Limited Hazardous Materials Survey

City of Lake Forest Park Lakefront Improvements Project
17345 and 17347 Beach Dr. NE
Lake Forest Park, Washington

EHSI Project No. 11720

Prepared for:
DCG/Watershed
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EXECUTIVE SUMMARY

DCG/Watershed contracted EHS-International, Inc. (EHSI), a hazardous materials and industrial hygiene consulting firm, to conduct a Limited Hazardous Materials Survey of the Lake Forest Park Lakefront properties, located at 17345 and 17347 Beach Drive Northeast in Lake Forest Park, Washington (the Site). The scope for the project is to provide hazardous materials sampling of nine structures as shown on the Draft Lakefront Early Works Concept Demolition Drawing dated February 1, 2024 and figure SL-0 in this report. Buildings one through five are currently scheduled for demolition and renovations of buildings six through eight are anticipated. Building nine is additionally scheduled for demolition. The EHSI limited survey included all accessible materials associated with the nine structures.

During the limited hazardous materials survey, EHSI surveyed asbestos-containing materials (ACM); lead-containing paint (LCP); polychlorinated biphenyl (PCB)–containing light ballasts; mercury-containing fluorescent light tubes and thermostats; high-intensity discharge (HID) lights; and other regulated materials if encountered within the buildings. This survey was performed in accordance with federal, state, and local regulatory requirements. Each regulated material included in the survey is summarized below.

Previous Reports

As part of the asbestos survey methodology, EHSI reviews any previous reports or abatement records available for a site. The following previous report was reviewed and used by EHSI to develop a sampling plan for this Limited Hazardous Materials Survey.

- 2019 Eco Compliance Corporation Phase 1 Environmental Site Assessment.

The 2019 Eco Compliance Environmental Site Assessment identified suspect asbestos containing materials as being present at the Site, however no hazardous materials sampling was included in the scope of the 2019 assessment.

Asbestos-Containing Building Materials

EHSI collected one hundred and thirty-five (135) bulk samples of suspect ACM at the Site. Additionally, fourteen (14) split bulk samples were sent to a second laboratory for QA purposes. Specific sample locations of the suspect materials can be referenced in sample location Figures SL-0 through SL-10.

The following ACM and assumed ACM were identified at the Site, organized by area:

Building 2:

- **250 Square feet (SF): Assumed ACM red and gray fireplace brick with mortar**
- **600 Linear feet (LF): Assumed ACM cloth insulated electrical wiring**

Building 3:

- **250 SF: Assumed ACM red and gray fireplace brick with mortar**
- **600 LF: Assumed ACM cloth insulated electrical wiring**

Building 4:

- **250 SF: Assumed ACM red and gray fireplace brick with mortar**
- **600 LF: Assumed ACM cloth insulated electrical wiring**

Building 5:

- **25 SF: Dark gray cement board paneling** (on wood)
- **600 LF: Assumed ACM cloth insulated electrical wiring**

Building 6:

- **350 SF: 9”x9” Red VFT on black mastic** (on wood)
- **100 SF: 9”x9” Black VFT on** black mastic (on wood)
- **250 SF:** Red external fireplace brick and gray internal fireplace brick on **ACM mortar**
- **200 SF: Assumed ACM vermiculite insulation**
- **600 LF: Assumed ACM cloth insulated electrical wiring**

Building 7:

- **5 Each (EA): Blue and white mudded elbows** (on 4” OD metal boiler piping)
- **10 SF: TSI lining** (on boiler interior)
- **500 LF: Assumed ACM cloth insulated electrical wiring**

Building 8:

- **1,500 Square feet (SF): Beige joint compound** on GWB
- **300 Linear feet (LF): White interior window glazing** (on 9’x11’ metal framed window)
- **200 SF:** 4”x4” cream ceramic tile with **gray grout** (on plaster)
- **300 LF: TSI** (on 3” OD metal hot water piping)
- **1,500 LF: Assumed ACM cloth insulated electrical wiring**

Building 9:

- **800 SF: 9”x9” Brown vinyl flooring tile** on black mastic (on wood)
- **20 SF:** White grid pattern SV on brown mastic on **dark red/brown VFT** (on wood)
- **10 SF:** 2”x2” Olive ceramic tile on **yellow mastic** on black mastic and 4”x4” white ceramic tile with **yellow brittle mastic** (on wood)
- **30 SF:** 12”x12” White and black VFT on **brown mastic** (on wood)
- **40 SF:** 4”x4” White ceramic tile on gray grout on **brown mastic** (on wood paneling)
- **400 LF: Assumed ACM cloth insulated electrical wiring**

Lead-Containing Paint

EHSI completed a limited lead assessment of the project area using an Olympus Delta DC-2000 X-Ray Fluorescence (XRF) Spectrum Analyzer. **Every building within the survey scope was found to have paint coatings with detectable levels of lead. Paint coatings meeting the definition of lead based paint with lead concentrations equal to or greater than 1.0 milligrams per square centimeter (mg/cm^2) were identified within buildings 1, 2, 3, 4, 5, and 9.** As EHSI's survey was limited and did not include a comprehensive paint color and substrate survey, EHSI recommends assuming all painted coatings within the project area contain at least detectable levels of lead. The XRF analytical results are included in Table 2.

The OSHA Lead in Construction Standard applies to construction-related tasks that impact any detectable level of lead. During demolition activities, we recommend that the contractor use precautions and follow health and safety guideline, since all painted surfaced within the project area are considered to contain detectable levels of lead. EHSI recommends that the provided XRF analytical data be used in conjunction with other applicable (e.g., air monitoring) data to evaluate the potential for elevated occupation lead exposures during demolition activities.

Additionally, the EPA Lead Renovation, Repair and Painting (RRP) Program (40 CFR Part 745) applies to child occupied facilities with lead based paint. Projects disturbing lead-based paint in facilities where RRP rules apply require the use of lead-safe certified contractors employing approved work practices to control lead dust and debris

Polychlorinated Biphenyl (PCB) Light Ballasts, Mercury, and Other Regulated Materials

As part of the survey for regulated materials, EHSI quantified the number of light ballasts and prepared an inventory of other installed regulated materials that may classify as universal hazardous wastes or other regulated wastes that would be impacted by the proposed demolition of the buildings on the Site. The materials included in this survey are mercury-containing items such as fluorescent light tubes, HID lighting, and thermostats. All identified magnetic ballasts are assumed to contain PCBs. A similar assumption applies to mercury potentially present within fluorescent lamps and fluorescent light fixtures. Generally, it is not necessary to sample these materials because their presence in buildings represents a future cost for disposal of the facility's installed contents.

The following quantities of suspect PCB, mercury and chlorofluorocarbon (CFC) containing fixtures were identified at the site:

- Three fluorescent light fixtures with a total of three suspect PCB containing ballasts and six mercury containing light tubes
- Six suspect CFC containing refrigerators
- Three light fixtures with three suspect mercury containing compact fluorescent light bulbs.

The following regulated materials were identified at the Site, organized by area, and are listed in section 3.3 and Table 3.

1.0 INTRODUCTION

DCG/Watershed contracted EHS-International, Inc. (EHSI), a hazardous materials and industrial hygiene consulting firm, to conduct a Limited Hazardous Materials Survey of the Lake Forest Park Lakefront properties, located at 17345 and 17347 Beach Drive Northeast in Lake Forest Park, Washington (the Site). The scope for the project is to provide hazardous materials sampling of nine structures as shown on the Draft Lakefront Early Works Concept Demolition Drawing dated February 1, 2024 and figure SL-0 in this report. Buildings one through five are currently scheduled for demolition and renovations of buildings six through eight are anticipated. Building nine is additionally scheduled for demolition. The EHSI limited survey included all accessible materials associated with the nine structures.

1.1 Scope of Work

The scope of services for the limited hazardous materials survey included the following tasks:

- Review and incorporate past asbestos survey information into this survey.
- Collect bulk suspect asbestos-containing materials (ACM) samples as necessary to identify ACM within the site building. Where bulk sampling or access is not possible, review available historical drawings and/or make inventory assumptions to the likely quantities of ACM that can be assumed.
- Collect X-Ray fluorescence (XRF) samples representative of interior painted coatings to determine the lead content.
- Inventory universal wastes such as potential polychlorinated biphenyl (PCB)–containing light ballasts; mercury-containing fluorescent light tubes; high-pressure sodium lamps; mercury-containing fluorescent light tubes, switches, and thermostats; fire extinguishers; and various ozone-depleting substances.
- Prepare a summary report documenting the findings of the survey and provide tables summarizing hazardous materials, analytical data, comments, and recommendations for handling and control.

1.2 Building Description

The nine Site buildings included in the project scope are believed to have been originally constructed in the 1930's. Building 1 consists of a five-carport garage. Buildings 2,3,4 and 6 consist of one-bedroom cabins. Building five is a two-bedroom cabin and building 7 is a garage/mechanical maintenance area. Building 8 is described as the two story, main house and building 9 is a small two room lakefront cabin. The buildings feature a combination of brick masonry wood framing construction with slab-on-grade foundations. Building interiors are composed of vinyl composite tile (VCT) flooring, sheet vinyl flooring (SV), hardwood flooring and ceramic tiling. Wall finishes are composed of wood paneling, gypsum wallboard (GWB), and plaster. The site layout and building numbering is provided in Figure SL-0.

1.3 Limitations

The conclusions of the report are professional opinions based solely upon visual site observations and interpretations of sample analyses as described in this report. The opinions presented herein apply to

conditions existing at the time of the investigation and interpretation of current regulations pertaining to ACM. Therefore, opinions and recommendations provided herein may not apply to future conditions that may exist at the Site. Current applicable regulations should always be verified prior to any work involving asbestos or other regulated materials. This survey is not intended to be used as an abatement design document. All existing conditions, quantities, and locations should be verified prior to abatement. ACM may be located within areas that were not accessible during this survey.

The purpose of the limited hazardous material survey is to reasonably test for evidence of asbestos and other hazardous materials in suspect or randomly selected materials at a facility. It should be noted that no survey can be comprehensive or exhaustive enough to eliminate the possibility that ACM present at the Site may not be detected during the survey. Therefore, the completion of this or any survey for ACM or other hazardous materials should not be considered a warranty or guarantee that these materials do not exist, even if they are not detected through a survey.

The survey did not include sampling of the following materials or locations at the Site either because the locations or materials were out of scope or due to limited access:

- Wet walls
- Materials associated with energized electrical equipment (e.g., panel boards, wiring)

Due to the age of the Site buildings, it is possible that materials associated with the above-noted structures or systems may contain asbestos. If suspect materials are determined to be present within the above-noted systems, the materials should be considered as presumed ACM until proven otherwise by sampling and laboratory analysis.

2.0 METHODOLOGY

This section describes the sampling methodology and applicable asbestos regulations. Information concerning the Site was obtained from site inspections conducted by EHSI employees Mr. Marcus Gladden, Mr. Matt Macfarlane, Mr. Reese Myers and Mr. Dimitri Lominadze. Staff Asbestos Hazard Emergency Response Act (AHERA) Building Inspector certifications are included as Appendix A. Photographs of surveyed areas and samples collected are included as Appendix B.

2.1 Asbestos Survey Methodology

A visual inspection of accessible areas was conducted to identify suspect and assumed ACM. The asbestos survey was performed by AHERA-certified building inspectors in accordance with a sampling protocol appropriate for the demolition of the Site buildings. The sampling protocol was developed in accordance with the following:

- US Environmental Protection Agency (EPA) Asbestos Regulation of the Toxic Substances Control Act (Part 763 of Title 40 of the Code of Federal Regulations)
- Puget Sound Clean Air Agency (PSCAA) Asbestos Control Standards (Regulation III, Article 4)

- Washington State Department of Labor and Industries Asbestos, Tremolite, Anthophyllite, and Actinolite Regulation (Section 077 of Chapter 296-62 of the Washington Administrative Code [WAC 296-62-077])

The sampling plan included the collection and analysis of samples as follows, at a minimum:

- **Thermal system insulation (TSI):** EHSI collected a minimum of five samples in a distributive manner from each homogeneous sampling area not presumed to contain asbestos. At least one bulk sample of patched TSI was collected from each homogenous area if the patch was less than 5,000 square feet (SF) in area.
- **Surfacing material:** EHSI collected a minimum of three samples in a distributive manner from each homogenous area that was 1,000 SF or less in area. Five samples were collected, at a minimum, from each homogenous area that was more than 1,000 SF in area but less than or equal to 5,000 SF in area. Seven samples were collected, at a minimum, from each homogenous area that was more than 5,000 SF in area.
- **Miscellaneous materials:** EHSI collected bulk samples of suspect ACM in a distributive manner as deemed sufficient by the AHERA-certified building inspector. At least one sample of each suspect miscellaneous material not presumed to contain asbestos was collected.
- **Non-suspect materials:** According to 40 CFR 763-86(4), where the accredited inspector has deemed the material to be fiberglass, foam glass, rubber, or other recognized non-ACM, sampling was not required.

EHSI collected one hundred and thirty-five (135) bulk samples of suspect ACM and an additional fourteen (14) samples for quality control. Samples were collected by carefully removing small portions of the suspect material with a sharp knife or other hand tool suitable for the material being sampled. The sampling instrument was wiped with a clean moist cloth to decontaminate the tool and minimize the potential release of asbestos fibers or cross-contamination of subsequent samples. Once collected, each bulk sample was sealed in a new clean plastic bag to eliminate the possibility of cross-contamination, labeled with the sample name, and shipped to the analytical laboratory under standard chain-of-custody protocols. Bulk ACM sample locations are illustrated on Figures SL-0 through SL-10.

2.1.1 Previous Reports

As part of the asbestos survey methodology, EHSI reviews any previous reports or abatement records available for a site. The following previous reports were reviewed and used by EHSI to develop a sampling plan for this Limited Hazardous Materials Survey. These previous reports are included as part of a single document in Appendix E.

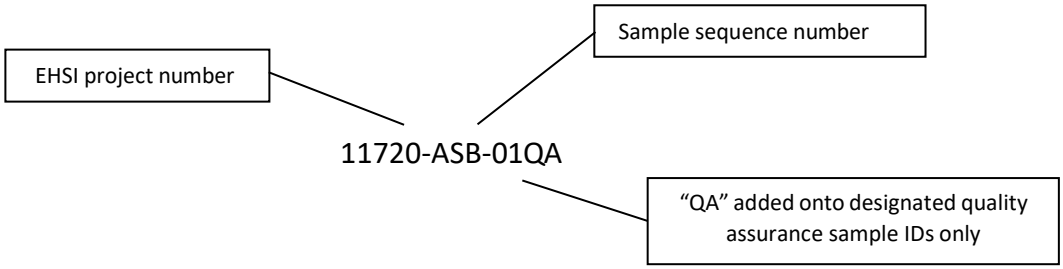
- 2019 Eco Compliance Corporation Phase 1 Environmental Site Assessment

  The 2019 Eco Compliance Environmental Site Assessment identified suspect asbestos containing materials as being present at the Site, however no hazardous materials sampling was included in the scope of the 2019 assessment.

2.1.2 Sample Documentation

A unique sample identification system was employed for bulk samples of suspect ACM collected during the survey that includes the project number, and sample sequence number.

Example:



Data pertinent to each sample (e.g., date, sample name, material description, and material category) was recorded on a field data sheet. The material determination of friability was made by the AHERA-certified building inspector in the field. Details regarding the bulk samples of suspect ACM and friability are summarized in Table 1.

2.1.3 Laboratory Analysis

As specified in 40 CFR 763.87, each sample was analyzed using polarized light microscopy (PLM) with dispersion staining in accordance with EPA Method 600/R-93/116. Samples were analyzed for asbestos content NVL Laboratories Inc. of Seattle, Washington (NVL). NVL participates in the National Institute for Standards and Technology National Voluntary Laboratory Accreditation Plan (NVLAP). Only materials containing greater than 1 percent (%) total asbestos were classified as "asbestos containing" based on EPA, state, and local regulations.

Split samples were collected from some sample locations for quality assurance (QA) purposes and sent to a separate laboratory for analysis. QA samples were submitted to Eurofins Labcor Inc. of Seattle, Washington (Eurofins). Eurofins is also a NVLAP-accredited laboratory.

Laboratory analytical reports and chain-of-custody forms are provided in Appendix C. Laboratory certifications are provided in Appendix D.

2.2 Lead Survey

EHSI's lead survey consisted of a combination of XRF testing of suspect paints and building materials. EHSI used an Olympus Delta DC-2000 XRF Spectrum Analyzer to measure lead content of paint coatings and suspect lead-containing materials. The Olympus Delta DC-2000 limit of detection (LOD) is 0.01 mg/cm². During the survey, EHSI followed the manufacturer's instructions for pre- and post-calibration checks of the XRF analyzer using the National Institute of Standards and Technology lead calibration cards. XRF readings of paint are considered representative of all layers of paint at each sample location. Results of the XRF testing are included in Table 2.

2.3 Visual Survey of PCBs, Mercury, and Other Regulated Materials

Verifying the presence or absence of PCBs, mercury, or other regulated materials by laboratory analysis, excluding ACM, was beyond the scope of this survey. The survey did not include visual identification and determination of quantities of potential PCB-containing fluorescent light ballasts. All light ballasts were assumed to contain PCBs. A similar assumption applies to mercury potentially present within fluorescent lamps in fluorescent light fixtures, high-intensity discharge (HID) lamps, and thermostats.

3.0 RESULTS

This section summarizes the results of the Limited Hazardous Materials Survey conducted at the buildings on the Site.

3.1 Asbestos

EHSI collected one hundred and thirty-five (135) bulk samples of suspect ACM at the Site. Additionally, fourteen (14) split bulk samples were sent to a second laboratory for QA purposes. Specific sample locations of the suspect materials can be referenced in sample location Figures SL-0 through SL-10.

The following ACM and assumed ACM were identified at the Site, organized by area:

Building 2:

- **250 Square feet (SF): Assumed ACM red and gray fireplace brick with mortar**
- **600 Linear feet (LF): Assumed ACM cloth insulated electrical wiring**

Building 3:

- **250 SF: Assumed ACM red and gray fireplace brick with mortar**
- **600 LF: Assumed ACM cloth insulated electrical wiring**

Building 4:

- **250 SF: Assumed ACM red and gray fireplace brick with mortar**
- **600 LF: Assumed ACM cloth insulated electrical wiring**

Building 5:

- **25 SF: Dark gray cement board paneling** (on wood)
- **600 LF: Assumed ACM cloth insulated electrical wiring**

Building 6:

- **350 SF: 9”x9” Red VFT on black mastic** (on wood)
- **100 SF: 9”x9” Black VFT on** black mastic (on wood)
- **250 SF:** Red external fireplace brick and gray internal fireplace brick on **ACM mortar**
- **200 SF: Assumed ACM vermiculite insulation**
- **600 LF: Assumed ACM cloth insulated electrical wiring**

Building 7:

- **5 Each (EA): Blue and white mudded elbows** (on 4” OD metal boiler piping)
- **10 SF: TSI lining** (on boiler interior)
- **500 LF: Assumed ACM cloth insulated electrical wiring**

Building 8:

- **1,500 Square feet (SF): Beige joint compound** on GWB
- **300 Linear feet (LF): White interior window glazing** (on 9’x11’ metal framed window)
- **200 SF:** 4”x4” cream ceramic tile with **gray grout** (on plaster)
- **300 LF: TSI** (on 3” OD metal hot water piping)
- **1,500 LF: Assumed ACM cloth insulated electrical wiring**

Building 9:

- **800 SF: 9”x9” Brown vinyl flooring tile** on black mastic (on wood)
- **20 SF:** White grid pattern SV on brown mastic on **dark red/brown VFT** (on wood)
- **10 SF:** 2”x2” Olive ceramic tile on **yellow mastic** on black mastic and 4”x4” white ceramic tile with **yellow brittle mastic** (on wood)
- **30 SF:** 12”x12” White and black VFT on **brown mastic** (on wood)
- **40 SF:** 4”x4” White ceramic tile on gray grout on **brown mastic** (on wood paneling)
- **400 LF: Assumed ACM cloth insulated electrical wiring**

A detailed summary of all suspect ACM, including the sample number, homogenous material description, material classification, analytical results, and quantity, is provided in Table 1. Analytical laboratory reports and chain-of-custody forms for bulk samples of suspect ACM are included in Appendix C. Bulk suspect ACM sample locations are illustrated on Figures SL-0 through SL-10.

