Regulated Building Material Inspection Report

Silverdale Recycling and Garbage Facility

8843 NW Dickey Road
Silverdale, Washington

April 10, 2023
Terracon Project No.81227638

Prepared for:
Parametrix
Silverdale, Washington

21905 64th Ave West, Suite 100
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P (425) 771-3304

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April 10, 2023

Parametrix
8843 NW Dickey Road
Silverdale, Washington 98195

Attn: Mr. David Dinkuhn

RE: Regulated Building Material Inspection
Silverdale Recycling and Garbage Facility
8843 NW Dickey Road
Silverdale, Washington

Terracon Project No. 81227638

Dear Mr. Dinkuhn:

This report presents the results of the regulated building materials inspection conducted in support of the future renovation of three structures and the demolition of a guard shack associated with the Silverdale Recycling and Garbage Facility, located at 8843 NW Dickey Road in Silverdale, Washington. The scope of the services provided is described in Terracon Proposal Number P81227638 dated January 13, 2023.

We appreciate the opportunity to be of service to you on this project. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

For Jacob Lindberg
Industrial Hygienist

Scott Parker
Principal / Department Manager

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Executive Summary

Parametrix retained Terracon Consultants, Inc. (Terracon) to conduct a regulated building materials inspection of the Silverdale Recycling and Garbage Facility, located at 8843 NW Dickey Road in Silverdale, Washington. Terracon's representative, Mr. Daniel Sheppard, conducted the inspection on March 22, 2023.

Terracon inspected the buildings within the project area for the following regulated building materials:

- Asbestos-containing materials (ACM)
- Assumed asbestos-containing materials
- Lead-containing coatings (paints)
- Mercury-containing light tubes, switches, and thermostats
- Suspected high-intensity discharge (HID) lamps
- Suspected Polychlorinated biphenyls (PCB)-containing fluorescent light ballasts

Asbestos

Twenty-four bulk samples of suspect asbestos-containing materials were collected and analyzed using Polarized Light Microscopy (PLM). Three of the sampled materials were found to contain greater than one percent asbestos and are therefore considered ACM, one of the materials was assumed to be ACM, and none of the materials were found to contain less than one percent asbestos.

Lead

Ten paint chip samples were collected and analyzed for total lead content. Three of the paint chip samples were found to contain detectable concentrations of lead.

Other Regulated Materials

Mercury-containing fluorescent light tubes were identified in buildings within the project area. Observed light ballasts were electronic and therefore not suspected of containing PCBs.

Mercury-containing switches and thermostats were not observed in the project area.

High intensity discharge lamps were observed in the project area.

1.0 Introduction

Parametrix retained Terracon Consultants, Inc. (Terracon) to conduct a regulated building materials inspection of the Silverdale Recycling and Garbage Facility, located at 8843 NW Dickey Road in Silverdale, Washington. Terracon's representative, Mr. Daniel Sheppard, conducted the inspection on March 22, 2023.

Terracon inspected the buildings within the project area for the following regulated building materials:

- Asbestos-containing materials (ACM)
- Assumed asbestos-containing materials
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- Mercury-containing light tubes, switches, and thermostats
- Suspected high-intensity discharge (HID) lamps
- Suspected Polychlorinated biphenyls (PCB)-containing fluorescent light ballasts

2.0 Project Background

This report presents the results of our regulated building materials inspection conducted in support of the future renovation of three structures and the demolition of a guard shack associated with the Silverdale Recycling and Garbage Facility. The purpose of the inspection was to identify potential asbestos-containing material, lead-containing coatings, PCB-containing light ballasts, and mercury-containing components prior to impacting the buildings and for purposes of hazard communication and on-going management. The inspection included the interiors, exteriors, and roofs of three storage sheds and one guard shack (project area).

This inspection report will assist Parametrix with communicating the presence of regulated building materials, and the presence, location, and quantity of ACM to employees, vendors, and contractors working in the project area and to meet the requirements for an asbestos survey for the Puget Sound Clean Air Agency (PSCAA) and a good faith inspection as required by Washington State Department of Labor and Industries' Division of Occupational Safety and Health (DOSH) regulations prior to building renovations and demolitions. Regulations require that a complete copy of this report be kept in a conspicuous location on-site at all times during activities that may impact known and suspect ACM.

2.1 Sources of Information

During the course of the inspection, the following individuals and drawings provided assistance to the Terracon inspector:

- Mr. David Dinkuhn, Parametrix, Senior Consultant
- Silverdale Recycling and Garbage Facility, Site personnel to provide access
- Silverdale Recycling and Garbage Facility Redevelopment – Existing Conditions Survey Control Drawings, Parametrix

2.2 Buildings and Project Area Descriptions

Parametrix retained Terracon Consultants, Inc. (Terracon) to conduct a regulated building materials inspection of the Silverdale Recycling and Garbage Facility, located at 8843 NW Dickey Road in Silverdale, Washington. The project area included four buildings: 3 unloading bays to be renovated and one guard shack to be demolished.

The guard shack to be demolished is a 350 square foot, one-story wood frame structure with a concrete foundation. Interior finishes consist of oriented strand board (OSB) walls. Interior floors are bare concrete. Exterior finishes consist of corrugated metal sheets. Roofing consists of 3-tab shingles. Insulation consists of rigid foam installed in the roof. Interior heating is provided by an electric baseboard heater. Observed piping is uninsulated

The three unloading bays to be renovated are each 600 square feet, two-story structures with metal frames built on a concrete foundation wall concrete and asphalt floors. The three unloading bays do not have interior finishes. Exterior finishes and roofing consist of corrugated metal sheets. The three unloading bays are uninsulated, unheated, and not plumbed.

