fibers
Miscellaneous Core	Gravimetric	-	NIOSH 0500	Total Dust
Miscellaneous Core	Gravimetric	-	NIOSH 0600	Respirable Dust
Spectrometry Core	Atomic Absorption	FAA	NIOSH 7082	Lead
Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300	RCRA Metals
Spectrometry Core	X-ray Diffraction (XRD)	-	NIOSH 7500	Silica

A complete listing of currently accredited IHLAP laboratories is available on the AIHA LAP, LLC website at: *http://www.aihaaccreditedlabs.org*

Certificate of Completion

This is to certify that

Cameron Patterson

has satisfactorily completed
4 hours of online refresher training as an

AHERA Building Inspector

to comply with the training requirements of

TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

192135
Certificate Number

Instructor: Tracy Bockla

Dec 27, 2023 Expires in 1 year.
Date(s) of Training

Exam Score: N/A
(if applicable)

Terracon
Explore with us

- Facilities
- Environmental
- Geotechnical
- Materials

STATE OF WASHINGTON

Department of Commerce

Lead-Based Paint Activities Program

Cameron Cole Patterson

Has fulfilled the certification requirements of WAC 365-230 and has been certified to conduct lead based paint activities as a ***Inspector***.

Certification #	Issuance Date	Expiration Date
24-0007	01/05/2024	01/05/2027

PROJECT: Snoqualmie House Demo

Location: 7702 Railroad Ave SE
Snoqualmie, WA 98065

Date: 5/17/2023

Proposed Schedule:

- Project to be completed by: ASAP
- NTP: TBD
- Construction: TBD working days.

General information:

- Controlling Documents
  - This Scope of work
  - LVT Hazardous Material Survey, Report Date Feb, 22nd 2024

- Site Walk Further Clarifying Scope on Date: 2/16/2023
- Attendees:
  - Jim Willard, Net Compliance
  - Mike Estes, Ascendent Demolition
  - Dickson Larson, Dickson Company
  - Mike Walny, FORMA
  - Brian Kazem, FORMA
  - Patrick Fry, City of Snoqualmie

Description:
Abate and demolish residential house and surrounding man-made items in Snoqualmie.

Work Plan

- Abatement
  - Provide abatement services for all LEAD and asbestos containing materials per the NVL survey Final Report dated 2/16/24.
  - ~~Provide soil contamination testing for native soils around house and demo/site area. Once testing has identified the amount of contaminated soil (if any) to be removed~~, removal costs will be addressed as a change order, if necessary.
  - Abatement to be completed with proper equipment and PPE as well as industry standards and guidelines for safe and effective abatement of ALL hazardous materials.
  - All materials are to be disposed of at the appropriate facilities.
  - Contaminated Soils are expected. Soils to be removed once identified (this will be a change condition due to the fact of unknown quantities).

- Demolition – Subcontractor to provide all equipment, labor and materials to perform Demo done in accordance too drawings and owner scope provided.
  - Provide locates prior to demo.
  - Provide and erect Temporary Sedimentation and Erosion Control BMPs prior to the start of work, as needed. Maintain TESC throughout the project and remove at project completion.

- Traffic Control, i.e. flagger or spotter will be the responsibility of the subcontractor as needed entering and leaving the property onto the road.
- Provide clearing and grubbing as needed to access the site or any location where demo is needed.
  - NOTE: Leave all native vegetation unless needed for demo access.
- Furnish, Install and remove tuck entry way (rip rap / quarry spalls) and wheel wash station if needed.
- Provide all Labor, Equipment and Materials needed to demolish and remove:
  - Home and foundation(s) included ALL added man-made structures.
  - ALL OTHER MAN-MADE STRUCTURES / ITEMS/ and rubbish around site including in water behind to be removed. Water rubbish to be removed to a certain "feasible" point. No Fishing needed.
  - NOTE: Shed and doghouse to be removed.
  - Wood retaining structure to be removed and disposed of at proper facility (creosote).
  - Utilities to be turned off by owner. Cut and cap water line at street and sewer line under house.
  - NOTE: Gas and meter need to be addressed and shut off by PSE / Owner prior to construction.
- Budget street sweeper at the end of the project. Keep road and sidewalk manually swept/clean daily.

- Submittals:
  1. Tickets / documentation of all waste removed from site
  2. Gravel Shorring material product data
  3. Silt Fence / Straw Waddles

- Exclusions:
  - Permits, unless otherwise noted above
  - Formal Traffic Control Plan
  - Tree Removal. If needed will be addressed.