3.2 Lead

EHSI completed a limited lead assessment of the project area using an Olympus Delta DC-2000 X-Ray Fluorescence (XRF) Spectrum Analyzer. **Every building within the survey scope was found to have paint coatings with detectable levels of lead. Paint coatings meeting the definition of lead based paint with lead concentrations equal to or greater than 1.0 milligrams per square centimeter (mg/cm^2) were identified within buildings 1, 2, 3, 4, 5 and 9.** As EHSI's survey was limited and did not include a comprehensive paint color and substrate survey, EHSI recommends assuming all painted coatings within the project area contain at least detectable levels of lead. The XRF analytical results are included in Table 2.

The OSHA Lead in Construction Standard applies to construction-related tasks that impact any detectable level of lead. During demolition activities, we recommend that the contractor take precautions and follow health and safety guideline, since all painted surfaced within the project area are considered to contain detectable levels of lead. EHSI recommends that the provided XRF analytical data be used in conjunction with other applicable (e.g., air monitoring) data to evaluate the potential for elevated occupation lead exposures during demolition activities.

Additionally, the EPA Lead Renovation, Repair and Painting (RRP)Program (40 CFR Part 745) applies to child occupied facilities with lead based paint. Projects disturbing lead-based paint in facilities where RRP rules apply require the use of lead-safe certified contractors employing approved work practices to control lead dust and debris.

The following painted coatings or materials at the Site were identified as having detectable concentrations of lead, organized by area. Coatings with lead concentrations equal to or greater than 1.0 mg/cm^2 are additionally noted as being *Lead Based Paint*.

Building 1:

- Brown paint (on wood) *Lead Based Paint*

Building 2:

- Brown paint (on wood) *Lead Based Paint*
- White paint (on wood) *Lead Based Paint*
- Red paint (on concrete)
- Black paint (on wood)

Building 3:

- Brown paint (on wood) *Lead Based Paint*
- Red paint (on concrete)
- Black paint (on wood)

Building 4:

- Black paint (on wood) *Lead Based Paint*
- White paint (on wood)
- Brown paint (on wood) *Lead Based Paint*

Building 5:

- Brown paint (on wood) *Lead Based Paint*
- White paint (on wood)
- Black paint (on wood)

Building 6:

- Brown paint (on wood)

Building 7:

- Gray paint (on wood)

Building 8:

- Brown paint (on wood)
- White paint (on plaster)
- White paint (on wood)

Building 9:

- Brown paint (on wood) *Lead Based Paint*
- White paint (on wood)

3.3 PCBs, Mercury, and Other Regulated Materials

As part of the survey for regulated materials, EHSI quantified the number of light ballasts and prepared an inventory of other installed regulated materials that may classify as universal hazardous wastes or other regulated wastes that would be impacted by the proposed demolition of the buildings on the Site. The materials included in this survey are mercury-containing items such as fluorescent light tubes, HID lighting, and thermostats. All identified magnetic ballasts are assumed to contain PCBs. A similar assumption applies to mercury potentially present within fluorescent lamps and fluorescent light fixtures. Generally, it is not necessary to sample these materials because their presence in buildings represents a future cost for disposal of the facility's installed contents.

The following regulated materials were identified at the Site, organized by area, and are listed in Table 3.

Building 1:

- 1EA: 2'x4' light fixture with two 4' fluorescent light tubes

Building 2:

- 1 EA: CFC-containing refrigerator

Building 3:

- 2 EA: 6" OD Light fixture with one CFL lightbulb
- 1 EA: CFC-containing refrigerator

Building 4:

- 1 EA: CFC-containing refrigerator

Building 5:

- 1 EA: CFC-containing refrigerator

Building 6:

- 2 EA: 6" OD Light fixture with one CFL lightbulb
- 1 EA: CFC-containing refrigerator

Building 7:

- 1 EA: 2' x 8' light fixture with two 8' fluorescent light tubes
- 1 EA: 2' x 4' light fixture with two 4' fluorescent light tubes

Building 8:

- 2 EA: 6" OD Light fixture with one CFL lightbulb
- 1 EA: CFC-containing refrigerator

4.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions and recommendations for each regulated material category are summarized below. A copy of this report must be provided to any contractor bidding and/or conducting work at the Site. The contractor must also retain a copy of this report at the Site during renovation activities.

4.1 Asbestos-Containing Materials

ACM was identified throughout the surveyed area. An asbestos abatement contractor licensed in accordance with WAC 296-62-077 and PSCAA Regulation III, Article 4 must remove all asbestos-containing and asbestos-contaminated building materials prior to renovation.

According to ASHARA (Asbestos School Hazard Abatement Reauthorization) regulations, a project design is not required when developing the renovation phase of the project. However, If a design is developed

for the project, it is required that a credited AHERA project designer assist in determining the appropriate abatement and disposal requirements for the ACM identified herein.

The contractor should also use caution when performing renovation activities within the project areas even after asbestos abatement activities have been conducted. Concealed materials may be encountered during a renovation project. ACM may be located between walls, between pipe flanges, within energized operating building systems, other inaccessible areas, or beyond the limits of this survey.

If additional suspect building materials are identified during renovation activities that were not identified specifically in this report as either ACM or non-ACM, the materials should be treated as ACM until sampled by an AHERA-certified building inspector and proven to not contain asbestos through laboratory analysis.

4.2 Lead Paint

The Washington State Department of Labor and Industries considers any detectable concentration of lead to be a potential hazard during construction activities. EHSI recommends that the contractor use precautions and follow applicable health and safety guidelines when removing materials during asbestos abatement activities, building renovation, or demolition.

For work on building components containing lead or other heavy metals, which may result in personnel exposures, the contractor must assess the hazard. Based on the assessment and previous similar work and exposure monitoring results, the contractor may be required to provide any or all the following for employees per WAC 296-155-176:

- Respiratory protection
- Protective clothing
- Clean change areas
- Clean handwashing facilities
- Biological monitoring to consist of blood sampling and analysis for lead and zinc protoporphyrin levels
- Hazard communication training

Initial employee exposure monitoring must be conducted for each separate task involving the handling of LCP-coated building materials. If 8-hour time-weighted average exposures exceed the action level of 30 micrograms per cubic meter, the contractor must continue to conduct periodic air monitoring at specified intervals and institute medical surveillance and comprehensive training programs. If the OSHA 8-hour time-weighted average permissible exposure limit of 50 micrograms per cubic meter of lead is exceeded, more stringent and additional requirements become effective, such as engineering controls, respiratory protection, regulated work areas, and warning signs in lead work areas.

The general contractor performing renovation or demolition work should be informed of the presence of lead in the project area. All personnel impacting LCP (or other lead-containing materials) should be provided with additional training concerning the health effects of lead, proper work methods, appropriate use of personal protective equipment, and regulations governing lead exposures. Air monitoring to assess lead

exposures should be performed for all personnel involved in the demolition process where LCP may be removed.

Six of the nine buildings surveyed at the site were found to have lead concentrations meeting the EPA / US Department of Housing and Urban Development definition of lead based paint. The EPA Lead Renovation, Repair and Painting Program (RRP, 40 CFR Part 745) applies to child occupied facilities with lead based paint.

A child-occupied facility is a building, or a portion of a building, constructed prior to 1978, visited regularly by the same child, under six years of age, on at least two different days within any week (Sunday through Saturday period), provided that each day's visit lasts at least three hours and the combined weekly visits last at least six hours, and the combined annual visits last at least 60 hours. Child-occupied facilities may be located in public or commercial buildings or in target housing.

Requirements of the RRP program include, but not limited to, the following:

- The use of RRP certified renovation firms
- The use of workers with RRP training
- The use of lead safe work practices

4.3 PCBs, Mercury, and Other Regulated Materials

Some PCB and mercury-containing materials were identified in the buildings on the Site. As a result, handling, recycling, and disposal is required during any proposed demolition project. EHSI has identified the handling, recycling, or disposal requirements for each type of regulated material observed.

4.3.1 PCB Light Ballasts

The Washington State Dangerous Waste Regulation, WAC 173-303, designates that discarded transformers, capacitors, or bushings containing PCBs at concentrations of 2 parts per million or greater be treated as a PCB-containing material. Light ballasts fall under this regulation. Previous regulations dictated that any material with less than 50 parts per million PCBs could be labeled as a non-PCB-containing material. Because of this regulatory change, EHSI recommends that all light ballasts be tracked, removed, managed, and disposed of in an appropriate manner. Ballasts with a label stating “No PCBs” or similar language shall be packaged for recycling by an approved recycling facility.

4.3.2 Mercury

Many fluorescent light tubes, HID lamps, thermostats, and switches contain mercury that is harmful to the environment and human health. EPA and the Washington State Department of Ecology have placed these materials in a special category of dangerous waste known as universal waste. Some of the requirements included within the Standards for Universal Waste Management (WAC 173-303-573) include the following:

- Immediately place lamps showing evidence of leakage, damage, etc. into a container following removal.
- Containerize the materials in closed, structurally sound, and compatible containers. Cardboard containers may be used for indoor storage only.
- Label the container as follows: “Waste Lamps” or “Universal Waste Lamps.”
- Track the length of time since waste lamp generation. Acceptable methods of proof include date on the label, an inventory system, etc.
- Respond immediately to potential releases. If a release occurs, contain the material and determine whether it designates as a dangerous waste.
- Do not dispose of universal waste as general or construction debris.
- Do not crush fluorescent light tubes on the Site. In addition, measures should be taken to prevent breakage of fluorescent light tubes while the light tubes are in transit.
- Provide training to employees on the proper handling and emergency procedures for universal waste lamps.
- Track shipments of universal waste lamps and keep records (invoices, manifests, etc.) for a minimum of 3 years.

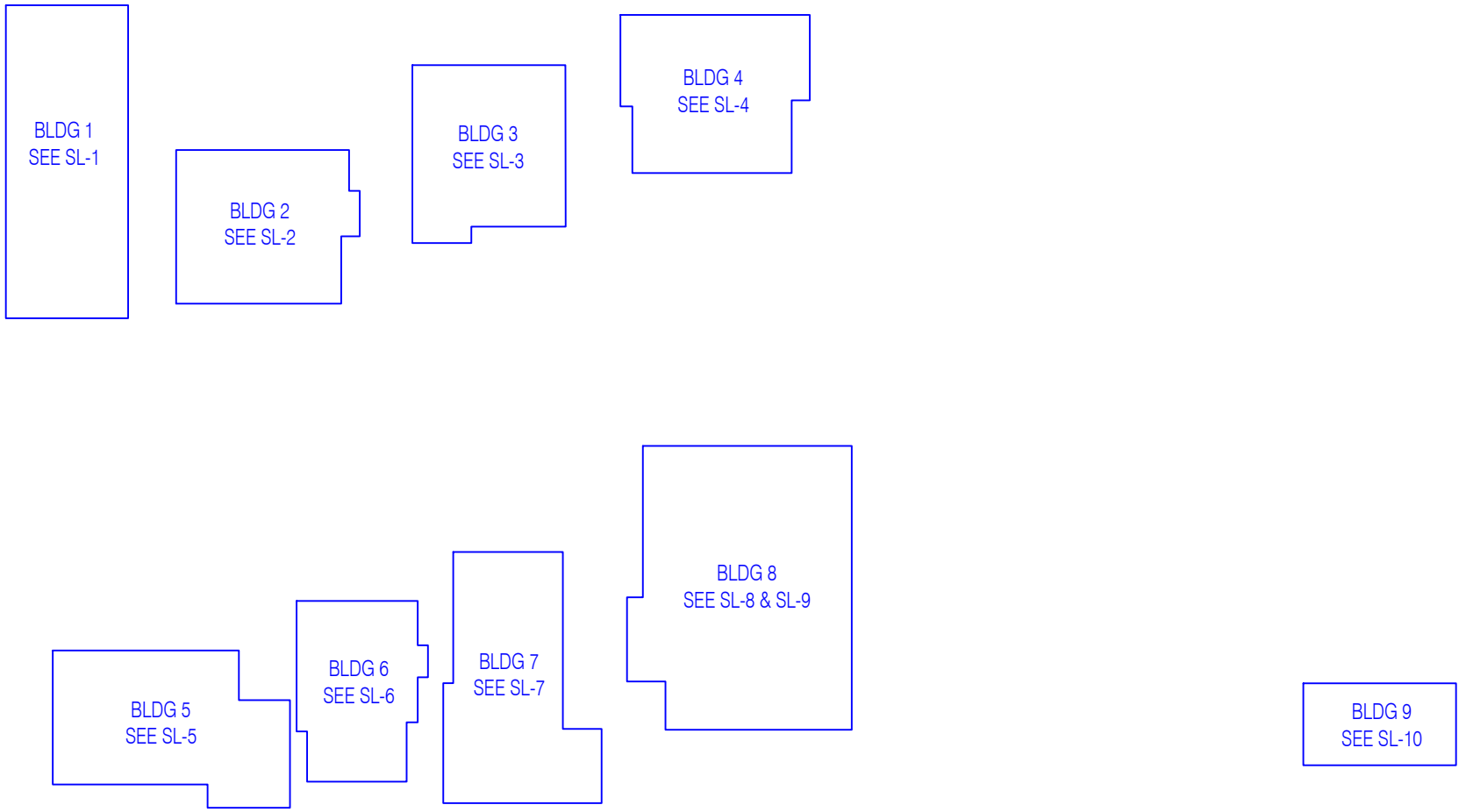
4.3.3 CFC-Containing Items

Installed items containing CFCs, such as refrigerators, water fountains, fire extinguishers, etc. should be removed from the buildings prior to demolition. Items containing CFCs are not permitted to be disposed of as solid waste. EHSI recommends recycling CFC-containing items at an approved facility to help ensure that CFCs and other refrigerants are safely removed from the item prior to disposal.

Figures

GENERAL NOTES:

1. BACKGROUND DRAWING WAS PREPARED BASED ON SKETCHES IN THE FIELD AND IS NOT TO SCALE. EHSI MAKES NO WARRANTY TO THE ACCURACY OF THE BASE DRAWING.



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Fax: 206.254.4279

PROJECT INFO:
LIMITED HAZMAT SURVEY
LAKE FOREST PARK LAKEFRONT IMPROVEMENTS
17345 & 17347 BEACH DRIVE NE
LAKE FOREST PARK, WA
DCG/WATERSHED INC
SEATTLE, WA

SURVEY DATES: 02/28/24

PROJECT MANAGER: M. GLADDEN

DRAWN BY: F. DIMALANTA

INSPECTORS: M. GLADDEN, M. MACFARLANE

LEGEND:

DRAWING TITLE: OVERALL PLAN

ISSUE DATE: 03/13/2024

SCALE: NTS

EHSI PROJECT #: 11720

SHEET: SL-0

GENERAL NOTES:

1. DRAWING IS SCHEMATIC AND NOT TO SCALE, AND SAMPLE LOCATIONS ARE APPROXIMATE.
2. REFER TO REPORT FOR MORE INFORMATION ABOUT SAMPLES COLLECTED.
3. BACKGROUND DRAWING IS BASED ON SKETCHES PREPARED IN THE FIELD AND IS NOT TO SCALE. EHSI MAKES NO WARRANTY TO THE ACCURACY OF THE BASE DRAWING.

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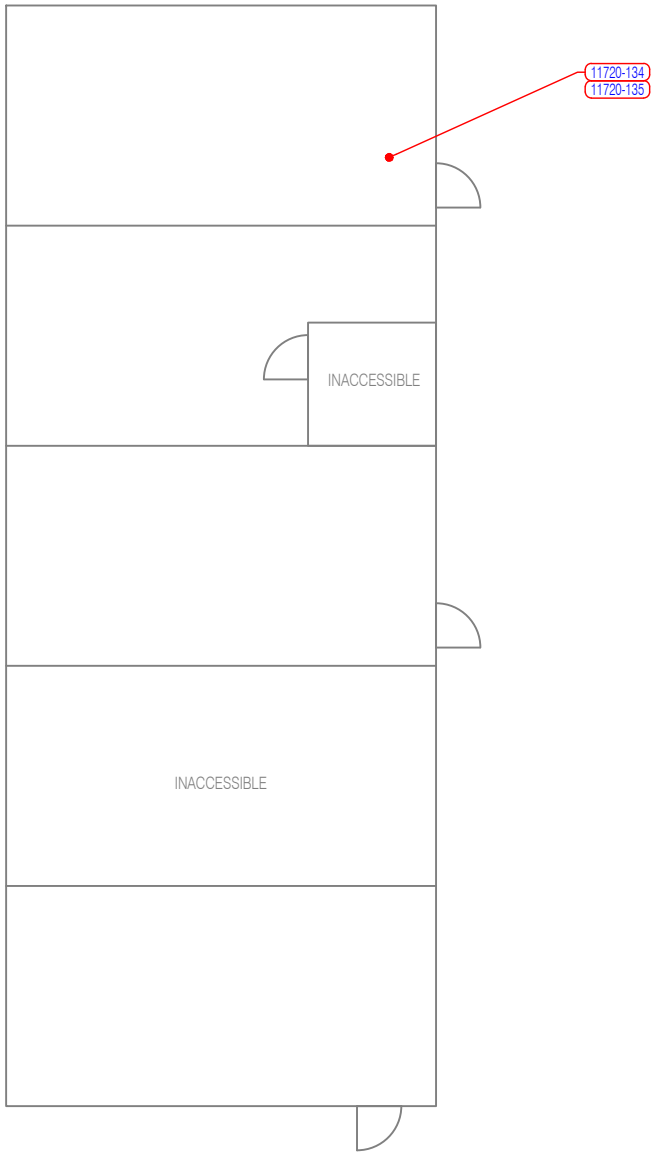

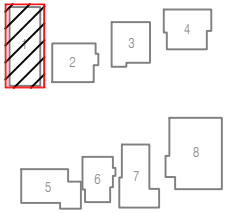

KEY PLAN

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Fax: 206.254.4279

PROJECT INFO:
LIMITED HAZMAT SURVEY
LAKE FOREST PARK LAKEFRONT IMPROVEMENTS
17345 & 17347 BEACH DRIVE NE
LAKE FOREST PARK, WA
DCG/WATERSHED INC
SEATTLE, WA

SURVEY DATES: 02/28/24

PROJECT MANAGER: M. GLADDEN

DRAWN BY: F. DIMALANTA

INSPECTORS: M. GLADDEN, M. MACFARLANE

LEGEND: 11720-XX BULK ASBESTOS SAMPLE LOCATIONS

DRAWING TITLE: BLDG 1 STREET SIDE CARPORTS FLOOR PLAN

ISSUE DATE: 03/13/2024

SCALE: NTS

EHSI PROJECT #: 11720

SHEET: SL-1

GENERAL NOTES:

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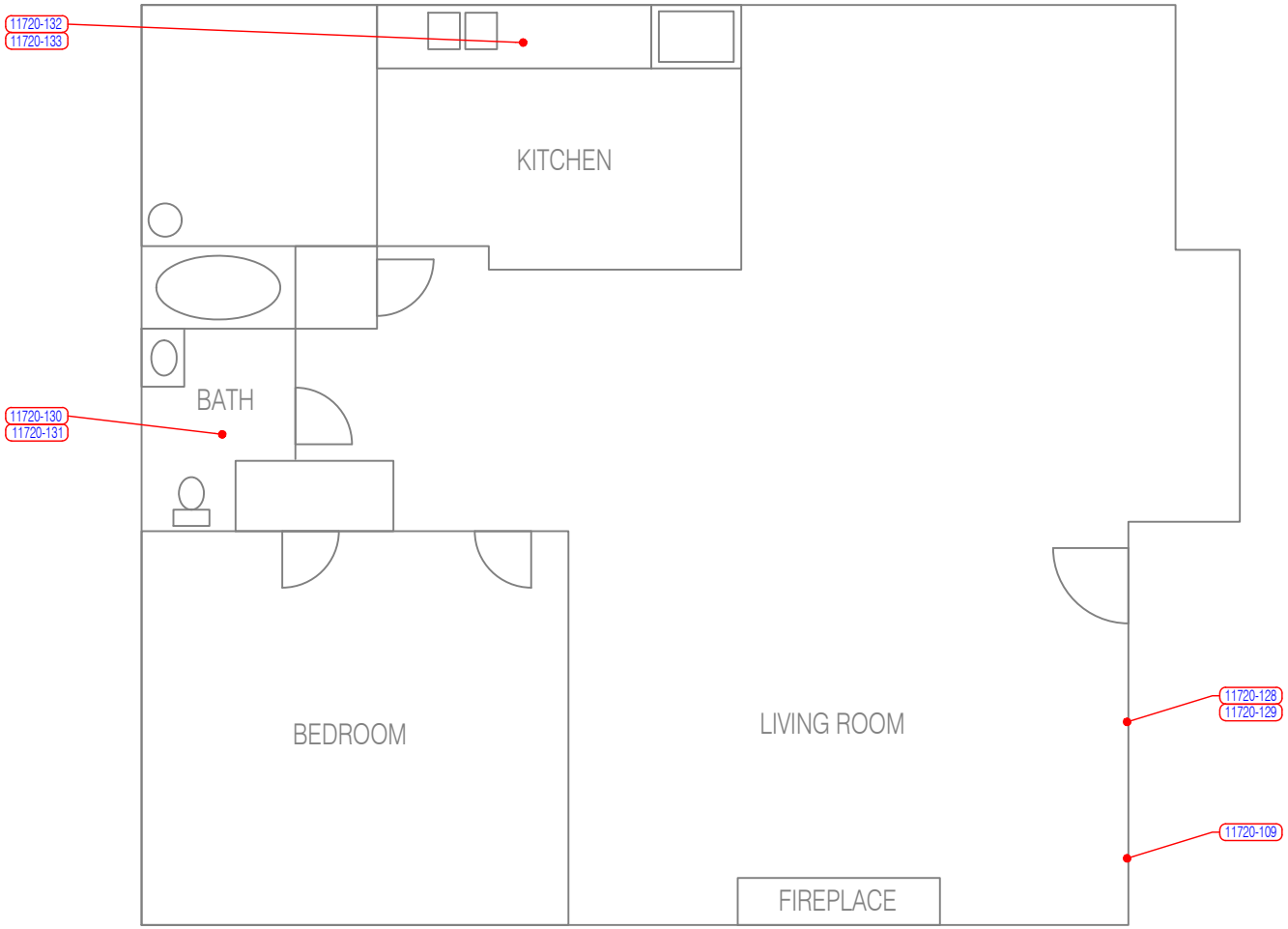

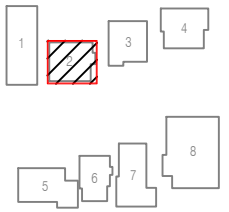

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17345 & 17347 BEACH DRIVE NE
LAKE FOREST PARK, WA
DCG/WATERSHED INC
SEATTLE, WA

SURVEY DATES: 02/28/24

PROJECT MANAGER: M. GLADDEN

DRAWN BY: F. DIMALANTA

INSPECTORS: M. GLADDEN, M. MACFARLANE

LEGEND: 11720-XX BULK ASBESTOS SAMPLE LOCATIONS

DRAWING TITLE: BLDG 2 ONE BEDROOM CABIN FLOOR PLAN

ISSUE DATE: 03/13/2024

SCALE: NTS

EHSI PROJECT #: 11720

SHEET: SL-2

GENERAL NOTES:

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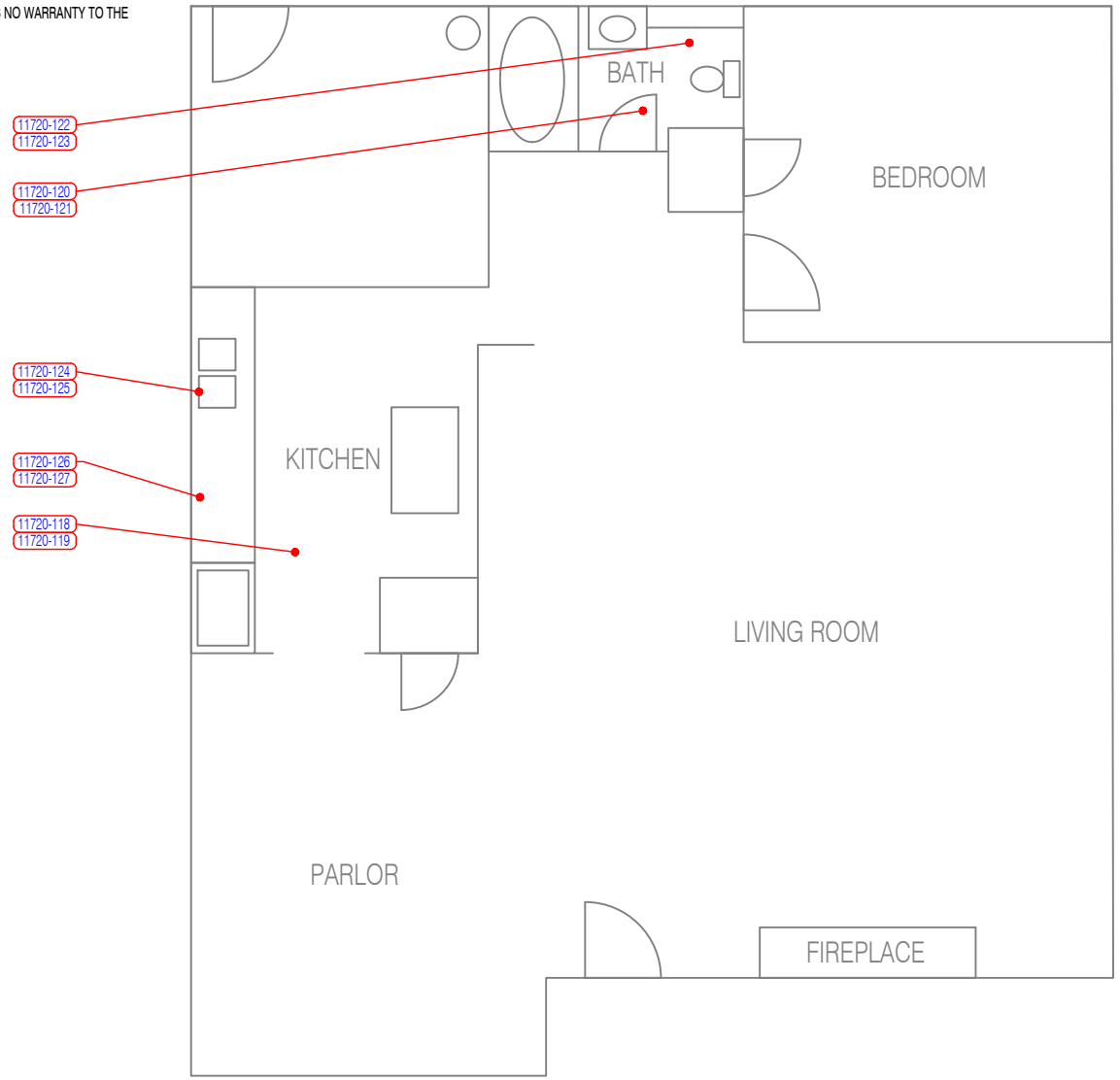

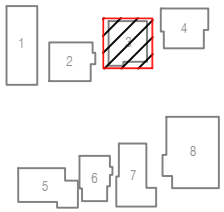

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PROJECT INFO:
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LAKE FOREST PARK LAKEFRONT IMPROVEMENTS
17345 & 17347 BEACH DRIVE NE
LAKE FOREST PARK, WA
DCG/WATERSHED INC
SEATTLE, WA

SURVEY DATES: 02/28/24

PROJECT MANAGER: M. GLADDEN

DRAWN BY: F. DIMALANTA

INSPECTORS: M. GLADDEN, M. MACFARLANE

LEGEND: 11720-XX BULK ASBESTOS SAMPLE LOCATIONS

DRAWING TITLE: BLDG 3 ONE BEDROOM CABIN FLOOR PLAN

ISSUE DATE: 03/13/2024

SCALE: NTS

EHSI PROJECT #: 11720

SHEET: SL-3

GENERAL NOTES:

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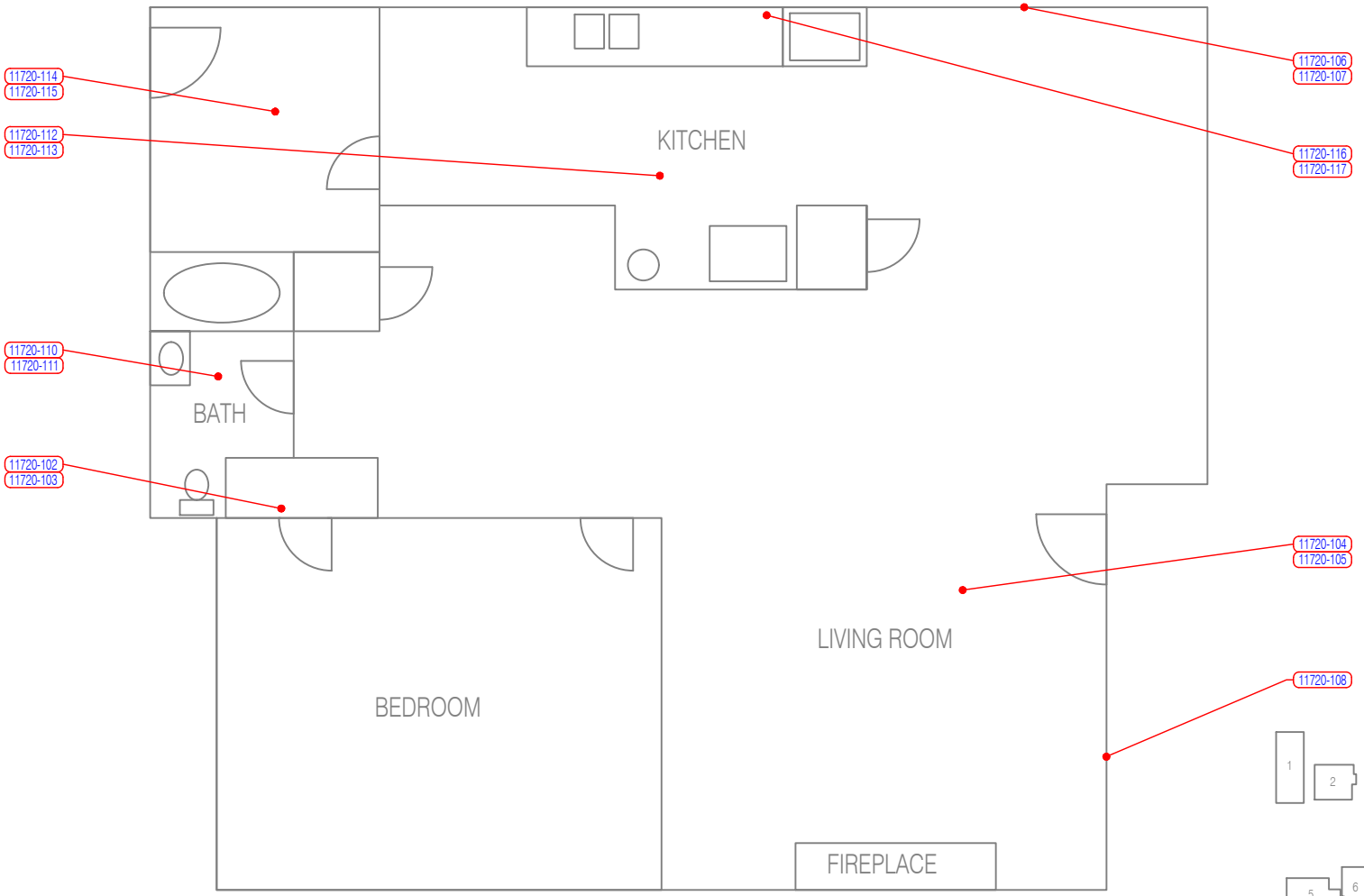

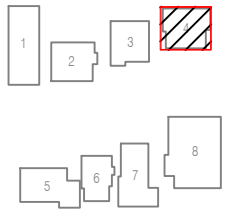

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Fax: 206.254.4279

PROJECT INFO: LIMITED HAZMAT SURVEY LAKE FOREST PARK LAKEFRONT IMPROVEMENTS 17345 & 17347 BEACH DRIVE NE LAKE FOREST PARK, WA DCG/WATERSHED INC SEATTLE, WA	SURVEY DATES: 02/28/24	PROJECT MANAGER: M. GLADDEN DRAWN BY: F. DIMALANTA	INSPECTORS: M. GLADDEN M. MACFARLANE	LEGEND: 11720-XX BULK ASBESTOS SAMPLE LOCATIONS	DRAWING TITLE: BLDG 4 ONE BEDROOM CABIN FLOOR PLAN	ISSUE DATE: 03/13/2024 SCALE: NTS	EHSI PROJECT # 11720 SHEET SL-4

GENERAL NOTES:

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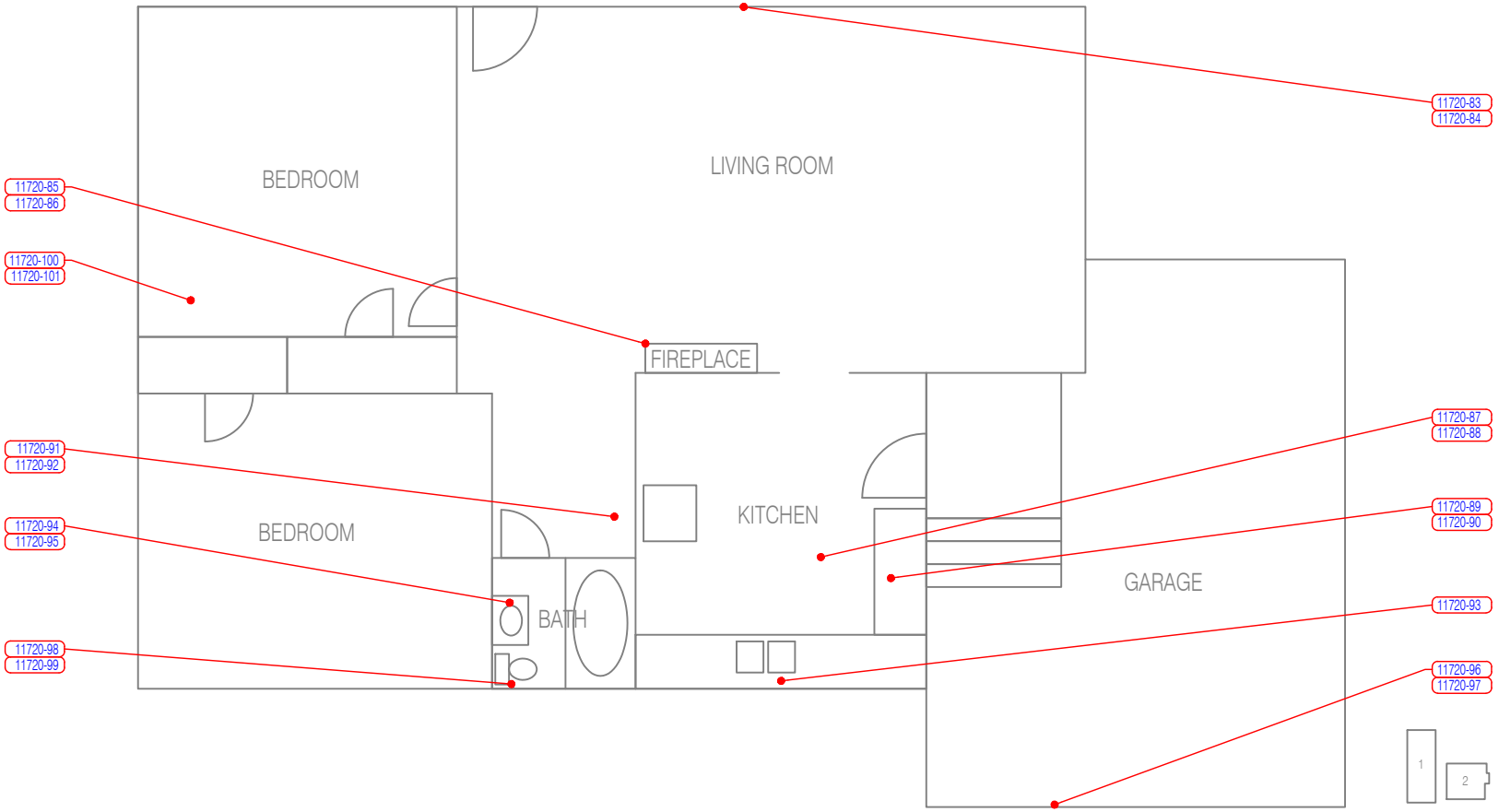

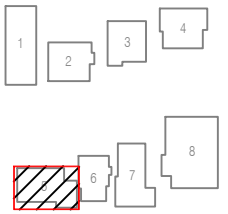

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PROJECT INFO:
LIMITED HAZMAT SURVEY
LAKE FOREST PARK LAKEFRONT IMPROVEMENTS
17345 & 17347 BEACH DRIVE NE
LAKE FOREST PARK, WA
DCG/WATERSHED INC
SEATTLE, WA

SURVEY DATES: 02/28/24

PROJECT MANAGER: M. GLADDEN

DRAWN BY: F. DIMALANTA

INSPECTORS: M. GLADDEN, M. MACFARLANE

LEGEND: 11720-XX BULK ASBESTOS SAMPLE LOCATIONS

DRAWING TITLE: BLDG 5 TWO BEDROOM CABIN FLOOR PLAN

ISSUE DATE: 03/13/2024

SCALE: NTS

EHSI PROJECT #: 11720

SHEET: SL-5

GENERAL NOTES:

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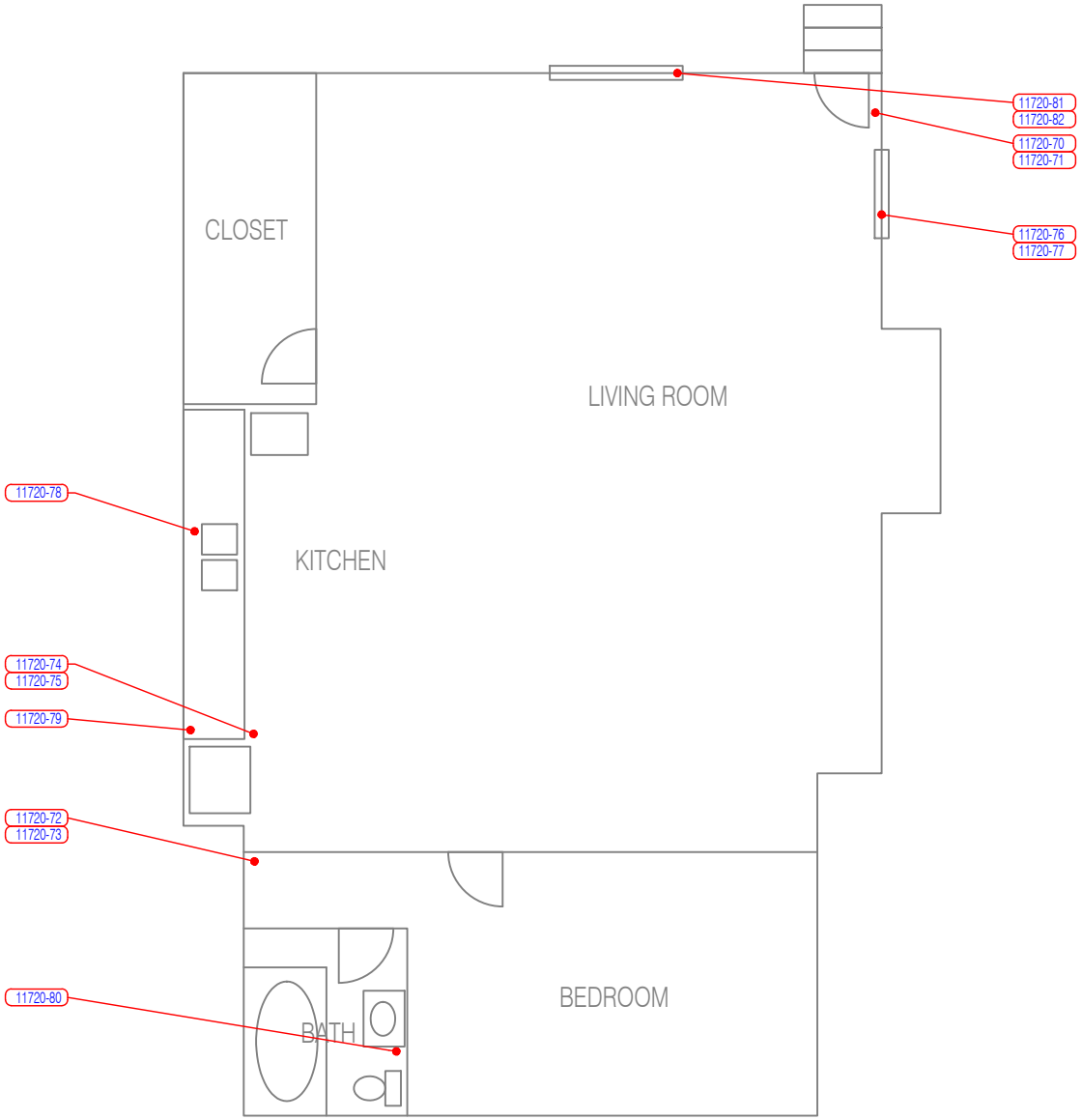

