

SITE CHECK REPORT

Performed at:
Gearjammer Truck Plaza
2310 Rudkin Road
Union Gap, Washington 98903

AEROTECH
Environmental Consulting Inc.

January 29, 2021

Anchorage Seattle Portland

Cost-effective environmental solutions
for the western United States and Alaska

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Performed by:

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List of Acronyms

Acronym or Abbreviation	Definition
ASTM	American Society for Testing and Materials
BTEX	Benzene, toluene, ethylbenzene, and xylenes
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
EAP	Ecology's Environmental Assessment Program
EPA	Environmental Protection Agency
FID	Flame ionization detector
GC	Gas chromatograph
ICC	International Code Council
L&I	Washington State Department of Labor & Industries
MTCA	Model Toxics Control Act
MTBE	Methyl tertiary-butyl ether
NWTPH	Northwest Total Petroleum Hydrocarbon (method)
OSHA	Occupational Safety and Health Administration (federal)
PID	Photoionization detector
PPE	Personal protective equipment
QA/QC	Quality assurance/Quality Control
TPH	Total petroleum hydrocarbons
TPH-Dx	Total petroleum hydrocarbons – diesel- and heavy oil-range organics
TPH-Gx	Total petroleum hydrocarbons – gasoline range organics
TLC	Thin layer chromatography
UST	Underground storage tank
WAC	Washington Administrative Code
WISHA	Washington Industrial Safety and Health Act of 1973

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SITE CHECK REPORT

Performed for:

Gearjammer Truck Plaza
2310 Rudkin Road
Union Gap, Washington 98903

Client:	Manroop Fuel Inc. dba Harmon Fuel, Inc. 513 North 21st Avenue Street B Yakima, WA 98902
Point of Contact:	Mr. Preet Hans
Property:	Gearjammer Truck Plaza 2310 Rudkin Road Union Gap, Washington 98903
County:	Yakima County, Washington Parcel Number: 191332-42031
Facility Site ID No.:	26981244
Cleanup Site No.:	7073
Petroleum Technical. Assistance Program No:	PC006
Commercial Activity:	Chevron Travel Plaza / AM Best Truck Stop
UST Site Assessor:	Nicholas Gerkin (ICC No. 8452487)
Licensed Geologist:	Justin Foslien (Washington State License No. 2540)
Report Date:	January 29, 2021

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1 INTRODUCTION

At the request of Preet Hans, on behalf of Manroop Fuel, LLC dba Harman Fuel, Aerotech Environmental Consulting, Inc. (“Aerotech”) has prepared this report presenting the results of underground storage tank (“UST”) Site Check conducted at the above-referenced site. The purpose of this Washington State Department of Ecology-required Site Check was to determine if there had been a diesel release at the subject site due to two separate failed tests each by diesel fuel Tanks 4 and 5. Precision Containment Sump Testing conducted by Northwest Tank, failed in April of 2020. Tank Tightness Testing, also conducted by Northwest Tank, failed in June of 2020 (WAC 173-360A-0720(2)³).

Additional samples were collected around the UST Basin and adjacent to fuel conveyance lines. Diesel results from samples collected on the east side of the UST basin were mostly consistent with concentrations observed in March of 2019 during an assessment of the same area. Only one sample, (“AB2(4)”) exhibited an unusual MTCA Method A exceedance in the oil range, with concentrations of diesel detected under the cleanup level. (Table 1, Figure 5). All soil boring locations can be found on Figures 5 and 6. Soil data can be found in Table 1.

2 BACKGROUND

Property Description

The Property is located within the boundaries of the City of Union Gap, Washington, designated by the address 2310 Rudkin Road (Figures 1 and 2). The Property consists of one assessor tax parcel, identified by Parcel ID 191332-42031, encompassing a nearly rectangular-shaped area located along the west side of Rudkin Road, measuring approximately 850 feet in length and 500 feet in width.

The subject of this Site Check is known as the *Gearjammer Truck Plaza*. Aerotech Environmental Consulting, Inc. (“Aerotech”) was retained in 2016 by the Property owner to perform environmental investigations in the pursuit of a No Further Action determination, in order to meet the requirements for Site closure specified by the State of Washington Department of Ecology (“Ecology”).

The Property is an irregular-shaped 11.46-acre Parcel of commercial land located on the west side of Rudkin Road in Union Gap, Washington. It was originally developed prior to 1936 as residential and agricultural land at Spring Creek, atop a terrace above the western margin of the broad Yakima River flood plain and associated wetlands. The current truck plaza was constructed in 1978 and expanded in 1979. The Property has been developed with two commercial buildings, an 8,800 square foot masonry structure occupied by *Freight Savers Lube and Oil* to the north, and a 15,000 square foot *Gearjammer Chevron Travel Plaza / AM Best Truck Stop* to the southeast. Adjoining to the east is Rudkin Road followed by Interstate 82 and the Yakima River flood plain. A Best Western hotel, an Outback restaurant, and a law office building adjoin to the south. A residential neighborhood adjoins to the north, and a church and WSU satellite building adjoin to the west.

The Main Building is a one-story foundation and slab on grade masonry structure occupied by the *Gearjammer Travel Plaza* store, lounge, sports bar, and restaurant. The main entrance is to the south, where a

convenience store shop, a deli sandwich counter, and the main service counter are located. An attached canopy to the northeast protects six diesel fuel dispensers, and a canopy to the south protects four gasoline fuel dispensers. Evidence of the presence of an additional seven former diesel fuel dispensers is visible along the northwest side of the diesel canopy, consistent with architectural plans dated June 1978. An underground fuel tank basin is located to the south, housing four 20,000-gallon tanks (three diesel and one gasoline) and one 10,000-gallon gasoline tank. Sloping gently southeasterly, the site is dominated by asphalt-paved truck parking space to the west and north.

UST System Details at Gearjammer Truck Plaza:

IV. UST SYSTEM INFORMATION based on observations, not Ecology database					
-- use bolded acronyms, where applicable --					
	Tank ID:	Tank ID:	Tank ID:	Tank ID:	Tank ID:
1. Tank ID # (tank name registered with Ecology)	1	2	3	4	5
2. Date installed (if known)	5/14/1998	1/1/1978	1/1/1978	1/1/1978	1/1/1978
3. Tank capacity (gallons)	10000	20000	20000	20000	20000
4. Tank material (select NV if not <u>visually</u> verified): Steel (ST); Steel Clad w/ Corrosion Resist (CLAD); Fiberglass Reinforced Plastic (FRP); ST Ip3 ; Not Visible (NV)	SWF	SWS	SWS	SWS	SWS
5. Tank construction (select NV if not <u>visually</u> verified): Single Wall (SW); Double Wall (DW); Compartment (COMP); Not Visible (NV)	SW	SW	SW	SW	SW
6. Piping material (select NV if not <u>visually</u> verified): Steel (ST); Fiberglass reinforced Plastic (FRP); Flexible Plastic (FLEX); Not Visible (NV); Other(specify)	FLX	FLX	FLX	FLX	FLX
7. Piping construction (select NV if not visually verified): Single Wall (SW); Double Wall (DW); Not Visible (NV)	Double	Double	Double	Double	Double
8. Pumping system: Pressurized (PR); Safe Suction (SS); Non-Safe Suction (NSS); Siphon (S)	Pressure	Pressure	Pressure	Pressure	Pressure

Previous Assessment History

In 1979, the Main Building was expanded to the west and north for use as a sports bar and retail space. An 1,100-gallon underground waste oil tank was installed west of the truck lube bay and an 8,000-gallon underground new oil tank was relocated from the Main Building to the same basin at that time. When these tanks were removed in 1995, the Site reported a new oil release associated with tank cleaning operations, and heavy oils were detected at concentrations above Model Toxics Control Act (“MTCA”) Method A Clean-up Level (“CUL”) for soil at three locations within the open excavation.

In 1998, a 10,000-gallon unleaded gasoline tank was installed at the South UST Basin, and tank system upgrades were completed in accordance with new regulations. The release of diesel and gasoline fuels was reported at that time, when petroleum-impacted soils were discovered above tanks during upgrade operations (“Event C”). Subsequent investigations, including the installation of three groundwater monitoring wells in

1999, indicated the presence of diesel and gasoline fuels in groundwater at downgradient well, MW3. Floating Non-aqueous phase liquid (“NAPL”) also referred to as product, was detected and a total of 34 ounces were recovered from MW3).

Since 2016, Aerotech has investigated the soil and groundwater at the Gearjammer Truck Plaza. These investigations determined diesel-impacted soils present near the water table in the diesel fueling area, and downgradient to the southeast the adjoining truck approach. Associated with these impacts in soil, a dissolved diesel plume also extended from the diesel fueling area to the truck approach. This area previously described as Event B.

The Remedial Investigation (“RI”) report completed in 2017 presented the site delineated and planned to evaluate the feasibility of corrective actions based on the investigative data available after addressing acknowledged data gaps in the groundwater and vapor pathways. The Petroleum Technical Assistance Program (“PTAP”) approved the RI with conditions in an opinion letter on March 8, 2018. One of the conditions was to reevaluate the use of MW3 as a point of compliance due to the history of product present from 2000-2002.

A new well anticipated to be a clean downgradient point of compliance location was installed at the southeastern Property boundary in 2018. During the installation of monitoring well MW15, field observations noted strong diesel odor present and a soil sample collected from 12 feet below ground surface (“bgs”) contained 9,800 milligrams per kilogram of total petroleum hydrocarbon – diesel range. After developing the new groundwater monitoring well, measurable NAPL was observed.

An investigation to identify the source of this NAPL occurred in 2019. Soil samples collected from Soil Borings B81-B83 and B87-B90 advanced along the east side of the UST basin and to the south within the planter contained concentrations of Total Petroleum Hydrocarbon – Diesel Range (“TPHd”) above the Method A CUL. After a subsequent investigation within the Rudkin Road Right of Way (“ROW”), soil and groundwater samples confirm the concentrations of diesel originated from the area of MW20 at 12-15 feet below ground surface (“bgs”) extending south southeast to the Gearjammer Sign and MW15 and then across Rudkin Road to at least Soil Borings B96 and B97(MW23) and later, MW24.

Geology & Hydrogeology

Surface Characteristics:

The precise Property location is Latitude: North 46 34' 7.07" and Longitude West 120 27' 17.15" as determined by the Washington State Department of Ecology (“Ecology”) Environmental Information Management database. The Site elevation is approximately 989 feet above mean sea level. The relevant US Geological Survey topographic sheet is the 2013 7.5-Minute Yakima East Topographic Quadrangle. The Property is located within the boundaries of the City of Union Gap, Washington, designated by the address 2310 Rudkin Road.

Geology and Subsurface Soils Characteristics – Site and Vicinity:

The Columbia River Basalt Group, a series of folded horizontally deposited lava flows, underlie the basins and form the ridges and bluffs in the area. The valley in which Union Gap lies, filled with fluvial and alluvial gravels and sands, is one of six geologic basins which lie between tectonically folded basaltic ridges aligned roughly west to east, along the western third of the Columbia River Basin. The site lies along the rising southern flanks of the Ahtanum-Moxee Syncline, whose east-west oriented axis lies at the deep central portion of the basin to the north.

The subject property is underlain by Quaternary-Recent Undifferentiated Sedimentary Deposits (“Qsu”), including cobble- and boulder-laden sands and gravels such as those encountered during this

investigation. These deposits, varying in thickness from a few feet to many hundreds of feet, are characterized as:

Sedimentary Deposits - Undifferentiated (Qsu): “Recent stream alluvium and Pleistocene glacial and valley-train deposits. Strata are composed of silt, sand, and gravel, which in places exceed several hundred feet in thickness. Deposits partly fill all the valleys and structural basins and form the principal conduits carrying valley underflow. The porosity of these deposits probably ranges from 10 to 40 percent, and their permeability ranges from very low to very high. They provide a very large proportion of the effective ground-water storage that supplies the ground-water component of streamflow, and also serve as important aquifers” (Kinnison and Sceva, 1963).

The Site is dominantly underlain by coarse-grained sediments consisting of silty gravel and sand and poorly-graded gravel and sand to 20 feet bgs, the greatest depth explored.

Boring logs from the Site have indicated the presence of a former stream channel in the southern portion of the Site. The area of the Gearjammer property has paved over the previous location of Spring Creek as shown on the Site Plan in Figure 3. Evidence of a previous channel possibly used by Spring Creek has been observed in several of the boring logs. The deposit consists of a sand or silty sand ranging from 0.5 to approximately 3 or 4-feet thick. A well sorted/poorly graded sand occurred at B94, B95, B96, B97, B98, B99, B100. At boring locations B87, B88, B90 and B91/MW21, there was a deposit of silty sand noted in the logs.

The saturated sand appears to be under some pressure. This is based on the observation of dry material from 8-11 feet bgs at the time of drilling, with the subsequent water elevations post well construction measured at 9 to 10 feet bgs.

Groundwater at the subject Property was encountered during investigations at depths between 9 and 14 feet bgs. It occurs within the coarse-grained sediments consisting of silty gravel and sand and poorly-graded gravel and sand to at least 20 feet bgs.

Groundwater monitoring has been accomplished by means of 2 groundwater monitoring wells constructed by the White Shield Company in 1999 (MW2 & MW3), and an additional 20 wells installed by Aerotech in the Diesel Fueling and UST Basin Areas (MW4 through MW16 and MW20 through MW26).

Hydrogeologic Characteristics:

Groundwater at the subject Property encountered during investigations at depths between 9 and 14 feet bgs. It occurs within the coarse-grained sediments consisting of silty gravel and sand and poorly-graded gravel and sand to at least 20 feet bgs.

Groundwater monitoring has been accomplished by means of 2 groundwater monitoring wells constructed by the White Shield Company in 1999 (MW2 & MW3), and an additional 20 wells installed by Aerotech in the Diesel Fueling and UST Basin Areas (MW4 through MW16 and MW20 through MW26).

Groundwater flow direction has been calculated to the to the east-southeast within the Diesel Fueling Area. Near the UST basin the groundwater flow direction has been calculated to be south-southeast.