3.0 Asbestos Assessment

3.1 Building Assessment

Mr. Daniel Sheppard, an Asbestos Hazard Emergency Response Act (AHERA)-accredited building inspector (Certification 185730, expiration date: 7/13/2023) from Terracon, performed the sampling on March 22, 2023. Terracon's inspector collected 24 samples of materials identified as suspect ACM.

This inspection was conducted using a modified protocol adapted from AHERA. The protocol is as follows:

- Identify suspect asbestos-containing materials.
- Group materials into homogeneous sampling areas/materials.
- Quantify each homogeneous material and collect representative samples. The number of samples collected of miscellaneous materials was determined by the inspector.
- Samples of each material were taken to the substrate, ensuring that all components and layers of the material were included.
- Sample locations are referenced on the field data forms according to sample number.
- Sampling was performed by an AHERA-accredited building inspector, and the use of proper protective equipment and procedures were followed.

3.2 Sampling Procedures

This sampling was conducted using the following procedures:

1. Spread the plastic drop cloth (if needed) and set up other equipment, e.g., ladder.
2. Don protective equipment (respirator and protective clothing if needed).
3. Label sample container with its identification number and record number. Record sample location and type of material sampled on a sampling data form.

4. Moisten area where sample is to be extracted (spray the immediate area with water).
5. Extract sample using a clean knife, drill capsule, or cork boring tool to cut out or scrape off approximately one tablespoon of the material. Penetrate all layers of material.
6. Place sample in a container and tightly seal it.
7. Wipe the exterior of the container with a wet wipe to remove material that may have adhered to it during sampling.
8. Clean tools with wet wipes and wet mop; or vacuum area with HEPA vacuum to clean all debris.
9. Discard protective clothing, wet wipes and rags, cartridge filters, and drop cloth in a labeled plastic waste bag.

3.3 Analytical Methodology

Suspect ACMs were sampled in general accordance with 40 CFR 763.86 by an Environmental Protection Agency (EPA) AHERA-accredited building inspector. Each sample was collected and stored in a heavy-duty, self-sealing plastic bag, and delivered to NVL Laboratories in Seattle, Washington. Quality control bulk samples were collected and stored in the same manner, and delivered to NVL Laboratories in Seattle, Washington. Samples were analyzed via polarized light microscopy (PLM) in accordance with EPA/600/R-93/116. NVL Laboratories is accredited to perform PLM analysis by the National Institute of Standards and Technology National Voluntary Laboratory Accreditation Program (NVLAP).

3.4 Asbestos Results

Table 3.4-1 provides a list of suspect homogeneous material sample descriptions, material locations, and results for this sampling. Also indicated within the table is the AHERA classification of Surfacing (S), Thermal System Insulation (TSI), or Miscellaneous (M). Asbestos-containing materials and assumed asbestos-containing materials are presented in **bold** text. Refer to the attached Figures for sample locations. Refer to the Appendix for photographs that are representative the homogenous materials.

Table 3.4-1. Results of Bulk Sample Analyses

Material No.	Material Description	Material Location	Results
1 (M)	■ Grey 3-tab asphaltic roofing shingles	Roof of guard shack	ND (all layers)
2 (M)	■ Black sealant	Associated with windowpane seams and door frame seams of guard Shack	ND (all layers)
3 (M)	■ **White sealant** ■ **Brown sealant**	**Associated with guard shack wall penetrations**	**White sealant: ND** **Brown sealant: 4% Chrysotile**
4 (M)	■ Black sealant	Associated with base of light post adjacent to the guard shack	ND (all layers)

Table 3.4-1. Results of Bulk Sample Analyses

Material No.	Material Description	Material Location	Results
5 (M)	■ **Brown Sealant**	**Associated with electrical box siding and exterior sheet metal seems on guard shack**	**5%-7% Chrysotile**
6 (M)	■ Concrete slab	Foundation associated with the guard shack	ND (all layers)
7 (M)	■ Yellow insulation foam ■ Silver foil	Interior roof insulation within the guard shack	ND (all layers)
11 (M)	■ **Grey sealant**	**Penetration sealant associated with walls of the three storage sheds**	**5%-7% Chrysotile**
12 (M)	■ **Assumed electrical panel components**	**Associated with guard shack**	**Assumed to contain asbestos**

ND: none detected, Material No.: homogenous material that is uniform in color, texture, general appearance, and construction and application date, M: Miscellaneous material per AHERA.

Any material that contains greater than one percent asbestos is considered an ACM and must be handled according to Occupational Safety and Health Administration (OSHA), EPA, and applicable state and local regulations. The EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) 40 CFR 61, Subparts A and M has a requirement related to inspection of suspect ACM in buildings. When the asbestos content of a friable material is visually estimated by PLM to be detectable but less than ten percent, your firm may elect to (1) assume the amount is greater than one percent and treat the material as asbestos-containing or (2) require verification of the amount by the PLM point counting technique. If the results obtained by point counting and visual estimation are different, the point count result must be used. When no asbestos is detected by PLM, point counting is not required.

4.0 Lead Assessment

Homogeneous areas of suspected lead-containing coatings (paints) were identified and sampled in accessible areas throughout the Silverdale Recycling and Garbage Facility located at 8843 NW Dickey Road in Silverdale, Washington. Homogeneous painted surfaces were defined by substrate, application, and color.

