UNDERGROUND STORAGE TANK DECOMMISSIONING and SITE ASSESSMENT REPORT

PORT OF TACOMA
SSA TERMINALS
Building 675 Fuel Shed
1675 Lincoln Avenue
Tacoma, Washington 98421
FILCO Project Number 31085

FILCO COMPANY INC.

Environmental Services

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Prepared by FILCO COMPANY INC. on behalf of

Saybr Project Number 2233005

FILCO COMPANY INC.

UNDERGROUND STORAGE TANK
DECOMMISSIONING and
SITE ASSESSMENT REPORT

December 12, 2023

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SSA TERMINAL
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1.0 Project Background

The Subject Property is the Port of Tacoma underground storage tank (UST) fueling facility located under a canopy designated Building 675 also known as the Fuel Shed. The project area with the regulated UST system is accessed from Lincoln Avenue, approximately 350 feet south of the intersection of East 11th Street. The Project Area is a fueling depot with a registered address is 1675 Lincoln Avenue, Tacoma, Washington. The site location is shown on Figure 1, *Vicinity Map* and Figure 2*, Google Earth Image*. The Facility Site identification number is 66987611. The UST site number is 100639. The UST Facility Compliance Tag number is A4624. The general use of the area is a shipping terminal. The USTs consisted of one, single wall, fiberglass, 20,000-gallon diesel fuel tank designated as UST T-16, and one, single wall, 1,000-gallon unleaded gasoline fuel tank, designated as UST T-15. The USTs were reportedly installed on or about January 1, 1984. (Washington State Department of Ecology UST database, *Underground Storage Tank System Summary: UST ID 100639).*

2.0 General Site Conditions

The UST site is generally level with a concrete pad covering the USTs. The elevation of the Project Area is approximately 14 feet above mean sea level (Google Map Elevation, 2023). The surficial geology (Figure 3 Geology Map) is mapped as modified fill (map symbol Qf) a poorly graded, medium dense, dark gray, coarse sand with trace silt. Soil probe core samples retrieved during the site assessment from the native soil horizon located below the fill confirmed the presence of the alluvial sediments (map symbol Qa), consisting of poorly graded, medium dense, dark gray, fine sand with some shell fragments. The sand was underlain by silt, with saturated conditions (groundwater) above and below the silt soil horizon, transitioning to a silty fine sand. Soil probe logs are located in Appendix B.

A single groundwater monitoring well was observed along the eastern side of the UST fueling station the right of way (outside the cyclone fence). There were no UST system observation wells observed in the immediate vicinity of the two USTs. Groundwater was encountered during soil probe exploration activities at an average depth of approximately 9.1-9.5 feet below grade (fbg). Site assessment soil samples were collected immediately above the saturated zone, where petroleum hydrocarbons were observed to accumulate in at least two samples. Additional soil samples were collected at an approximately depth interval of 12-15 fbg, where petroleum hydrocarbon impacted soil was observed in probe B4 at 14 fbg, despite below the saturated soil horizon (groundwater).

3.0 Tank Decommissioning Activities

Private utility location services were performed by CNI Locates. The first task was to perform a Ground Penetrating Radar (GPR) survey of the subsurface, which can identify non-conductive structures such as utilities, buried trenches, fiberglass tanks or fuel piping. The GPR subsurface anomalies were marked on the surface on all sides of the existing USTs. The 20,000-gallon UST had a measured depth of approximately 11 fbg. The 1,000-gallon gasoline UST had a reported depth of 8 fbg. Each of the proposed soil boring locations determined to be free of linear structures (pipes, conduit) were marked. The locator employed an electromagnetic survey next to trace out shallow conductive anomalies such as conduit/wires and water lines. The approximate locations of all linear conductive anomalies were marked on the surface. Proposed soil boring locations were adjusted if conduits were detected nearby.

The next phase of clearing the soil boring locations was performed by Holocene Drilling workers. Each proposed soil boring was "air-knifed" to at least 5 fbg to make certain no fuel structures or other utilities were present. Air-knifing employs a truck mounted vacuum system along with compressed air to loosen and remove soil, leaving an approximate 6 to 8-inch diameter hole.

Need discussion of product lines and fuel dispenser testing/ decommissioning, as required under site assessments

Tank locations are shown on Figure 4: Site Schematic- Soil Probe Site Assessment Locations with Ana
Both USTs were closed in place on November 14, 2023, triple rinsing and cleaning all petroleum hydroca
followed by filling the tanks with Controlled Density Fill (CDF).

4.0 Site Assessment Summary

Soil cores were obtained from a direct push drilling rig. The advantage of direct push sample operations is the retrieval of a continuous core encased in a clear plastic tube. Each tube was cut open lengthwise, exposing the entire core for logging and field screening. The Filco site assessor performed field testing on the retrieved soil cores using a photoionization detector (PID), and a sheen test, which consists of adding water to a soil sample and observing if an oily sheen develops. Soil probe B9 could not be completed as the concrete core was greater than 2 feet thick, despite attempting to jackhammer out the thickened slab. Soil probe B10 encountered a buried electrical conduit, and the probe location was abandoned with no sample retrieved. Site assessment soil probe locations are shown on Figure 4, Site Schematic- Site *Assessment Soil Probe Locations with Analytical Results*. Photographs of site assessment activities are shown in Figure 5, *Project Photographs*.