The aquifer is shallow and the strata is a relatively uncompressed coarse gravel known regionally for its high hydraulic conductivity. Monitoring events completed in 2019 indicate hydraulic gradients in diesel plume area range from 0.0065 to 0.0085 feet per foot. The gradient in the vicinity of the UST basin ranged from 0.0025 to 0.006 feet per foot.

Yakima River Basin Aquifer System:

The Yakima River basin aquifer system underlies about 6,200 square miles in south-central Washington. It consists of basin-fill deposits occurring in six structural-sedimentary basins, the Columbia River Basalt Group (CRBG), and generally older bedrock.

“Groundwater in the different hydrogeologic units occurs under perched, unconfined, semiconfined, and confined conditions. Groundwater moves from topographic highs in the uplands to topographic low areas along the streams. The flow system in the basin-fill units is compartmentalized due to topography and geologic structure.

About 312,000 acre-ft (about 430 ft³/s) of groundwater was pumped in 2000 for multiple uses, about 60 percent of which was for irrigation. Allowable acreage of groundwater irrigation rights is about 130,000 acres. Mean annual surface-water diversions are about 5,800 ft³/s, of which about 66 percent was delivered for irrigation and 25 percent was for power production.”

The depth to water seasonally fluctuates at the Site like shallow wells discussed in the USGS Study. Generally, from mid-March to mid-May, the water table elevation is lowest corresponding to the irrigation season where surface water is lost from streams, tile drains, drains and wasteways.

Hydrogeologic Framework of the Yakima River Basin Aquifer System, Washington, United States Geological Survey Prepared in cooperation with the Bureau of Reclamation, Washington State Department of Ecology, and the Yakima Nation; USGS Scientific Investigations Report 2009-5152, J.J. Vaccaro, M.A. Jones, D.M. Ely, T.D. Olsen, W.B. Welch and S.E. Cox

Assessment Objectives

The purpose of this this Washington State of Department-required Site Check was due to failed Precision Containment Sump Testing, performed by Northwest Tank in Diesel USTs 4 & 5 in June of 2020 (WAC 173-360A-0720(2)³). USTs 4 and 5 status has since been temporarily out-of-service since sometime before September 2020.

Assessment Details

Notifications – “Public Utilities:

Due to the age and nature of the Site, a “public” utilities notification was performed prior to the start of work. Aerotech requested the notification and was issued ticket number 21001260 by the Utilities Underground Location Center (“UULC”).

According to the UULC the utilities in the vicinity of the Site that required notification included:

District	Company
CHTWA03	CHARTER COMMUNICATIONS
CNG08	CASCADE NATURAL GAS-YAKIMA
FALCON19	CHARTER COMMUNICATIONS
FB01	FATBEAM, LLC
LSN02	LS NETWORKS
NCOWCH01	NACHES-COWICHE CANAL CO
PPL31	PACIFIC POWER
QLNWA06	CTLQL-CENTURYLINK

UNION01	CITY OF UNION GAP
WDOTS02	WSDOT-SCR
YAKIMA01	CITY OF YAKIMA
YAKIMA02	YAKIMA SIGNAL DEPARTMENT
YCPW01	YAKIMA COUNTY PW

Private Utilities Location:

Additionally, Aerotech engaged personnel of Utilities Plus, Inc. of Yakima, Washington to locate building and site utilities on January 11, 2021, prior to the start of the UST Site Check. No unanticipated or unexpected situations were discovered or encountered during the "private" locating activities.

Based in part upon pavement markings made by utility location technicians; the location of utility fixtures such as water, electrical, gas, sewer, and cathodic protection wire detected by induction methodologies. Soil boring locations were chosen in order to permit the safest placement of planned soil borings, as required by Ecology.

Ground Penetrating Radar Survey:

A Ground Penetrating Radar ("GPR") Survey conducted by Utilities Plus Locating Services staff on January 11, 2021. Utilities Plus staff employed Radar equipment utilizing Dual Frequency Antennae (300 MHz/800 MHz) manufactured by Geophysical Survey Systems. The GPR survey confirmed the extent of five USTs situated southeast of the Chevron pump island location on Site, confirmed depths of utilities and, to a lesser extent, the flexible product piping. The tops of tanks were detected at nearly 3 feet beneath the surface feet below the paved surface, as were the product lines.

Site Check Activities (Tanks 4 & 5):

On January 11 and 12, 2021, Standard Environmental Probe ("Standard") advanced ten soil borings, designated AB1 through AB10 using air knife and vacuum equipment and/or a truck-mounted direct push, under the direction of Aerotech. All the work was performed during business hours. No unusual or unforeseen circumstances occurred during the Site activities. All soil amassed during the Site Check is stored onsite, in a 55-Gallon drum labeled with appropriate contact information and contents detail.

Site Check Interpretation:

Aerotech conducted this Site Check in response to failed tests by diesel fuel USTs Tanks 4 and 5: Precision Containment Sump Testing conducted by Northwest Tank in April of 2020 and Tank Tightness Testing, also by Northwest Tank, in June 2020 (WAC 173-360A-0720(2)³).

In September 2018, Aerotech installed MW15 as a compliance well (Figure 4), product was present in the well, just east of the Gearjammer sign and adjacent to Rudkin Road. Subsequently, in March 2019, Aerotech mobilized to the Site conducted an assessment for the purposes of determining where the product was sourced (results can be found in data tables attached to this report).

Groundwater Monitoring Well MW20 was installed in March 2019 and contained TPHd concentrations since the first sampling event, in May 2019. Product appeared for the first time in December of that year. Gearjammer Tank Testing documents reveal that all systems passed in February 2019, but by April 2020, systems have failed.

In addition to the product in MW20 reference, the table below directly compares samples collected from Aerotech's March 2019 Investigation with the UST Site Check samples at very similar locations. The first two pairs in the series are separated laterally by approximately 4 feet, while the third pair is separated by 10 feet. Differences in depths could be due to using a hollow-stem auger versus a direct push rig. All samples were collected from the capillary fringe (All of this information is provided for context and for quick use by Ecology).

Sample ID	Date	Depth	TPHd Feet BGS	Sample ID	Date	Depth Feet BGS	TPHd mg/kg
B81(15)	03/19/19	15	6,800	AB5(13.5)	01/12/21	13.5	5,900
B82(12)	03/19/19	12	2,600	AB6(14)	01/11/21	14	4,500
B83(12)	03/19/19	12	4,100	AB7(14)	01/12/21	14	3,600

3 SAMPLING RATIONALE

Soil Sampling

Soil Boring AB1 was advanced just north of UST 4 and adjacent to the fuel conveyance lines due to the potential for a preferential pathway. Soil Boring AB2 was advanced upgradient of the UST Basin, north of Tank 1 and immediately north of the southeastern Chevron pump island and its associated piping. AB3 was advanced to assess the side/upgradient area to the southwest of the USTs. AB4 was advanced as the southern soil boring for Tank 4 and adjacent to the vent lines. The purpose of AB5 was to serve at the southern location to Tank 5. It was initially attempted south of Tank 5, but a utility was encountered. The location was moved to the south and east and advanced just south of the water line and more downgradient of the area of concern. Soil Boring AB6 was advanced as the southeastern location for Tanks 4 and 5, while Soil Boring AB7 serves as the northeastern location. Soil Boring AB8 was advanced 50-feet from AB1 and along the flexible conveyance piping. AB9 was advanced near the subsurface valve manifold where multiple conveyance lines join. Soil Boring AB10 was advanced as the northern location to Tank 5 and is also adjacent and downgradient to where the fuel conveyance lines exit the UST Basin.

Groundwater Sampling

Grab groundwater sampling locations were prioritized to ensure that downgradient locations to the southern and eastern locations were utilized. AB4 is the southern location for Tank 4, while AB5 is the southern location for Tank 5 and the most downgradient of groundwater samples. AB6 served as the southern sample on the east side. In lieu of collecting a sample from AB7, groundwater monitoring well MW20 was sampled instead, per guidance.

Analysis Narrative

The analytical parameters were chosen based upon TPHd testing requirements listed in the MTCA Table 830-1. Upgradient locations that did not exhibit any evidence of contamination in the field, whether by observation or use of the PID, were analyzed only for TPHd by NWTPH-Dx. Samples collected immediately in the vicinity of Tanks 4 and 5 were also analyzed for BTEX via EPA Method 8021. From those samples, the select ones that exhibited the most apparent contamination and/or provided better coverage were also analyzed for Naphthalenes via EPA Method 8270 SIM.

Petroleum Hydrocarbons –Diesel, Oil, Naphthalenes, and BTEX:

Four soil samples collected contained TPHd at concentrations above the MTCA Method A Cleanup Level (AB5(13.5), AB6(14), AB7(14), and AB10(14), while one of those samples also contained Benzene above the MTCA Method A Cleanup Level (AB4(13.5). Additionally, one sample (AB2(4)) contained TPHo at a concentration above the MTCA Method A Cleanup Level. The remaining samples did not contain and petroleum hydrocarbons above the MTCA Method A Cleanup Level.

Analytical Methodology:

The analytical parameters were chosen based upon TPHd testing requirements listed in the MTCA Table 830-1. Comprehensive characterization of the subsurface soils and groundwater present at the Site Areas of Concern and to comply with State of Washington recommendations.

Soil/Groundwater: **Total Petroleum Hydrocarbons as Diesel (“TPHd”) and Oil (“TPHo”)**
State of Washington Method NWTPH-Dx/Dx Extended

Soil/Groundwater: **Benzene, Ethylbenzene, Toluene, and Xylenes**
EPA Method 8021B

Soil: **Naphthalene, 1-Methylnaphthalene, & 2-Methylnaphthalene**
EPA Method 8270 SIM

Laboratory Analysis:

Laboratory analysis was provided by:

ALS
8620 Holly Drive, Suite 100
Everett, WA 98208
425 356 2600
www.alsglobal.com

4 FIELD METHODS & PROCEDURES

Field Methods and Procedures

Equipment:

- ☐ Sampling and Analyses Plan (SAP)
- ☐ Site-specific sampling plan
- ☐ Sample location map
- ☐ Sample table
- ☐ Safety equipment, as specified in the Health and Safety Plan
- ☐ Permanent pens/marker (e.g. Sharpies®)
- ☐ Site logbook and/or sampling form
- ☐ Camera
- ☐ Screening equipment (e.g. Photoionization detector (PID))
- ☐ Survey stakes or flags
- ☐ Tape measure or measuring wheel
- ☐ Plastic sheet
- ☐ Soil collection device, heavy equipment (e.g. spoons spade shovel, hand auger, hollow stem auger – split spoon sampler, direct push rig – macro core, shelby tube, backhoe)
- ☐ Syringes for EPA Method 5035
- ☐ Syringe tool for EPA Method 5035 (e.g. En Core® sampler)
- ☐ Pre-weighed and preserved sample vials for EPA Method 5035
- ☐ Sample containers, precleaned (e.g., I-Chem)

- ☐ Chain-of-custody forms, custody seals, sample labels
- ☐ Ziploc® Bags
- ☐ Insulated cooler
- ☐ Ice
- ☐ Plastic bags for sample containers and ice
- ☐ Decontamination equipment including tap water and/or deionized water and phosphate free soap (e.g. Alconox®, Liquinox®)
- ☐ Drilling rig (e.g. hollow stem auger, air/mud rotary, direct push, or sonic)
- ☐ Disposable acetate liners for direct push
- ☐ Decontamination equipment such as pressure washer to decontaminate rig and bucket with water and phosphate-free soap (e.g. Alconox®, Liquinox®) for split spoon samplers

Field Screening:

Aerotech field staff place soil from sampling interval into a plastic re-sealable bag. The bag is then labeled with the sample number. The tip of a photoionization detector (PID) or similar device is inserted through the plastic bag to measure organic vapor concentrations in the headspace. The highest sustained PID measurement is recorded on the boring log. At a minimum, the PID or organic vapor monitoring device is calibrated on a daily basis in accordance with manufacturer's specifications using a hexane or isobutylene standard. The calibration gas and concentration are recorded on a calibration log. Instruments such as the PID are useful for evaluating relative concentrations of volatilized hydrocarbons, but they do not measure the concentration of petroleum hydrocarbons in the soil matrix with the same precision as laboratory analysis. Aerotech trained personnel describe the soil in the bag according to the Unified Soil Classification System and record the description on the boring log, sampling form or logbook. Selected soil samples for analysis are then placed in a cooler chilled to 4° Celsius and transported to a state-certified laboratory under chain-of custody (COC) protocol.

Soil Sampling:

Aerotech field personnel are to review the SAP for sample locations and analysis as well as obtain photograph(s) of the material before sampling. If the soil sample is to be a discrete sample, collect soil using a clean/decontaminated stainless-steel (organic analyses) or plastic (inorganic analyses) spoon. If the soil sample is to be a composite, collect soil from all locations to be sampled into one stainless-steel (organic analyses) or plastic (inorganic analyses) bowl and homogenize the soil. If the soil sample is to be a discrete sample for volatile analyses, collect soil using a syringe and place into appropriate pre-weighed sample vial (Volatiles samples may not be composited.).

Next, use the syringe, stainless-steel or plastic spoon to transfer soil sample as appropriate into sample container as specified by the analytical test method. Label and manage sample containers. Decontaminate sampling equipment between each sampling event with a non-phosphate solution, followed by a minimum of two tap water rinses. Deionized water may be used for the final rinse. Ensure activities are well documented in the site logbook or on a designated sampling form. (i.e., collection method, presence of sheen or odor and PID measurement.