- Assumptions:
  - Forma Construction to provide "Temporary Portable Toilet" for Contractor
  - The subcontractor is responsible for site security and the security of their tools and equipment.
  - The subcontractor is responsible for wheel washing of trucks prior to entering road. Also, for road cleaning daily as needed and at end of project.
  - All materials are to be recycled when possible. Import / Export tickets and quantity summary will be required prior to final payment.

- Hazardous materials remediation:
  - High Levels of Lead found on all exterior paint.
  - See Hazardous Material Survey Provided by King County
  - All proper means and methods to remove and dispose of properly is needed.

- Hours of operation
  - 7am-5pm Monday – Friday (Residential Noise Ordinance to be followed if necessary)

- Safety:
  - The subcontractor shall follow all safety practices and protocol.
  - Site Specific Safety Plan and JHA (job hazard analysis) will be required.

FORMA CONSTRUCTION COMPANY
1016 1ST AVE SOUTH # 400 SEATTLE WA 98134 206.626.0256

Price Proposal Detail Package Report
Version: 2.0
Approved 05/28/2024 06:10:22 PM EST

City of Snoqualmie

38624 SE River Street, P.O. Box 987 Snoqualmie, Washington 98065

Date:	May 28, 2024
JOC Name (Contractor):	FORMA Construction Company (Olympia)
Contract Name:	2023 - FORMA Construction Company - Base
Contract Number:	23-051
Job Order Number:	2024-01F
Job Order Title:	Home Demo
Location:	Home Demo
Cost Proposal Date:	May 28, 2024
Proposal Value:	$115,892.33

Division		Division Totals
01	General Requirements	$41,719.48
02	Existing Conditions	$68,723.24
31	Earthwork	$5,449.61
	Proposal Total:	**$115,892.33**
	The Percentage of Non Pre-Priced on this Proposal:	**0.0%**

By signing the Contractor acknowledges that this Job Order is issued under the provisions of the Contract established in response to Contract #23-051 by City of Snoqualmie. The services authorized are within the scope of services set forth in the Contract. All rights and obligations of the parties shall be subject to and governed by the terms and conditions, amendment(s) (if applicable), and the signed contract including any subsequent modifications, are hereby incorporated by reference as if fully set forth herein.

Washington State Sales Tax (9):	**$10,430.31**
Total Price of Construction Including WSST:	**$126,322.64**

Price Proposal Detail Package Report
Version: 2.0
Approved 05/28/2024 06:10:22 PM EST

City of Snoqualmie

38624 SE River Street, P.O. Box 987 Snoqualmie, Washington 98065

Date:	May 28, 2024
JOC Name (Contractor):	FORMA Construction Company (Olympia)
Contract Name:	2023 - FORMA Construction Company - Base
Contract Number:	23-051
Job Order Number	2024-01F
Job Order Title	Home Demo
Location:	Home Demo
Cost Proposal Date:	May 28, 2024
Proposal Value:	$115,892.33

Record #	CSI Number	MOD	UOM	Description	Unit Price		Factor		Total
01 - General Requirements									**$41,719.48**
1	012220000002		HR	Asbestos Removal Worker					
Accepted				**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**= LineTotal**
		Installation	HR	8.00	x	$84.12	x	1.3500	= $908.50
									$908.50
	User Note: For contaminated rubbish and misc. trash removal								
2	015723000004		EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)					
Accepted				**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**= LineTotal**
		Installation	EA	4.00	x	$122.49	x	1.3500	= $661.45
									$661.45
	User Note: DRAIN PROTECTION AT ROAD								
3	017113000003		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed					
Accepted				**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**= LineTotal**
		Installation	EA	4.00	x	$1,496.40	x	1.3500	= $8,080.56
									$8,080.56
	User Note: Used for delivery and pick up of four pieces of equipment. Equipment - 4 various size Excavator. 1 for demoing/crunching, 1 for sorting material , 1 mini excavator to set TESC, and 1 for loading the trucks.								