Samples collected for gasoline range petroleum hydrocarbons were collected following EPA Method 5035-A protocols to preserve volatiles, using specialized pre-weighed, sample collection containers with methanol supplied by the laboratory. The samples were labeled, logged on the chain of custody, chilled with ice in an insulated cooler and transferred directly to the Washington State accredited environmental laboratory (Friedman and Bruya, Inc.) in Seattle following chain of custody procedures by the site assessor. Site assessment samples collected near both USTs were analyzed for total petroleum hydrocarbons as gasoline range organics (GRO) and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Soil probe samples collected at approximately 9 fbg from each core were also tested for lead. Site assessment samples collected near the diesel UST system were analyzed for total petroleum hydrocarbons as diesel range organics (DROs), motor oil range organics (MO) and GRO/BTEX. The testing met Ecology's Table 6-1 *Required Testing for Petroleum Releases*. Laboratory analytical certificates are located in Appendix A. Laboratory chromatograms are included as a separate supplement to Appendix A due to file size. The sample results were compared to the Model Toxics Control Act Method A (MTCA A) Method A cleanup levels for the regulated compounds.

Table 1. Site Assessment Soil Sample Analytical Results

Diesel/Gasoline Fuel UST System Site Assessment

Diesel (C_{10}-C_{25}) and Motor Oil-Range Organics (C_{25}-C_{36}) using Northwest Method NWTPH-Dx

Total GROs (C_6-C_{10}) using Method NWTPH-Gx and

Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) using EPA Method 8260B

Analytical results in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm)

Sample	Date	Depth (fbg)	DRO	MRO	GRO	Benzene	Toluene	Ethylbenzene	Xylenes
B1-9’	11/27/2023	9	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B2-9’	11/27/2023	9	2,000	<250	45	<0.02	<0.02	0.039	0.13
B2-12’	11/27/2023	12	300	<250	57	<0.02	<0.02	0.072	<0.06
B3-9’	11/27/2023	9	<50	<250	<5	<0.02	0.13	<0.02	<0.06
B3-12’	11/27/2023	12	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B4-9’	11/27/2023	9	**32,000**	530x	**1,100**	<0.02j	0.1	1.3	0.78
B4-14’	11/27/2023	14	**8,600**	<250	**270**	<0.02j	0.1	0.42	0.3
B5-9’	11/27/2023	9	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B5-10’	11/27/2023	10	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B6-9’	11/27/2023	9	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B6-15’	11/27/2023	15	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B7-9’	11/27/2023	9	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B7-15’	11/27/2023	15	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B8-9’	11/27/2023	9	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
B8-15’	11/27/2023	15	<50	<250	<5	<0.02	<0.02	<0.02	<0.06
Model Toxics	Control Act	CLs	2,000	2,000	30/100*	0.03	7.0	6.0	9.0

***Bold**: If the results exceed the MTCA A CL the results is bolded. Acronyms: DRO=Diesel Range Organics, MRO=Motor Oil Range Organics, GRO= Gasoline Range Organics. *If Benzene is present and the totals of toluene, ethylbenzene and xylenes (TEX) are greater than 1% of the gasoline mixture, then the cleanup level for GRO is 30 ppm. If benzene is absent and total TEX<1% then the cleanup level for GRO is 100 ppm. x: The sample chromatographic pattern does not resemble the fuel standard used for quantitation. j: The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.*

Table 2. Site Assessment Soil Sample Analytical Results

Total Lead by EPA Method 6020B

Results in milligrams per kilogram equivalent to parts per million (ppm)

Sample Number	Date Collected	Depth (fbg)	Total Lead (ppm)
B1-9’	11/27/2023	9	2.08
B2-9’	11/27/2023	9	2.54
B3-9’	11/27/2023	9	1.33
B4-9’	11/27/2023	9	1.61
B5-9’	11/27/2023	9	2.03
B6-9’	11/27/2023	9	1.08
B7-9’	11/27/2023	9	1.98
B8-9’	11/27/2023	9	1.21
Model Toxics	Control Act Method	A Cleanup Level	250 ppm

5.0 Discussion of Site Assessment Soil Sample Analytical Results

Soil borings B1, B2, B3, B4, B5, B6, B7, and B8 were placed on all four sides of the UST system in areas determined to be free of underground utilities as marked during a private locate using ground penetrating radar and electro-magnetic means. All soil borings were air-knifed (vacuuming out sand with compressed air assist) to approximately 4-5 fbg. The cored probe location near the dispenser encountered buried electrical conduits and was abandoned. The cored soil probe between the two USTs was also abandoned, the attempt to core the concrete was unsuccessful due to a concrete pad greater than 2 feet in thickness. Following air knifing, the soil probes were advanced through approximately 4-5 feet of coarse sand that was placed back into the air-knifed probe locations to facilitate advancement of the eight remaining probes. Native soil consisting of medium to fine grained sediments from approximately 5 to 9 fbg contained shell fragments. Soil samples were collected directly above the saturated zone (groundwater) at an average depth of approximately 9.3 fbg from each soil probe location. Additional samples were collected at depths ranging from 12-15 fbg to check for petroleum hydrocarbon impact at depth.

5.1 Soil Probe B1

Soil probe sample B1-9' was reported with DRO, MRO and GRO below laboratory Method Reporting Limits (MRLs). Benzene, toluene, ethylbenzene and xylenes (BTEX) were also reported below laboratory MRLs. Total lead (Pb) was reported at 2.08 ppm, typical of natural background levels and below the cleanup level of 250 ppm. All results were below Model Toxics Control Act Method A (MTCA A) cleanup levels (CLs).