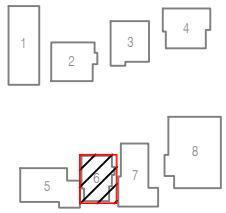

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ehsi A Subsidiary of Soundview Strategies 1011 SW Klickitat Way, Suite 104 Seattle, Washington 98134 Ph: 206.381.1128 Fax: 206.254.4279	PROJECT INFO: LIMITED HAZMAT SURVEY LAKE FOREST PARK LAKEFRONT IMPROVEMENTS 17345 & 17347 BEACH DRIVE NE LAKE FOREST PARK, WA DCG/WATERSHED INC SEATTLE, WA	SURVEY DATES: 02/28/24	PROJECT MANAGER: M. GLADDEN DRAWN BY: F. DIMALANTA	INSPECTORS: M. GLADDEN M. MACFARLANE	LEGEND: 11720-XX BULK ASBESTOS SAMPLE LOCATIONS	DRAWING TITLE: BLDG 6 ONE BEDROOM CABIN FLOOR PLAN	ISSUE DATE: 03/13/2024 SCALE: NTS	EHSI PROJECT # 11720 SHEET SL-6

GENERAL NOTES:

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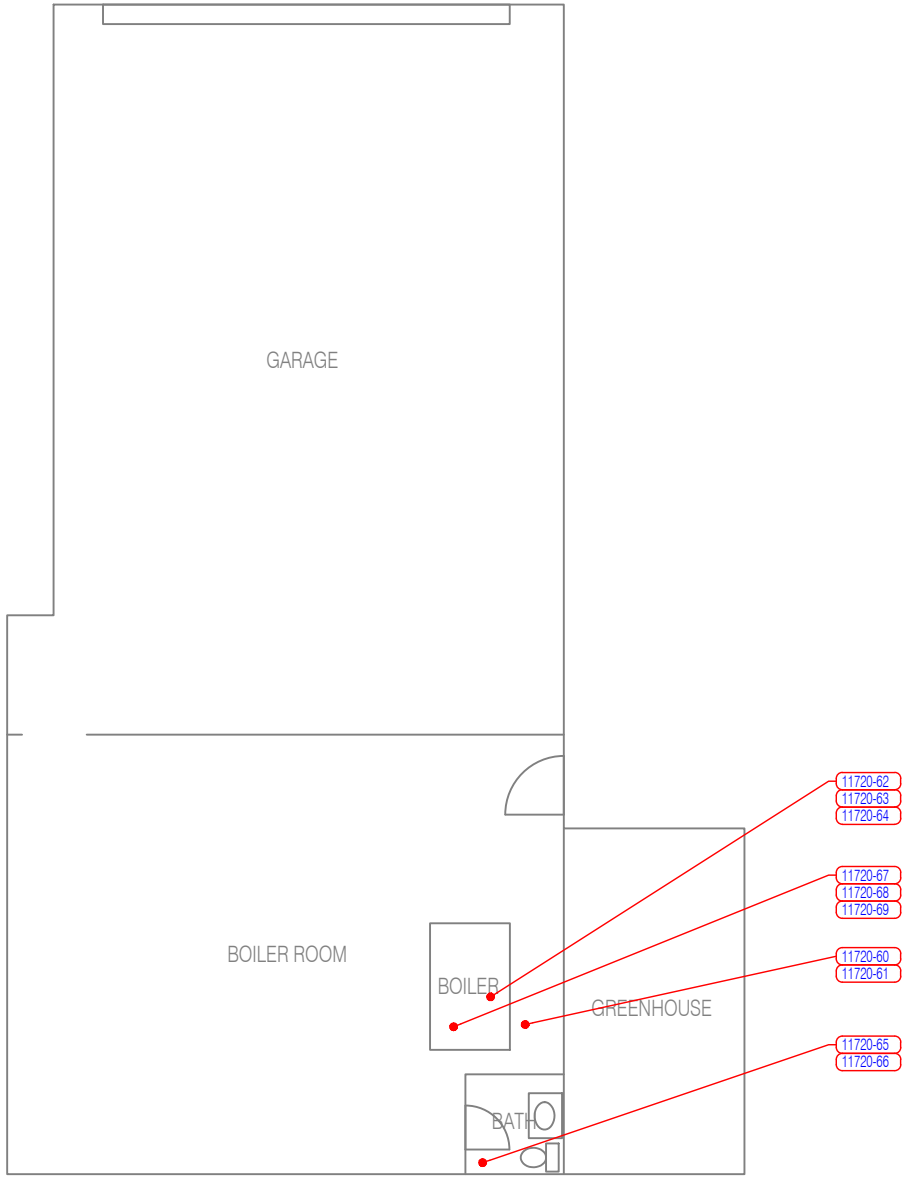

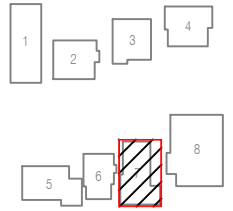

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PROJECT INFO:
LIMITED HAZMAT SURVEY
LAKE FOREST PARK LAKEFRONT IMPROVEMENTS
17345 & 17347 BEACH DRIVE NE
LAKE FOREST PARK, WA
DCG/WATERSHED INC
SEATTLE, WA

SURVEY DATES: 02/28/24

PROJECT MANAGER: M. GLADDEN

DRAWN BY: F. DIMALANTA

INSPECTORS: M. GLADDEN, M. MACFARLANE

LEGEND: 11720-XX BULK ASBESTOS SAMPLE LOCATIONS

DRAWING TITLE: BLDG 7 GARAGE / MECHANICAL FLOOR PLAN

ISSUE DATE: 03/13/2024

SCALE: NTS

EHSI PROJECT #: 11720

SHEET: SL-7

GENERAL NOTES:

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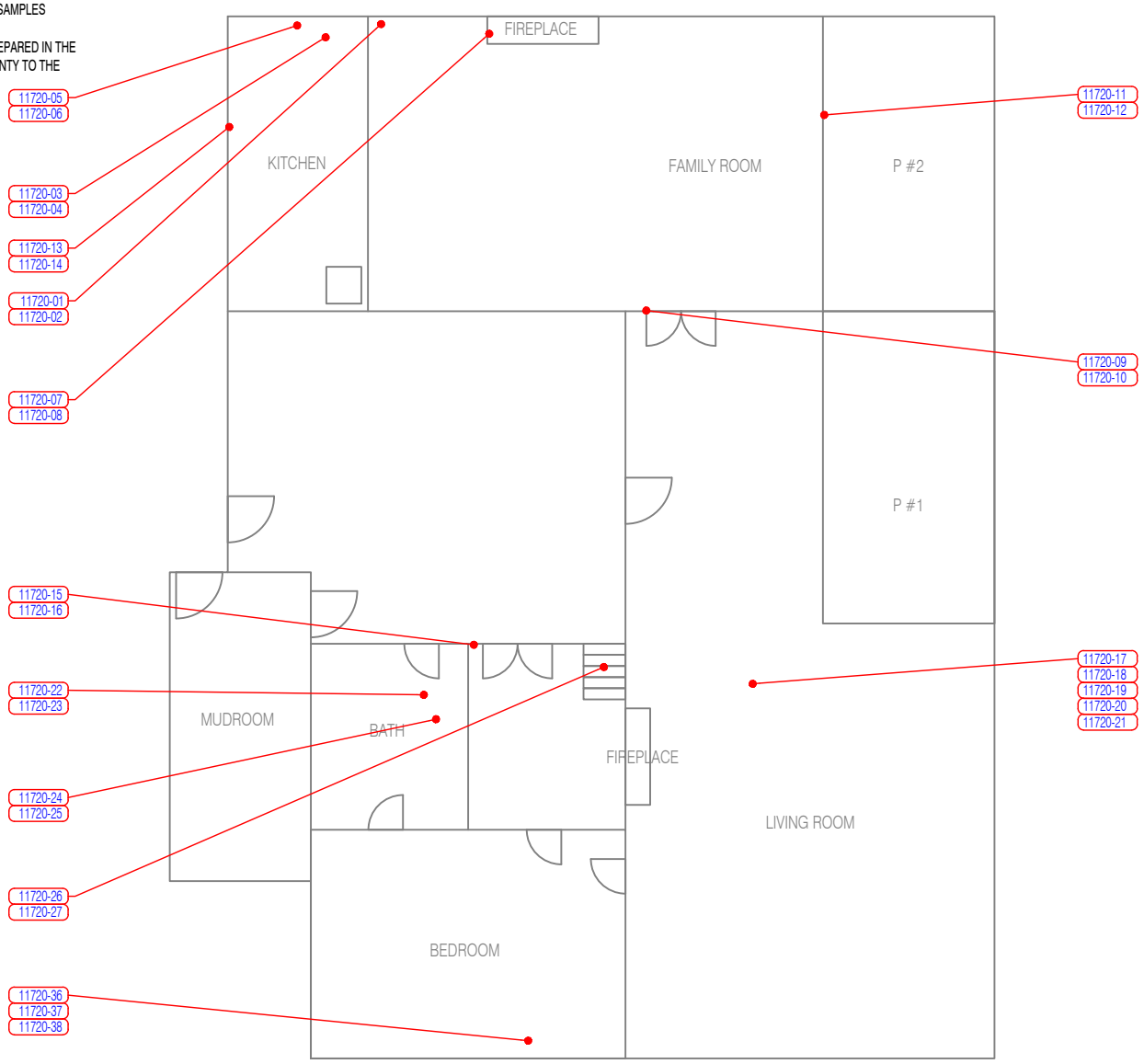

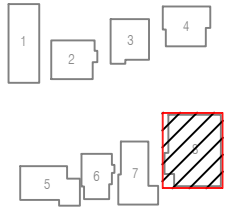

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Fax: 206.254.4279

PROJECT INFO:	LIMITED HAZMAT SURVEY LAKE FOREST PARK LAKEFRONT IMPROVEMENTS 17345 & 17347 BEACH DRIVE NE LAKE FOREST PARK, WA DCG/WATERSHED INC SEATTLE, WA
SURVEY DATES:	02/28/24
PROJECT MANAGER:	M. GLADDEN
DRAWN BY:	F. DIMALANTA
INSPECTORS:	M. GLADDEN M. MACFARLANE
LEGEND:	11720-XX BULK ASBESTOS SAMPLE LOCATIONS
DRAWING TITLE:	BLDG 8 MAIN HOUSE 1st FLOOR PLAN
ISSUE DATE:	03/13/2024
SCALE:	NTS
EHSI PROJECT #	11720
SHEET	SL-8

GENERAL NOTES:

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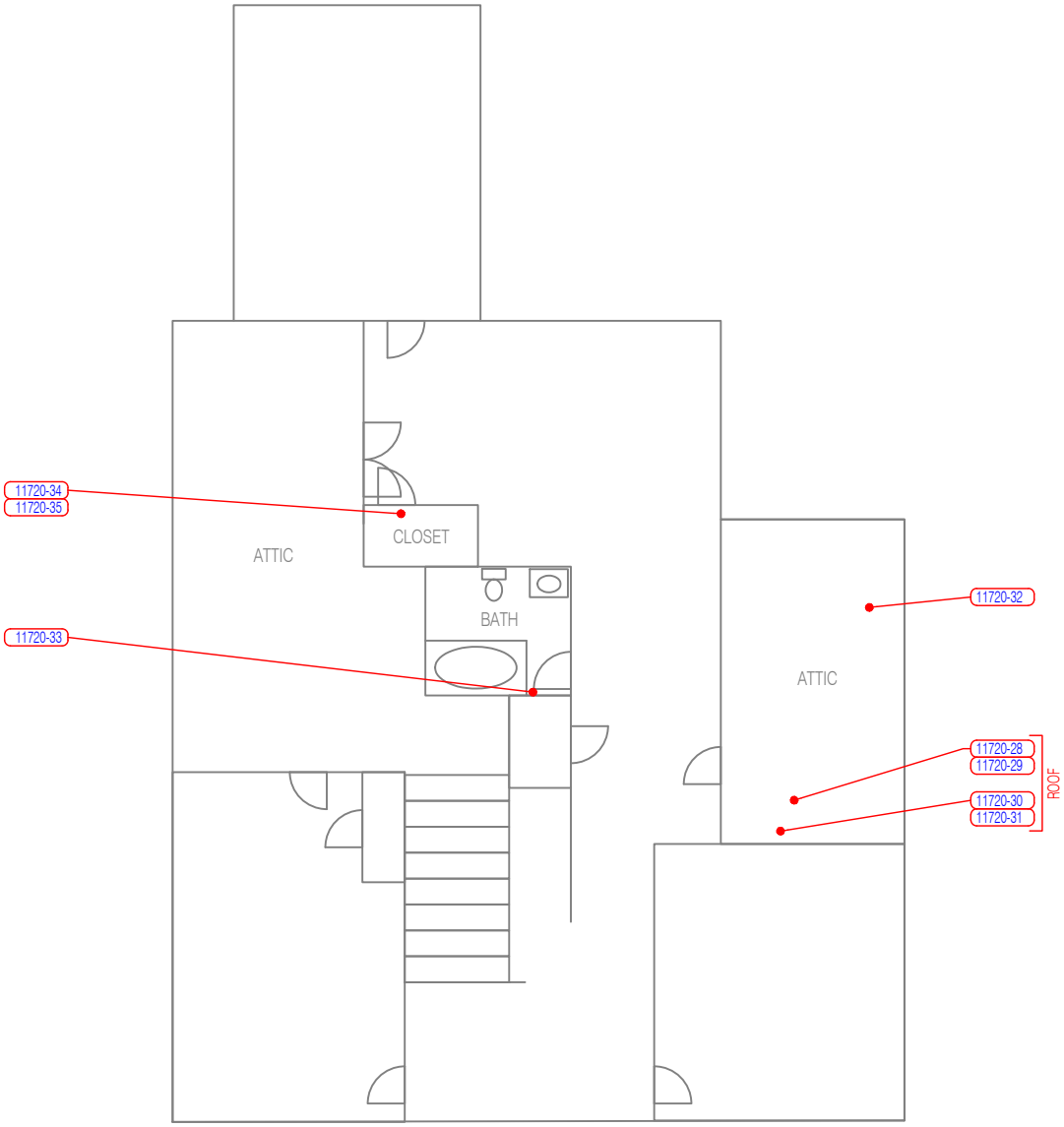

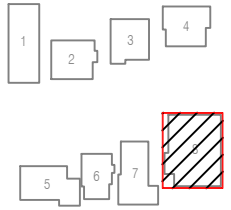

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PROJECT INFO:
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LAKE FOREST PARK LAKEFRONT IMPROVEMENTS
17345 & 17347 BEACH DRIVE NE
LAKE FOREST PARK, WA
DCG/WATERSHED INC
SEATTLE, WA

SURVEY DATES: 02/28/24

PROJECT MANAGER: M. GLADDEN

DRAWN BY: F. DIMALANTA

INSPECTORS: M. GLADDEN, M. MACFARLANE

LEGEND: 11720-XX BULK ASBESTOS SAMPLE LOCATIONS

DRAWING TITLE: BLDG 8 MAIN HOUSE 2nd FLOOR PLAN

ISSUE DATE: 03/13/2024

SCALE: NTS

EHSI PROJECT #: 11720

SHEET: SL-9

GENERAL NOTES:

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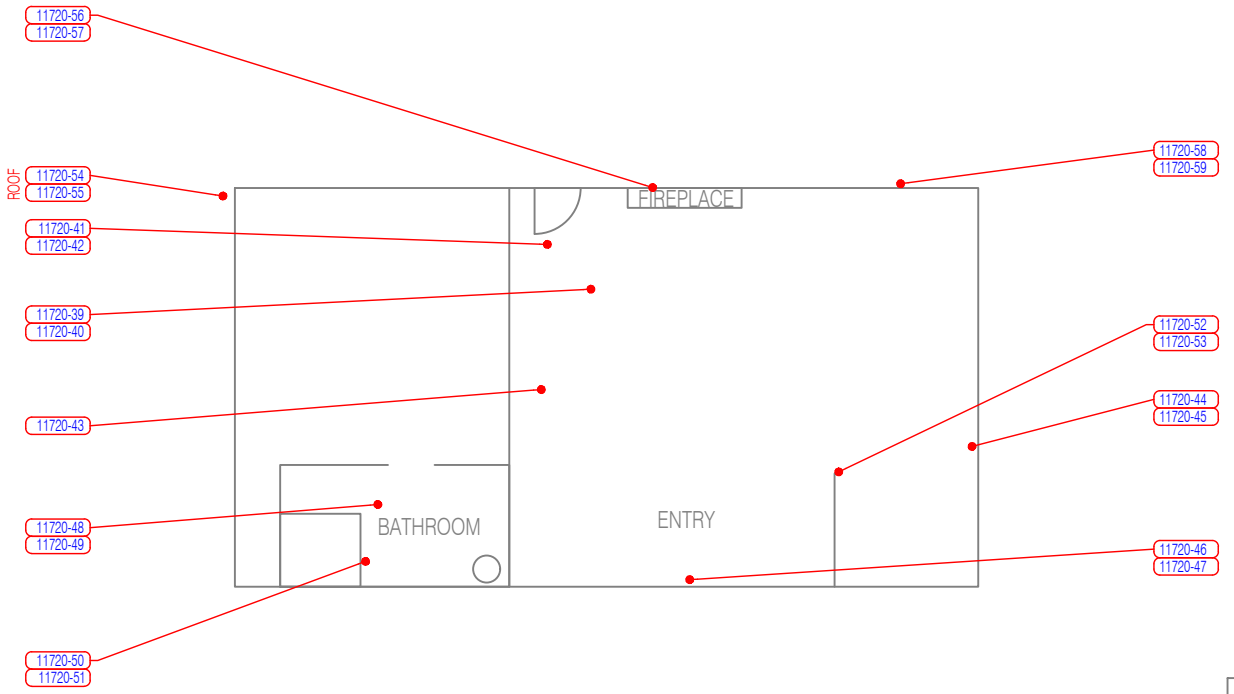

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Tables

Table 1
Summary of Asbestos Bulk Sampling and Analytical Results
Lake Forest Park - Lake Front Improvements
17345 and 17347 Beach Dr. NE
Lake Forest Park, Washington
EHSI Project No.: 11720