4	017419000012		EA	10 CY Dumpster (1.5 Ton) "Construction Debris"							
	Accepted			**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**=**	**LineTotal**	
		Installation	EA	1.00	x	$629.99	x	1.3500	=	$850.49	
										$850.49	

User Note:

5	017419000038		CYM	Hauling On Paved Roads, First 15 Miles							
	Accepted			**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**=**	**LineTotal**	
		Installation	CYM	23,840.00	x	$0.97	x	1.3500	=	$31,218.48	
										$31,218.48	

User Note: Hauling debris to dump at 32 miles.
20,100 sf = 745 CY X 32 = 23840 CYM

02 - Existing Conditions **$68,723.24**

6	028319130087		SF	Demolish Concrete Block, Lead Contaminated Material							
	Accepted			**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**=**	**LineTotal**	
		Installation	SF	1,250.00	x	$4.40	x	1.3500	=	$7,425.00	
										$7,425.00	

User Note: Demo Lead CMU retaining walls

7	028319130096		SF	Demolish Concrete, Lead Contaminated Material							
	Accepted			**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**=**	**LineTotal**	
		Installation	SF	2,150.00	x	$11.29	x	1.3500	=	$32,769.23	
										$32,769.23	

User Note: Demo Concrete pad @ house, dog house, shed, stairs with Lead - 2.150 sf concrete pad - Abatement required

8	028319130101		EA	Demolish Doors, Lead Contaminated Material							
	Accepted			**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**=**	**LineTotal**	
		Installation	EA	10.00	x	$57.06	x	1.3500	=	$770.31	
										$770.31	

User Note: Demo Existing Doors exterior and interior doors- Abatement Required

9	028319130106		SF	Demolish Wood Floors, Lead Contaminated Material							
	Accepted			**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**=**	**LineTotal**	
		Installation	SF	4,800.00	x	$2.69	x	1.3500	=	$17,431.20	
										$17,431.20	

User Note: Demo level 1 and level 2 with Lead dog house and Shed - Abatement required

City of Snoqualmie

38624 SE River Street, P.O. Box 987 Snoqualmie, Washington 98065

10	028319130116		SF	Demolish Siding, Lead Contaminated Material							
	Accepted			**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**=**	**LineTotal**	
		Installation	SF	5,000.00	x	$1.53	x	1.3500	=	$10,327.50	
										$10,327.50	

User Note: Demo Exterior walls - Abatement required

31 - Earthwork										**$5,449.61**
11	312514260025		EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'						
	Accepted			**Quantity**	**x**	**Unit Price**	**x**	**Factor**	**=**	**LineTotal**
		Installation	EA	25.00	x	$161.47	x	1.3500	=	$5,449.61
										$5,449.61

User Note: Used for wattles around the building foot print after demolition. Perimeter of building is approximately 200 LF

Proposal Total:	**$115,892.33**
The Percentage of Non Pre-Priced on this Proposal:	**0.0%**

This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

City of Snoqualmie
38624 SE River Street, P.O. Box 987
Snoqualmie, Washington 98065

Job Order Subcontractor Certification Report

23-051 - 2023 - FORMA Construction Company - Base

		Duration								
		Preapproval Process		Construction Duration		Construction				
Job Order #	Project Title	Joint Scope	To NTP	Start Date	Days	End Date				
2024-01F										
				Subcontractor			Certification	Participation Amt	Participation %	Certified (C) or Self (S)
								$0.00	0.00%	Self Performed
Costs:	Work Order Total:	$115,892.33							Subcontractor Value:	$0.00
	Total SubContractor Value:	$0.00								
	SubContractor % of "Work" for this Job Order:	0.00%								

Certification Value Summary:

Certification	Value	%
	$0.00	0.00%

City of Snoqualmie
38624 SE River Street, P.O. Box 987,
Snoqualmie, Washington 98065

NTP Issued Date:

Notice to Proceed

Job Order Contracting

To: Brian Kazem
FORMA Construction Company (Olympia)
500 Columbia St NW Suite 201
Olympia, WA 98501
(360) 754-5788
briank@formacc.com

From:

Contract #:	23-051
Job Order #:	2024-01F
Job Order Title:	Home Demo
Location:	Home Demo 7702 Railroad Ave Snoqualmie, WA 98065

This is your notice that your proposal for the above referenced task order has been approved and you have been awarded the Job Order Contract for the above referenced project. You are authorized to proceed with the work outlined in the Detailed Scope of Work. In accordance with the provisions of the contract, you are hereby notified to commence work on the subject Job Order.

The Authorized Representative's signature below authorizes the contractor to begin procuring materials necessary to start construction.

Construction Complete Date:

The value of this Job Order is: $115,892.33

If you have any questions, please contact the undersigned.

Parks & Public Works Director **Date**

Parks & Public Works, Project Engineer **Date**

Printed: 05/28/2024 06:11:08 PM EST