5.2 Soil Probe B2

Soil probe sample B2-9' was reported with 2,000 ppm DRO, which is considered protective of the environment (not exceeding the MTCA A CL). MROs were below laboratory MRLs. Total petroleum hydrocarbons as gasoline (GROs) were reported with 45 ppm, below the MTCA A CL of 100 ppm (when no benzene is detected). Benzene and toluene were reported below laboratory MRLs. Ethylbenzene was reported at 0.039 ppm. Xylenes were reported at 0.13 ppm. Both results are below their respective MTCA A CLs. Total lead (Pb) was reported at 2.54 ppm, typical of natural background levels.

Soil probe sample B2-12' was reported with 300 ppm DRO, below the MTCA A CL. MROs were below laboratory MRLs. Total petroleum hydrocarbons as gasoline (GROs) were reported with 57 ppm, below the MTCA A CL of 100 ppm. Benzene and toluene and xylenes were reported below laboratory MRLs. Ethylbenzene was reported at 0.072 ppm, below the MTCA A CL.

5.3 Soil Probe B3

Soil probe samples B3-9' and B3-12' were reported with DROs, MROs and GROs below laboratory MRLs. BTEX was also reported below laboratory MRLs. Total lead (Pb) was reported at 1.33 ppm at 9 fbg, typical of natural background levels.

5.4 Soil Probe B4

Soil probe sample B4-9' was reported with 32,000 ppm DROs, above the MTCA A CL. MROs were reported at 530 ppm, however the laboratory flagged the result as nontypical of MROs. This appears to indicate overlap at the C_{25} range. GROs were reported at 1,100 ppm, above the MTCA A CL of 100 ppm. The laboratory result was not flagged as nontypical of the GRO fuel standard, which may indicate comingling of gasoline and diesel range petroleum hydrocarbons. Benzene and toluene were reported below laboratory MRLs. Ethylbenzene was reported at 1.3 ppm.

Xylenes were reported at 0.78 ppm. Both results are below their respective MTCA A CLs. Total lead (Pb) in sample B4-9' was reported at 1.61 ppm, typical of natural background levels.

Soil probe sample B4-14' was reported with 8,600 ppm DROs, above the MTCA A CL. MROs were reported below laboratory MRLs. GROs were reported at 270 ppm, above the MTCA A CL of 100 ppm. The laboratory result was not flagged as nontypical of the GRO fuel standard, which may indicate comingling of gasoline and diesel range petroleum hydrocarbons in the samples collected at 9 fbg and 14 fbg. Benzene, toluene and xylenes were reported below laboratory MRLs. Ethylbenzene was reported at 0.42 ppm. Xylenes were reported at 0.78 ppm.

5.5 Soil Probe B5

Soil probe samples B5-9' and B5-10' were reported with DROs, MROs and GROs below laboratory MRLs. BTEX was also reported below laboratory MRLs. Total lead (Pb) was reported at 2.03 ppm at 9 fbg, typical of natural background levels.

5.6 Soil Probe B6

Soil probe samples B6-9' and B6-15' were reported with DROs, MROs and GROs below laboratory MRLs. BTEX was also reported below laboratory MRLs. Total lead (Pb) was reported at 1.08 ppm at 9 fbg, typical of natural background levels.

5.7 Soil Probe B7

Soil probe samples B7-9' and B7-15' were reported with DROs, MROs and GROs below laboratory MRLs. BTEX was also reported below laboratory MRLs. Total lead (Pb) was reported at 1.98 ppm at 9 fbg, typical of natural background levels.

5.8 Soil Probe B8

Soil probe samples B8-9' and B8-15' were reported with DROs, MROs and GROs below laboratory MRLs. BTEX was also reported below laboratory MRLs. Total lead (Pb) was reported at 1.21 ppm at 9 fbg, typical of natural background levels.

Table 3. Site Assessment Groundwater Grab Sample Analytical Results
Diesel/Gasoline Fuel UST System Site Assessment
Diesel (C_{10}-C_{25}) and Motor Oil-Range Organics (C_{25}-C_{36}) using Northwest Method NWTPH-Dx
Total GROs (C_6-C_{10}) using Method NWTPH-Gx and
Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) using EPA Method 8260B
Analytical results in micrograms per liter (υg/L) equivalent to parts per billion (ppb)

Sample	Date	Depth GW	DRO	MRO	GRO	Benzene	Toluene	Ethylbenzene	Xylenes
B1-GW	11/27/2023	9.4	440x	320x	<100	<1	<1	<1	<3
B2-GW	11/27/2023	9.3	**13,000**	**2,200x**	<100	<1	<1	<1	<3
B3-GW	11/27/2023	9.2	210x	<250	<100	<1	<1	<1	<3
B7-GW	11/28/2023	9.4	**510x**	290	<100	<1	<1	<1	<3
Model	Toxics Control	Act CLs	500	500	800/1,000*	5	1,000	700	1,000

*Acronyms: NA=Not Analyzed, *If Benzene is present and the totals of toluene, ethylbenzene and xylenes (TEX) are greater than 1% of the gasoline mixture, then the cleanup level for GRO is 800 ppb. If benzene is absent and total TEX<1% then the cleanup level for GRO is 1,000 ppb. X: The sample chromatographic pattern does not resemble the fuel standard used for quantitation.*

6.0 Discussion of Site Assessment Groundwater Grab Sample Analytical Results

Groundwater grab samples were collected from a temporary PVC or stainless-steel wells installed in soil probes B1, B2, B3, and B7. Groundwater levels ranged from 9.2 to 9.4 feet below ground surface, however the readings aren't accurate enough to determine groundwater flow direction. Based on groundwater elevations included in the report by Anchor QEA supplied to Filco by the Port of Tacoma, the direction of groundwater flow is inferred to be to the south. The direction of groundwater flow was determined by processing the data supplied in the report using Surfer™, a contouring program.