Sample Number	Floor	HSA Location	Sample Description	Result	Quantity	Unit	Material Type	Friable/ Non-Friable
Building 8								
11720-01 11720-02	1	Kitchen	White laminate countertop on clear mastic (on wood)	ND (all layers)	200	SF	Misc.	NF
11720-03 11720-04	1	Kitchen Closet	12"x12" Beige ceramic floor tile on grout (on concrete)	ND (all layers)	300	SF	Misc.	NF
11720-05 11720-05QA 11720-06	**1**	**Kitchen Closet**	**Beige joint compound** on GWB	**3% Chrysotile**	**1,500**	**SF**	**Misc.**	**F**
11720-07 1172-08	1	Living Room	Red fireplace brick on gray mortar	ND (all layers)	80	SF	Misc.	NF
11720-09 11720-10	1	Dining Room Fire Place, Building Interior and Exterior	Red brick on light gray mortar	ND (all layers)	4,500	SF	Misc.	NF
11720-11 11720-11QA 11720-12	**1**	**Living Room Interior - Northwest**	**White interior window glazing** (on 9'x11' metal frame window)	**4% Chrysotile**	**300**	**LF**	**Misc.**	**F**
11720-13 11720-14	1	Kitchen interior - West	Black interior window caulking (on 5'x3' metal frame window)	ND	120	LF	Misc.	NF
11720-15 11720-16	1	Entryway	Brown laminate flooring on wood	ND (all layers)	350	SF	Misc.	NF
11720-17 11720-18 11720-19 11720-20 11720-21 11720-21QA	1-2	Throughout	White ceiling and wall texture on lathe and plaster (on wood frame)	ND (all layers)	3,800	SF	Surfacing	F
11720-22 11720-23	1	Entryway Bathroom	Brown and white terrazzo ceramic floor tile (on wood)	ND (all layers)	320	SF	Misc.	NF
11720-24 11720-25	**1**	**Entryway Bathroom**	4"x4" cream ceramic tile with **gray grout** (on plaster)	**4% Chrysotile**	**200**	**SF**	**Misc.**	**NF**
11720-26 11720-27	1-2	Throughout	Black subfloor vapor barrier	ND	3,000	SF	Misc.	F
11720-28 11720-29	2	Closet/Attic - West	Black paper backing on fiberglass insulation	ND (all layers)	600	SF	Misc.	F
11720-30 11720-31	Roof	Roof Exterior	Black tri-tab roofing system on vapor barrier (on wood)	ND	1,800	SF	Misc.	NF
11720-32	2	Attic - East	Yellow pebble SV on mastic (on wood)	ND (all layers)	25	SF	Misc.	NF

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Summary of Asbestos Bulk Sampling and Analytical Results
Lake Forest Park - Lake Front Improvements
17345 and 17347 Beach Dr. NE
Lake Forest Park, Washington
EHSI Project No.: 11720

Sample Number	Floor	HSA Location	Sample Description	Result	Quantity	Unit	Material Type	Friable/ Non-Friable
11720-33	2	Hallway Bathroom	White and black patterned ceramic floor tile (on wood)	ND (all layers)	150	SF	Misc.	NF
11720-34 11720-35	2	Closet - North	Hardwood floor squeak sheet	ND	3,000	SF	Misc.	F
11720-36 11720-37 11720-38 11720-60 11720-60QA 11720-61	**Crawl space**	**Crawl Space - East, Garage Building**	**TSI** (on 3" OD metal hot water piping)	**44% Chrysotile**	**300**	**LF**	**TSI**	**F**
Assumed	**Throughout**	**Throughout**	**Assumed ACM cloth insulated electrical wiring**	**Assumed**	**1,500**	**LF**	**Misc.**	**NF**
Building 9								
11720-39 11720-40	**1**	**Main Floor**	**9"x 9" Brown VFT** on black mastic (on wood)	**9% Chrysotile**	**800**	**SF**	**Misc.**	**NF**
11720-41 11720-42 11720-42QA	**1**	**Main Floor**	White grid pattern SV on brown mastic on **dark red/brown VFT** (on wood)	**5% Chrysotile**	**20**	**SF**	**Misc.**	**NF**
11720-43	1	Main Floor	White leveling compound (on wood)	ND (all layers)	50	SF	Misc.	NF
11720-44 11720-45	**1**	**Shower Area**	2"x2" Olive ceramic tile on **yellow mastic** on black mastic and 4"x4" white ceramic tile on **yellow brittle mastic** (on wood)	**2% Chrysotile**	**10**	**SF**	**Misc.**	**NF**
11720-46 11720-47	1	Throughout	Black vapor barrier (on wood frame)	ND	1,000	SF	Misc.	F
11720-48 11720-49	**1**	**Bathroom**	12"x12" White and black VFT on **brown mastic** (on wood)	**46% Chrysotile**	**30**	**SF**	**Misc.**	**NF**
11720-50 11720-51	**1**	**Bathroom**	4"x4" White ceramic tile on gray grout on **brown mastic** (on wood paneling)	**4% Chrysotile**	**40**	**SF**	**Misc.**	**NF**
11720-52 11720-53	1	Throughout	Joint compound on GWB	ND	10	SF	Misc.	F
11720-54 11720-55	Roof	Roof Exterior	Tri-tab roofing system with vapor barrier (on wood, beneath polycarbonate roofing system)	ND (all layers)	1,500	SF	Misc.	NF
11720-56 11720-57	1	Fire Place Exterior	Red fireplace brick on light gray mortar	ND (all layers)	150	SF	Misc.	NF
11720-58 11720-59	1	Building Exterior	Black paper on white exterior window glazing (on metal framd window)	ND	400	LF	Misc.	F
Assumed	**1**	**Throughout**	**Assumed ACM cloth insulated electrical wiring**	**Assumed**	**400**	**LF**	Misc.	**NF**
Building 7								

Table 1
Summary of Asbestos Bulk Sampling and Analytical Results
Lake Forest Park - Lake Front Improvements
17345 and 17347 Beach Dr. NE
Lake Forest Park, Washington
EHSI Project No.: 11720

Sample Number	Floor	HSA Location	Sample Description	Result	Quantity	Unit	Material Type	Friable/ Non-Friable
11720-62 11720-63 11720-64	**1**	**Garage**	**Blue and white mudded elbows** (on 4" OD metal boiler piping)	**12% Chrysotile 5% Amosite**	**5**	**EA**	**TSI**	**F**
11720-65 11720-66	1	Garage	Joint compound on GWB	ND	3,500	SF	Misc.	F
11720-67 11720-68 11720-69	**1**	**Garage**	**TSI lining** (on boiler interior)	**85% Chrysotile**	**10**	**SF**	**TSI**	**F**
Assumed	**1**	**Garage**	**Assumed ACM cloth insulated electrical wiring**	**Assumed**	**500**	**LF**	**Misc.**	**NF**
Building 6								
11720-70 11720-71 11720-71QA	**1**	**Living Room**	**9"x 9" Red VFT on black mastic** (on wood)	**5% Chryostile <1% Chrysotile**	**350**	**SF**	**Misc.**	**NF**
11720-72 11720-73	**1**	**Bedroom**	**9"x9" Black VFT** on black mastic (on wood)	**4% Chrysotile**	**100**	**SF**	**Misc.**	**NF**
11720-74 11720-75	1	Kitchen	9"x18" Cream VFT with adhesive strip on leveling compound (on wood)	ND (all layers)	100	SF	Misc.	NF
11720-76 11720-77	**1**	**Living Room**	Red external fireplace brick and gray internal fireplace brick on **ACM mortar**	**4% Chrysotile**	**250**	**SF**	**Misc.**	**NF**
11720-78	1	Kitchen	Gray sink undercoat (on metal sink)	ND	1	EA	Misc.	NF
11720-79	1	Kitchen	Yellow laminate countertop on brown mastic (on wood)	ND (all layers)	40	SF	Misc.	NF
11720-80	1	Bathroom	White and gold speckled laminate countertop on yellow mastic (on wood)	ND (all layers)	5	SF	Misc.	NF
11720-81 11720-82	1	Living Room	White interior window glazing (on 10'x5' wood framed window)	ND	120	LF	Misc.	F
Assumed	**Attic**	**Attic Space - South**	**Assumed ACM vermiculite insulation**	**Assumed**	**200**	**SF**	**Misc.**	**F**
Assumed	**1**	**Throughout**	**Assumed ACM cloth insulated electrical wiring**	**Assumed**	**600**	**LF**	**Misc.**	**NF**
Building 5								
11720-83 11720-84	1	Building Exterior	White exterior window glazing (on wood frame window)	ND	350	LF	Misc.	F
11720-85 11720-86	1	Living Room	Red and gray fireplace brick on gray mortar	ND (all layers)	500	SF	Misc.	NF
11720-87 11720-88	1	Kitchen	9"x 9" White pattern SV on cream SV on beige backing on black fibrous paper on white mastic (on wood)	ND (all layers)	250	SF	Misc.	NF

Table 1
Summary of Asbestos Bulk Sampling and Analytical Results
Lake Forest Park - Lake Front Improvements
17345 and 17347 Beach Dr. NE
Lake Forest Park, Washington
EHSI Project No.: 11720

Sample Number	Floor	HSA Location	Sample Description	Result	Quantity	Unit	Material Type	Friable/ Non-Friable
11720-89 11720-89QA 11720-90	1	Kitchen	White laminate countertop on yellow mastic (on wood)	ND (all layers)	50	SF	Misc.	NF
11720-91 11720-92	**1**	**Bathroom Exterior**	**Dark gray cement board paneling** (on wood)	**31% Chrysotile**	**25**	**SF**	**Misc.**	**NF**
11720-93	1	Kitchen	White fibrous sink gasket on brown fibrous sink gasket (on 4" OD plastic pipe)	ND	1	EA	Misc.	NF
11720-94 11720-95	1	Bathroom	12"x12" gray VFT on clear mastic (on wood)	ND	80	SF	Misc.	NF
11720-96 11720-96QA 11720-97	1	Throughout	Brown vapor barrier	ND	1,000	SF	Misc.	F
11720-98 11720-98QA 11720-99	1	Bathroom	Gray shower paneling on brown mastic (on wood)	ND (all layers)	50	SF	Misc.	NF
11720-100 11720-101	1	Throughout	Hardwood floor squeak sheet	ND (all layers)	1,200	SF	Misc.	NF
11720-102 11720-102QA 11720-103	1	Bathroom	Dark gray backsplash paneling on tan mastic (on wood)	ND (all layers)	30	SF	Misc.	NF
Assumed	**1**	**Throughout**	**Assumed ACM cloth insulated electrical wiring**	**Assumed**	**600**	**LF**	**Misc.**	**NF**
Building 4								
11720-104 11720-105 11720-105QA	1	Living Room	Hardwood floor squeak sheet	ND	2,000	SF	Misc.	NF
11720-106 11720-107	1	Building Exterior	White exterior window frame caulking (on wood frame window)	ND	160	LF	Misc.	NF
11720-108 11720-109	Roof	Roof Exterior - Building 2 & 4	Tri-tab asphaltic roofing system (on wood frame)	ND (all layers)	2,000	SF	Misc.	NF
11720-110 11720-111	1	Bathroom	4"x4" yellow pattern SV on brown mastic (on wood)	ND (all layers)	30	SF	Misc.	NF
11720-112 11720-113	1	Kitchen	Beige speckled SV on yellow mastic (on wood)	ND (all layers)	80	SF	Misc.	NF
11720-114 11720-115	1	Laundry Room	White and black tile pattern SV (on wood)	ND (all layers)	25	SF	Misc.	NF
11720-116 11720-117	1	Kitchen	Blue laminate countertop on brown mastic (on wood)	ND (all layers)	15	SF	Misc.	NF
Assumed	**1**	**Throughout**	**Assumed ACM red and gray fireplace brick with mortar**	**Assumed**	**250**	**SF**	**Misc.**	**NF**

Table 1
Summary of Asbestos Bulk Sampling and Analytical Results
Lake Forest Park - Lake Front Improvements
17345 and 17347 Beach Dr. NE
Lake Forest Park, Washington
EHSI Project No.: 11720

Sample Number	Floor	HSA Location	Sample Description	Result	Quantity	Unit	Material Type	Friable/ Non-Friable
Assumed	**1**	**Throughout**	**Assumed ACM cloth insulated electrical wiring**	**Assumed**	**600**	**LF**	**Misc.**	**NF**
Building 3								
11720-118 11720-119	1	Kitchen	Green and yellow linoleum on paper backing on brown mastic (on wood)	ND (all layers)	60	SF	Misc.	NF
11720-120 11720-121	1	Bathroom	12"x12" cream VFT on yellow mastic (on wood)	ND (all layers)	20	SF	Misc.	NF
11720-122 11720-123	1	Bathroom	White and gold speckled laminate countertop on yellow mastic (on wood)	ND (all layers)	5	SF	Misc.	NF
11720-124 11720-124QA 11720-125	1	Kitchen	Yellow speckled SV on white mastic (on wood)	ND (all layers)	6	SF	Misc.	NF
11720-126 11720-127	1	Kitchen	Beige and white hex-pattern laminate countertop on black mastic (on wood)	ND (all layers)	12	SF	Misc.	NF
Assumed	**1**	**Living Room**	**Assumed ACM red and gray fireplace brick with mortar**	**Assumed**	**250**	**SF**	**Misc.**	**NF**
Assumed	**1**	**Throughout**	**Assumed ACM cloth insulated electrical wiring**	**Assumed**	**600**	**LF**	**Misc.**	**NF**
Building 2								
11720-128 11720-129 11720-129QA	1	Living Room	White and black window sealant (on wood frame window)	ND	140	LF	Misc.	NF
11720-130 11720-131	1	Bathroom	3"x3" Beige SV on brown mastic on yellow SV (on wood)	ND (all layers)	20	SF	Misc.	NF
11720-132 11720-133	1	Kitchen	Yellow laminate countertop on clear mastic (on wood)	ND (all layers)	15	SF	Misc.	NF
Assumed	**1**	**Living Room**	**Assumed ACM red and gray fireplace brick with mortar**	**Assumed**	**250**	**SF**	**Misc.**	**NF**
Assumed	**1**	**Throughout**	**Assumed ACM cloth insulated electrical wiring**	**Assumed**	**600**	**LF**	**Misc.**	**NF**
Building 1								
11720-134 11720-135 11720-135QA	1	North Garage Stall	Brown vapor barrier (on wood frame)	ND	1,200	SF	Misc.	F

NOTES:

Bold text indicates sample contains or is assumed to contain detectable levels of asbestos.

< = less than
ACM = asbestos-containing material
EA = each
F = friable
NF = non-friable
Misc. = miscellaneous
OD = outside diameter
SV = sheet vinyl
GWB = gypsum wal
HSA = homogenous
JC = joint compound
LF = linear feet
ND = non-detect
SV = sheet vinyl
SF = square feet
TSI = thermal system insulation

Table 2
Summary of XRF Results
Lake Forest Park - Lake Front Improvements
17345 and 17347 Beach Dr. NE
Lake Forest Park, Washington
EHSI Project No.: 11720

Reading No.	Building	Location	Component	Substrate	Color	Results (mg/cm^2)
3	**8**	**Living Room**	**Paint**	**Plaster**	**White**	**0.17**
4	**8**	**Living Room**	**Paint**	**Plaster**	**White**	**0.24**
5	8	Building Exterior	Paint	Wood	Brown	<LOD
6	**8**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.17**
7	**9**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.61**
8	**9**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.52**
9	**9**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**1.14**
10	**9**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.69**
11	**9**	**Main Floor**	**Paint**	**Wood**	**White**	**0.2**
12	7	Building Exterior	Paint	Wood	Brown	<LOD
13	7	Building Exterior	Paint	Wood	Brown	<LOD
14	7	Building Exterior	Paint	Wood	Brown	<LOD
15	7	Shop	Paint	GWB	White	<LOD
16	**7**	**Shop**	**Paint**	**Wood**	**Gray**	**0.34**
17	**7**	**Shop**	**Paint**	**Wood**	**Gray**	**0.22**
18	**6**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.26**
19	**5**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.18**
20	**5**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.8**
21	**5**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**5**
22	**5**	**Exterior Doorframe**	**Paint**	**Wood**	**Brown**	**5**
23	**5**	**Kitchen**	**Paint**	**Wood**	**White**	**1.06**
24	5	Southwest Bathroom	Paint	Wood	White	<LOD
25	**1**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**4.77**
26	**1**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**5**
27	1	Building Exterior	Paint	Wood	Brown	<LOD
28	**2**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.75**
29	**2**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**0.48**
30	**2**	**Exterior Doorframe**	**Paint**	**Wood**	**Brown**	**4.05**
31	**2**	**Bathroom**	**Paint**	**Wood**	**White**	**1.63**
32	**2**	**Bathroom**	**Paint**	**Wood**	**White**	**0.65**
33	**2**	**Kitchen**	**Paint**	**Wood**	**White**	**0.42**
34	**2**	**Building Exterior**	**Paint**	**Concrete**	**Red**	**0.1**
35	**2**	**Building Exterior**	**Paint**	**Concrete**	**Red**	**0.28**
36	**3**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**1.72**
37	3	Bathroom	Paint	Wood	Orange	<LOD
38	3	Bathroom	Paint	Wood	Orange	<LOD
39	3	Bathroom	Paint	Wood	Orange	<LOD
40	**3**	**Building Exterior**	**Paint**	**Concrete**	**Red**	**0.31**
41	**3**	**Building Exterior**	**Paint**	**Wood**	**Black**	**0.94**
42	**3**	**Building Exterior**	**Paint**	**Wood**	**Black**	**0.06**
43	**2**	**Building Exterior**	**Paint**	**Wood**	**Black**	**0.06**
44	**4**	**Building Exterior**	**Paint**	**Wood**	**Black**	**0.79**

Table 2
Summary of XRF Results
Lake Forest Park - Lake Front Improvements
17345 and 17347 Beach Dr. NE
Lake Forest Park, Washington
EHSI Project No.: 11720

Reading No.	Building	Location	Component	Substrate	Color	Results (mg/cm^2)
45	**4**	**Exterior Doorframe**	**Paint**	**Wood**	**Black**	**1.75**
46	**4**	**Bathroom**	**Paint**	**Wood**	**White**	**0.01**
47	4	Bathroom	Paint	Wood	White	<LOD
48	4	Kitchen	Paint	Metal	Blue	<LOD
49	**4**	**Building Exterior**	**Paint**	**Wood**	**Brown**	**1.63**
50	**5**	**Building Exterior**	**Paint**	**Wood**	**Black**	**0.02**
51	6	Building Exterior	Paint	Wood	Black	<LOD

NOTES:

All readings were collected on the Olympus Delta DC-2000 XRF Spectrum Analyzer. Results were collected on February 28, 2024

LOD: Limit of detection 0.01 mg/cm^2

GWB = gypsum wall board

mg/cm^2 = milligrams per square centimeter

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Table 3
Summary of PCB Light Ballasts, Mercury, and Other Regulated Materials Results
Lake Forest Park - Lake Front Improvements
17345 and 17347 Beach Dr. NE
Lake City Park, Washington
EHSI Project No.: 11720

Material Description	Quantity	Fixtures	Light Tubes/Bulbs	Magnetic Ballasts
Building 8				
6" OD light fixture with one CFL lightbulb	2	2	2	2
CFC-containing refrigerator	1	-	-	-
Building 9				
6" OD light fixture with one CFL lightbulb	2	2	2	2
CFC-containing refrigerator	1	-	-	-
Building 7				
2' x 8' light fixture with two 8' fluorescent light tubes	1	1	2	1
2' x 4' light fixture with two 4' fluorescent light tube	1	1	2	1
6" OD light fixture with one CFL lightbulb	2	2	2	2
CFC-containing refrigerator	1	-	-	-
Building 6				
6" OD light fixture with one CFL lightbulb	2	2	2	2
CFC-containing refrigerator	1	-	-	-
Building 5				
6" OD light fixture with one CFL lightbulb	2	2	2	2
CFC-containing refrigerator	1	-	-	-
Building 4				
6" OD light fixture with one CFL lightbulb	2	2	2	2
CFC-containing refrigerator	1	-	-	-
Building 3				
6" OD light fixture with one CFL lightbulb	2	2	2	2
CFC-containing refrigerator	1	-	-	-
Building 2				
6" OD light fixture with one CFL lightbulb	2	2	2	2
CFC-containing refrigerator	1	-	-	-
Building 1				
2' x 4' light fixture with two 4' fluorescent light tubes	1	1	2	1
6" OD light fixture with one CFL lightbulb	2	2	2	2

NOTES:

Magnetic ballasts are assumed to contain polychlorinated biphenyls (PCBs)

- = not applicable

CFL = compact flourescent lamp

CFC = chlorofluorocarbon

OD = outside diameter

Appendix A

AHERA Building Inspector Certifications

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Certificate of Completion

This is to certify that

Marcus Gladden

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

190734
Certificate Number

Instructor: David Welch

Sep 14, 2023 Expires in 1 year.
Date(s) of Training

Exam Score: N/A
(if applicable)

Terracon
Explore with us

- Facilities
- Environmental
- Geotechnical
- Materials

Certificate of Completion

This is to certify that

Matthew Macfarlane

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

190110
Certificate Number

Instructor: David Welch

Jul 13, 2023 Expires in 1 year.