4.1 Sampling Methodology

Paint chip samples were collected to the substrate to ensure that all layers present at the location sampled were included in the laboratory analysis. Each sample was collected and stored in a heavy-duty, self-sealing plastic bag and delivered to NVL Laboratories in Seattle, Washington. Samples were analyzed via Atomic Absorption Spectrophotometry in accordance with Method EPA 7000B. NVL Laboratories in Seattle, Washington is accredited by the

American Industrial Hygiene Association (AIHA) for lead analysis.

4.2 Lead Sampling Results

Ten paint chip samples were collected and analyzed for lead. Three samples had reportable concentrations of lead. The results of the analyses are presented in Table 4.2-1.

Table 4.2-1. Paint Chip Sample Results

Paint Number and Description	Paint Location	Sample Result (in ppm)
Pb1: White paint on metal	**Exterior siding of guard shack**	**140**
Pb2: Black paint on metal	Exterior door and window frames of guard shack	<51
Pb3: Green paint on wood	Underside of exterior soffits of guard shack	<55
Pb4: Red paint on metal	**On structural I-beam supports in covered unloading bays**	**170**
Pb5: Yellow paint on metal	On handrails and bollards associated with covered unloading bays	<53
Pb6: Tan paint on metal	**Exterior siding of covered unloading bays**	**3,500**

*<: below the reporting limit, ppm: parts per million, **BOLD**: lead detected*

5.0 Other Regulated Building Materials

5.1 Methodology – Universal Wastes

An inventory of fluorescent light tubes, HID lamps, and potential PCB-containing ballasts was conducted in accessible areas of the project.

Mercury-containing light tubes were counted and documented in an inventory by length. Light tubes were determined to be four-foot tubes.

Magnetic ballasts are suspected of containing PCBs in the potting material or in the dielectric fluid in the capacitor. Electronic ballasts are not suspected of containing PCBs. A Philips Advance Sensor Switch "ballast checker" was used to identify magnetic versus electronic ballasts. The ballast checker is used by pointing the device at a powered light fixture, and the device indicates whether the ballast is electronic or magnetic.

Where high intensity discharge lamps could not be accessed or examined, the following assumptions were made:

- Each HID lamp contains one ballast
- Each HID lamp contains a minimum of one mercury bulb, sodium vapor bulb, or metal halide bulb

5.2 Results

Fluorescent light tubes were observed throughout the building interior. HID lamps are present on the building exterior. Observed light ballasts were electronic and therefore not suspected of containing PCBs. Mercury-containing switches and thermostats were not observed in the project area. Universal wastes were identified in the following quantities:

Table 5.2-1. Universal Wastes Results

Other Regulated Building Materials Description	Approximate Quantity (EA)
Mercury-containing fluorescent light tubes (4’ length)	2
Mercury-containing HID lights	5
Mercury-containing thermostats	0
Mercury-containing switches	0

EA: each

6.0 Conclusions and Recommendations

On March 22, 2023, Terracon conducted a regulated building materials inspection of the Silverdale Recycling and Garbage Facility located at 8843 NW Dickey Road in Silverdale, Washington.

6.1 Asbestos

The results of the asbestos inspection conducted at Silverdale Recycling and Garbage Facility indicate that the following building materials sampled are ACMs or are assumed to contain greater than one percent asbestos.

Table 6.1-1. ACM and Assumed ACM

Material No.	Material Description	Material Location	Approximate Quantity
3 (M)	■ **White sealant** ■ **Brown sealant**	**Associated with guard shack wall penetrations**	15 LF
5 (M)	■ **Brown Sealant**	**Associated with electrical box siding and exterior sheet metal seems on guard shack**	80 LF
11 (M)	■ **Grey sealant**	**Penetration sealant associated with walls of the three storage sheds**	4 EA

Material No.	Material Description	Material Location	Approximate Quantity
12 (M)	■ **Assumed electrical panel components**	**Associated with guard shack**	1 EA

Material No.: Homogenous material that is uniform in color, texture, general appearance, and construction and application date, M: Miscellaneous material per AHERA, LF: linear feet, OD: outer diameter, SF: square feet, EA: Each

Asbestos-related work must be performed in compliance with Washington State worker protection and environmental protection regulations. See WAC 296-62, WAC 296-65, and PSCAA Regulation III, Article 4 for additional information.

Additional suspect ACMs may be present in areas not inspected or that were inaccessible or concealed. These spaces include, but are not limited to, above hard ceiling decks, electrical systems, pipe chases, spaces between wall/ceiling/door/floor cavities, interior of mechanical components, beneath foundation pads, etc. If future maintenance, renovation, and/or demolition activities make these areas accessible, Terracon recommends that a thorough inspection of these spaces be conducted at that time to identify and confirm the presence or absence of additional suspect ACMs. Until then, all such unidentified materials must be treated as assumed ACM in accordance with applicable federal, state, and local regulations.

6.2 Lead

Of the six samples analyzed, three were found to contain detectable concentrations of lead.

The Washington State Department of Labor and Industries requires an exposure assessment be conducted during operations that may disturb the lead paint in such a way that the airborne exposure may reach or exceed the Action level of 30 micrograms per cubic meter (µg/m^3) or the Permissible Exposure Limit of 50 µg/m^3. The worker protection requirements of WAC 296-155-176 "Lead in Construction" may apply.

6.3 Other Regulated Building Materials

Fluorescent light tubes, HID lamps, switches, and thermostats may contain mercury. Fluorescent light ballasts and HID lamp ballasts may contain PCBs. In Washington State, even ballasts labeled with "No PCBs" may have regulated quantities of PCBs and therefore should be handled in accordance with Washington Department of Ecology requirements. Employers must inform their employees of mercury and PCB hazards in accordance with WAC 296-800-170.