Groundwater Sampling:

In the event that undeveloped grab-groundwater samples are necessary for the scope of work, a temporary well screen is placed across the desired interval of the soil boring. The sample can be collected via disposable bailer or peristaltic pump and disposable tubing. Additionally, if direct push technology has been utilized for advancing the soil boring, a groundwater sample, is collected from the boring by using Hydropunch™ sampling technology. In the case of using Hydropunch™ technology, after collecting the capillary fringe soil sample, the boring is advanced to the top of the soil/groundwater interface and a sampling probe is pushed to approximately 2 feet below the top of the static water level. The probe is opened by partially withdrawing it and thereby exposing the screen. New polyethylene tubing with a peristaltic pump or

decontaminated bailer is used to collect a water sample from the probe. The water sample is then emptied into laboratory-supplied containers constructed of the correct material and with the correct volume and preservative to comply with the proposed laboratory test. The container is slowly filled with the retrieved water sample until no headspace remains and then promptly sealed with a Teflon-lined cap, checked for the presence of bubbles, labeled, entered onto a COC record and placed in chilled storage at 4° Celsius. Laboratory-supplied trip blanks accompany the water samples as a quality assurance/quality control procedure. Equipment blanks may be collected as required. The samples are kept in chilled storage and transported under COC protocol to a client-approved, state-certified laboratory for analysis.

Decontamination Procedures

Aerotech and/or the contracted driller decontaminate soil and water sampling equipment between each sampling event with a non-phosphate solution, followed by a minimum of two tap water rinses. Deionized water may be used for the final rinse. Downhole drilling equipment is steam-cleaned prior to drilling the borehole and at completion of the borehole.

5 SAMPLE CONTAINERS & PRESERVATION

Soil Samples

Soil samples are collected in precleaned 4-ounce jars and 40-milliliter VOAs. In accordance with EPA Method 5035 the 40 milliliter VOA are preserved with methanol. The jars are unpreserved. All containers are logged on a chain of custody.

Water Samples

Water samples are collected in precleaned 40-milliliter VOAs and 500mL Amber bottles. Both preserved with hydrochloric acid. All containers are logged on a chain of custody.

Packaging and Shipping

Bubble wrap and foam packaging, were utilized in the transport of the sampled under chain of custody. All samples are placed on ice to keep the temperature of samples at 4 degrees Celsius. All samples were delivered to ALS Environmental on January 13, 2021.

STATEMENT OF THE UST SITE ASSESSOR

I have observed this UST Removal and Decommissioning and can confirm that it was performed in accordance with generally accepted environmental practices, procedures, and regulatory requirements, as of the date of this Report. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of this part. I have the specific qualifications based upon education, training, and experience necessary to conduct Remedial Investigations.

Signature of Washington Certified UST Site Assessor:



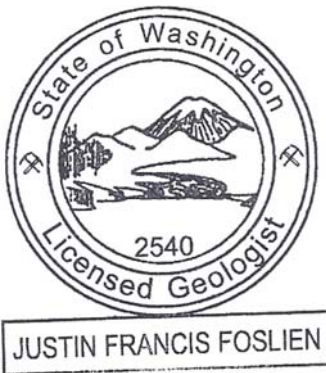
Signature – Nicholas Gerkin (Certificate No. 8452487)

STATEMENT OF THE LICENSED GEOLOGIST

As stipulated in the Regulatory Code of the State of Washington Title 18, Chapter 18.220, the undersigned is a licensed Geologist in the State of Washington, and has met the statutory requirements of RCW § 18.220.060 for such licensing including, but not limited to, educational requirements, work and field experience, examination proficiency, and acceptance by the State Licensing Board.

The undersigned Licensed Geologist has supervised the geological work performed as described in attached Report – a majority of said work being performed by employees of the firm which employs undersigned Licensed Geologist – as delineated in RCW Title 18, Chapter 18.220, Paragraph 190.

Signature of Licensed Washington Geologist:



Signature – Justin Francis Foslien (License No. 2540)

APPENDIX

- Tables & Figures
- Laboratory Analytical Report
- Boring Logs
- Photographs
- Supplemental Ecology Documentation

- Tables & Figures

TABLE 1
SOIL ANALYTICAL RESULTS
Gearjammer Truck Plaza (Diesel Fueling Area)
2310 Rudkin Road
Union Gap, Washington

Aerotech Environmental Consulting, Inc. - Site Check Report - January 29, 2021

Sample ID	Soil Boring Well ID	Sampling Date	Sample Depth	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Naphthalene	1-Methyl Naphthalene	2-Methyl Naphthalene
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
AB1(3)	AB1	01/11/21	3	<25	<50	--	--	--	--	--	--	--
AB1(14)	AB1	01/11/21	14	92	<50	--	--	--	--	--	--	--
AB2(4) ^A	AB2	01/11/21	4	620	4,300	--	--	--	--	--	--	--
AB2(15)	AB2	01/11/21	15	<25	<50	--	--	--	--	--	--	--
AB3(6)	AB3	01/11/21	6	<25	<50	--	--	--	--	--	--	--
AB3(14)	AB3	01/11/21	14	<25	<50	--	--	--	--	--	--	--
AB4(3)	AB4	01/11/21	3	<25	<50	--	--	--	--	--	--	--
AB4(14)	AB4	01/11/21	14	250	<50	<0.030	<0.050	<0.050	<0.20	<0.020	<0.020	<0.020
AB5(13.5)	AB5	01/12/21	13.5	5,900	<500	0.048	<0.050	1.8	5.2	1.100	1.600	2.600
AB6(2.5)	AB6	01/11/21	2.5	<25	<50	<0.030	<0.050	<0.050	<0.20	--	--	--
AB6(14)	AB6	01/11/21	14	4,500	<250	<0.030	<0.050	0.79	2.9	0.850	1.500	2.300
AB7(4)	AB7	01/12/21	4	<25	<50	<0.030	<0.050	<0.050	<0.20	--	--	--
AB7(14)	AB7	01/12/21	14	3,600	<250	<0.030	<0.050	0.760	2.1	0.780	1.400	1.900
AB8(3)	AB8	01/11/21	3	71	<50	--	--	--	--	--	--	--
AB9(3)	AB9	01/11/21	3	<25	<50	<0.030	<0.050	<0.050	<0.20	--	--	--
AB10(14)	AB10	01/12/21	14	6,400	<500	<0.030	<0.050	0.11	<0.20	1.200	2.700	3.400
MTCA Method A Cleanup Levels				2,000	2,000	0.03	7	6	6	5	34*	--

EXPLANATION

MTCA = Model Toxic Control Act Cleanup Level (WAC173-340-900)

BGS = Below Ground Surface mg/kg = milligram of analyte per kilogram of soil

< = not detected at indicated Laboratory Detection Limits -- = not analyzed

Benzene , Toluene, Ethylbenzene, Xylenes by EPA Method 8021B

TPHg - Total Petroleum Hydrocarbons - Gasoline by NWTPH-Gx

TPHd - Total Petroleum Hydrocarbons - Diesel by NWTPH-Dx

TPHo - Total Petroleum Hydrocarbons - Motor Oil by NWTPH-Dx extended

Bolded numbers and red-shaded cells denote concentrations above the MTCA Method A Cleanup Levels for soil

* = Method B Cleanup Level, Ecology does not have a Method A Cleanup Level designated for EDC

A = Sample was analyzed for TPHd and TPHo after silica gel procedure, additional information may be found in the laboratory report

TABLE 2

GRAB GROUNDWATER ANALYTICAL RESULTS

Gearjammer Truck Plaza

2310 Rudkin Road

Union Gap, Washington

1 of 1

Aerotech Environmental Consulting, Inc. - Site Check Report- January 29, 2021

Sample ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	TPH	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes
			Feet BGS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
AB4(W)	AB4	01/11/21	--	--	--	1,200	<250	<1.0	<1.0	<1.0	<3.0
AB5(W)	AB5	01/12/21	--	--	--	51,000	<5,000	<1.0	<1.0	6.6	12
AB6(W)	AB6	01/11/21	--	--	--	29,000	<2,500	<1.0	<1.0	19	67
MW20(W) ¹	MW20	01/11/21	--	--	--	5,600	<500	1.3	<1.0	55	170
MTCA Method A Cleanup Levels					800	500	500	5	1000	700	1,000

EXPLANATION

MTCA = Model Toxic Control Act Cleanup Level (WAC173-340-900)

BGS = Below Ground Surface mg/kg = milligram of analyte per kilogram of soil

< = not detected at indicated Laboratory Detection Limits -- = not analyzed

Benzene , Toluene, Ethylbenzene, Xylenes by EPA Method 8021B

TPH - Total Petroleum Hydrocarbons by EPA Method 418.1

TPHg - Total Petroleum Hydrocarbons - Gasoline by NWTPH-Gx

TPHd - Total Petroleum Hydrocarbons - Diesel by NWTPH-Dx

TPHo - Total Petroleum Hydrocarbons - Motor Oil by NWTPH-Dx extended

Bolded numbers and red-shaded cells denote concentrations above the MTCA Method A Cleanup Levels for soil

1 = Grab sample collected from MW20 in lieu of AB7 per the UST Site Check Guidance

TABLE 3 : GROUNDWATER ANALYTICAL RESULTS - MW20

Gearjammer Truck Plaza

2310 Rudkin Road

Union Gap, Washington

1 of 1

MW20

Installed March 2019

Well Depth	Sampling Date	Ground Water Level	Elevation (TOC north)	Water Level Elevation	Product Level	Product Thickness	TPHg	TPHd	TPHo	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	1-Methyl-Naphthalene	2-Methyl-Naphthalene
Feet		Feet Below TOC	Feet Above MSL	Feet Above MSL	Feet Below TOC	Feet	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	05/15/19	11.26	992.33	981.07	--	--	1,900	3,600	900	4.60	<1.0	35	38	--	--	--
	08/22/19	10.60	992.33	981.73	--	--	4,900	4,200	<250	3.20	9.50	43	290	--	--	--
	12/04/19	11.32	992.33	981.01	11.03	0.29	4,900	5.7x10 ⁷	<6.4x10 ⁵	10	61	50	310	--	--	--
	03/11/20	12.66	992.33	979.67	11.41	1.25	Well Not Sampled After Product Measurement									
	06/24/20	11.55	992.33	980.78	11.04	0.51	Well Not Sampled After Product Measurement									
	09/14/20	10.57	992.33	981.76	--	--	5,000	4,700	670	3.2	11	65	460	--	--	--
	12/07/20	10.96	992.33	981.37	--	--	5,600	3,300	<250	1.7	2	71	340	20	14	5.0
MTCA Method A Cleanup Levels							800/1000*	500 ¹		5	1,000	700	1,000	160	560 [^]	32 [^]

EXPLANATION

MTCA = Model Toxic Control Act Cleanup Level (WAC 173-340-900)

TOC = Top of Casing MSL = Mean Sea Level

< = not detected at indicated Laboratory Detection Limits -- not analyzed NM = Not Measured

TPHd - Total Petroleum Hydrocarbons - Gasoline by Method NWTPH-Gx

TPHd - Total Petroleum Hydrocarbons - Diesel by Method NWTPH-Dx

TPHo - Total Petroleum Hydrocarbons - Motor Oil by Method NWTPH-Dx extended

Benzene, Toluene, Ethylbenzene and Xylenes by EPA Method 8021B Lead by EPA Method 200.8

* = 800 µg/L can only be used if no benzene is present at the site and the total of ethylbenzene, toluene and xylene do not exceed 1% of the gasoline mixture.

[^] = Denotes Method B Non-Cancer Cleanup Level. 1-Methylnaphthalene and 2-Methylnaphthalene each do not have a listed MTCA Method A Cleanup Level

1 = Diesel range organics includes the sum of diesel fuels and heavy oils measured using the NWTPH-Dx method.



Gearjammer, Union Gap, Washington



AEROTECH

ENVIRONMENTAL CONSULTING

REGIONAL MAP

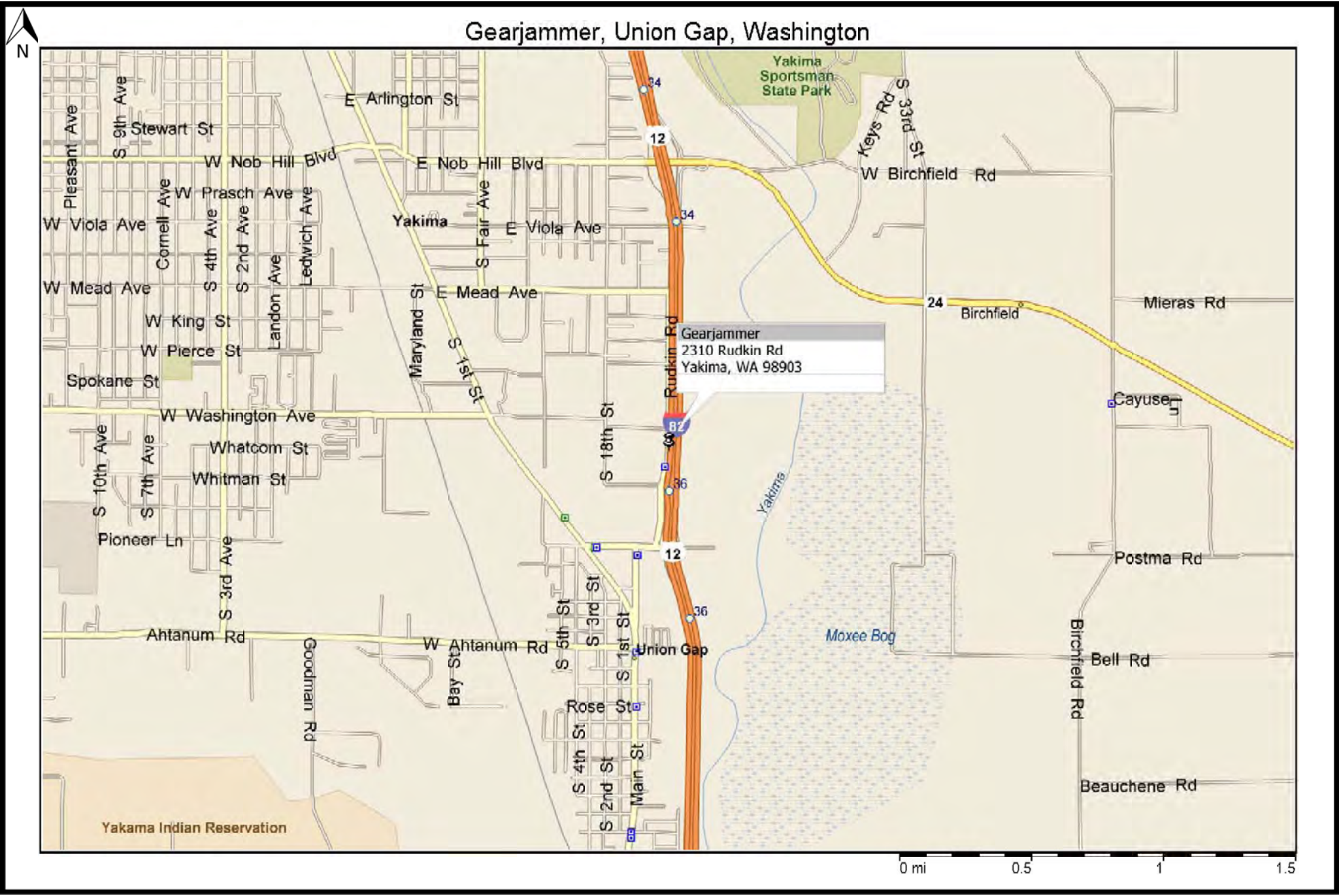
Gearjammer Truck Plaza
2310 Rudkin Road
Union Gap, Washington