Date(s) of Training

Exam Score: N/A
(if applicable)

Terracon
Explore with us

- Facilities
- Environmental
- Geotechnical
- Materials

Certificate of Completion

This is to certify that

Reese Myers

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

190746
Certificate Number

Instructor: David Welch

Sep 14, 2023 Expires in 1 year.
Date(s) of Training

Exam Score: N/A
(if applicable)

Terracon
Explore with us

- Facilities
- Environmental
- Geotechnical
- Materials

Certificate of Completion

This is to certify that

Dimitri Lominadze

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

189286
Certificate Number

Instructor: Tracy Bockla

May 8, 2023 Expires in 1 year.
Date(s) of Training

Exam Score: N/A
(if applicable)

Terracon
Explore with us

- Facilities
- Environmental
- Geotechnical
- Materials

Appendix B

Photographic Log

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Photo #1**: Samples 11720-05/05QA & 06: Beige joint compound (**on GWB.) **(3% Chrysotile)**
Location: Building 8 Kitchen

Photo #2: **Samples 11720-11/11QA & 12: White interior window glazing** (on 9'x11' metal frame window.) **(4% Chrysotile)**
Location: Building 8 Living Room Interior

Photo #3: **Samples 11720-24 &25:** 4"x4" cream ceramic tile with **gray grout** (on plaster.) **(4% Chrysotile)**
Location: Building 8 Entryway Bathroom

Photo #4: **Sample 11720-36 through 38 & 60/60QA & 61: TSI** (on 3" OD metal hot water piping). **(44% Chrysotile)**
Location: Building 8 Crawl Space and East Garage Building

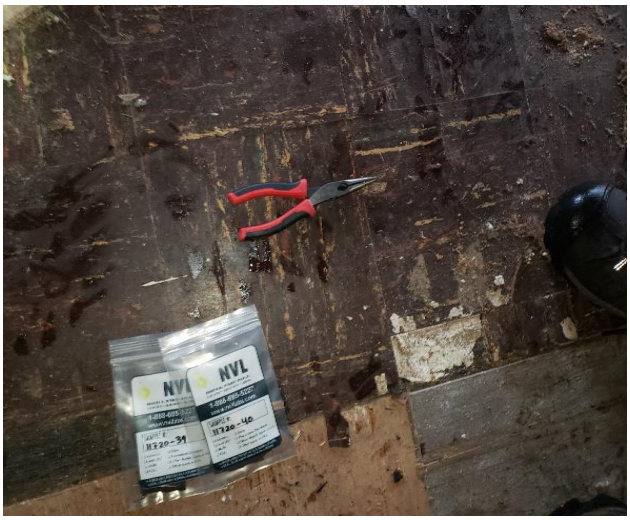

Photo #5: **Samples 11720-39 & 40: 9”x9” Brown VFT** on black mastic (on wood.) **(9% Chrysotile)**
Location: Building 9 Main Floor

Photo #6**: Samples 11720-44 & 45:** 2”x2” Olive ceramic tile on **yellow mastic** on black mastic and 4”x3” white ceramic tile with **yellow mastic** (on wood.) **(2% Chrysotile)**
Location: Building 9 Shower Area

Photo #7: **Samples 11720-48 & 49:** 12”x12” White and black VFT on **brown mastic** (on wood) **(46% Chrysotile)**
Location: Building 9 Bathroom

Photo #8: **Samples 11720-50 & 51:** 4”x4” White ceramic tile on gray grout on **brown mastic** (on wood paneling.) **(4% Chrysotile)**
Location: Building 9 Bathroom

Photo #9: **Samples 11720-62,63 & 64: Blue and white mudded elbows** (on 4" OD metal boiler piping.) **(12% Chrysotile, 5% Amosite)**
Location: Building 7 Garage Area

Photo #10: **Samples 11720-67, 68 & 69: TSI lining** (on boiler interior.) **(85% Chrysotile)**
Location: Building 7 Garage Area

Photo #11: **Samples 11720-70,71/71QA: 9"x9" Red VFT on black mastic** (on wood.) **(5% Chrysotile, <1% Chrysotile)**
Location: Building 6 Living Room

Photo #12: **Samples 11720-72 & 73: 9"x9" Black VFCT** on black mastic (on wood.) **(4% Chrysotile)**
Location: Building 6 Bedroom

Photo #13: **Samples 11720-76 & 77:** Red external fireplace brick and gray internal fireplace brick on **ACM mortar. (4% Chrysotile)**
Location: Building 6 Living Room

Photo #14**: Samples 11720-91 & 92: Dark gray cement board paneling** (on wood.) **(31% Chrysotile)**
Location: Building 5 Bathroom Exterior

Photo #15: **Assumed ACM vermiculite insulation.**
Location: Building 6 Attic Space South

Photo #16: **Assumed ACM cloth insulated electrical wiring.**
Location: Throughout Buildings 2-9

Photo #17: **Assumed ACM red and gray fireplace brick with mortar.**
Location: Throughout Building 2-4

Appendix C

Laboratory Analytical Reports

and

Chain-of-Custody Forms

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March 6, 2024

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Marcus Gladden
EHS-International, Inc.
1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2403582.00

Client Project: 11720
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Dear Mr. Gladden,

Enclosed please find test results for the 45 sample(s) submitted to our laboratory for analysis on 2/28/2024.

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020927 **Client Sample #: 11720-ASB-01**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with white surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose	53%	**None Detected ND**
Layer 2 of 2	**Description:** Thin tan soft mastic with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/Binder, Fine particles, Debris	Cellulose	<1%	**None Detected ND**

Lab ID: 24020928 **Client Sample #: 11720-ASB-02**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with white surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose	55%	**None Detected ND**
Layer 2 of 2	**Description:** Trace tan soft mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/Binder, Fine particles	Cellulose	<1%	**None Detected ND**

Lab ID: 24020929 **Client Sample #: 11720-ASB-03**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown ceramic material with beige surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Ceramic/Binder, Fine grains, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Tan brittle material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles, Mineral grains	None Detected	ND	**None Detected ND**
	Paint			

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020930 **Client Sample #: 11720-ASB-04**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 3	**Description:** Brown ceramic material with beige surface			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder, Fine grains, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Tan brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Mineral grains	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 24020931 **Client Sample #: 11720-ASB-05**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Off-white compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Calcareous particles	Cellulose	42%	**Chrysotile 3%**
Layer 2 of 2	**Description:** Thin white chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Gypsum/Binder, Fine grains, Fine particles	Cellulose	33%	**None Detected ND**

Lab ID: 24020932 **Client Sample #: 11720-ASB-06**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** Off-white compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Calcareous particles, Paint	Cellulose	<1%	**Chrysotile 3%**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 3	**Description:** Off-white compacted powdery material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Calcareous binder, Calcareous particles	Cellulose 41%	**Chrysotile 3%**
Layer 3 of 3	**Description:** White chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Gypsum/Binder, Fine grains, Fine particles	Cellulose 27%	**None Detected ND**

Lab ID: 24020933 **Client Sample #: 11720-ASB-07**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Dark red brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Pale gray brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose <1%	**None Detected ND**
	Mineral grains		

Lab ID: 24020934 **Client Sample #: 11720-ASB-08**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Dark red brittle material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	None Detected ND	**None Detected ND**
Layer 2 of 2	**Description:** Pale gray brittle material with debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose <1%	**None Detected ND**
	Mineral grains, Debris		

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020935 **Client Sample #: 11720-ASB-09**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Thin red ceramic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Beige crumbly brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 24020936 **Client Sample #: 11720-ASB-10**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Thin red ceramic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Beige crumbly brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose	<1%	**None Detected ND**

Lab ID: 24020937 **Client Sample #: 11720-ASB-11**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Comments: Wet sample was dried prior to analysis.

Layer 1 of 1	**Description:** Loose gray crumbly brittle material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose	<1%	**Chrysotile 2%**
	Mineral grains, Debris			

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020938 **Client Sample #: 11720-ASB-12**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Comments: Wet sample was dried prior to analysis.
Layer 1 of 1 **Description:** Loose gray crumbly brittle material with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles, Fine grains	None Detected ND	**Chrysotile 3%**
Mineral grains, Debris		

Lab ID: 24020939 **Client Sample #: 11720-ASB-13**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Layer 1 of 1 **Description:** Gray rubbery material with black and red soft coating

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

Lab ID: 24020940 **Client Sample #: 11720-ASB-14**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Layer 1 of 1 **Description:** Gray rubbery material with thin black and red soft coating

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles, Paint	Cellulose <1%	**None Detected ND**

Lab ID: 24020941 **Client Sample #: 11720-ASB-15**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Layer 1 of 1 **Description:** Brown and green fibrous material with brown mastic and wood debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles, Mastic/Binder	Cellulose 79%	**None Detected ND**
Wood flakes		

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020942 **Client Sample #: 11720-ASB-16**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Beige crumbly vinyl material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Fine particles, Fine grains	Cellulose	27%	**None Detected ND**
Layer 2 of 2	**Description:** Brown and green fibrous backing			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose	75%	**None Detected ND**

Lab ID: 24020943 **Client Sample #: 11720-ASB-17**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Calcareous particles, Paint	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Tan crumbly material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Mineral grains Paint	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Off-white sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Sand	Cellulose	1%	**None Detected ND**

Lab ID: 24020944 **Client Sample #: 11720-ASB-18**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Calcareous particles, Paint	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: **Mr. Marcus Gladden**
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 3	**Description:** Tan crumbly material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Mineral grains	None Detected	ND	**None Detected ND**
	Paint			
Layer 3 of 3	**Description:** Off-white sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Sand	Cellulose	2%	**None Detected ND**

Lab ID: 24020945 **Client Sample #: 11720-ASB-19**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Calcareous particles, Paint	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Tan crumbly material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Mineral grains	Cellulose	<1%	**None Detected ND**
	Paint			
Layer 3 of 3	**Description:** Off-white sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Sand	Cellulose	3%	**None Detected ND**

Lab ID: 24020946 **Client Sample #: 11720-ASB-20**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Calcareous particles, Paint	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Attention: **Mr. Marcus Gladden**
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 3	**Description:** Tan crumbly material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Mineral grains	None Detected	ND	**None Detected ND**
	Paint			
Layer 3 of 3	**Description:** Off-white sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Sand	Cellulose	1%	**None Detected ND**

Lab ID: 24020947 **Client Sample #: 11720-ASB-21**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Calcareous particles, Paint	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Tan crumbly material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Mineral grains	None Detected	ND	**None Detected ND**
	Paint			
Layer 3 of 3	**Description:** Off-white sandy material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Sand	Cellulose	2%	**None Detected ND**
	Debris	Spider silk	<1%	

Lab ID: 24020948 **Client Sample #: 11720-ASB-22**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 2	**Description:** White ceramic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Gray speckled ceramic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 24020949 **Client Sample #: 11720-ASB-23**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Gray speckled ceramic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** White crumbly brittle material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Mineral grains	Cellulose	<1%	**None Detected ND**
	Debris			

Lab ID: 24020950 **Client Sample #: 11720-ASB-24**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 3	**Description:** Off-white ceramic material with off-white surface			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Off-white crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Talc fibers	4%	**Chrysotile 3%**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 3 of 3	**Description:** Off-white rubbery material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Rubber/Binder, Fine particles, Debris	Cellulose	<1%	**None Detected ND**

Lab ID: 24020951 **Client Sample #: 11720-ASB-25**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 3	**Description:** Off-white ceramic material with off-white surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Off-white crumbly material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Talc fibers	4%	**Chrysotile 4%**
	Debris	Spider silk	<1%	
Layer 3 of 3	**Description:** Off-white/beige rubbery material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Rubber/Binder, Fine particles, Debris	Cellulose	<1%	**None Detected ND**

Lab ID: 24020952 **Client Sample #: 11720-ASB-26**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Black asphaltic material with thin black asphaltic mastic and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	60%	**None Detected ND**

Lab ID: 24020953 **Client Sample #: 11720-ASB-27**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 1	**Description:** Black asphaltic material with thin black asphaltic mastic and debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 63%	**None Detected ND**

Lab ID: 24020954 **Client Sample #: 11720-ASB-28**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Black asphaltic fibrous material with black asphaltic mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles	Cellulose 57%	**None Detected ND**
Layer 2 of 2	**Description:** Tan loose fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose 87%	**None Detected ND**

Lab ID: 24020955 **Client Sample #: 11720-ASB-29**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Black asphaltic fibrous material with black asphaltic mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles	Cellulose 55%	**None Detected ND**
Layer 2 of 2	**Description:** Tan loose fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose 86%	**None Detected ND**

Lab ID: 24020956 **Client Sample #: 11720-ASB-30**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Black asphaltic fibrous material with granules and debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Cellulose 31%	**None Detected ND**
	Debris	Spider silk <1%	

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

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

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Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020957 **Client Sample #: 11720-ASB-31**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** Black asphaltic fibrous material with granules and debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Granules	Cellulose 29%	**None Detected ND**
Debris		

Lab ID: 24020958 **Client Sample #: 11720-ASB-32**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2 **Description:** Beige vinyl material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Fine particles, Fine grains	Cellulose 21%	**None Detected ND**

Layer 2 of 2 **Description:** Brown fibrous backing

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 78%	**None Detected ND**

Lab ID: 24020959 **Client Sample #: 11720-ASB-33**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 3 **Description:** Brown ceramic material with white surface

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

Layer 2 of 3 **Description:** White crumbly material

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

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 3 of 3 **Description:** Black crumbly material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 3%	**None Detected ND**

Lab ID: 24020960 **Client Sample #: 11720-ASB-34**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** Tan fibrous material with black asphaltic mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Asphalt/Binder, Asphaltic Particles	Cellulose 77%	**None Detected ND**

Lab ID: 24020961 **Client Sample #: 11720-ASB-35**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** Tan fibrous material with black asphaltic mastic with wood debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Asphalt/Binder, Asphaltic Particles	Cellulose 74%	**None Detected ND**
Wood flakes		

Lab ID: 24020962 **Client Sample #: 11720-ASB-36**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 3 **Description:** Off-white fibrous mesh with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles, Debris	Cellulose 73%	**None Detected ND**

Layer 2 of 3 **Description:** Black asphaltic fibrous material with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 53%	**None Detected ND**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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By Polarized Light Microscopy

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Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 3 of 3	**Description:** Gray layered fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose 70%	**Chrysotile 8%**

Lab ID: 24020963 **Client Sample #: 11720-ASB-37**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 3	**Description:** Off-white fibrous mesh with debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Organic debris	Cellulose 74%	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic fibrous material with debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 53%	**None Detected ND**
Layer 3 of 3	**Description:** Gray layered fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose 68%	**Chrysotile 9%**

Lab ID: 24020964 **Client Sample #: 11720-ASB-38**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 3	**Description:** Off-white fibrous mesh with debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Organic debris	Cellulose 75%	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic fibrous material with debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 54%	**None Detected ND**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Batch #: 2403582.00
Client Project #: 11720
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Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 3 of 3	**Description:** Gray layered fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose 71%	**Chrysotile 8%**

Lab ID: 24020965 **Client Sample #: 11720-ASB-39**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Dark red vinyl tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Fine grains, Fine particles	None Detected ND	**Chrysotile 9%**
Layer 2 of 2	**Description:** Black asphaltic mastic with wood debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Wood flakes	Cellulose <1%	**None Detected ND**

Lab ID: 24020966 **Client Sample #: 11720-ASB-40**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Dark red vinyl tile		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Fine grains, Fine particles	None Detected ND	**Chrysotile 8%**
Layer 2 of 2	**Description:** Black asphaltic mastic with wood debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Wood flakes	Cellulose 1%	**None Detected ND**

Lab ID: 24020967 **Client Sample #: 11720-ASB-41**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** Off-white patterned sheet vinyl		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Batch #: 2403582.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 3	**Description:** Beige fibrous backing with off-white mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles, Mastic/Binder	Cellulose	60%	**None Detected ND**
		Glass fibers	15%	
Layer 3 of 3	**Description:** Dark red vinyl tile			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Fine grains, Fine particles	None Detected	ND	**Chrysotile 6%**

Lab ID: 24020968 **Client Sample #: 11720-ASB-42**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** Off-white patterned sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Beige fibrous backing with off-white mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles, Mastic/Binder	Cellulose	64%	**None Detected ND**
		Glass fibers	13%	
Layer 3 of 3	**Description:** Thin dark red vinyl tile			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Fine grains, Fine particles	None Detected	ND	**Chrysotile 5%**

Lab ID: 24020969 **Client Sample #: 11720-ASB-43**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Off-white crumbly material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose	3%	**None Detected ND**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Batch #: 2403582.00
Client Project #: 11720
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Samples Analyzed: 45
Method: EPA/600/R-93/116

	Debris		
Layer 2 of 2	**Description:** Trace black asphaltic mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles	Cellulose <1%	**None Detected ND**

Lab ID: 24020970 **Client Sample #: 11720-ASB-44**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 6	**Description:** Off-white ceramic tile with beige surface		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected ND	**None Detected ND**
Layer 2 of 6	**Description:** Yellow brittle mastic with white fibrous mesh and debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Fine particles, Debris	Synthetic fibers 15%	**Chrysotile 2%**
		Wollastonite 1%	
Layer 3 of 6	**Description:** Black crumbly material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose <1%	**None Detected ND**
Layer 4 of 6	**Description:** Beige ceramic tile with brown surface		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected ND	**None Detected ND**
Layer 5 of 6	**Description:** Yellow brittle mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Fine particles	Cellulose <1%	**Chrysotile 2%**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 6 of 6	**Description:** Thin gray brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose	<1%	**None Detected ND**

Lab ID: 24020971 **Client Sample #: 11720-ASB-45**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 5	**Description:** Off-white ceramic tile with beige surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 5	**Description:** Yellow brittle mastic with white fibrous mesh and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/Binder, Fine particles, Debris	Synthetic fibers	17%	**Chrysotile 2%**
		Wollastonite	2%	
Layer 3 of 5	**Description:** Black crumbly material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose	<1%	**None Detected ND**
	Debris			
Layer 4 of 5	**Description:** Beige ceramic tile with brown surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Ceramic/Binder, Fine particles, Fine grains	None Detected	ND	**None Detected ND**
Layer 5 of 5	**Description:** Yellow brittle mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/Binder, Fine particles	Wollastonite	2%	**Chrysotile 2%**

Sampled by: Client
Analyzed by: Hilary Crumley **Date:** 03/06/2024
Reviewed by: Kunga Woser **Date:** 03/06/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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ASBESTOS LABORATORY SERVICES

Company	EHS-International, Inc.	**NVL Batch Number**	**2403582.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days **Rush TAT**	**AH** No
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24020927	11720-ASB-01		A
2	24020928	11720-ASB-02		A
3	24020929	11720-ASB-03		A
4	24020930	11720-ASB-04		A
5	24020931	11720-ASB-05		A
6	24020932	11720-ASB-06		A
7	24020933	11720-ASB-07		A
8	24020934	11720-ASB-08		A
9	24020935	11720-ASB-09		A
10	24020936	11720-ASB-10		A
11	24020937	11720-ASB-11		A
12	24020938	11720-ASB-12		A
13	24020939	11720-ASB-13		A
14	24020940	11720-ASB-14		A
15	24020941	11720-ASB-15		A
16	24020942	11720-ASB-16		A
17	24020943	11720-ASB-17		A
18	24020944	11720-ASB-18		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hilary Crumley		NVL	3/6/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:00 PM
Entered By: Kelly AuVu

ASBESTOS LABORATORY SERVICES

Company	EHS-International, Inc.	**NVL Batch Number**	**2403582.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days	**AH** No
		Rush TAT	
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	24020945	11720-ASB-19		A
20	24020946	11720-ASB-20		A
21	24020947	11720-ASB-21		A
22	24020948	11720-ASB-22		A
23	24020949	11720-ASB-23		A
24	24020950	11720-ASB-24		A
25	24020951	11720-ASB-25		A
26	24020952	11720-ASB-26		A
27	24020953	11720-ASB-27		A
28	24020954	11720-ASB-28		A
29	24020955	11720-ASB-29		A
30	24020956	11720-ASB-30		A
31	24020957	11720-ASB-31		A
32	24020958	11720-ASB-32		A
33	24020959	11720-ASB-33		A
34	24020960	11720-ASB-34		A
35	24020961	11720-ASB-35		A
36	24020962	11720-ASB-36		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hilary Crumley		NVL	3/6/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:00 PM
Entered By: Kelly AuVu

ASBESTOS LABORATORY SERVICES

Company	EHS-International, Inc.	**NVL Batch Number**	**2403582.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days	**AH** No
		Rush TAT	
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
37	24020963	11720-ASB-37		A
38	24020964	11720-ASB-38		A
39	24020965	11720-ASB-39		A
40	24020966	11720-ASB-40		A
41	24020967	11720-ASB-41		A
42	24020968	11720-ASB-42		A
43	24020969	11720-ASB-43		A
44	24020970	11720-ASB-44		A
45	24020971	11720-ASB-45		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hilary Crumley		NVL	3/6/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:00 PM
Entered By: Kelly AuVu

2403582

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

ASBESTOS CHAIN OF CUSTODY

Turn Around Time
- ❑ 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: EHS International
Address: 1011 SW Klickatat Way #104
Seattle, WA, 98134
Phone: 206-381-1128

Project Manager: Marcus Gladden
Cell: (206) 819 - 4213
Email: marcusg@ehsintl.com
Fax: ( ) -

Project Name/Number: 11720
Project Location: 17345, 17347 BEACH DRIVE NE LAKE FOREST PARK, WA

- ❑ 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 to marcusg@ehsintl.com, REESEM@EHSINTL.COM
❑ Call ( ) - ❑ Fax ( ) - ☒ Email

Total Number of Samples 135

	Sample ID	Description	A/R
1	11720-ASB-01		
2	11720-ASB-02		
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15	11720-ASB-135		

	Print Name	Signature	Company	Date	Time
Sampled by	Marcus Gladden	Marcus Gladden	EHSI	2/28/24	8:00
Relinquish by	Marcus Gladden	Marcus Gladden	EHSI		15:30

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Rochelle Miller		NVL	2/28/24	1540
Analyzed by					
Called by					
Faxed/Email by					

March 4, 2024

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Marcus Gladden
EHS-International, Inc.
1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2403583.00

Client Project: 11720
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Dear Mr. Gladden,

Enclosed please find test results for the 45 sample(s) submitted to our laboratory for analysis on 2/28/2024.