6.1 Groundwater Grab Sample B1-GW

Sample B1-GW was collected near the northwest quadrant of the UST fueling system. The grab sample was reported with 440 ppb of DRO and 320 ppb of MRO. Both results were flagged as uncharacteristic of the analytical standards for both DROs and MROs. This may be attributed to either highly degraded petroleum hydrocarbons or the presence of natural organics that may be associated with anaerobic conditions in deltaic sediments with natural organics from decaying vegetation. Both results are below MTCA A CLs. GROs and BTEX were not reported above laboratory MRLs.

6.2 Groundwater Grab Sample B2-GW

Sample B2-GW was collected near the southwest quadrant of the UST fueling system. The grab sample was reported with 13,000 ppb DRO, exceeding the MTCA A CL of 500 ppb. MROs were reported at 2,200 ppb of MROs, however the results were flagged as uncharacteristic of the analytical standards for motor oil range of petroleum hydrocarbons. This may be attributed to overlap with diesel range petroleum hydrocarbons at C_{25} or the presence of natural organics that may be associated with anaerobic conditions in deltaic sediments. GROs and BTEX were not reported above laboratory MRLs.

6.3 Groundwater Grab Sample B3-GW

Sample B3-GW was collected
with 210 ppb DRO, below the
analytical standards for DROs,
were reported at levels below

Simplify. Concentrations exceed MTCA. Not definitive that the results are from the subject tanks that were decommissioned. List evidence:
- GRO chromatograms in SB-4 soil and groundwater do not match gasoline fuel standard. Similar to (Crete 2022), which said the GRO chromatograms resembled a middle distillate, not GRO
- decommissioned tanks are within the DRO plume associated with historical release (Ecology cleanup site ID 2124).
- fiberglas tanks passed annual inspections/tank tightness testing

6.4 Groundwater Grab Sa

Sample B7-GW was collected
with 510 ppb DROs, above the
DRO and MRO results were flagged as uncharacteristic of the fuel standards, and may be attributed to naturally occurring organics in the deltaic sediments. GROs and BTEX were not reported above laboratory MRLs.

7.0 Conclusions and Recommendations

Site assessment soil samples collected from the fill soils and alluvial sediments from the soil cores collected from probe B4 at 9 fbg and 14 fbg were reported with levels of DROs and GROs above MTCA A CLs. The sample results may indicate a past or possibly a current release of petroleum hydrocarbons from the USTs decommissioned by Saybr Contractors. The presence of GROs may indicate a release of GROs from the decommissioned gasoline tank, but may also be due to overlap from petroleum hydrocarbons in the **C_{10}** range from a previous release. The source of the diesel and gasoline range petroleum hydrocarbons may also be from a documented release from a 1.2 million gallon above ground storage tank (AST) which was reportedly removed in 1981. During redevelopment in 1983, a test pit located near the former

Can we show the LNAPL plume from the Crete 2022 report, too?

location of the 1.2 million-gallon AST was reported with strong petroleum odors (southwest of the Project Area). In addition, site assessment activities by Crete Consulting and Anchor QEA appear to indicate a plume of subsurface petroleum hydrocarbons associated with the former AST as shown in Figure 2. The Crete Report also documented a release from a 14,000-gallon diesel UST located north of the Project Area. The probability of comingling plumes appears to be moderately high. The areas of petroleum hydrocarbon impact identified in probe borings B2 and B4 correspond to the identified plume as depicted in Figure 2. The source of the release cannot be determined without further investigation, including forensic analysis of the potentially commingling plumes. Further investigation of this issue is beyond the scope of this UST site assessment. Therefore, the release identified in this report cannot be conclusively identified as sourced from either the 20,000-gallon diesel UST or the 1,000-gallon gasoline UST. If gasoline range petroleum hydrocarbons did leak from the 1,000-gallon UST that was part of this site assessment, then benzene would be expected to be present from a recent release. Benzene was not detected above laboratory MRLs in the soil samples from probe B4. The analytical result identifying gasoline range petroleum hydrocarbons may be the result of the following:

1) A large plume of petroleum hydrocarbons that may be associated with a possible release into the subsurface from the 1.2 million-gallon AST attributed to overlap in the C_{10} range from the pervasive diesel range petroleum hydrocarbons documented in previous work by others.
2) An older (weathered) unreported spill from the 1,000-gallon gasoline UST.
3) Commingled plumes from three possible sources.

Based on site assessment results, the decommissioned UST fuel system does not appear to represent a threat to human health or the environment. The diesel and gasoline range petroleum hydrocarbon impacted soil encountered in soil probes B2 and B4 cannot be directly attributed to the two USTs decommissioned during this site assessment based on a review of site history. A moderately high probability exists that the DRO-impacted soil documented in soil probe B4 is from other sources. The fuel system infrastructure was well-maintained, with no surface staining observed that may indicate a past spill. The USTs reportedly passed annual/three-year inspections and tank tightness testing. The Washington Department of Ecology 30 Day Notice, UST Permanent Closure Notice, Site Check/Site Assessment forms are located in Appendix C. Tank Decommissioning documentation is located in Appendix D.