Date: 05/30/17

By: Nick Gerkin

Figure:

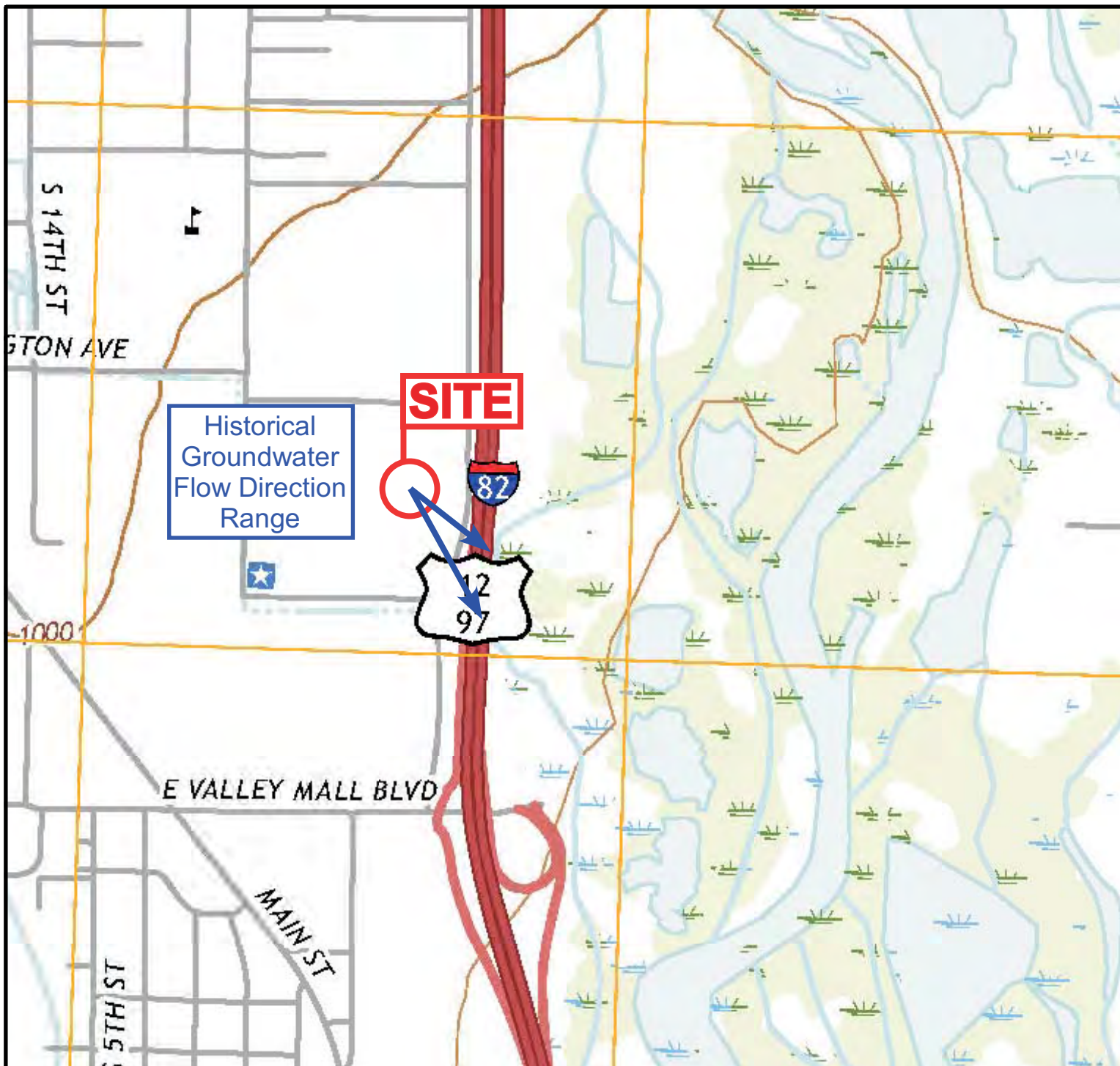
1



NEIGHBORHOOD MAP

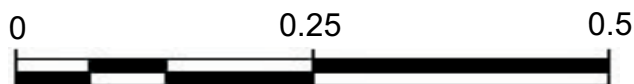
Gearjammer Truck Plaza
2310 Rudkin Road
Union Gap, Washington

Date: 05/30/17
By: Nick Gerkin
Figure: 2



UTM GRID AND 2017 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

1° 52' 33" M
GN 15° 13' 27" M



SCALE (mile)

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988



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**USGS TOPOGRAPHIC
MAP**

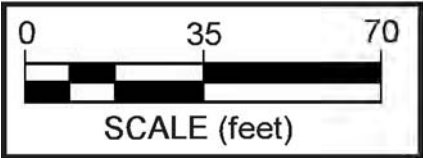
Gearjammer Truck Plaza
2310 Rudkin Road
Union Gap, Washington

Date: 01/27/21

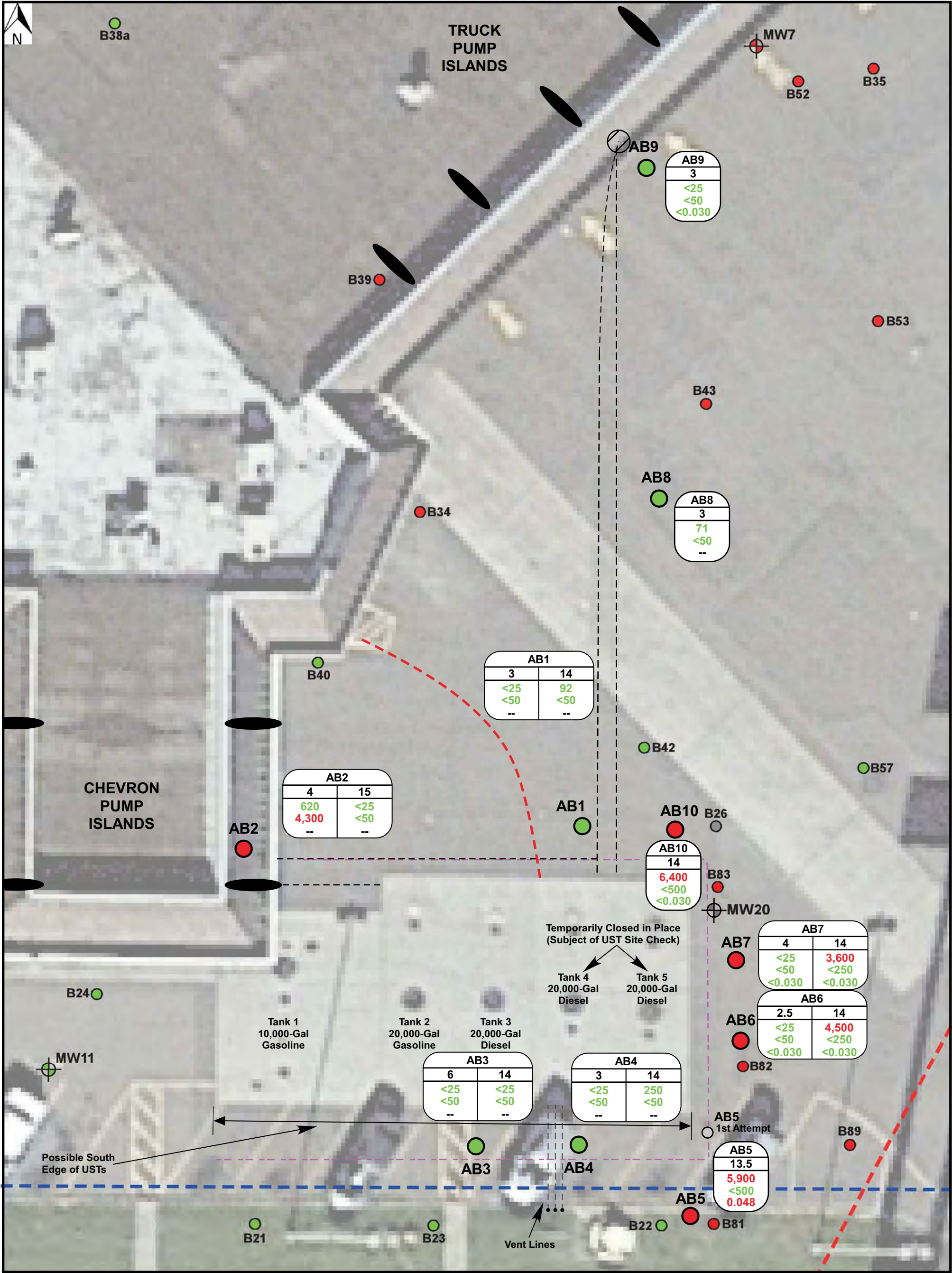
By: Nick Gerkin

Figure:

3



EXPLANATION			
MW26	Groundwater Monitoring Well		Property Boundary
B96	Soil Boring	SS3	Subslab Sampling Point
	Water		Extent of Figures 5 & 6 (AOC for Site Check)
	Gas		
	Electrical		
	Storm Water		



Green numbers and symbols indicate concentrations below the MTCA Method A Cleanup Levels

Red numbers and symbols indicate concentrations above the MTCA Method A Cleanup Levels

Gray numbers and symbols indicate that no sample was analyzed from that specific location



MW26		EXPLANATION		AB10	
	Groundwater Monitoring Well		Property Boundary		Soil Boring ID
	Soil Boring		Cathodic Protection		Depth (ft.)
			Water Supply		TPHd
			Gas		TPHo
			Electrical		Benzene
			Storm Water	All Concentrations are reported in mg/kg	

SOIL ANALYTICAL RESULTS MAP		Gearjammer Truck Plaza 2310 Rudkin Road Union Gap, Washington		Date: 12/10/19
				By: Nick Gerkin
				Figure: 5

- Laboratory Analytical Reports



January 21, 2021

Mr. Nick Gerkin
Aerotech Environmental Consulting, Inc.
13925 Interurban Ave S., Suite 210
Seattle, WA 98168

Dear Mr. Gerkin,

On January 13th, 20 samples were received by our laboratory and assigned our laboratory project number EV21010083. The project was identified as your Gearjammer. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: Aerotech Environmental Consulting, Inc.
13925 Interurban Ave S., Suite 210
Seattle, WA 98168

DATE: 1/21/2021
ALS JOB#: EV21010083
ALS SAMPLE#: EV21010083-01

CLIENT CONTACT: Nick Gerkin
CLIENT PROJECT: Gearjammer
CLIENT SAMPLE ID: AB1 (3)

DATE RECEIVED: 01/13/2021
COLLECTION DATE: 1/11/2021 9:15:00 AM
WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/18/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/18/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	81.8	01/18/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-02
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 10:25:00 AM
CLIENT SAMPLE ID	AB1 (14)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	92	25	1	MG/KG	01/18/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/18/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	86.6	01/18/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains extremely weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-03
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 11:05:00 AM
CLIENT SAMPLE ID	AB2 (4)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	1200	50	MG/KG	01/18/2021	JNF
TPH-Oil Range	NWTPH-DX	4500	2500	50	MG/KG	01/18/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25 50X Dilution	NWTPH-DX	U, SUR07	01/18/2021	JNF

SUR07 -The surrogate recovery could not be determined due to dilution below the calibration range.
 U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains lube oil.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-04
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 11:50:00 AM
CLIENT SAMPLE ID	AB2 (15)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/18/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/18/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	85.9	01/18/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-05
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 10:30:00 AM
CLIENT SAMPLE ID	AB4 (3)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/19/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	85.7	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-06
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 12:30:00 PM
CLIENT SAMPLE ID	AB4 (14)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	01/14/2021	KLS
Toluene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Xylenes	EPA-8021	U	0.20	1	MG/KG	01/14/2021	KLS
TPH-Diesel Range	NWTPH-DX	250	25	1	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/19/2021	JNF
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	01/19/2021	JMK
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	01/19/2021	JMK
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	01/19/2021	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	69.9	01/14/2021	KLS
C25	NWTPH-DX	95.3	01/19/2021	JNF
Terphenyl-d14	EPA-8270 SIM	89.2	01/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-07
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 12:45:00 PM
CLIENT SAMPLE ID	AB4 (W)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	01/15/2021	KLS
Toluene	EPA-8021	U	1.0	1	UG/L	01/15/2021	KLS
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	01/15/2021	KLS
Xylenes	EPA-8021	U	3.0	1	UG/L	01/15/2021	KLS
TPH-Diesel Range	NWTPH-DX	1200	130	1	UG/L	01/18/2021	JNF
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	01/18/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	88.5	01/15/2021	KLS
C25	NWTPH-DX	95.3	01/18/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-08
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 1:55:00 PM
CLIENT SAMPLE ID	AB3 (6)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/19/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	80.5	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-09
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 2:10:00 PM
CLIENT SAMPLE ID	AB3 (14)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/19/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	87.5	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-10
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 2:40:00 PM
CLIENT SAMPLE ID	MW20 (W)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	1.3	1.0	1	UG/L	01/15/2021	KLS
Toluene	EPA-8021	U	1.0	1	UG/L	01/15/2021	KLS
Ethylbenzene	EPA-8021	55	1.0	1	UG/L	01/15/2021	KLS
Xylenes	EPA-8021	170	3.0	1	UG/L	01/15/2021	KLS
TPH-Diesel Range	NWTPH-DX	5600	260	2	UG/L	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	500	2	UG/L	01/19/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	98.4	01/15/2021	KLS
C25 2X Dilution	NWTPH-DX	88.6	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-11
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 4:00:00 PM
CLIENT SAMPLE ID	AB6 (2.5)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	01/14/2021	KLS
Toluene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Xylenes	EPA-8021	U	0.20	1	MG/KG	01/14/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/19/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	78.7	01/14/2021	KLS
C25	NWTPH-DX	98.9	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-12
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 4:15:00 PM
CLIENT SAMPLE ID	AB6 (14)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	01/14/2021	KLS
Toluene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Ethylbenzene	EPA-8021	0.79	0.050	1	MG/KG	01/14/2021	KLS
Xylenes	EPA-8021	2.9	0.20	1	MG/KG	01/14/2021	KLS
TPH-Diesel Range	NWTPH-DX	4500	120	5	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	250	5	MG/KG	01/19/2021	JNF
Naphthalene	EPA-8270 SIM	850	20	1	UG/KG	01/19/2021	JMK
2-Methylnaphthalene	EPA-8270 SIM	2300	20	1	UG/KG	01/19/2021	JMK
1-Methylnaphthalene	EPA-8270 SIM	1500	20	1	UG/KG	01/19/2021	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	99.0	01/14/2021	KLS
C25 5X Dilution	NWTPH-DX	52.0 SUR08	01/19/2021	JNF
Terphenyl-d14	EPA-8270 SIM	86.3	01/19/2021	JMK

SUR08 -Surrogate recovery is unavailable due to sample matrix interference. Target analytes were not affected by the interference. No qualification is necessary.