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020972 **Client Sample #: 11720-ASB-46**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Black asphaltic fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 71%	**None Detected ND**

Lab ID: 24020973 **Client Sample #: 11720-ASB-47**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Black asphaltic fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 73%	**None Detected ND**

Lab ID: 24020974 **Client Sample #: 11720-ASB-48**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 4	**Description:** White vinyl		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	None Detected ND	**None Detected ND**
Layer 2 of 4	**Description:** Clear adhesive		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	None Detected ND	**None Detected ND**
Layer 3 of 4	**Description:** Tan patterned sheet vinyl		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected ND	**None Detected ND**
Layer 4 of 4	**Description:** Gray fibrous backing with mastic and debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Mastic, Debris	Cellulose 27%	**Chrysotile 46%**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020975 **Client Sample #: 11720-ASB-49**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 4	**Description:** White vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 4	**Description:** Clear adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 3 of 4	**Description:** Tan patterned sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**
Layer 4 of 4	**Description:** Gray fibrous backing with mastic and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mastic, Debris	Cellulose	23%	**Chrysotile 41%**

Lab ID: 24020976 **Client Sample #: 11720-ASB-50**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** White brittle tile			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Tan mastic with paint and wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Mastic/Binder, Paint, Debris	Wollastonite	2%	**Chrysotile 3%**

Lab ID: 24020977 **Client Sample #: 11720-ASB-51**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 2	**Description:** White brittle tile			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Tan mastic with paint and wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Mastic/Binder, Paint, Debris	Wollastonite	3%	**Chrysotile 4%**

Lab ID: 24020978 **Client Sample #: 11720-ASB-52**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** White chalky material with paper and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Gypsum/Binder, Binder/Filler, Debris	Cellulose	35%	**None Detected ND**

Lab ID: 24020979 **Client Sample #: 11720-ASB-53**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** White chalky material with paper and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Gypsum/Binder, Binder/Filler, Debris	Cellulose	32%	**None Detected ND**

Lab ID: 24020980 **Client Sample #: 11720-ASB-54**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** Black asphaltic material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	22%	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 3 of 3 **Description:** Black asphaltic material with plastic and debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Plastic	Spider silk	4%	**None Detected ND**
Insect parts, Debris	Cellulose	2%	

Lab ID: 24020981 Client Sample #: 11720-ASB-55

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3 **Description:** Black asphaltic material with granules

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	26%	**None Detected ND**

Layer 2 of 3 **Description:** Black asphaltic mastic with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Spider silk	7%	**None Detected ND**
Insect parts, Fine particles	Cellulose	3%	

Layer 3 of 3 **Description:** Black asphaltic material

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

Lab ID: 24020982 Client Sample #: 11720-ASB-56

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2 **Description:** Red brittle material with debris

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

Layer 2 of 2 **Description:** White crumbly material with debris

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:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020983 **Client Sample #: 11720-ASB-57**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Red brittle material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	Spider silk	4%	**None Detected ND**
Layer 2 of 2	**Description:** White crumbly material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24020984 **Client Sample #: 11720-ASB-58**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Gray crumbly material with coating and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic/Binder, Debris, Fine particles	Synthetic fibers	4%	**None Detected ND**
		Organic fibers	3%	

Lab ID: 24020985 **Client Sample #: 11720-ASB-59**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Gray crumbly material with coating and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic/Binder, Debris, Fine particles	Synthetic fibers	2%	**None Detected ND**
		Organic fibers	<1%	

Lab ID: 24020986 **Client Sample #: 11720-ASB-60**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 3	**Description:** Tan woven fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 66%	**None Detected ND**
Layer 2 of 3	**Description:** Tan compressed fibrous material with clear coating		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 87%	**None Detected ND**
Layer 3 of 3	**Description:** Gray fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 30%	**Chrysotile 41%**

Lab ID: 24020987 **Client Sample #: 11720-ASB-61**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** Tan woven fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 68%	**None Detected ND**
Layer 2 of 3	**Description:** Tan compressed fibrous material with clear coating		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 85%	**None Detected ND**
Layer 3 of 3	**Description:** Gray fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 32%	**Chrysotile 44%**

Lab ID: 24020988 **Client Sample #: 11720-ASB-62**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** White woven fibrous mesh with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Paint, Fine particles	Cellulose 27%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 2	**Description:** White crumbly fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**Chrysotile 9%**
				Amosite 4%

Lab ID: 24020989 **Client Sample #: 11720-ASB-63**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** White woven fibrous mesh with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Paint, Fine particles	Cellulose	31%	**None Detected ND**
Layer 2 of 2	**Description:** White crumbly fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**Chrysotile 7%**
				Amosite 3%

Lab ID: 24020990 **Client Sample #: 11720-ASB-64**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** White woven fibrous mesh with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Paint, Fine particles	Cellulose	28%	**None Detected ND**
Layer 2 of 2	**Description:** White crumbly fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**Chrysotile 12%**
				Amosite 5%

Lab ID: 24020991 **Client Sample #: 11720-ASB-65**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

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

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Paint, Fine grains	Cellulose 37%	**None Detected ND**

Lab ID: 24020992 **Client Sample #: 11720-ASB-66**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

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

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Gypsum/Binder, Paint, Fine grains	Cellulose 34%	**None Detected ND**

Lab ID: 24020993 **Client Sample #: 11720-ASB-67**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** Gray fibrous material with coating and debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Debris, Fine particles	None Detected ND	**Chrysotile 82%**

Lab ID: 24020994 **Client Sample #: 11720-ASB-68**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** Gray fibrous material with coating and debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Debris, Fine particles	None Detected ND	**Chrysotile 85%**

Lab ID: 24020995 **Client Sample #: 11720-ASB-69**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** Gray fibrous material with coating and debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Debris, Fine particles	None Detected ND	**Chrysotile 79%**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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ASB-02

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24020996 **Client Sample #: 11720-ASB-70**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Comments: Possible contamination of Layer 2 by Layer 1. Insufficient mastic remaining for further analysis.

Layer 1 of 2	**Description:** Red vinyl tile			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	None Detected	ND	**Chrysotile 4%**
Layer 2 of 2	**Description:** Trace black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	None Detected	ND	**Chrysotile <1%**

Lab ID: 24020997 **Client Sample #: 11720-ASB-71**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Comments: Possible contamination of Layer 2 by Layer 1. Insufficient mastic remaining for further analysis.

Layer 1 of 2	**Description:** Red vinyl tile			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	None Detected	ND	**Chrysotile 5%**
Layer 2 of 2	**Description:** Trace black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	None Detected	ND	**Chrysotile <1%**

Lab ID: 24020998 **Client Sample #: 11720-ASB-72**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	None Detected	ND	**Chrysotile 3%**

Lab ID: 24020999 **Client Sample #: 11720-ASB-73**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
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	None Detected	ND	**Chrysotile 4%**

Lab ID: 24021000 **Client Sample #: 11720-ASB-74**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Off-white sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	Glass fibers	8%	**None Detected ND**
Layer 2 of 2	**Description:** Gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021001 **Client Sample #: 11720-ASB-75**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Off-white sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	Glass fibers	9%	**None Detected ND**
Layer 2 of 2	**Description:** Gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021002 **Client Sample #: 11720-ASB-76**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Comments: Unsure of correct layer sequence.

Layer 1 of 5	**Description:** Gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: **Mr. Marcus Gladden**
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 5	**Description:** Off-white crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**Chrysotile 4%**
Layer 3 of 5	**Description:** Gray brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**
Layer 4 of 5	**Description:** White sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Calcareous binder, Mineral grains, Sand	None Detected	ND	**None Detected ND**
Layer 5 of 5	**Description:** Red brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021003 **Client Sample #: 11720-ASB-77**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 5	**Description:** Gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 5	**Description:** Off-white crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**Chrysotile 3%**
Layer 3 of 5	**Description:** Gray 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:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 4 of 5	**Description:** White sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Mineral grains, Sand	None Detected	ND	**None Detected ND**
Layer 5 of 5	**Description:** Red brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021004 **Client Sample #: 11720-ASB-78**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** White crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	5%	**None Detected ND**

Lab ID: 24021005 **Client Sample #: 11720-ASB-79**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	78%	**None Detected ND**
Layer 2 of 2	**Description:** Tan adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021006 **Client Sample #: 11720-ASB-80**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	81%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: **Mr. Marcus Gladden**
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 3	**Description:** Tan adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** White soft material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic/Binder, Debris, Fine particles	Cellulose	2%	**None Detected ND**
		Organic fibers	<1%	

Lab ID: 24021007 **Client Sample #: 11720-ASB-81**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Off-white crumbly material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Insect parts, Debris	Cellulose	7%	**None Detected ND**
	Fine particles, Organic debris	Spider silk	4%	
		Organic fibers	2%	

Lab ID: 24021008 **Client Sample #: 11720-ASB-82**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Off-white crumbly material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Insect parts, Debris	Cellulose	5%	**None Detected ND**
	Fine particles, Organic debris	Spider silk	3%	
		Organic fibers	<1%	

Lab ID: 24021009 **Client Sample #: 11720-ASB-83**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

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Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 1 **Description:** White crumbly material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Paint, Debris	Mineral fibers	2%	**None Detected ND**

Lab ID: 24021010 **Client Sample #: 11720-ASB-84**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** White crumbly material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Paint, Debris	Mineral fibers	3%	**None Detected ND**

Lab ID: 24021011 **Client Sample #: 11720-ASB-85**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3 **Description:** Brown ceramic tile

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

Layer 2 of 3 **Description:** Tan brittle material

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

Layer 3 of 3 **Description:** White crumbly material

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

Lab ID: 24021012 **Client Sample #: 11720-ASB-86**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3 **Description:** Brown ceramic tile

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

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Address: 1011 SW Klickitat Way. Suite 104
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Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 3	**Description:** Tan brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** White crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mineral grains, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021013 **Client Sample #: 11720-ASB-87**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 8	**Description:** White sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**
Layer 2 of 8	**Description:** Off-white fibrous backing with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Debris	Cellulose	46%	**None Detected ND**
		Glass fibers	22%	
Layer 3 of 8	**Description:** Tan sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 4 of 8	**Description:** Black asphaltic fibrous backing			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	85%	**None Detected ND**
Layer 5 of 8	**Description:** White crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

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Seattle, WA 98134

Attention: **Mr. Marcus Gladden**
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 6 of 8	**Description:** Silver flaky material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 7 of 8	**Description:** Beige vinyl with fibrous mesh			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	Cellulose	23%	**None Detected ND**
Layer 8 of 8	**Description:** Tan fibrous backing			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	90%	**None Detected ND**

Lab ID: 24021014 **Client Sample #: 11720-ASB-88**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 8	**Description:** White sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**
Layer 2 of 8	**Description:** Off-white fibrous backing with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Debris	Cellulose	42%	**None Detected ND**
		Glass fibers	29%	
Layer 3 of 8	**Description:** Tan sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 4 of 8	**Description:** Black asphaltic fibrous backing			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	82%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 5 of 8	**Description:** White crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 6 of 8	**Description:** Silver flaky material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 7 of 8	**Description:** Beige vinyl with fibrous mesh			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	Cellulose	26%	**None Detected ND**
Layer 8 of 8	**Description:** Tan fibrous backing			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	88%	**None Detected ND**

Lab ID: 24021015 **Client Sample #: 11720-ASB-89**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	82%	**None Detected ND**
Layer 2 of 2	**Description:** Tan adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021016 **Client Sample #: 11720-ASB-90**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	85%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403583.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 2 **Description:** Tan adhesive with wood debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Adhesive/Binder, Debris, Fine particles	Cellulose 16%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/01/2024
Reviewed by: Kunga Woser **Date:** 03/04/2024

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	EHS-International, Inc.	**NVL Batch Number**	**2403583.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days	**AH** No
		Rush TAT	
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24020972	11720-ASB-46		A
2	24020973	11720-ASB-47		A
3	24020974	11720-ASB-48		A
4	24020975	11720-ASB-49		A
5	24020976	11720-ASB-50		A
6	24020977	11720-ASB-51		A
7	24020978	11720-ASB-52		A
8	24020979	11720-ASB-53		A
9	24020980	11720-ASB-54		A
10	24020981	11720-ASB-55		A
11	24020982	11720-ASB-56		A
12	24020983	11720-ASB-57		A
13	24020984	11720-ASB-58		A
14	24020985	11720-ASB-59		A
15	24020986	11720-ASB-60		A
16	24020987	11720-ASB-61		A
17	24020988	11720-ASB-62		A
18	24020989	11720-ASB-63		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hieu Ta		NVL	3/1/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:01 PM
Entered By: Kelly AuVu

ASBESTOS LABORATORY SERVICES

Company	EHS-International, Inc.	**NVL Batch Number**	**2403583.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days	**AH** No
		Rush TAT	
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	24020990	11720-ASB-64		A
20	24020991	11720-ASB-65		A
21	24020992	11720-ASB-66		A
22	24020993	11720-ASB-67		A
23	24020994	11720-ASB-68		A
24	24020995	11720-ASB-69		A
25	24020996	11720-ASB-70		A
26	24020997	11720-ASB-71		A
27	24020998	11720-ASB-72		A
28	24020999	11720-ASB-73		A
29	24021000	11720-ASB-74		A
30	24021001	11720-ASB-75		A
31	24021002	11720-ASB-76		A
32	24021003	11720-ASB-77		A
33	24021004	11720-ASB-78		A
34	24021005	11720-ASB-79		A
35	24021006	11720-ASB-80		A
36	24021007	11720-ASB-81		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hieu Ta		NVL	3/1/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:01 PM
Entered By: Kelly AuVu

ASBESTOS LABORATORY SERVICES

Company	EHS-International, Inc.	**NVL Batch Number**	**2403583.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days	**AH** No
		Rush TAT	
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
37	24021008	11720-ASB-82		A
38	24021009	11720-ASB-83		A
39	24021010	11720-ASB-84		A
40	24021011	11720-ASB-85		A
41	24021012	11720-ASB-86		A
42	24021013	11720-ASB-87		A
43	24021014	11720-ASB-88		A
44	24021015	11720-ASB-89		A
45	24021016	11720-ASB-90		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hieu Ta		NVL	3/1/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:01 PM
Entered By: Kelly AuVu

2403583

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

ASBESTOS CHAIN OF CUSTODY

Turn Around Time
- ☐ 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: EHS International
Address: 1011 SW Klickatat Way #104, Seattle, WA, 98134
Phone: 206-381-1128

Project Manager: Marcus Gladden
Cell: (206) 819 - 4213
Email: marcusg@ehsintl.com
Fax: ( ) -

Project Name/Number: 11720
Project Location: 17345, 17347 BEACH DRIVE NE LAKE FOREST PARK, WA

- ☐ 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 to marcusg@ehsintl.com, REESEM@EHSINTL.COM
☐ Call ( ) - ☐ Fax ( ) - ☒ Email

Total Number of Samples 135

	Sample ID	Description	A/R
1	11720-ASB-01		
2	11720-ASB-02		
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15	11720-ASB-135		

	Print Name	Signature	Company	Date	Time
Sampled by	Marcus Gladden	Marcus Gladden	EHSI	2/28/24	8:00
Relinquish by	Marcus Gladden	Marcus Gladden	EHSI		15:30

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Rochelle Miller		NVL	2/28/24	1540
Analyzed by					
Called by					
Faxed/Email by					

March 5, 2024

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Marcus Gladden
EHS-International, Inc.
1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2403584.00

Client Project: 11720
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Dear Mr. Gladden,

Enclosed please find test results for the 45 sample(s) submitted to our laboratory for analysis on 2/28/2024.

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24021017 **Client Sample #: 11720-ASB-91**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Layer 1 of 1 **Description:** Gray cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Cement/Binder, Mineral grains, Fine particles	None Detected	ND	**Chrysotile 27%**

Lab ID: 24021018 **Client Sample #: 11720-ASB-92**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Layer 1 of 1 **Description:** Gray cementitious material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Cement/Binder, Mineral grains, Fine particles	None Detected	ND	**Chrysotile 31%**

Lab ID: 24021019 **Client Sample #: 11720-ASB-93**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Layer 1 of 1 **Description:** Tan compressed fibrous material with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Debris, Insect parts	Cellulose	70%	**None Detected ND**
	Spider silk	9%	

Lab ID: 24021020 **Client Sample #: 11720-ASB-94**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Layer 1 of 2 **Description:** Gray vinyl

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Vinyl/Binder, Debris, Fine particles	Synthetic fibers	4%	**None Detected ND**
	Cellulose	2%	

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 2 **Description:** Clear adhesive with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Adhesive/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021021 **Client Sample #: 11720-ASB-95**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2 **Description:** Gray vinyl

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Vinyl/Binder, Debris, Fine particles	Synthetic fibers	5%	**None Detected ND**
	Cellulose	3%	

Layer 2 of 2 **Description:** Clear adhesive with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Adhesive/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021022 **Client Sample #: 11720-ASB-96**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** Black asphaltic fibrous material with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	57%	**None Detected ND**
	Synthetic fibers	9%	

Lab ID: 24021023 **Client Sample #: 11720-ASB-97**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1 **Description:** Black asphaltic fibrous material with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	52%	**None Detected ND**
	Synthetic fibers	11%	

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24021024 **Client Sample #: 11720-ASB-98**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	79%	**None Detected ND**
Layer 2 of 2	**Description:** Tan mastic with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/Binder, Paint, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021025 **Client Sample #: 11720-ASB-99**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	75%	**None Detected ND**
Layer 2 of 2	**Description:** Tan mastic with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/Binder, Paint, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021026 **Client Sample #: 11720-ASB-100**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Black asphaltic fibrous material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	68%	**None Detected ND**

Lab ID: 24021027 **Client Sample #: 11720-ASB-101**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 1	**Description:** Black asphaltic fibrous material with debris		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 66%	**None Detected ND**

Lab ID: 24021028 **Client Sample #: 11720-ASB-102**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Tan compressed fibrous material with coating		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 81%	**None Detected ND**
Layer 2 of 2	**Description:** Tan mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Debris, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 24021029 **Client Sample #: 11720-ASB-103**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Tan compressed fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 94%	**None Detected ND**
Layer 2 of 2	**Description:** Tan mastic		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Mastic/Binder, Debris, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 24021030 **Client Sample #: 11720-ASB-104**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Black asphaltic fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 61%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24021031 **Client Sample #: 11720-ASB-105**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 1	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose	63%	**None Detected ND**

Lab ID: 24021032 **Client Sample #: 11720-ASB-106**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

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

Lab ID: 24021033 **Client Sample #: 11720-ASB-107**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

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

Lab ID: 24021034 **Client Sample #: 11720-ASB-108**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA
Comments: Wet sample was dried prior to analysis.