Fluorescent light tubes, HID lamps, switches, thermostats, and PCB light ballasts must be removed and recycled or disposed of prior to building demolition as per 40 CFR 262, 40 CFR 265, and WAC 173-303.

7.0 Limitations

This report presents the results of the regulated building materials inspection conducted at the Silverdale Recycling and Garbage Facility located at 8843 NW Dickey Road in Silverdale, Washington. The inspection was for the purposes of identifying ACM, lead-containing paint, PCB caulking, mercury-containing components, PCB ballasts, and HID lamps prior to renovation and demolition.

The lead paint chip sampling and reporting conducted as a part of this inspection does not nor is intended to meet the requirements of the Environmental Protection Agency's Lead; Renovation, Repair, and Painting rule (RRP). Refer to EPA regulation 40CFR745 and Washington State regulation WAC 365-230 for additional information.

Regulated building material inspections are non-comprehensive and subject to many limitations, including those presented below. Our inspection has considered risks pertaining to asbestos, lead in coatings, heavy metals in paint, fluorescent lamps, mercury switches, PCB ballasts, and HID lamps; however, this inspection is limited to only those locations and materials included in the inspection. This inspection was not designed to identify all potential concerns or to eliminate all risks associated with renovation, demolition, material removal, construction, or transferring of property title. Evaluation of other risks not specifically described in the Scope of Work have not been included; for example: structural integrity; engineering loads; electrical; mechanical; radon gas; slope stability; building settlement; and evaluation of toxic and hazardous substances in, or in contact with, soil and groundwater. No warranty, expressed or implied, is made.

Terracon has performed the services set forth in the Scope of Work in accordance with generally accepted industrial hygiene practices in the same or similar localities, related to the nature of the work accomplished, at the time the services were performed.

The regulated building materials and conditions presented in this report represent those observed on the dates we conducted the sampling. This sampling is intended for the exclusive use of Parametrix for specific application to the referenced property. This report does not replace nor can be used as professionally developed construction or demolition plans, specifications, or bidding documents. This report is not a legal opinion.

7.1 Reliance

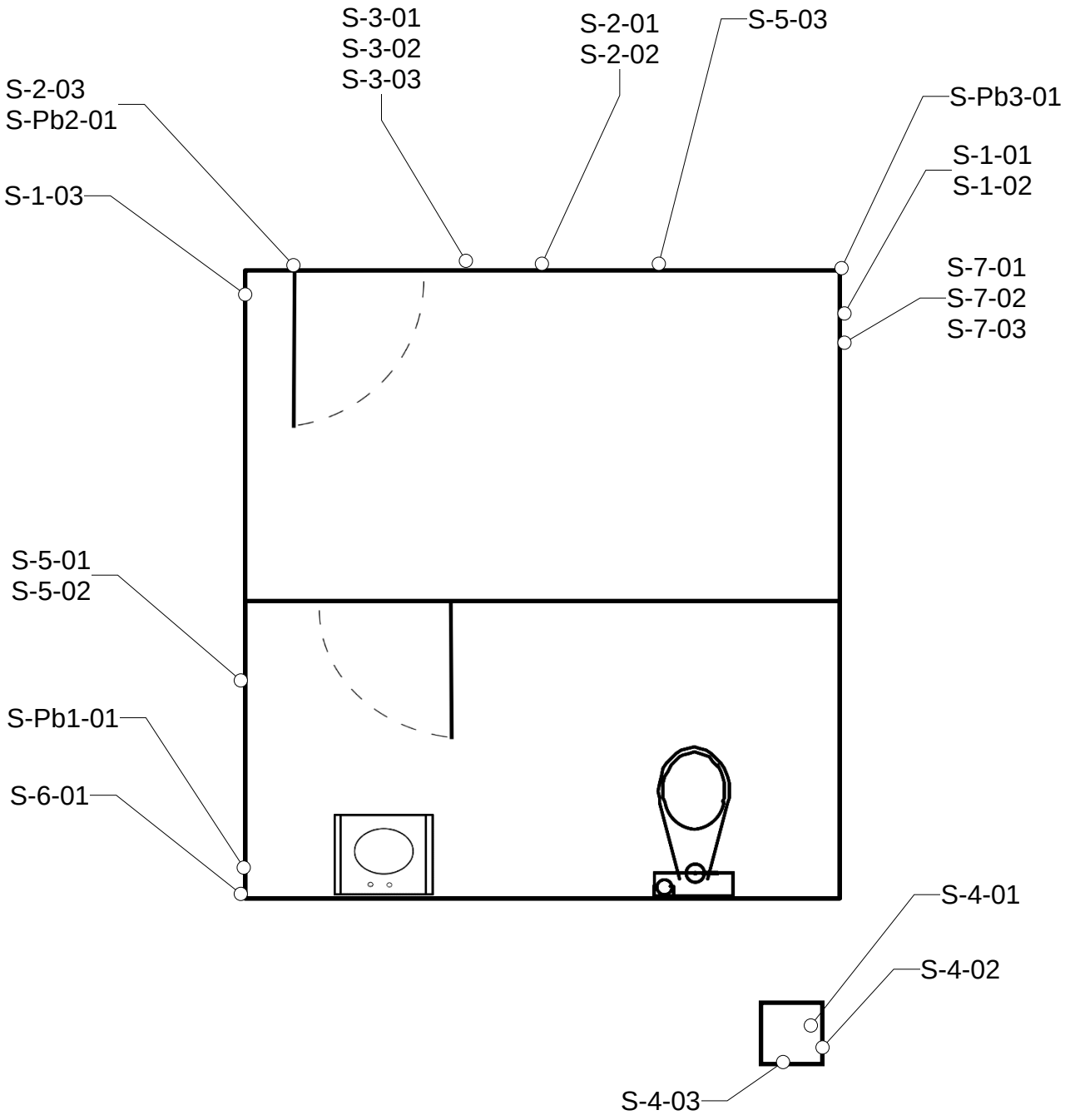
This Report(s) was prepared for the exclusive use and reliance of the Client. Reliance by any other party is prohibited without the written authorization of the Client and Terracon. If the Client is aware of additional parties that will require reliance on the Report, the names, addresses and relationship of these parties must be provided for to Terracon for approval. Terracon will grant reliance on the Report to those approved parties upon receipt of a fully executed Reliance Agreement (available upon request) and receipt of an additional fee of $350.00 per relying party.