8.0 Statement of Existing Conditions and Limitations

The results of this site assessment do not preclude the existence of impacts to soil or groundwater in areas on or off the Project Area that were not part of the scope of work and not sampled during the course of this focused site assessment. Filco's site assessment was specifically for UST system located at Building 675. Filco does not warrant that additional tanks or soil contamination does not exist on the Subject Property, or that migration of contamination on to the Project Areas has occurred from other sources. If other tanks or contaminant sources are subsequently discovered, Filco is not liable for such subsequent discoveries.

Work by Filco associated with this task was performed, and this report was prepared in accordance with generally accepted professional practices for work of this nature, at the time it was performed. No warranty, expressed or implied, is made. Should you have any questions regarding this report or any of the activities and analytical results documented herein, please do not hesitate to contact Filco.

FILCO COMPANY INCORPORATED

Richard N. Simpson, LG/LHg
Senior Geologist/Hydrogeologist
Registered Washington State Site Assessor

FIGURE 1: Vicinity Map
FIGURE 2: Google Earth Satellite Image
FIGURE 3: Geology Map
FIGURE 4: Site Schematic- Site Assessment Soil Probe Locations with Analytical Results
FIGURE 5: Project Photographs

APPENDIX A: ANALYTICAL RESULTS
APPENDIX B: SOIL BORING LOGS
APPENDIX C: ECOLOGY TANK CLOSURE AND SITE ASSESSMENT FORMS
APPENDIX D: TANK DECOMMISSIONING DOCUMENTATION

9.0 References

1. Guidance for Remediation of Petroleum Contaminated Sites – Washington State Department of Ecology Toxics Cleanup Program, (Revised June 2016).
2. Guidance for Remediation of Releases from Underground Storage Tanks – Washington State Department of Ecology Toxics Cleanup Program, (Revised September 2011).
3. Site Assessment Guidance for Underground Storage Tank Systems – Washington State Department of Ecology, (Revised January 2021).
4. Washington State Model Toxics Control Act – Chapter 173-340 WAC (Revised 2013).
5. Underground Storage Tank Regulations – Chapter 173-360A WAC (Revised July 2018).

6. Soil, Groundwater and Tier II Vapor Intrusion Assessment Report – Parcel 40, Port of Tacoma, Crete Consulting Inc. (Project Number 013PT-006 T03 22-09-58 (January 27, 2022).
7. Scope of Work and Cost Estimate-Parcel 40 Groundwater Monitoring and UST Pad Investigation – Anchor QEA. (PSA No. 070429 (July 18, 2019).