U - Analyte analyzed for but not detected at level above reporting limit.

Chromatogram indicates that it is likely that sample contains highly weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-13
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 4:30:00 PM
CLIENT SAMPLE ID	AB6 (W)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	01/15/2021	KLS
Toluene	EPA-8021	U	1.0	1	UG/L	01/15/2021	KLS
Ethylbenzene	EPA-8021	19	1.0	1	UG/L	01/15/2021	KLS
Xylenes	EPA-8021	67	3.0	1	UG/L	01/15/2021	KLS
TPH-Diesel Range	NWTPH-DX	29000	1300	10	UG/L	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	2500	10	UG/L	01/19/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	96.0	01/15/2021	KLS
C25 10X Dilution	NWTPH-DX	136 SUR07	01/19/2021	JNF

SUR07 -The surrogate recovery could not be determined due to dilution below the calibration range.

U - Analyte analyzed for but not detected at level above reporting limit.

Chromatogram indicates that it is likely that sample contains highly weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-14
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/12/2021 9:35:00 AM
CLIENT SAMPLE ID	AB5 (13.5)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	0.048	0.030	1	MG/KG	01/14/2021	KLS
Toluene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Ethylbenzene	EPA-8021	1.8	0.050	1	MG/KG	01/14/2021	KLS
Xylenes	EPA-8021	5.2	0.20	1	MG/KG	01/14/2021	KLS
TPH-Diesel Range	NWTPH-DX	5900	250	10	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	500	10	MG/KG	01/19/2021	JNF
Naphthalene	EPA-8270 SIM	1100	20	1	UG/KG	01/20/2021	JMK
2-Methylnaphthalene	EPA-8270 SIM	2600	20	1	UG/KG	01/20/2021	JMK
1-Methylnaphthalene	EPA-8270 SIM	1600	20	1	UG/KG	01/20/2021	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	81.8	01/14/2021	KLS
C25 10X Dilution	NWTPH-DX	118	01/19/2021	JNF
Terphenyl-d14	EPA-8270 SIM	83.1	01/20/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-15
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/12/2021 9:45:00 AM
CLIENT SAMPLE ID	AB5 (W)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	1.0	1	UG/L	01/15/2021	KLS
Toluene	EPA-8021	U	1.0	1	UG/L	01/15/2021	KLS
Ethylbenzene	EPA-8021	6.6	1.0	1	UG/L	01/15/2021	KLS
Xylenes	EPA-8021	12	3.0	1	UG/L	01/15/2021	KLS
TPH-Diesel Range	NWTPH-DX	51000	2600	20	UG/L	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	5000	20	UG/L	01/19/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	95.7	01/15/2021	KLS
C25 20X Dilution	NWTPH-DX	15.0 SUR07	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

SUR07 -The surrogate recovery could not be determined due to dilution below the calibration range.

Chromatogram indicates that it is likely that sample contains highly weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-16
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/12/2021 8:50:00 AM
CLIENT SAMPLE ID	AB7 (4)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	01/14/2021	KLS
Toluene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Xylenes	EPA-8021	U	0.20	1	MG/KG	01/14/2021	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/19/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	78.2	01/14/2021	KLS
C25	NWTPH-DX	93.0	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-17
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/12/2021 8:55:00 AM
CLIENT SAMPLE ID	AB7 (14)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	01/14/2021	KLS
Toluene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Ethylbenzene	EPA-8021	0.76	0.050	1	MG/KG	01/14/2021	KLS
Xylenes	EPA-8021	2.1	0.20	1	MG/KG	01/14/2021	KLS
TPH-Diesel Range	NWTPH-DX	3600	120	5	MG/KG	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	250	5	MG/KG	01/19/2021	JNF
Naphthalene	EPA-8270 SIM	780	20	1	UG/KG	01/20/2021	JMK
2-Methylnaphthalene	EPA-8270 SIM	1900	20	1	UG/KG	01/20/2021	JMK
1-Methylnaphthalene	EPA-8270 SIM	1400	20	1	UG/KG	01/20/2021	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	74.6	01/14/2021	KLS
C25 5X Dilution	NWTPH-DX	48.0 SUR08	01/19/2021	JNF
Terphenyl-d14	EPA-8270 SIM	83.6	01/20/2021	JMK

SUR08 -Surrogate recovery is unavailable due to sample matrix interference. Target analytes were not affected by the interference. No qualification is necessary.

U - Analyte analyzed for but not detected at level above reporting limit.

Chromatogram indicates that it is likely that sample contains highly weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-18
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 11:45:00 AM
CLIENT SAMPLE ID	AB8 (3)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/20/2021	JNF
TPH-Oil Range	NWTPH-DX	71	50	1	MG/KG	01/20/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	98.1	01/20/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains an unidentified oil range product.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-19
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 12:55:00 PM
CLIENT SAMPLE ID	AB9 (3)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	01/20/2021	JNF
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	01/20/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	83.1	01/20/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/21/2021
		ALS JOB#:	EV21010083
		ALS SAMPLE#:	EV21010083-20
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/13/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/12/2021 10:00:00 AM
CLIENT SAMPLE ID	AB10 (14)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	0.030	1	MG/KG	01/14/2021	KLS
Toluene	EPA-8021	U	0.050	1	MG/KG	01/14/2021	KLS
Ethylbenzene	EPA-8021	0.11	0.050	1	MG/KG	01/14/2021	KLS
Xylenes	EPA-8021	U	0.20	1	MG/KG	01/14/2021	KLS
TPH-Diesel Range	NWTPH-DX	6400	250	10	MG/KG	01/20/2021	JNF
TPH-Oil Range	NWTPH-DX	U	500	10	MG/KG	01/20/2021	JNF
Naphthalene	EPA-8270 SIM	1200	60	3	UG/KG	01/20/2021	JMK
2-Methylnaphthalene	EPA-8270 SIM	3400	60	3	UG/KG	01/20/2021	JMK
1-Methylnaphthalene	EPA-8270 SIM	2700	60	3	UG/KG	01/20/2021	JMK

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	EPA-8021	71.5	01/14/2021	KLS
C25 10X Dilution	NWTPH-DX	22.6 SUR07	01/20/2021	JNF
Terphenyl-d14 3X Dilution	EPA-8270 SIM	112	01/20/2021	JMK

SUR07 -The surrogate recovery could not be determined due to dilution below the calibration range.

U - Analyte analyzed for but not detected at level above reporting limit.

Chromatogram indicates that it is likely that sample contains highly weathered diesel.

CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE: 1/21/2021 ALS SDG#: EV21010083 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Nick Gerkin	
CLIENT PROJECT:	Gearjammer	

LABORATORY BLANK RESULTS
MB-011421S - Batch 161623 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	01/14/2021	KLS
Toluene	EPA-8021	U	MG/KG	0.050	01/14/2021	KLS
Ethylbenzene	EPA-8021	U	MG/KG	0.050	01/14/2021	KLS
Xylenes	EPA-8021	U	MG/KG	0.20	01/14/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-011521W - Batch 161671 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	UG/L	1.0	01/15/2021	KLS
Toluene	EPA-8021	U	UG/L	1.0	01/15/2021	KLS
Ethylbenzene	EPA-8021	U	UG/L	1.0	01/15/2021	KLS
Xylenes	EPA-8021	U	UG/L	3.0	01/15/2021	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-011421S - Batch 161763 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-011921S - Batch 161765 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	01/20/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	01/20/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-011321W - Batch 161659 - Water by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	01/17/2021	JNF
TPH-Oil Range	NWTPH-DX	U	UG/L	250	01/17/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT: Aerotech Environmental Consulting, Inc.
 13925 Interurban Ave S., Suite 210
 Seattle, WA 98168
DATE: 1/21/2021
ALS SDG#: EV21010083
WDOE ACCREDITATION: C601
CLIENT CONTACT: Nick Gerkin
CLIENT PROJECT: Gearjammer

LABORATORY BLANK RESULTS
MB-011921S - Batch 161743 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
2-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
1-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	01/19/2021	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Aerotech Environmental Consulting,
Inc.
13925 Interurban Ave S., Suite 210
Seattle, WA 98168

DATE: 1/21/2021
ALS SDG#: EV21010083
WDOE ACCREDITATION: C601

CLIENT CONTACT: Nick Gerkin
CLIENT PROJECT: Gearjammer

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 161623 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzene - BS	EPA-8021	104			67.7	124	01/14/2021	KLS
Benzene - BSD	EPA-8021	103	1		67.7	124	01/14/2021	KLS
Toluene - BS	EPA-8021	95.9			71	123	01/14/2021	KLS
Toluene - BSD	EPA-8021	95.1	1		71	123	01/14/2021	KLS
Ethylbenzene - BS	EPA-8021	95.1			69.8	117	01/14/2021	KLS
Ethylbenzene - BSD	EPA-8021	93.8	1		69.8	117	01/14/2021	KLS
Xylenes - BS	EPA-8021	97.2			70	119	01/14/2021	KLS
Xylenes - BSD	EPA-8021	96.2	1		70	119	01/14/2021	KLS

ALS Test Batch ID: 161671 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzene - BS	EPA-8021	100			83	120	01/15/2021	KLS
Benzene - BSD	EPA-8021	103	2		83	120	01/15/2021	KLS
Toluene - BS	EPA-8021	91.6			85	115	01/15/2021	KLS
Toluene - BSD	EPA-8021	92.6	1		85	115	01/15/2021	KLS
Ethylbenzene - BS	EPA-8021	89.6			85	113	01/15/2021	KLS
Ethylbenzene - BSD	EPA-8021	90.8	1		85	113	01/15/2021	KLS
Xylenes - BS	EPA-8021	91.8			85	116	01/15/2021	KLS
Xylenes - BSD	EPA-8021	92.8	1		85	116	01/15/2021	KLS

ALS Test Batch ID: 161763 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	114			75.5	122.1	01/19/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	112	1		75.5	122.1	01/19/2021	JNF

ALS Test Batch ID: 161765 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	97.0			75.5	122.1	01/20/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	102	5		75.5	122.1	01/20/2021	JNF

ALS Test Batch ID: 161659 - Water by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	91.7			67	125.2	01/17/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	94.4	3		67	125.2	01/17/2021	JNF



CERTIFICATE OF ANALYSIS

CLIENT: Aerotech Environmental Consulting, Inc.
13925 Interurban Ave S., Suite 210
Seattle, WA 98168

DATE: 1/21/2021
ALS SDG#: EV21010083
WDOE ACCREDITATION: C601

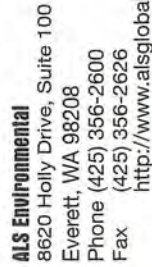
CLIENT CONTACT: Nick Gerkin
CLIENT PROJECT: Gearjammer

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
ALS Test Batch ID: 161743 - Soil by EPA-8270 SIM								
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	MIN	MAX	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	77.6			20	150	01/19/2021	JMK
Naphthalene - BSD	EPA-8270 SIM	86.4	11		20	150	01/19/2021	JMK
2-Methylnaphthalene - BS	EPA-8270 SIM	76.4			20	150	01/19/2021	JMK
2-Methylnaphthalene - BSD	EPA-8270 SIM	84.6	10		20	150	01/19/2021	JMK
1-Methylnaphthalene - BS	EPA-8270 SIM	81.4			20	150	01/19/2021	JMK
1-Methylnaphthalene - BSD	EPA-8270 SIM	90.4	10		20	150	01/19/2021	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	85.5			20	150	01/19/2021	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	98.9	15		20	150	01/19/2021	JMK

APPROVED BY

Laboratory Director



ALS Job# (Laboratory Use Only)

8620 Holly Drive, Suite
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
<http://www.alsg.com>

8620 Holly Drive, Suite
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
<http://www.alsg.com>

<http://www.alsglobal.com>

Date 1/11/21 Page 1 Of 2

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

TURNAROUND REQUESTED in Business Days*
OTHER:
Organic, Metals & Inorganic Analysis