Reliance on the Report by the Client and all authorized parties will be subject to the terms, conditions and limitations stated in the Agreement for Services (and sections of this proposal incorporated therein), the Reliance Agreement, and the Report.

Appendix A
Sample Location Figure(s)

N

Project Manager: JW Drawn by: JL Checked by: JL Approved by: SRP	Project No. 81227638 Scale: Not to Scale File Name: N/A Date: APRIL 2023	Terracon 21905 64th Ave W, Ste 100 Mountlake Terrace, WA 98043-2251	PROJECT AREA & BUILDINGS MAP Silverdale Recycling and Garbage Facility 8843 NW Dickey Road Silverdale, WA	Figure 1



Project Manager: JW Drawn by: JL Checked by: JL Approved by: SRP	Project No. 81227638 Scale: Not to Scale File Name: N/A Date: APRIL 2023	Terracon 21905 64th Ave W, Ste 100 Mountlake Terrace, WA 98043-2251	BULK SAMPLE LOCATIONS Silverdale Recycling and Garbage Facility **Guard Shack** **8843 NW Dickey Road** **Silverdale, WA**	Figure 2

N

Project Manager: JW	Project No. 81227638	Terracon 21905 64th Ave W, Ste 100 Mountlake Terrace, WA 98043-2251	BULK SAMPLE LOCATIONS Silverdale Recycling and Garbage Facility **Unloading Bays** **8843 NW Dickey Road** **Silverdale, WA**
Drawn by: JL	Scale: Not to Scale		
Checked by: JL	File Name: N/A		
Approved by: SRP	Date: APRIL 2023		

Figure 3

Appendix B
Photographs

Material 1

Material 2

Material 3

Material 4

APPENDIX B

Material 5

Material 6

Material 7

Material 11

Material 12

Appendix C
Asbestos Laboratory Analytical Results

March 27, 2023

INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Scott Parker
Terracon - Mountlake Terrace
21905 64th Ave. W #100
Mountlake Terrace, WA 98043

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2304649.00

Client Project: 81227638
Location: Silverdale R+G Facility

Dear Mr. Parker,

Enclosed please find test results for the 24 sample(s) submitted to our laboratory for analysis on 3/23/2023.

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,

Nick Ly, Technical Director

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: Terracon - Mountlake Terrace
Address: 21905 64th Ave. W #100
Mountlake Terrace, WA 98043

Attention: Mr. Scott Parker
Project Location: Silverdale R+G Facility

Batch #: 2304649.00
Client Project #: 81227638
Date Received: 3/23/2023
Samples Received: 24
Samples Analyzed: 24
Method: EPA/600/R-93/116

Lab ID: 23029051 **Client Sample #: S-1-01**

Location: Silverdale R+G Facility

Layer 1 of 2	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	77%	**None Detected ND**
Layer 2 of 2	**Description:** Black asphaltic material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	14%	**None Detected ND**

Lab ID: 23029052 **Client Sample #: S-1-02**

Location: Silverdale R+G Facility

Layer 1 of 2	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	72%	**None Detected ND**
Layer 2 of 2	**Description:** Black asphaltic material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	11%	**None Detected ND**

Lab ID: 23029053 **Client Sample #: S-1-03**

Location: Silverdale R+G Facility

Layer 1 of 2	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	79%	**None Detected ND**
Layer 2 of 2	**Description:** Black asphaltic material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	15%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/24/2023
Reviewed by: Nick Ly **Date:** 03/27/2023

Nick Ly, Technical Director

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: Terracon - Mountlake Terrace
Address: 21905 64th Ave. W #100
Mountlake Terrace, WA 98043

Attention: **Mr. Scott Parker**
Project Location: Silverdale R+G Facility

Batch #: 2304649.00
Client Project #: 81227638
Date Received: 3/23/2023
Samples Received: 24
Samples Analyzed: 24
Method: EPA/600/R-93/116

Lab ID: 23029054 **Client Sample #: S-2-01**
Location: Silverdale R+G Facility

Layer 1 of 1	**Description:** Black soft material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 23029055 **Client Sample #: S-2-02**
Location: Silverdale R+G Facility

Layer 1 of 1	**Description:** Black soft material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 23029056 **Client Sample #: S-2-03**
Location: Silverdale R+G Facility

Layer 1 of 1	**Description:** Black soft material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 23029057 **Client Sample #: S-3-01**
Location: Silverdale R+G Facility

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

Lab ID: 23029058 **Client Sample #: S-3-02**
Location: Silverdale R+G Facility

Layer 1 of 1	**Description:** White soft material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic/Binder, Paint, Debris	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/24/2023
Reviewed by: Nick Ly **Date:** 03/27/2023

Nick Ly, Technical Director

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: Terracon - Mountlake Terrace
Address: 21905 64th Ave. W #100
Mountlake Terrace, WA 98043

Attention: **Mr. Scott Parker**
Project Location: Silverdale R+G Facility

Batch #: 2304649.00
Client Project #: 81227638
Date Received: 3/23/2023
Samples Received: 24
Samples Analyzed: 24
Method: EPA/600/R-93/116

Lab ID: 23029059 **Client Sample #: S-3-03**

Location: Silverdale R+G Facility

Comments: Insufficient sample amount in Layer 2 remaining for further analysis.