FIGURES

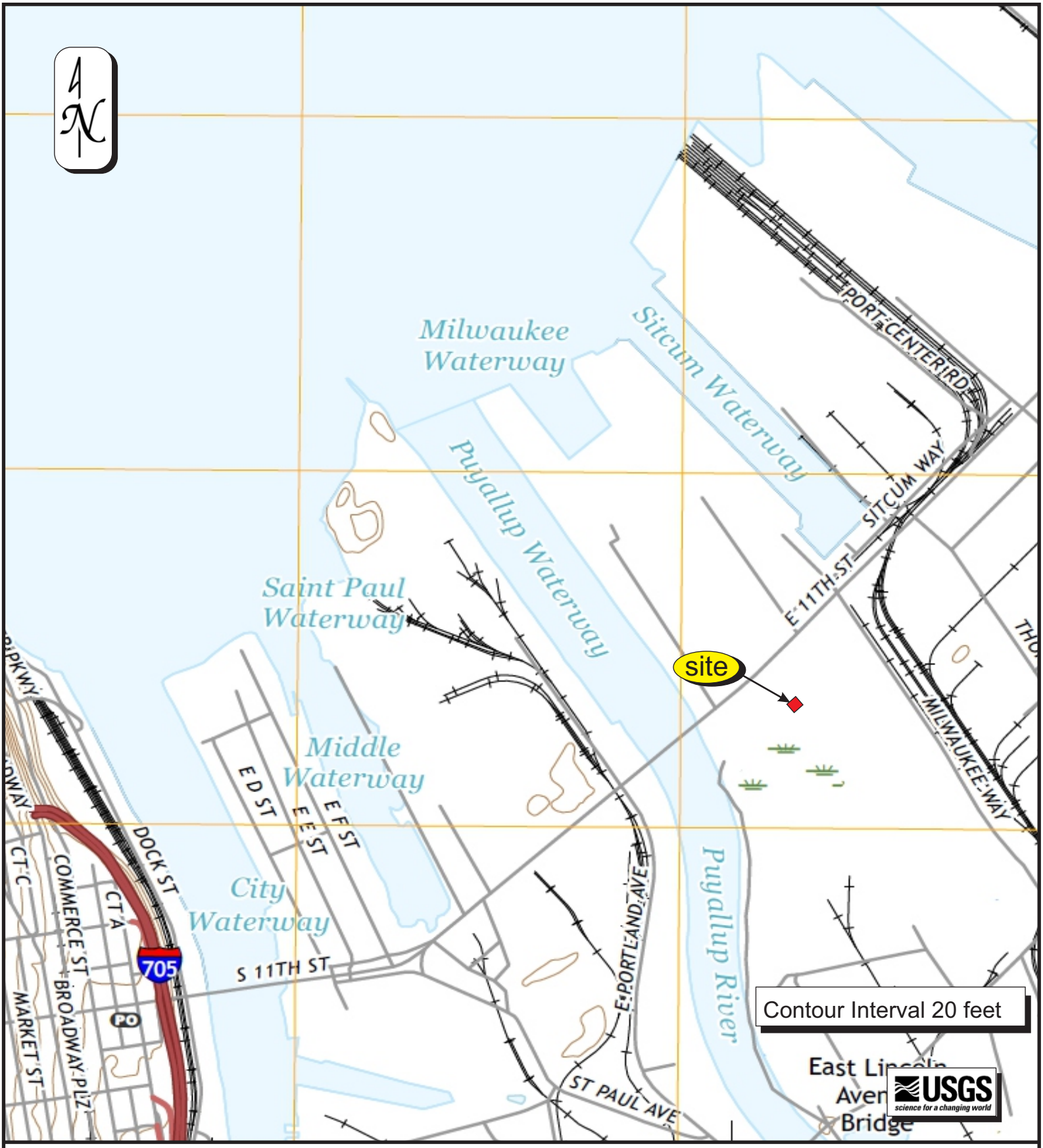

Figure 1. Vicinity Map
Tacoma North Topographic Map (2017)
United States Geological Survey

Site Address: 1675 Milwaukee Way
Tacoma, Washington 98424
FILCO JOB NUMBER 31085

FILCO COMPANY INCORPORATED
P.O Box 31228, Seattle, Washington 98103

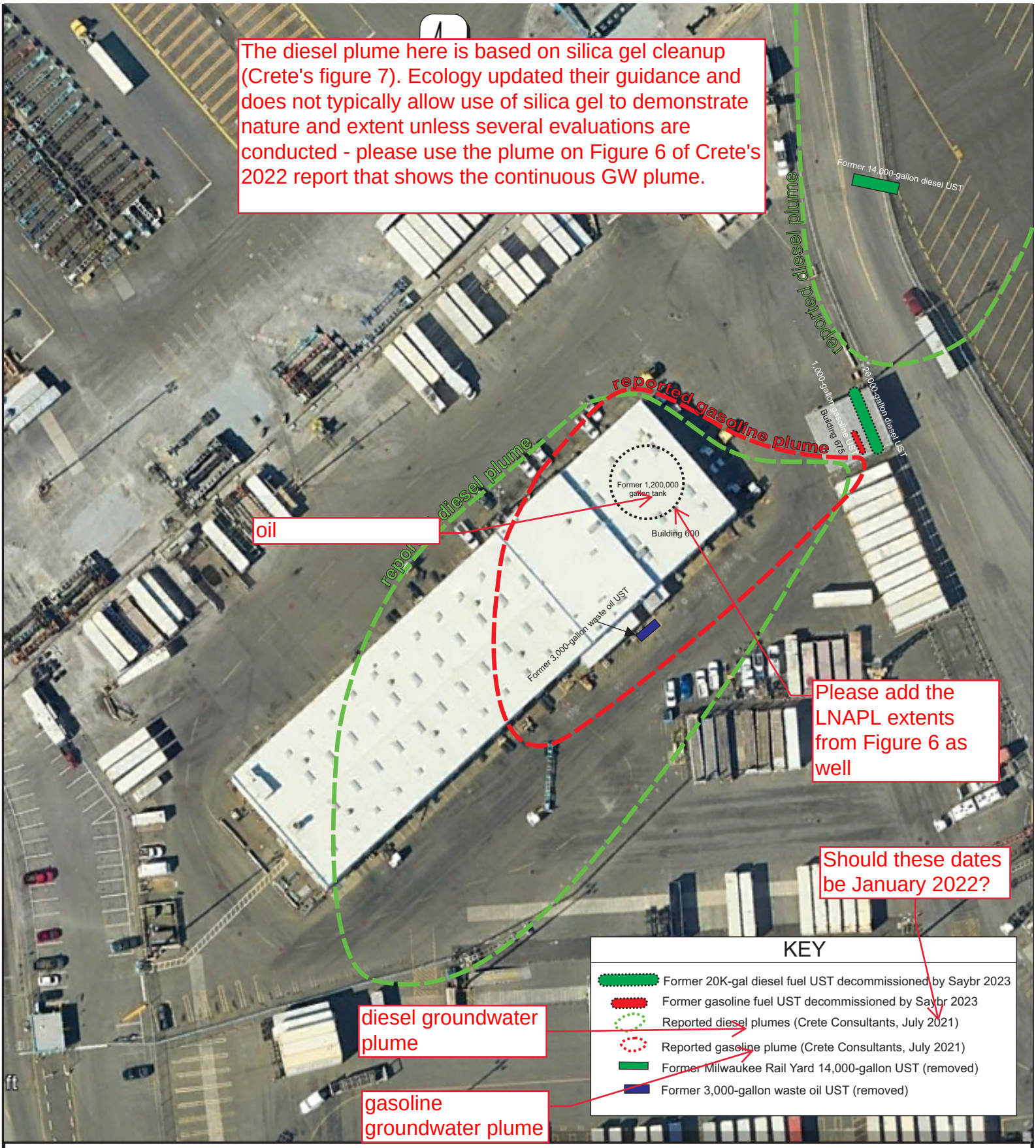

Figure 2. Google Earth Image

Site Address: Port of Tacoma
SSA Terminals, Building 675 USTs
Tacoma, Washington 98421
FILCO JOB NUMBER 31085