1. Relinquished By: Nicholas Gordon, Herdtech, 1/13/21 1330 1-7
Received By: SW-7597 ALS 1/13/2021 1330

2. Relinquished By:

Received By: _____

*Turnaround request less than standard may incur Rush Charges



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

GV21010083

Date 1/12/21 Page 2 Of 2

PROJECT ID: <u>Genjammer</u>				ANALYSIS REQUESTED														OTHER (Specify)	RECEIVED IN GOOD CONDITION?									
REPORT TO COMPANY: <u>Aerotech</u>																												
PROJECT MANAGER: <u>Nick Gerber</u>																												
ADDRESS: <u>14220 Interurban Ave S #116</u>																												
PHONE: <u>206 482 2287</u>																												
E-MAIL: <u>nick@diystudirt.us</u>																												
INVOICE TO COMPANY: <u>Aerotech (not Colony)</u>																												
ATTENTION:																												
ADDRESS:																												
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8260	MTBE by EPA 8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Pri Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	
1. AB6 (2.5)	1/11/20	1600	S	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2. AB6 (14)	↓	1615	↓	12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3. AB6 (W)	↓	1630	GW	13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4. AB35 (13.5)	1/12	0735	S	14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5. AB5 (W)	↓	0945	GW	15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6. AB7 (4)	↓	0850	S	16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7. AB7 (14)	↓	0855	↓	17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8. AB8 (3)	1/11	1145	↓	18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9. AB9 (3)	↓	1255	↓	19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10. AB10 (14)	1/12	1000	↓	20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Nicholas Gerber, Aerotech 1/13/21 1330

Received By: Sam Fitt ALS 1/13/2021 1330

2. Relinquished By:

Received By:

TURNAROUND REQUESTED in Business Days*
Organic, Metals & Inorganic Analysis

OTHER:
Specify: Standard
10 5 3 2 1
Fuels & Hydrocarbon Analysis
10 5 3 2 1
Standard



January 28, 2021

Mr. Nick Gerkin
Aerotech Environmental Consulting, Inc.
13925 Interurban Ave S., Suite 210
Seattle, WA 98168

Dear Mr. Gerkin,

On January 25th, 1 sample was received by our laboratory and assigned our laboratory project number EV21010179. The project was identified as your Gearjammer. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Aerotech Environmental Consulting, Inc. 13925 Interurban Ave S., Suite 210 Seattle, WA 98168	DATE:	1/28/2021
		ALS JOB#:	EV21010179
		ALS SAMPLE#:	EV21010179-01
CLIENT CONTACT:	Nick Gerkin	DATE RECEIVED:	01/25/2021
CLIENT PROJECT:	Gearjammer	COLLECTION DATE:	1/11/2021 11:05:00 AM
CLIENT SAMPLE ID	AB2 (4)	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DXw/ SGA	620	250	10	MG/KG	01/28/2021	JNF
TPH-Oil Range	NWTPH-DXw/ SGA	4300	500	10	MG/KG	01/28/2021	JNF

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25 10X Dilution	NWTPH-DXw/ SGA	80.0	01/28/2021	JNF

Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and lube oil.
Diesel range product results biased high due to oil range product overlap.

CERTIFICATE OF ANALYSIS

CLIENT: Aerotech Environmental Consulting, Inc.
 13925 Interurban Ave S., Suite 210
 Seattle, WA 98168
DATE: 1/28/2021
ALS SDG#: EV21010179
WDOE ACCREDITATION: C601
CLIENT CONTACT: Nick Gerkin
CLIENT PROJECT: Gearjammer

LABORATORY BLANK RESULTS
MB-011421S - Batch 161763 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	01/19/2021	JNF
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	01/19/2021	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

CERTIFICATE OF ANALYSIS

CLIENT: Aerotech Environmental Consulting, Inc.
 13925 Interurban Ave S., Suite 210
 Seattle, WA 98168
DATE: 1/28/2021
ALS SDG#: EV21010179
WDOE ACCREDITATION: C601
CLIENT CONTACT: Nick Gerkin
CLIENT PROJECT: Gearjammer

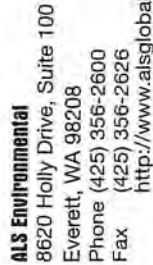
LABORATORY CONTROL SAMPLE RESULTS
ALS Test Batch ID: 161763 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	114			75.5	122.1	01/19/2021	JNF
TPH-Diesel Range - BSD	NWTPH-DX	112	1		75.5	122.1	01/19/2021	JNF

APPROVED BY



Laboratory Director



ALS Job# (Laboratory Use Only)

(423) 330-2020
<http://www.alsglobal.com>

Date 1/11/21 Page 1 of 2

PROJECT ID:	REPORT TO COMPANY:	PROJECT MANAGER:	ADDRESS:	PHONE:	E-MAIL:	INVOICE TO COMPANY:	ATTENTION:	ADDRESS:	SAMPLE I.D.	DATE	TIME	TYPE	LAB#
Gearjammer	Agrotech	Nick Gerkin	14220 Interurban Ave S, Ste. 116 Tukwila, WA	206 482 2287	Nick@d.rhydirt.us	Agrotech (not colony)	Lab: Nick@d.rhydirt.us	Invoice: Nick + 'larva@d.rhydirt.us	AB1(3)	1/11/21	0915	soil	1
									AB1(14)		1025		2
									AB2(4)		1105		3
									AB2(15)		1150		4
									AB3(3)		1030		5
									AB3(14)		1230		6
									AB3(10)		1245	ground water	7
									AB3(6)		1355	soil	8
									AB3(14)		1410		9
									MW20(w)		1440	ground water	10

SPECIAL INSTRUCTIONS	
DX Dx W. 56-A	Added per Nick bap 1/25/21 3-day TAT

SIGNATURES (Name, Company, Date, Time):

TURNAROUND REQUESTED in Business Days*
OTHER: Organic, Metals & Inorganic Analysis

Received By: _____

ALS 1/13/2621 4330

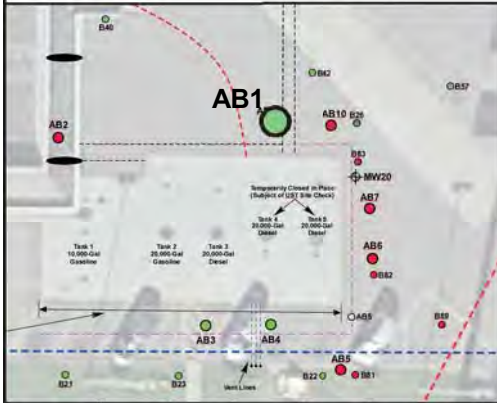
2. Relinquished By:

Fuels & Hydrocarbon Analysis

Received By:

• Turnaround request less than standard may incur Rush Charges

- Boring Logs



Project: Gearjammer Travel Plaza

Project No.: 20-0093

Address: 2310 Rudkin Road
Union Gap, WA

Drilling Contractor: Standard Environmental Probe, Inc.

Drilling Method: Air Knife/Vac to 3',
Direct-Push to 15'

Borehole Diameter: 2-inch

Sampler Type: Hand Auger, Solid Barrel 2.25-inch OD Macro Core Sampler

Logged by: Nick Gerkin

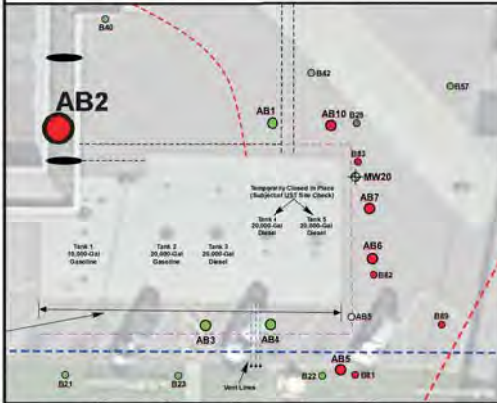
Boring Depth: 15 Feet

Groundwater Encountered: 14 feet bgs

Surface Elevation: Approx. 993 Feet

Work Date: 01/11/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1						Surface: Asphalt	
2					SM	Location was Air Knifed/Vac to 3 feet bgs due to the proximity to product lines and other UST features	
3				0.1		(FILL) Silty SAND with Gravel: dark brown fine to medium-grained, silt, some medium subrounded gravel, dry	
4					GW	SAND AND GRAVEL with COBBLES: Light to dark grey subrounded well graded gravel with up to 20% coarse sand and up to 20% cobbles; dry	
5							
6							
7				0.0	GW	As above	
8							
9							
10							
11							
12							
13							
14				0.0	GM	GRAVEL & SAND with Silt: Light to dark grey subrounded, well graded gravel with well graded sand and silt, saturated.	
15							
16							
17						Boring terminated at 15 feet below ground surface.	
18						Concrete from 0 to 1 feet bgs	
19						Bentonite from 1 to 15 feet bgs	



Project: Gearjammer Travel Plaza

Drilling Contractor: Standard Environmental Probe, Inc.

Project No.: 20-0093

Drilling Method: Direct-Push

Address: 2310 Rudkin Road
Union Gap, WA

Borehole Diameter: 2-inch

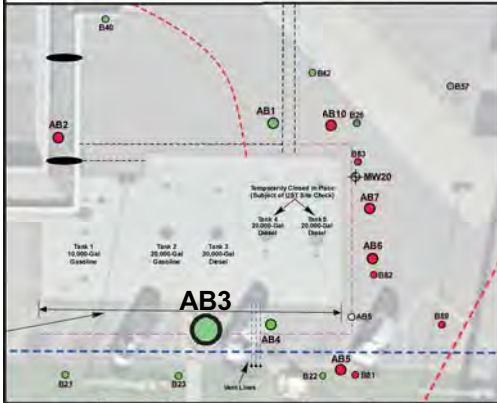
Sampler Type: Solid Barrel 2.25-inch OD
Macro Core Sampler

Logged by: Nick Gerkin
Boring Depth: 20 Feet
Groundwater Encountered: No

Surface Elevation: Approx. 993 Feet

Work Date: 01/11/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1					SM	Surface: Asphalt	
2						(FILL) Silty SAND: dark grey fine to medium-grained, silt, dry	
3							
4				0.1			
5					GW	GRAVEL AND SAND: Light to dark grey subrounded well graded gravel with coarse sand, some silt, dry	
6							
7							
8				0.0	GM	GRAVEL & SAND with Silt: orange-brown, subrounded, well graded gravel with well graded sand and silt, dry	
9							
10							
11							
12							
13							
14							
15				0.0	GM	As above, moist	
16							
17							
18							
19						Boring terminated at 20 feet below ground surface. Concrete from 0 to 1 feet bgs Bentonite from 1 to 20 feet bgs	



Project: Gearjammer Travel Plaza

Drilling Contractor: Standard Environmental Probe, Inc.

Project No.: 20-0093

Drilling Method: Air Knife/Vac to 3',
Direct-Push to 15'

Address: 2310 Rudkin Road
Union Gap, WA

Borehole Diameter: 2-inch

Sampler Type: Hand Auger, Solid Barrel 2.25-inch OD Macro Core Sampler

Logged by: Nick Gerkin

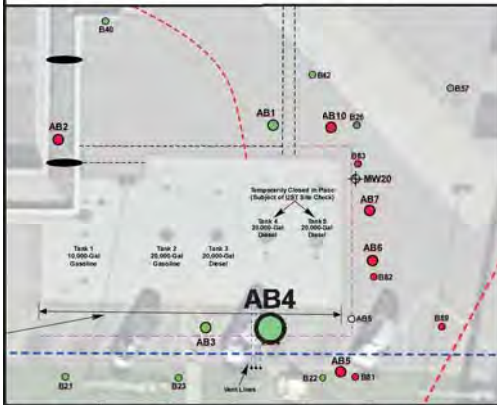
Surface Elevation: Approx. 993 Feet

Boring Depth: 15 Feet

Groundwater Encountered: 14 feet bgs

Work Date: 01/11/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1						Surface: Asphalt	
2						Location was Air Knifed/Vac to 4 feet bgs due to the proximity to product lines and other UST features	
3				0.0	GP	PEA GRAVEL: medium, poorly graded, subrounded, dry	
4							
5							
6				0.0	GW	SAND AND GRAVEL with COBBLES: Light to dark grey subrounded well graded gravel with up to 20% coarse sand and up to 20% cobbles; dry	
7							
8							
9							
10							
11							
12				0.0		As above	
13							
14				0.1	GM	GRAVEL & SAND with Silt: Light to dark grey subrounded, well graded gravel with well graded sand and silt, saturated.	
15							
16							
17						Boring terminated at 15 feet below ground surface.	
18						Concrete from 0 to 1 feet bgs	
19						Bentonite from 1 to 15 feet bgs	



Project: Gearjammer Travel Plaza

Drilling Contractor: Standard Environmental Probe, Inc.

Project No.: 20-0093

Drilling Method: Air Knife/Vac to 4',
Direct-Push to 15'

Address: 2310 Rudkin Road
Union Gap, WA

Borehole Diameter: 2-inch

Sampler Type: Hand Auger, Solid Barrel 2.25-inch OD Macro Core Sampler

Logged by: Nick Gerkin

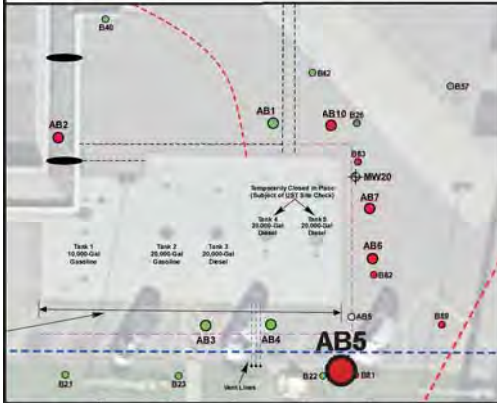
Surface Elevation: Approx. 993 Feet

Boring Depth: 15 Feet

Groundwater Encountered: 14 feet bgs

Work Date: 01/11/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1						Surface: Asphalt	
2						Location was Air Knifed/Vac to 5 feet bgs due to the proximity to product lines and other UST features	
3				0.0	GP	PEA GRAVEL: medium, poorly graded, subrounded, dry	
4							
5							
6				0.0	GW	SAND AND GRAVEL with COBBLES: Brown-Grey subrounded well graded gravel with coarse sand and cobbles; dry	
7							
8							
9							
10							
11							
12				0.0		As above	
13							
14				0.0	SM	SILT: orange, with some well graded Sand, wet.	
15				0.3	GM	GRAVEL & SAND with Silt: Light to dark grey subrounded, well graded gravel with well graded sand and silt, saturated.	
16							
17						Boring terminated at 15 feet below ground surface.	
18						Concrete from 0 to 1 feet bgs	
19						Bentonite from 1 to 15 feet bgs	



Project: Gearjammer Travel Plaza

Project No.: 20-0093

Address: 2310 Rudkin Road
Union Gap, WA

Drilling Contractor: Standard Environmental Probe, Inc.