Layer 1 of 2 **Description:** White soft material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Synthetic/Binder, Paint, Debris	None Detected	ND	**None Detected ND**

Layer 2 of 2 **Description:** Brown soft material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Synthetic/Binder, Paint, Debris	None Detected	ND	**Chrysotile 4%**

Lab ID: 23029060 **Client Sample #: S-4-01**

Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Glass fibers	6%	**None Detected ND**

Lab ID: 23029061 **Client Sample #: S-4-02**

Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Glass fibers	3%	**None Detected ND**
	Cellulose	2%	
	Mineral fibers	2%	

Lab ID: 23029062 **Client Sample #: S-4-03**

Location: Silverdale R+G Facility

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/24/2023
Reviewed by: Nick Ly **Date:** 03/27/2023

Nick Ly, Technical Director

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: Terracon - Mountlake Terrace
Address: 21905 64th Ave. W #100
Mountlake Terrace, WA 98043

Attention: **Mr. Scott Parker**
Project Location: Silverdale R+G Facility

Batch #: 2304649.00
Client Project #: 81227638
Date Received: 3/23/2023
Samples Received: 24
Samples Analyzed: 24
Method: EPA/600/R-93/116

Layer 1 of 1 **Description:** Black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	4%	**None Detected ND**
	Glass fibers	2%	

Lab ID: 23029063 **Client Sample #: S-5-01**

Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Brown soft material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Synthetic/Binder, Paint, Debris	Cellulose	2%	**Chrysotile 6%**

Lab ID: 23029064 **Client Sample #: S-5-02**

Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Brown soft material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Synthetic/Binder, Paint, Debris	Cellulose	3%	**Chrysotile 7%**

Lab ID: 23029065 **Client Sample #: S-5-03**

Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Brown soft material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Synthetic/Binder, Paint, Debris	Cellulose	2%	**Chrysotile 5%**

Lab ID: 23029066 **Client Sample #: S-6-01**

Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Tan brittle material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/24/2023
Reviewed by: Nick Ly **Date:** 03/27/2023

Nick Ly, Technical Director

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: Terracon - Mountlake Terrace
Address: 21905 64th Ave. W #100
Mountlake Terrace, WA 98043

Attention: **Mr. Scott Parker**
Project Location: Silverdale R+G Facility

Batch #: 2304649.00
Client Project #: 81227638
Date Received: 3/23/2023
Samples Received: 24
Samples Analyzed: 24
Method: EPA/600/R-93/116

Lab ID: 23029067 **Client Sample #: S-6-02**
Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Tan brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Mineral grains, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 23029068 **Client Sample #: S-6-03**
Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Tan brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Mineral grains, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 23029069 **Client Sample #: S-7-01**
Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Yellow foamy material with adhesive and metal foil

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Synthetic/Binder, Adhesive/Binder, Metal foil	None Detected ND	**None Detected ND**

Lab ID: 23029070 **Client Sample #: S-7-02**
Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Yellow foamy material with adhesive and metal foil

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Synthetic/Binder, Adhesive/Binder, Metal foil	None Detected ND	**None Detected ND**

Lab ID: 23029071 **Client Sample #: S-7-03**
Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Yellow foamy material with adhesive and metal foil

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Synthetic/Binder, Adhesive/Binder, Metal foil	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/24/2023
Reviewed by: Nick Ly **Date:** 03/27/2023

Nick Ly, Technical Director

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: Terracon - Mountlake Terrace
Address: 21905 64th Ave. W #100
Mountlake Terrace, WA 98043

Attention: **Mr. Scott Parker**
Project Location: Silverdale R+G Facility

Batch #: 2304649.00
Client Project #: 81227638
Date Received: 3/23/2023
Samples Received: 24
Samples Analyzed: 24
Method: EPA/600/R-93/116

Lab ID: 23029072 **Client Sample #: S-11-01**
Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Gray crumbly material with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Debris, Fine particles	Cellulose 2%	**Chrysotile 6%**

Lab ID: 23029073 **Client Sample #: S-11-02**
Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Gray crumbly material with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Debris, Fine particles	Cellulose 3%	**Chrysotile 7%**

Lab ID: 23029074 **Client Sample #: S-11-03**
Location: Silverdale R+G Facility

Layer 1 of 1 **Description:** Gray crumbly material with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Debris, Fine particles	Cellulose 2%	**Chrysotile 5%**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/24/2023
Reviewed by: Nick Ly **Date:** 03/27/2023

Nick Ly, Technical Director

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

NVL

Company Terracon - Mountlake Terrace
Address 21905 64th Ave. W #100
Mountlake Terrace, WA 98043
Project Manager Mr. Scott Parker
Phone (425) 771-3304
Cell (206) 714-7152

NVL Batch Number **2304649.00**
TAT 5 Days **AH** No
Rush TAT
Due Date 3/30/2023 **Time** 10:30 AM
Email scott.parker@terracon.com
Fax (425) 771-3549