FILCO COMPANY INCORPORATED
P.O Box 31228, Seattle, Washington 98103

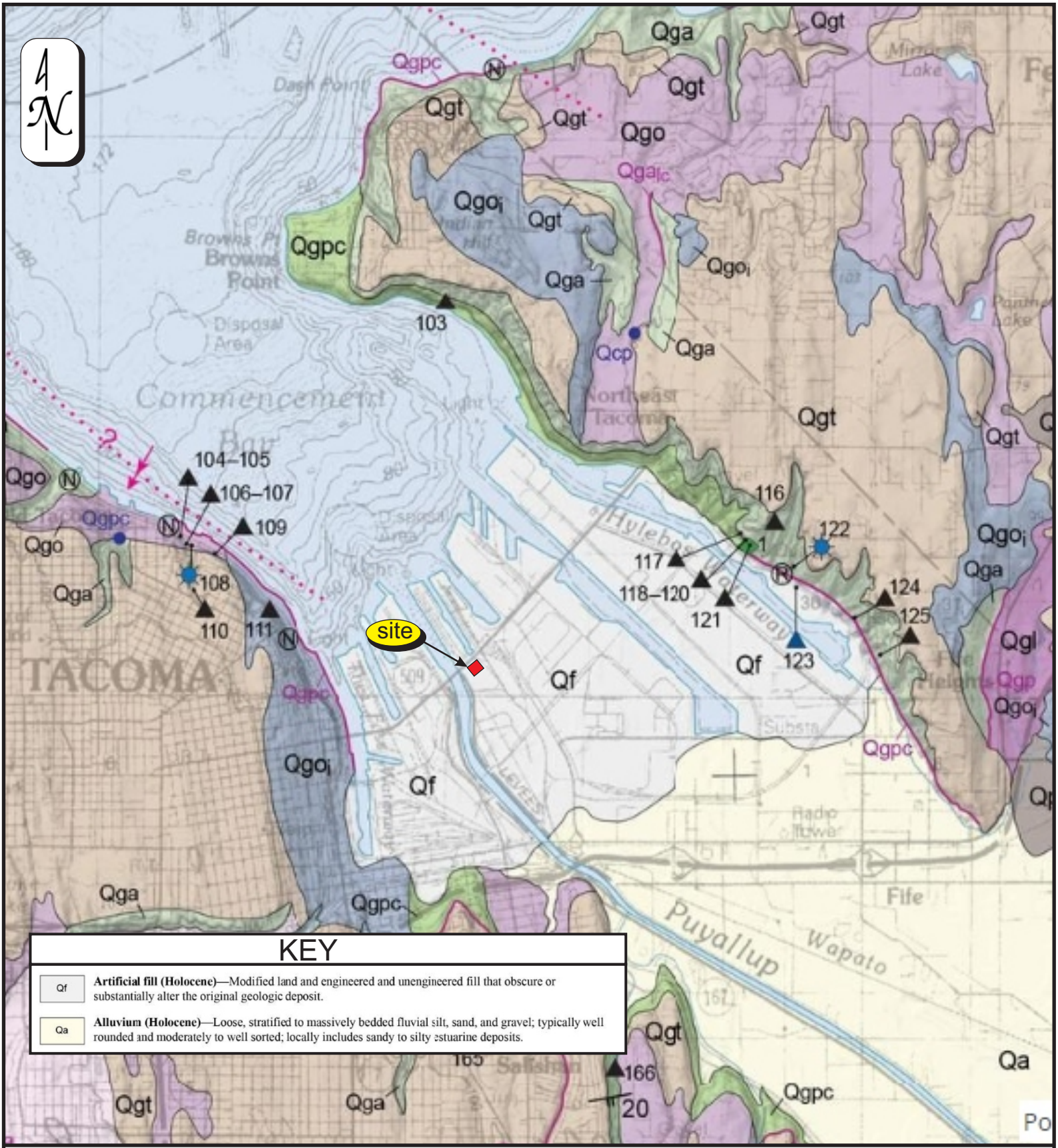

Figure 3. Geology Map

Geologic Map of Tacoma 1:100,000 Scale Quadrangle
Shuster, Cabibbo, Schilter and Hubert
Map Series 2015-03 Washington DNR