Drilling Method: Air Knife/Vac to 4',
Direct-Push to 15'

Borehole Diameter: 2-inch

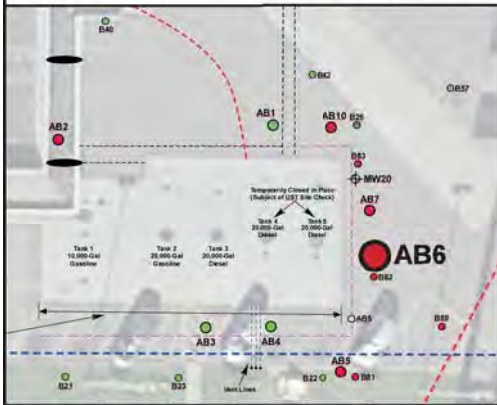
Sampler Type: Hand Auger, Solid Barrel 2.25-inch OD Macro Core Sampler

Logged by: Nick Gerkin
Boring Depth: 15 Feet
Groundwater Encountered: 14 feet bgs

Surface Elevation: Approx. 993 Feet

Work Date: 01/12/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1						Surface: Asphalt	
2						Location was Air Knifed/Vac to 4 feet bgs due to the proximity to product lines and other UST features	
3					SM	(FILL) Silty SAND with Gravel: dark brown fine to medium-grained, silt, some medium subrounded gravel, dry	
4				0.0			
5					GW	SAND AND GRAVEL with COBBLES: Brown-Grey subrounded well graded gravel with coarse sand and cobbles; dry	
6							
7							
8				0.0		As above	
9							
10							
11				0.0		As above	
12							
13							
14				229	GM	GRAVEL & SAND with Silt: Light to dark grey subrounded, well graded gravel with well graded sand and silt, saturated.	
15							
16							
17						Boring terminated at 15 feet below ground surface.	
18						Concrete from 0 to 1 feet bgs	
19						Bentonite from 1 to 15 feet bgs	



Project: Gearjammer Travel Plaza

Drilling Contractor: Standard Environmental Probe, Inc.

Project No.: 20-0093

Drilling Method: Direct-Push to 15'

Address: 2310 Rudkin Road
Union Gap, WA

Borehole Diameter: 2-inch

Sampler Type: Solid Barrel
2.25-inch OD Macro Core Sampler

Logged by: Nick Gerkin

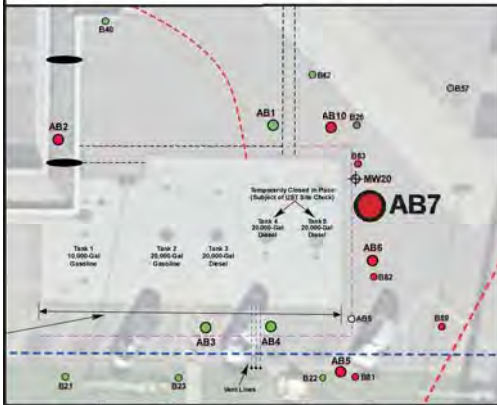
Surface Elevation: Approx. 993 Feet

Boring Depth: 15 Feet

Groundwater Encountered: 14 feet bgs

Work Date: 01/11/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1				0.0	SM	Surface: Asphalt (FILL) Silty SAND: dark brown fine to medium-grained, silt, dry	
2							
3				0.2	GW	SAND AND GRAVEL with COBBLES: Brown-Grey subrounded well graded gravel with coarse sand and cobbles; dry	
4							
5							
6							
7							
8				0.0	GW	As above	
9							
10							
11							
12				0.2	GW	As above	
13							
14				98.7	GM	GRAVEL & SAND with Silt: Light to dark grey subrounded, well graded gravel with well graded sand and silt, saturated.	
15							
16							
17						Boring terminated at 15 feet below ground surface. Concrete from 0 to 1 feet bgs Bentonite from 1 to 15 feet bgs	
18							
19							



Project: Gearjammer Travel Plaza

Drilling Contractor: Standard Environmental Probe, Inc.

Project No.: 20-0093

Drilling Method: Direct-Push to 15'

Address: 2310 Rudkin Road
Union Gap, WA

Borehole Diameter: 2-inch

Sampler Type: Hand Auger, Solid Barrel
2.25-inch OD Macro Core Sampler

Logged by: Nick Gerkin

Surface Elevation: Approx. 993 Feet

Boring Depth: 15 Feet

Groundwater Encountered: 14 feet bgs

Work Date: 01/12/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1						Surface: Asphalt	
2				0.0	SM	(FILL) Silty SAND with Gravel: dark brown fine to medium-grained, silt, some medium subrounded gravel, dry	
3							
4							
5				2.3	GW	SAND AND GRAVEL with COBBLES: Brown-Grey subrounded well graded gravel with coarse sand and cobbles; dry	
6							
7							
8				0.0	GW	As above	
9							
10							
11							
12				0.3	GW	As above	
13							
14				98.9	GM	GRAVEL & SAND with Silt: Light to dark grey subrounded, well graded gravel with well graded sand and silt, saturated.	
15							
16							
17						Boring terminated at 15 feet below ground surface.	
18						Concrete from 0 to 1 feet bgs	
19						Bentonite from 1 to 15 feet bgs	



Project: Gearjammer Travel Plaza

Project No.: 20-0093

Address: 2310 Rudkin Road
Union Gap, WA

Drilling Contractor: Standard Environmental Probe, Inc.

Drilling Method: Air Knife/Vac to 3',
Direct-Push to 15'

Borehole Diameter: 2-inch

Sampler Type: Hand Auger, Solid Barrel
2.25-inch OD Macro Core Sampler

Logged by: Nick Gerkin

Boring Depth: 15 Feet

Groundwater Encountered: 14 feet bgs

Surface Elevation: Approx. 993 Feet

Work Date: 01/11/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1				0.0	SM	Surface: Asphalt	
2						(FILL) Silty SAND: dark brown to black, fine to medium-grained, silt, some medium subrounded gravel, dry	
3							
4				2.3	GW	SAND AND GRAVEL with COBBLES: Brown-Grey subrounded well graded gravel with coarse sand and cobbles; dry	
5							
6							
7							
8				0.0	GW	As above	
9							
10							
11							
12				0.1	GW	As above	
13							
14				0.3	GM	GRAVEL & SAND: Light to dark grey subrounded, well graded gravel with well graded sand and silt, saturated.	
15							
16							
17						Boring terminated at 15 feet below ground surface.	
18						Concrete from 0 to 1 feet bgs	
19						Bentonite from 1 to 15 feet bgs	



Project: Gearjammer Travel Plaza

Drilling Contractor: Standard Environmental Probe, Inc.

Project No.: 20-0093

Drilling Method: Air Knife/Vac to 3'

Address: 2310 Rudkin Road
Union Gap, WA

Borehole Diameter: 2-inch

Sampler Type: Hand Auger

Logged by: Nick Gerkin

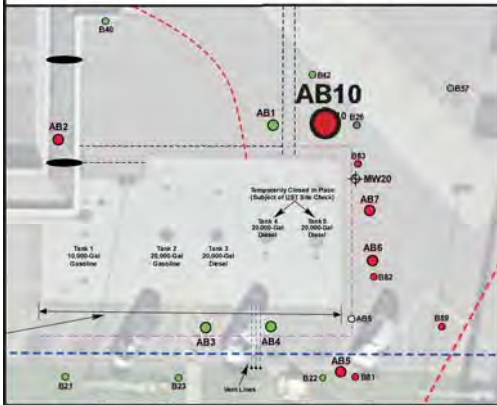
Surface Elevation: Approx. 990 Feet

Boring Depth: 15 Feet

Groundwater Encountered: 14 feet bgs

Work Date: 01/11/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1				0.0	SM	Surface: Asphalt (FILL) Silty SAND: dark brown to black, fine to medium-grained, silt, some medium subrounded gravel, dry	
2							
3							
4							
5							
6						Boring terminated at 4 feet below ground surface.	
7						Concrete from 0 to 1 feet bgs	
8						Bentonite from 1 to 4 feet bgs	
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							



Project: Gearjammer Travel Plaza

Drilling Contractor: Standard Environmental Probe, Inc.

Project No.: 20-0093

Drilling Method: Direct-Push to 15'

Address: 2310 Rudkin Road
Union Gap, WA

Borehole Diameter: 2-inch

Sampler Type: Solid Barrel
2.25-inch OD Macro Core Sampler

Logged by: Nick Gerkin

Surface Elevation: Approx. 993 Feet

Boring Depth: 15 Feet

Groundwater Encountered: 14 feet bgs

Work Date: 01/12/21

Depth (Ft)	Recovery	Sample Interval	Blow Counts	PID Reading	USCS Classification	Description	Well Construction
1				0.0	SM	Surface: Asphalt (FILL) Silty SAND with Gravel: dark brown fine to medium-grained, silt, some medium subrounded gravel, dry	
2							
3							
4				1.1			
5					GW	SAND AND GRAVEL with COBBLES: Brown-Grey subrounded well graded gravel with coarse sand and cobbles; dry	
6							
7							
8				0.0	GW	As above	
9							
10							
11							
12				0.4	GW	As above	
13							
14				149	GM	GRAVEL & SAND with Silt: Light to dark grey subrounded, well graded gravel with well graded sand and silt, saturated.	
15							
16							
17						Boring terminated at 15 feet below ground surface. Concrete from 0 to 1 feet bgs Bentonite from 1 to 15 feet bgs	
18							
19							

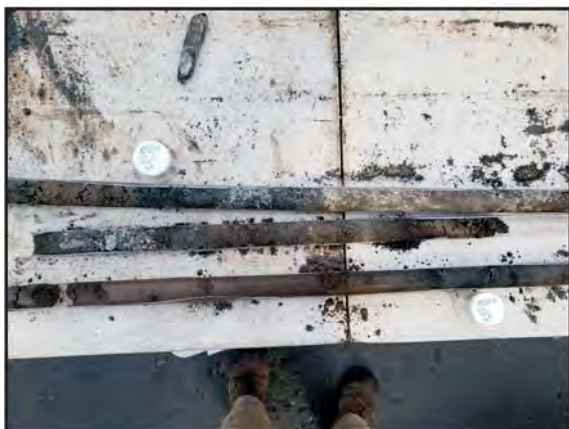
- Photographs



Marked Subsurface Utilities South of UST Basin in the Vicinity of AB4



Air-knife Operations at Soil Boring AB1



Sampled Soil Profile Collected from AB6 at 2.5 and 14 Feet Below Ground Surface



Grab Groundwater Sample Collected from AB5; Side View of the 40 ml VOA with the Observed Slight Sheen on the Meniscus



Heavy Duty Direct Push Drill Rig at Soil Boring Location AB5



Grab Groundwater Sample Collected from AB5; Top View of 40 ml VOA with a Slight Sheen on the Meniscus

- Supplemental Ecology Documentation

Underground Storage Tank System Summary

UST ID: 1526

Site Name: GEARJAMMER						Glossary	
UST ID:	1526	Facility/Site ID:	26981244	Latitude:	46.56836	Active Tag(s):	A5672
Address:	2310 RUDKIN RD STE B UNION GAP, WA 98903			Longitude:	-120.47330	Responsible Unit:	Central
				County:	Yakima		

Tank Summary

Tank Name	Tank Status	Tank Install Date
7	Operational	5/14/1998
4U	Operational	1/1/1978
3R	Operational	1/1/1978
2D	Temporarily Closed	1/1/1978
1D	Temporarily Closed	1/1/1978
5O	Closed in Place	12/31/1964
70	Removed	1/1/1979
6O	Removed	1/1/1978

Tank Name: 7		Tank Status: Operational	
Tank Installation: 5/14/1998	Tank Upgrade: 5/14/1998	Business License Endorsement Expiration: 9/30/2021	
Tank Status Date: 8/6/1996	Piping Installation:	Tank Permanently Closed Date:	
Tank Information		Piping Information	
Material:	Fiberglass Reinforced Plastic	Material:	Flexible Piping
Construction:	Single Wall Tank	Construction:	Double Wall Pipe
Corrosion Protection:	Corrosion Resistant	Corrosion Protection:	Corrosion Resistant
Manifolded Tank:		SFC* at Tank:	Sump
Release Detection:	Automatic Tank Gauging	SFC* at Dispenser/Pump:	Sump
Tightness Test:		Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Spill Prevention:	Spill Bucket/Spill Box	Secondary Release Detection:	Annual Line Tightness Test (LTT)
Overfill Prevention:	Automatic Shutoff (fill pipe)	Pumping System:	Pressurized System
Actual Capacity:	10,000 Gallons	Turbine Sump Construction:	
Capacity Range:	10,000 to 19,999 Gallons	*SFC = Steel Flex Connector	
Compartment	Substance Stored	Substance Used	Capacity
1	Unleaded Gasoline	Motor Fuel for Vehicles	10,000 Gallons