Project Name/Number: 81227638 **Project Location:** Silverdale R+G Facility

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

Total Number of Samples 24 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	23029051	S-1-01		A
2	23029052	S-1-02		A
3	23029053	S-1-03		A
4	23029054	S-2-01		A
5	23029055	S-2-02		A
6	23029056	S-2-03		A
7	23029057	S-3-01		A
8	23029058	S-3-02		A
9	23029059	S-3-03		A
10	23029060	S-4-01		A
11	23029061	S-4-02		A
12	23029062	S-4-03		A
13	23029063	S-5-01		A
14	23029064	S-5-02		A
15	23029065	S-5-03		A
16	23029066	S-6-01		A
17	23029067	S-6-02		A
18	23029068	S-6-03		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Hieu Ta		NVL	3/23/23	1030
Analyzed by	Hieu Ta		NVL	3/24/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 3/23/2023
Time: 12:23 PM
Entered By: Kelly AuVu

ASBESTOS LABORATORY SERVICES

Company	Terracon - Mountlake Terrace	**NVL Batch Number**	**2304649.00**
Address	21905 64th Ave. W #100 Mountlake Terrace, WA 98043	**TAT** 5 Days	**AH** No
		Rush TAT	
Project Manager	Mr. Scott Parker	**Due Date** 3/30/2023	**Time** 10:30 AM
Phone	(425) 771-3304	**Email**	scott.parker@terracon.com
Cell	(206) 714-7152	**Fax**	(425) 771-3549

Project Name/Number: 81227638 **Project Location:** Silverdale R+G Facility

Subcategory PLM Bulk

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

Total Number of Samples 24 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	23029069	S-7-01		A
20	23029070	S-7-02		A
21	23029071	S-7-03		A
22	23029072	S-11-01		A
23	23029073	S-11-02		A
24	23029074	S-11-03		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Hieu Ta		NVL	3/23/23	1030
Analyzed by	Hieu Ta		NVL	3/24/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 3/23/2023
Time: 12:23 PM
Entered By: Kelly AuVu

2304649

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

ASBESTOS CHAIN OF CUSTODY

Turn Around Time: 5 day +AT

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours
- ☐ 24 Hours
- ☐ 2 Days
- ☐ 3 Days
- ☐ 4 Days
- ☑ 5 Days
- ☐ 10 Days

Please call for TAT less than 24 Hours

Company: Terracon/Argus Pacific
Address: 21905 64th Ave W.
Mountlake Terrace, WA 98043
Phone: 425-771-3304

Project Manager And Staff

☐	Christina Anderson	360.303.7452	Christina.Anderson@terracon.com
☐	Derica Escamilla	425.697.1122	Derica.Escamilla@terracon.com
☐	John McCaslin	206.795.1338	John.McCaslin@terracon.com
☑	Scott Parker	206.714.7152	Scott.Parker@terracon.com
☐	Kyle Fitzpatrick	253.709.8258	Kyle.Fitzpatrick@terracon.com
☐	Jacob Lindberg	425.697.1027	Jacob.Lindberg@terracon.com
☐	Bryn Honnold	415.293.3901	Bryn.Honnold@terracon.com
☒	Daniel Sheppard	425.273.6046	Daniel.Sheppard@terracon.com
☐	Joel Welchel	951-990-0983	Joel.Welchel@terracon.com

Project Name/Number: B1227638 | Project Location: Silverdale R+G Facility

- ☐ PCM Air (NIOSH 7400)
- ☑ PLM (EPA 600/R-93-116)
- ☐ PLM Gravimetry (600/R-93-116)
- ☐ Asbestos Friable/Non-Friable (EPA 600/R-93/116)
- ☐ TEM (NIOSH 7402)
- ☐ EPA 400 Points (600/R-93-116)
- ☐ Asbestos in Vermiculite (EPA 600/R-04/004)
- ☐ TEM (AHERA)
- ☐ Other
- ☐ TEM (EPA Level II Modified)
- ☐ EPA 1000Points (600/R-93-116)
- ☐ Asbestos in Sediment (EPA 1900 Points)

Reporting Instructions: Email
☐ Call ( ) ☐ Fax ( ) ☑ Email

Total Number of Samples 24

	Sample ID	Description	A/R
1	S-1-01	16. S-6-01	
2	-02	-02	
3	-03	-03	
4	2-01	7-01	
5	-02	-02	
6	-03	-03	
7	3-01	11-01	
8	-02	-02	
9	-03	24. -03	
10	4-01		
11	-02		
12	-03		
13	5-01		
14	-02		
15	-03		

	Print Name	Signature	Company	Date	Time
Sampled by	Daniel Sheppard		Terracon/Argus Pacific		
Relinquish by	Daniel Sheppard		Terracon/Argus Pacific	3.23.23	Drop Box

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Hieu Ta		NVL Labs	3/23/23	1030 DB
Analyzed by					
Called by					
Faxed/Email by					

Appendix D
Lead Laboratory Analytical Results

March 28, 2023

Scott Parker
Terracon - Mountlake Terrace
21905 64th Ave. W #100
Mountlake Terrace, WA 98043

NVL Batch # 2304742.00

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

Client Project: 81227638
Location: Silverdale R+G Facility

Dear Mr. Parker,

NVL Labs received 6 sample(s) for the said project on 3/23/2023. 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

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

Analysis Report

Total Lead (Pb)

Client: Terracon - Mountlake Terrace
Address: 21905 64th Ave. W #100
Mountlake Terrace, WA 98043