Layer 1 of 5	**Description:** Black asphaltic material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	24%	**None Detected ND**
Layer 2 of 5	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 3 of 5	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	None Detected	ND	**None Detected ND**
Layer 4 of 5	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Fine particles	Cellulose	64%	**None Detected ND**
Layer 5 of 5	**Description:** Tan compressed fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	98%	**None Detected ND**

Lab ID: 24021035 **Client Sample #: 11720-ASB-109**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Wet sample was dried prior to analysis.

Layer 1 of 5	**Description:** Black asphaltic material with granules			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Granules	Glass fibers	27%	**None Detected ND**
Layer 2 of 5	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	None Detected	ND	**None Detected ND**
Layer 3 of 5	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	None Detected	ND	**None Detected ND**
Layer 4 of 5	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Fine particles	Cellulose	70%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

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Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 5 of 5	**Description:** Tan compressed fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 96%		**None Detected ND**

Lab ID: 24021036 **Client Sample #: 11720-ASB-110**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Off-white sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected ND		**None Detected ND**
Layer 2 of 2	**Description:** Off-white fibrous backing with mastic and wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Debris	Cellulose 52%		**None Detected ND**
		Glass fibers 16%		

Lab ID: 24021037 **Client Sample #: 11720-ASB-111**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 4	**Description:** Off-white sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected ND		**None Detected ND**
Layer 2 of 4	**Description:** Tan fibrous backing with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Fine particles	Cellulose 47%		**None Detected ND**
		Glass fibers 29%		
Layer 3 of 4	**Description:** Tan sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected ND		**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 4 of 4	**Description:** Off-white fibrous backing with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Fine particles	Cellulose	43%	**None Detected ND**
		Glass fibers	25%	

Lab ID: 24021038 **Client Sample #: 11720-ASB-112**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** White patterned sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white fibrous backing with mastic and wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Fine particles	Cellulose	66%	**None Detected ND**
	Debris	Glass fibers	23%	

Lab ID: 24021039 **Client Sample #: 11720-ASB-113**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** White patterned sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Off-white fibrous backing with mastic and wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Fine particles	Cellulose	61%	**None Detected ND**
	Debris	Glass fibers	26%	

Lab ID: 24021040 **Client Sample #: 11720-ASB-114**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 3	**Description:** White patterned sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Off-white fibrous backing with mastic and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Fine particles	Cellulose	47%	**None Detected ND**
	Debris	Glass fibers	33%	
Layer 3 of 3	**Description:** Gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	3%	**None Detected ND**

Lab ID: 24021041 **Client Sample #: 11720-ASB-115**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** White patterned sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Off-white fibrous backing with mastic and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Fine particles	Cellulose	42%	**None Detected ND**
	Debris	Glass fibers	35%	
Layer 3 of 3	**Description:** Gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	2%	**None Detected ND**

Lab ID: 24021042 **Client Sample #: 11720-ASB-116**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

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Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	89%	**None Detected ND**
Layer 2 of 2	**Description:** Tan adhesive with wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	Cellulose	6%	**None Detected ND**

Lab ID: 24021043 **Client Sample #: 11720-ASB-117**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	91%	**None Detected ND**
Layer 2 of 2	**Description:** Tan adhesive with wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	Cellulose	7%	**None Detected ND**

Lab ID: 24021044 **Client Sample #: 11720-ASB-118**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** Tan vinyl with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	Cellulose	5%	**None Detected ND**
Layer 2 of 3	**Description:** Tan woven fibrous mesh			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	78%	**None Detected ND**
Layer 3 of 3	**Description:** Brown mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Bulk Asbestos Fibers Analysis

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Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24021045 **Client Sample #: 11720-ASB-119**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 3	**Description:** Tan vinyl with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	Cellulose	3%	**None Detected ND**
Layer 2 of 3	**Description:** Tan woven fibrous mesh			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	73%	**None Detected ND**
Layer 3 of 3	**Description:** Brown mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Mastic/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021046 **Client Sample #: 11720-ASB-120**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Off-white patterned vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Yellow mastic with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Mastic/Binder, Debris, Fine particles	Cellulose	2%	**None Detected ND**

Lab ID: 24021047 **Client Sample #: 11720-ASB-121**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Off-white patterned vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 2	**Description:** Yellow mastic with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Mastic/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021048 **Client Sample #: 11720-ASB-122**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	85%	**None Detected ND**
Layer 2 of 2	**Description:** Tan adhesive with wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	Cellulose	9%	**None Detected ND**

Lab ID: 24021049 **Client Sample #: 11720-ASB-123**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	87%	**None Detected ND**
Layer 2 of 2	**Description:** Tan adhesive with wood debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	Cellulose	8%	**None Detected ND**

Lab ID: 24021050 **Client Sample #: 11720-ASB-124**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 4	**Description:** Yellow patterned sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

Kunga Woser

Kunga Woser, Senior Laboratory Analyst

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Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 4	**Description:** White fibrous backing		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 73%	**None Detected ND**
Layer 3 of 4	**Description:** Black asphaltic fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 68%	**None Detected ND**
Layer 4 of 4	**Description:** Silver crumbly material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 24021051 **Client Sample #: 11720-ASB-125**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 4	**Description:** Yellow patterned sheet vinyl		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected ND	**None Detected ND**
Layer 2 of 4	**Description:** White fibrous backing		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 70%	**None Detected ND**
Layer 3 of 4	**Description:** Black asphaltic fibrous material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 62%	**None Detected ND**
Layer 4 of 4	**Description:** Silver crumbly material		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 24021052 **Client Sample #: 11720-ASB-126**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 94%	**None Detected ND**
Layer 2 of 2	**Description:** Tan adhesive		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 24021053 **Client Sample #: 11720-ASB-127**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose 91%	**None Detected ND**
Layer 2 of 2	**Description:** Tan adhesive		
	Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 24021054 **Client Sample #: 11720-ASB-128**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

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**

Lab ID: 24021055 **Client Sample #: 11720-ASB-129**
Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

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:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Lab ID: 24021056 **Client Sample #: 11720-ASB-130**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Unsure of correct layer sequence.

Layer 1 of 4	**Description:** White sheet vinyl with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	Cellulose	3%	**None Detected ND**
		Organic fibers	2%	
Layer 2 of 4	**Description:** Off-white backing with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Debris	Glass fibers	14%	**None Detected ND**
Layer 3 of 4	**Description:** Off-white sheet vinyl with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	Cellulose	3%	**None Detected ND**
Layer 4 of 4	**Description:** Tan fibrous backing with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Fine particles	Cellulose	38%	**None Detected ND**
		Glass fibers	17%	

Lab ID: 24021057 **Client Sample #: 11720-ASB-131**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 4	**Description:** White sheet vinyl with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	Cellulose	5%	**None Detected ND**
		Organic fibers	3%	

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 4	**Description:** Off-white backing with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Debris	Glass fibers	18%	**None Detected ND**
Layer 3 of 4	**Description:** Off-white sheet vinyl with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Synthetic foam, Debris	None Detected	ND	**None Detected ND**
Layer 4 of 4	**Description:** Tan fibrous backing with mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Mastic/Binder, Fine particles	Cellulose	45%	**None Detected ND**
		Glass fibers	21%	

Lab ID: 24021058 **Client Sample #: 11720-ASB-132**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Comments: Insufficient adhesive for thorough analysis.

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	89%	**None Detected ND**
Layer 2 of 2	**Description:** Trace tan adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 24021059 **Client Sample #: 11720-ASB-133**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Layer 1 of 2	**Description:** Brown flat hard compressed fibrous material with surface			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	93%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

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: EHS-International, Inc.
Address: 1011 SW Klickitat Way. Suite 104
Seattle, WA 98134

Attention: Mr. Marcus Gladden
Project Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

Batch #: 2403584.00
Client Project #: 11720
Date Received: 2/28/2024
Samples Received: 45
Samples Analyzed: 45
Method: EPA/600/R-93/116

Layer 2 of 2 **Description:** Tan adhesive

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Adhesive/Binder, Debris, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 24021060 **Client Sample #: 11720-ASB-134**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

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

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 54%	**None Detected ND**

Lab ID: 24021061 **Client Sample #: 11720-ASB-135**

Location: 17345, 17347 Beach Drive NE Lake Forest Park, WA

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

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Debris	Cellulose 58%	**None Detected ND**

Sampled by: Client
Analyzed by: Hieu Ta **Date:** 03/04/2024
Reviewed by: Kunga Woser **Date:** 03/05/2024

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	EHS-International, Inc.	**NVL Batch Number**	**2403584.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days **Rush TAT**	**AH** No
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24021017	11720-ASB-91		A
2	24021018	11720-ASB-92		A
3	24021019	11720-ASB-93		A
4	24021020	11720-ASB-94		A
5	24021021	11720-ASB-95		A
6	24021022	11720-ASB-96		A
7	24021023	11720-ASB-97		A
8	24021024	11720-ASB-98		A
9	24021025	11720-ASB-99		A
10	24021026	11720-ASB-100		A
11	24021027	11720-ASB-101		A
12	24021028	11720-ASB-102		A
13	24021029	11720-ASB-103		A
14	24021030	11720-ASB-104		A
15	24021031	11720-ASB-105		A
16	24021032	11720-ASB-106		A
17	24021033	11720-ASB-107		A
18	24021034	11720-ASB-108		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hieu Ta		NVL	3/4/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:02 PM
Entered By: Kelly AuVu

ASBESTOS LABORATORY SERVICES

Company	EHS-International, Inc.	**NVL Batch Number**	**2403584.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days **Rush TAT**	**AH** No
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	24021035	11720-ASB-109		A
20	24021036	11720-ASB-110		A
21	24021037	11720-ASB-111		A
22	24021038	11720-ASB-112		A
23	24021039	11720-ASB-113		A
24	24021040	11720-ASB-114		A
25	24021041	11720-ASB-115		A
26	24021042	11720-ASB-116		A
27	24021043	11720-ASB-117		A
28	24021044	11720-ASB-118		A
29	24021045	11720-ASB-119		A
30	24021046	11720-ASB-120		A
31	24021047	11720-ASB-121		A
32	24021048	11720-ASB-122		A
33	24021049	11720-ASB-123		A
34	24021050	11720-ASB-124		A
35	24021051	11720-ASB-125		A
36	24021052	11720-ASB-126		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hieu Ta		NVL	3/4/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:02 PM
Entered By: Kelly AuVu

ASBESTOS LABORATORY SERVICES

NVL

Company	EHS-International, Inc.	**NVL Batch Number**	**2403584.00**
Address	1011 SW Klickitat Way. Suite 104 Seattle, WA 98134	**TAT** 5 Days **Rush TAT**	**AH** No
Project Manager	Mr. Marcus Gladden	**Due Date** 3/6/2024	**Time** 3:40 PM
Phone	(206) 381-1128	**Email**	marcusg@ehsintl.com
Cell	(206) 819-4213	**Fax**	(206) 254-4279

Project Name/Number: 11720 **Project Location:** 17345, 17347 Beach Drive NE Lake Forest Park, WA

Subcategory PLM Bulk

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

Total Number of Samples 45 Rush Samples

	Lab ID	Sample ID	Description	A/R
37	24021053	11720-ASB-127		A
38	24021054	11720-ASB-128		A
39	24021055	11720-ASB-129		A
40	24021056	11720-ASB-130		A
41	24021057	11720-ASB-131		A
42	24021058	11720-ASB-132		A
43	24021059	11720-ASB-133		A
44	24021060	11720-ASB-134		A
45	24021061	11720-ASB-135		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by	Hieu Ta		NVL	3/4/24	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 2/28/2024
Time: 4:02 PM
Entered By: Kelly AuVu

2403584

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

ASBESTOS CHAIN OF CUSTODY

Turn Around Time
- ☐ 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: EHS International
Address: 1011 SW Klickatat Way #104
Seattle, WA, 98134
Phone: 206-381-1128

Project Manager: Marcus Gladden
Cell: (206) 819 - 4213
Email: marcusg@ehsintl.com
Fax: ( ) -

Project Name/Number: 11720
Project Location: 17345, 17347 BEACH DRIVE NE LAKE FOREST PARK, WA

- ☐ 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 to marcusg@ehsintl.com, REESEM@EHSINTL.COM
☐ Call ( ) - ☐ Fax ( ) - ☒ Email

Total Number of Samples 135

	Sample ID	Description	A/R
1	11720-ASB-01		
2	11720-ASB-02		
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15	11720-ASB-135		

	Print Name	Signature	Company	Date	Time
Sampled by	Marcus Gladden	Marcus Gladden	EHSI	2/28/24	8:00
Relinquish by	Marcus Gladden	Marcus Gladden	EHSI		15:30

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	2/28/24	1540
Analyzed by					
Called by					
Faxed/Email by					

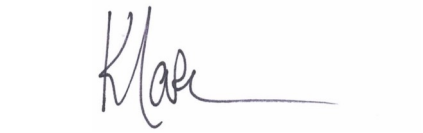
eurofins | Built Environment Testing

Report for:

Marcus Gladden
EHS International, Inc.
1011 SW Klickitat Way, Ste. 104
Seattle, WA 98134

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: 11720; 17345, 17347 Beach Dr NE, Lake Forest Park, WA
EML ID: 3556163

Approved by:



Technical Manager
Kate March

Dates of Analysis:
Asbestos PLM: 03-04-2024

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 101920-0

Eurofins EPK Built Environment Testing, LLC
7619 6th Ave NW, Seattle, WA 98117
(800) 651-4802 www.eurofinsus.com/Built

Client: EHS International, Inc.
C/O: Marcus Gladden
Re: 11720; 17345, 17347 Beach Dr NE, Lake Forest Park, WA

Date of Sampling: 02-28-2024
Date of Receipt: 02-28-2024
Date of Report: 03-04-2024

ASBESTOS PLM REPORT

Total Samples Submitted:	14
Total Samples Analyzed:	14
Total Samples with Layer Asbestos Content > 1%:	3

Location: 11720-ASB-05QA Lab ID-Version‡: 17378813-1

Sample Layers	Asbestos Content
Beige Joint Compound with Brown Paint	3% Chrysotile
Cream Tape	ND
Cream Joint Compound	2% Chrysotile
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-11QA Lab ID-Version‡: 17378814-1

Sample Layers	Asbestos Content
Brown Non-Fibrous Material with Yellow Mastic	4% Chrysotile
Composite Non-Asbestos Content:	3% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-21QA Lab ID-Version‡: 17378815-1

Sample Layers	Asbestos Content
Cream Joint Compound with Cream Paint	ND
Orange Plaster	ND
Light Gray Cementitious Material	ND
Composite Non-Asbestos Content:	3% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 11720-ASB-42QA Lab ID-Version‡: 17378816-1

Sample Layers	Asbestos Content
White Sheet Flooring with Fibrous Backing	ND
Composite Non-Asbestos Content:	30% Cellulose 10% Glass Fibers
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
7619 6th Ave NW, Seattle, WA 98117
(800) 651-4802 www.eurofinsus.com/Built

Client: EHS International, Inc.
C/O: Marcus Gladden
Re: 11720; 17345, 17347 Beach Dr NE, Lake Forest Park, WA

Date of Sampling: 02-28-2024
Date of Receipt: 02-28-2024
Date of Report: 03-04-2024

ASBESTOS PLM REPORT

Location: 11720-ASB-60QA Lab ID-Version‡: 17378817-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-71QA Lab ID-Version‡: 17378818-1

Sample Layers	Asbestos Content
Red Floor Tile	4% Chrysotile
Black Mastic	ND
Composite Non-Asbestos Content:	3% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-89QA Lab ID-Version‡: 17378819-1

Sample Layers	Asbestos Content
Brown Floor Tile with White Coating	ND
Brown Mastic	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-96QA Lab ID-Version‡: 17378820-1

Sample Layers	Asbestos Content
Black Roofing Tar and Felt	ND
Brown Mastic	ND
Composite Non-Asbestos Content:	50% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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7619 6th Ave NW, Seattle, WA 98117
(800) 651-4802 www.eurofinsus.com/Built

Client: EHS International, Inc.
C/O: Marcus Gladden
Re: 11720; 17345, 17347 Beach Dr NE, Lake Forest Park, WA

Date of Sampling: 02-28-2024
Date of Receipt: 02-28-2024
Date of Report: 03-04-2024

ASBESTOS PLM REPORT

Location: 11720-ASB-98QA Lab ID-Version‡: 17378821-1

Sample Layers	Asbestos Content
Brown Floor Tile with White Coating	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-102QA Lab ID-Version‡: 17378822-1

Sample Layers	Asbestos Content
Gray Paper	ND
Tan Fibrous Material	ND
Beige Mastic	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-105QA Lab ID-Version‡: 17378823-1

Sample Layers	Asbestos Content
Black Roofing Tar and Felt	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-124QA Lab ID-Version‡: 17378824-1

Sample Layers	Asbestos Content
White Fibrous Material with Coating	ND
Black Roofing Tar and Felt with Silver Coating	ND
Composite Non-Asbestos Content:	50% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
7619 6th Ave NW, Seattle, WA 98117
(800) 651-4802 www.eurofinsus.com/Built

Client: EHS International, Inc.
C/O: Marcus Gladden
Re: 11720; 17345, 17347 Beach Dr NE, Lake Forest Park, WA

Date of Sampling: 02-28-2024
Date of Receipt: 02-28-2024
Date of Report: 03-04-2024

ASBESTOS PLM REPORT

Location: 11720-ASB-135QA

Lab ID-Version‡: 17378825-1

Sample Layers	Asbestos Content
Black Roofing Tar and Felt	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 11720-ASB-129QA

Lab ID-Version‡: 17378826-1

Sample Layers	Asbestos Content
White Sealant	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Appendix D

Laboratory Certifications

ehsi
A Subsidiary of SoundEarth Strategies

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).

2023-10-01 through 2024-09-30

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the 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

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, LLC (AIHA LAP) 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
☐	**BE FIELD/MOBILE**	Accreditation Expires:

Specific Field(s) of Testing/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 requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O. Morton

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

Revision21: 10/24/2023

Date Issued: 07/01/2023

AIHA LAP™

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

NVL Laboratories, Inc.

Laboratory ID: LAP-101861

Issue Date: 07/01/2023
Expire Date: 07/01/2025

4708 Aurora Ave N, Seattle, WA 98103-6516

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, characteristic, material, or product 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 LAP™

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
Expire Date: 07/01/2025

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, characteristic, material, or product 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 LAP™

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

NVL Laboratories, Inc.

Laboratory ID: LAP-101861

Issue Date: 07/01/2023
Expire Date: 07/01/2025

4708 Aurora Ave N, Seattle, WA 98103-6516

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, characteristic, material, or product 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

AIHA LAP™

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
Expire Date: 07/01/2025

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, characteristic, material, or product 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*

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101920-0

Eurofins Built Environment Testing - LabCor Seattle

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).

2023-10-01 through 2024-09-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Eurofins Built Environment Testing - LabCor Seattle
7619 6th Avenue, NW
Seattle, WA 98117
Mr. Derk Wipprecht
Phone: 206-781-0155 Fax: 206-789-8424
Email: derk.wipprecht@et.eurofinsus.com
http://www.labcor.net

ASBESTOS FIBER ANALYSIS — NVLAP LAB CODE 101920-0

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

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program