Underground Storage Tank System Summary

UST ID: 1526

Tank Name: 4U		Tank Status: Operational	
Tank Installation: 1/1/1978	Tank Upgrade: 9/15/1998	Business License Endorsement Expiration: 9/30/2021	
Tank Status Date: 8/6/1996	Piping Installation:	Tank Permanently Closed Date:	
Tank Information		Piping Information	
Material: Steel		Material: Flexible Piping	
Construction: Single Wall Tank		Construction: Double Wall Pipe	
Corrosion Protection: Impressed Current		Corrosion Protection: Corrosion Resistant	
Manifolded Tank:		SFC* at Tank:	
Release Detection: Automatic Tank Gauging		SFC* at Dispenser/Pump: Sump	
Tightness Test:		Primary Release Detection: Automatic Line Leak Detector (ALLD)	
Spill Prevention: Spill Bucket/Spill Box		Secondary Release Detection: Annual Line Tightness Test (LTT)	
Overfill Prevention: Automatic Shutoff (fill pipe)		Pumping System: Pressurized System	
Actual Capacity: 20,000 Gallons		Turbine Sump Construction:	
Capacity Range: 20,000 to 29,999 Gallons		*SFC = Steel Flex Connector	
Compartment	Substance Stored	Substance Used	Capacity
1	Unleaded Gasoline	Motor Fuel for Vehicles	20,000 Gallons

Tank Name: 3R		Tank Status: Operational	
Tank Installation: 1/1/1978	Tank Upgrade: 9/19/1998	Business License Endorsement Expiration: 9/30/2021	
Tank Status Date: 8/6/1996	Piping Installation:	Tank Permanently Closed Date:	
Tank Information		Piping Information	
Material: Steel		Material: Flexible Piping	
Construction: Single Wall Tank		Construction: Double Wall Pipe	
Corrosion Protection: Impressed Current		Corrosion Protection: Corrosion Resistant	
Manifolded Tank:		SFC* at Tank:	
Release Detection: Continuous In-Tank Leak Detection System		SFC* at Dispenser/Pump: Sump	
Tightness Test:		Primary Release Detection: Automatic Line Leak Detector (ALLD)	
Spill Prevention: Spill Bucket/Spill Box		Secondary Release Detection: Annual Line Tightness Test (LTT)	
Overfill Prevention: Automatic Shutoff (fill pipe)		Pumping System: Pressurized System	
Actual Capacity: 20,000 Gallons		Turbine Sump Construction:	
Capacity Range: 20,000 to 29,999 Gallons		*SFC = Steel Flex Connector	
Compartment	Substance Stored	Substance Used	Capacity
1	Diesel	Motor Fuel for Vehicles	20,000 Gallons

Underground Storage Tank System Summary

UST ID: 1526

Tank Name: 2D		Tank Status: Temporarily Closed	
Tank Installation: 1/1/1978	Tank Upgrade: 9/19/1998	Business License Endorsement Expiration: 9/30/2021	
Tank Status Date: 6/10/2020	Piping Installation:	Tank Permanently Closed Date:	
Tank Information		Piping Information	
Material: Steel		Material: Flexible Piping	
Construction: Single Wall Tank		Construction: Double Wall Pipe	
Corrosion Protection: Impressed Current		Corrosion Protection: Corrosion Resistant	
Manifolded Tank:		SFC* at Tank:	
Release Detection: Continuous In-Tank Leak Detection System		SFC* at Dispenser/Pump: Sump	
Tightness Test:		Primary Release Detection: Automatic Line Leak Detector (ALLD)	
Spill Prevention: Spill Bucket/Spill Box		Secondary Release Detection: Annual Line Tightness Test (LTT)	
Overfill Prevention: Automatic Shutoff (fill pipe)		Pumping System: Pressurized System	
Actual Capacity: 20,000 Gallons		Turbine Sump Construction:	
Capacity Range: 20,000 to 29,999 Gallons		*SFC = Steel Flex Connector	
Compartment	Substance Stored	Substance Used	Capacity
1	Diesel	Motor Fuel for Vehicles	20,000 Gallons

Tank Name: 1D		Tank Status: Temporarily Closed	
Tank Installation: 1/1/1978	Tank Upgrade: 9/19/1998	Business License Endorsement Expiration: 9/30/2021	
Tank Status Date: 6/10/2020	Piping Installation:	Tank Permanently Closed Date:	
Tank Information		Piping Information	
Material: Steel		Material: Flexible Piping	
Construction: Single Wall Tank		Construction: Double Wall Pipe	
Corrosion Protection: Impressed Current		Corrosion Protection: Corrosion Resistant	
Manifolded Tank:		SFC* at Tank:	
Release Detection: Continuous In-Tank Leak Detection System		SFC* at Dispenser/Pump: Sump	
Tightness Test:		Primary Release Detection: Automatic Line Leak Detector (ALLD)	
Spill Prevention: Spill Bucket/Spill Box		Secondary Release Detection: Annual Line Tightness Test (LTT)	
Overfill Prevention: Automatic Shutoff (fill pipe)		Pumping System: Pressurized System	
Actual Capacity: 20,000 Gallons		Turbine Sump Construction:	
Capacity Range: 20,000 to 29,999 Gallons		*SFC = Steel Flex Connector	
Compartment	Substance Stored	Substance Used	Capacity
1	Diesel	Motor Fuel for Vehicles	20,000 Gallons

Underground Storage Tank System Summary

UST ID: 1526

Tank Name: 50		Tank Status: Closed in Place	
Tank Installation: 12/31/1964	Tank Upgrade:	Business License Endorsement Expiration:	
Tank Status Date: 8/6/1996	Piping Installation:	Tank Permanently Closed Date:	
Tank Information		Piping Information	
Material: Steel		Material: Steel	
Construction: Single Wall Tank		Construction:	
Corrosion Protection:		Corrosion Protection:	
Manifolded Tank:		SFC* at Tank:	
Release Detection:		SFC* at Dispenser/Pump:	
Tightness Test:		Primary Release Detection:	
Spill Prevention:		Secondary Release Detection:	
Overfill Prevention:		Pumping System:	
Actual Capacity:		Turbine Sump Construction:	
Capacity Range: 111 TO 1,100 Gallons		*SFC = Steel Flex Connector	
Compartment	Substance Stored	Substance Used	Capacity
1	Heating Fuel		

Tank Name: 70		Tank Status: Removed	
Tank Installation: 1/1/1979	Tank Upgrade:	Business License Endorsement Expiration: 2/4/1997	
Tank Status Date: 8/6/1996	Piping Installation:	Tank Permanently Closed Date:	
Tank Information		Piping Information	
Material:		Material:	
Construction:		Construction:	
Corrosion Protection:		Corrosion Protection:	
Manifolded Tank:		SFC* at Tank:	
Release Detection:		SFC* at Dispenser/Pump:	
Tightness Test:		Primary Release Detection:	
Spill Prevention:		Secondary Release Detection:	
Overfill Prevention:		Pumping System:	
Actual Capacity:		Turbine Sump Construction:	
Capacity Range:		*SFC = Steel Flex Connector	
Compartment	Substance Stored	Substance Used	Capacity
1	Used Oil/Waste Oil		



SITE CHECK/SITE ASSESSMENT CHECKLIST FOR UNDERGROUND STORAGE TANKS

UST ID #: _____

County: _____

This checklist certifies that site check or site assessment activities were performed in accordance with Chapter 173-360A WAC. Instructions are found on the last page.

I. UST FACILITY		II. OWNER/OPERATOR INFORMATION	
Facility Compliance Tag #: A5672		Owner/Operator Name: William Halsey	
UST ID #: 1526		Business Name: Manroop Fuel, Inc.	
Site Name: Gearjammer		Address: 513 N 21 st Ave Ste B	
Site Address: 2310 Rudkin Road		City: Yakima	State: WA Zip: 98902
City: Union Gap		Phone: 206 499 1011	
Phone: 509 248 3151		Email: preet.hans@manroopfuel.com	
III. CERTIFIED SITE ASSESSOR			
Service Provider Name: Nicholas Gerkin		Company Name: Aerotech Environmental Consulting, Inc.	
Cell Phone: 206 482 2287	Email: nick@dirtydirt.us	Address: 14220 Interurban Ave S, Ste. 116	
Certification #: 8452634	Exp. Date: 12/28/22	City: Tukwila	State: WA Zip: 98168
IV. TANK INFORMATION			
TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	DATE SITE CHECK OR ASSESSMENT CONDUCTED
5 (1D)	20,000 Gal	Diesel	01/11-12/21
4 (2D)	20,000 Gal	Diesel	01/11-12/21
3 (3R)	20,000 Gal	Diesel	NA
4 (4U)	20,000 Gal	Unleaded Gasoline	NA
5 (7)	10,000 Gal	Unleaded Gasoline	NA
V. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT (check one)			
<input type="checkbox"/> Release investigation following permanent UST system closure (i.e. tank removal or closure-in-place).			
<input checked="" type="checkbox"/> Release investigation following a failed tank and/or line tightness test.			
<input type="checkbox"/> Release investigation following discovery of contaminated soil and/or groundwater.			
<input type="checkbox"/> Release investigation directed by Ecology to determine if the UST system is the source of offsite impacts.			
<input type="checkbox"/> UST system is undergoing a "change-in-service", which is changing from storing a regulated substance (e.g. gasoline) to storing a non-regulated substance (e.g. water).			
<input type="checkbox"/> Directed by Ecology for UST system permanently closed or abandoned before 12/22/1988.			

☐ Other (describe):

VI. CHECKLIST

**The site assessor must check each of the following items and include it in the report.
Sections referenced below can be found in the Ecology publication
*Guidance for Site Checks and Site Assessments for Underground Storage Tanks.***

YES NO

- | | | |
|--|-------------------------------------|-------------------------------------|
| 1. The location of the UST site is shown on a vicinity map. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. A brief summary of information obtained during the site inspection is provided (Section 3.2) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. A summary of UST system data is provided (Section 3.1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. The soils characteristics at the UST site are described. (Section 5.2) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Is there any apparent groundwater in the tank excavation? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. A brief description of the surrounding land use is provided. (Section 3.1) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. The name and address of the laboratory used to perform analyses is provided. The methods used to collect and analyze the samples, including the number and types of samples collected, are also documented in the report. The data from the laboratory is appended to the report. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. The following items are provided in one or more sketches: | | |
| • Location and ID number for all field samples collected | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • If applicable, groundwater samples are distinguished from soil samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Location of samples collected from stockpiled excavated soil | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| • Tank and piping locations and limits of excavation pit | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Adjacent structures and streets | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Approximate locations of any on-site and nearby utilities | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. If sampling procedures are different from those specified in the guidance, has justification for using these alternative sampling procedures been provided? (Section 3.4) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method, and detection limit for that method. Any sample exceeding MTCA Method A cleanup standards are highlighted or bolded. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 11. Any factors that may have compromised the quality of the data or validity of the results are described. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred. The requirements for reporting confirmed releases can be found in WAC 173-360-372. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

VII. REQUIRED SIGNATURES

Signature acknowledges the Site Check or Site Assessment complies with UST regulations WAC 173-360A-0730 through 0750.

Nicholas A Gerkin



January 29, 2021

Print or Type Name

Signature of Certified Site Assessor

Date

SITE CHECK/SITE ASSESSMENT CHECKLIST

FOR UNDERGROUND STORAGE TANKS

INSTRUCTIONS

This checklist must accompany the results of a Site Check Report, which is performed if a release of petroleum or other regulated substance is suspected. It is also required to accompany a Site Assessment Report, which is required following the permanent closure or “change-in-service” of an underground storage tank system. This form is required to be filled out whether or not contamination is found. This checklist is to be completed by the Site Assessor and submitted **within thirty days of completing** these activities to the following address:

Dept. of Ecology
UST Section
PO Box 47655
Olympia, WA 98504-7655

- I./II. UST Facility and Owner/Operator Information:** Fill out these sections completely. If you do not know your UST ID number, include the facility compliance tag number.
- III. Service Provider Information:** It is the responsibility of the ICC-certified Site Assessor to ensure that sampling and documentation procedures are completed in accordance with Ecology’s *Guidance for Site Checks and Site Assessment for Underground Storage Tanks*.
- IV. Tank Information:** Use the same Tank identification numbers listed on the facility’s Business License which is based on the most recent UST Addendum on file with Ecology. List the last substance stored in each tank, the tank sizes and the date the site check or site assessment was completed.
- V. Required Signature:** The Site Assessor signature certifies these procedures were followed.

All confirmed releases must be reported to Ecology by the owner within 24 hours and by service providers within 72 hours of discovery. A Site Characterization Report must be submitted to Ecology within 90 days after confirming a release.

Further questions? Please contact your regional office below and ask for a tank inspector to assist you.

Regional Office

Central (509) 575-2490

Eastern (509) 329-3400

HQ (360) 407-7170

Northwest (425) 649-7000

Southwest (360) 407-6300

Counties Served

Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima

Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman

Federal facilities in Western Washington

Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom

Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum

or find a complete list of UST inspectors at:
www.ecy.wa.gov/programs/tcp/ust-lust/people.html

Underground Storage Tank System Summary

UST ID: 1526

Tank Name: 6O		Tank Status: Removed	
Tank Installation: 1/1/1978	Tank Upgrade:	Business License Endorsement Expiration: 2/4/1997	
Tank Status Date: 8/6/1996	Piping Installation:	Tank Permanently Closed Date:	
Tank Information		Piping Information	
Material:		Material:	
Construction: Single Wall Tank		Construction: Single Wall Pipe	
Corrosion Protection: None		Corrosion Protection: None	
Manifolded Tank:		SFC* at Tank:	
Release Detection: Statistical Inventory Reconciliation		SFC* at Dispenser/Pump:	
Tightness Test:		Primary Release Detection: Safe Suction (No Leak Detection)	
Spill Prevention: None		Secondary Release Detection:	
Overfill Prevention: None		Pumping System:	
Actual Capacity:		Turbine Sump Construction:	
Capacity Range: 111 TO 1,100 Gallons		*SFC = Steel Flex Connector	
Compartment	Substance Stored	Substance Used	Capacity
1		Other	
2			



INTERNATIONAL CODE COUNCIL

NICHOLAS GERKIN

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

Washington State Site Assessment

Given this day December 29, 2020

A handwritten signature in black ink, appearing to read "Greg Wheeler".

Greg Wheeler, CBO
President, Board of Directors

Certificate No. 8452634

A handwritten signature in black ink, appearing to read "Dominic Sims".

Dominic Sims, CBO
Chief Executive Officer