Attention: **Mr. Scott Parker**
Project Location: Silverdale R+G Facility

Batch #: 2304742.00
Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 81227638
Date Received: 3/23/2023
Samples Received: 6
Samples Analyzed: 6

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23029594	S-Pb1-01	0.1906	52	140	0.014
23029595	S-Pb2-01	0.1945	51	< 51	<0.0051
23029596	S-Pb3-01	0.1802	55	< 55	<0.0055
23029597	S-Pb4-01	0.1833	55	170	0.017
23029598	S-Pb5-01	0.1890	53	< 53	<0.0053
23029599	S-Pb6-01	0.1090	92	3500	0.35

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

Date Analyzed: 03/28/2023
Date Issued: 03/28/2023

Shalini Patel, Manager Metals Lab

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

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

Bench Run No: 2023-0328-02
FAA-02

LEAD LABORATORY SERVICES

Company	Terracon - Mountlake Terrace	**NVL Batch Number**	**2304742.00**
Address	21905 64th Ave. W #100 Mountlake Terrace, WA 98043	**TAT** 5 Days	**AH** No
		Rush TAT	
Project Manager	Mr. Scott Parker	**Due Date** 3/30/2023	**Time** 10:30 AM
Phone	(425) 771-3304	**Email**	scott.parker@terracon.com
Cell	(206) 714-7152	**Fax**	(425) 771-3549

Project Name/Number: 81227638 **Project Location:** Silverdale R+G Facility

Subcategory Flame AA (FAA)

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

Total Number of Samples 6 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	23029594	S-Pb1-01		A
2	23029595	S-Pb2-01		A
3	23029596	S-Pb3-01		A
4	23029597	S-Pb4-01		A
5	23029598	S-Pb5-01		A
6	23029599	S-Pb6-01		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Hieu Ta		NVL	3/23/23	1030
Analyzed by	Yasuyuki Hida		NVL	3/28/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 3/24/2023
Time: 11:43 AM
Entered By: Kelly AuVu

2304742

NVL LABS
HAZARDOUS MATERIALS SERVICES

METALS CHAIN OF CUSTODY

Turn Around Time: 5 Day TAT
- ☐ 2 Hour ☐ 4 Hours ☐ 24 Hours
- ☐ 2 Days ☐ 3 Days ☐ 4 Days
- ☒ 5 Days ☐ 6-10 Days

Please call for TAT less than 24 Hours

Project Manager And Staff

☐	Christina Anderson	360.303.7452	Christina.Anderson@terracon.com
☐	Derica Escamilla	425.697.1122	Derica.Escamilla@terracon.com
☐	John McCaslin	206.795.1338	John.McCaslin@terracon.com
☒	Scott Parker	206.714.7152	Scott.Parker@terracon.com
☐	Kyle Fitzpatrick	253.709.8258	Kyle.Fitzpatrick@terracon.com
☐	Jacob Lindberg	425.697.1027	Jacob.Lindberg@terracon.com
☐	Bryn Honnold	415.293.3901	Bryn.Honnold@terracon.com
☒	Daniel Sheppard	425.273.6046	Daniel.Sheppard@terracon.com
☐	Joel Welchel	951-990-0983	Joel.Welchel@terracon.com

Company: Terracon/Argus Pacific
Address: 21905 64th Ave W Suite 100
Mountlake Terrace, WA 98043
Phone: 425-771-3304

Project Name/Number: 812276 38 | Project Location: Silverdale R+G facility

- ☒ Total Metals ☐ TCLP
- ☒ FAA (ppm) ☐ ICP (PPM) ☐ GFAA (ppb) ☐ CVAA (ppb)
- ☐ Air Filter ☒ Paint Chips (%) ☐ Soil ☐ Paint Chips (cm²) ☐ Dust Wipes ☐ Drinking Water ☐ Waste Water ☐ Other
- RCRA 8: ☐ Barium ☐ Chromium ☐ Silver ☐ Arsenic ☐ Mercury ☒ Lead ☐ Selenium ☐ Cadmium
- RCRA 11: ☐ Copper ☐ Zinc ☐ Other

Reporting Instructions: EMAIL
☐ Call ☐ Fax ☒ Email

Total Number of Samples: 6

	Sample ID	Description	A/R
1	S-Pb1-01		
2	Pb2-01		
3	Pb3-01		
4	Pb4-01		
5	Pb5-01		
6	Pb6-01		
7			
8			
9			
10			
11			
12			
13			
14			
15			

	Print Name	Signature	Company	Date	Time
Sampled by	Daniel Sheppard		Terracon/Argus Pacific		
Relinquish by	Daniel Sheppard		Terracon/Argus Pacific	3.23.23	

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Hieu Ta		NVL Labs	3/23/23	1030 DB
Analyzed by					
Called by					
Faxed/Email by					

Appendix E
Personnel and Laboratory Accreditations

Certificate of Completion

This is to certify that

Daniel E. Sheppard

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

185730
Certificate Number

ARGUS PACIFIC
TRAINING • CONSULTING
A Terracon COMPANY

Jul 13, 2022 Expires in 1 year.
Date(s) of Training

Exam Score: N/A
(if applicable)

Instructor: Andre Zwanenburg

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

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: June 01, 2023
☑	**ENVIRONMENTAL LEAD**	Accreditation Expires: June 01, 2023
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: June 01, 2023
☐	**FOOD**	Accreditation Expires:
☑	**UNIQUE SCOPES**	Accreditation Expires: June 01, 2023

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
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision19: 09/01/2020

Date Issued: 04/30/2021

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