Building 675

1675 Milwaukee Way, Tacoma, Washington 98424

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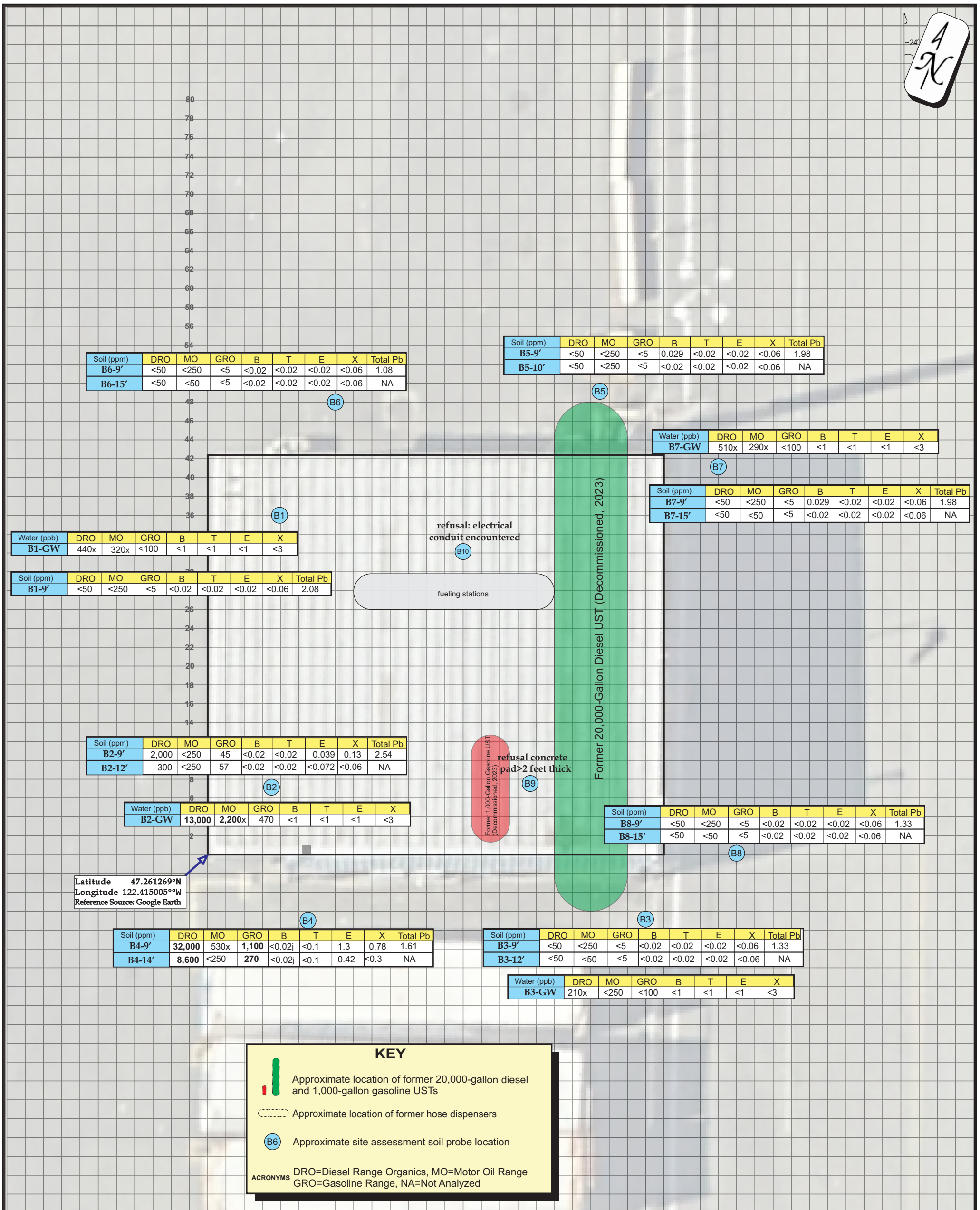
P.O Box 31228, Seattle, Washington 98103



Soil (ppm)	DRO	MO	GRO	B	T	E	X	Total Pb
B6-9′	<50	<250	<5	<0.02	<0.02	<0.02	<0.06	1.08
B6-15′	<50	<50	<5	<0.02	<0.02	<0.02	<0.06	NA

Soil (ppm)	DRO	MO	GRO	B	T	E	X	Total Pb
B5-9′	<50	<250	<5	0.029	<0.02	<0.02	<0.06	1.98
B5-10′	<50	<250	<5	<0.02	<0.02	<0.02	<0.06	NA

Water (ppb)	DRO	MO	GRO	B	T	E	X
B7-GW	510x	290x	<100	<1	<1	<1	<3

Soil (ppm)	DRO	MO	GRO	B	T	E	X	Total Pb
B7-9′	<50	<250	<5	0.029	<0.02	<0.02	<0.06	1.98
B7-15′	<50	<50	<5	<0.02	<0.02	<0.02	<0.06	NA

Water (ppb)	DRO	MO	GRO	B	T	E	X
B1-GW	440x	320x	<100	<1	<1	<1	<3

Soil (ppm)	DRO	MO	GRO	B	T	E	X	Total Pb
B1-9′	<50	<250	<5	<0.02	<0.02	<0.02	<0.06	2.08

Soil (ppm)	DRO	MO	GRO	B	T	E	X	Total Pb
B2-9′	2,000	<250	45	<0.02	<0.02	0.039	0.13	2.54
B2-12′	300	<250	57	<0.02	<0.02	<0.072	<0.06	NA

Water (ppb)	DRO	MO	GRO	B	T	E	X
B2-GW	**13,000**	**2,200**x	470	<1	<1	<1	<3

Soil (ppm)	DRO	MO	GRO	B	T	E	X	Total Pb
B8-9′	<50	<250	<5	<0.02	<0.02	<0.02	<0.06	1.33
B8-15′	<50	<50	<5	<0.02	<0.02	<0.02	<0.06	NA

Soil (ppm)	DRO	MO	GRO	B	T	E	X	Total Pb
B4-9′	**32,000**	530x	**1,100**	<0.02j	<0.1	1.3	0.78	1.61
B4-14′	**8,600**	<250	**270**	<0.02j	<0.1	0.42	<0.3	NA

Soil (ppm)	DRO	MO	GRO	B	T	E	X	Total Pb
B3-9′	<50	<250	<5	<0.02	<0.02	<0.02	<0.06	1.33
B3-12′	<50	<50	<5	<0.02	<0.02	<0.02	<0.06	NA

Water (ppb)	DRO	MO	GRO	B	T	E	X
B3-GW	210x	<250	<100	<1	<1	<1	<3

KEY

- Approximate location of former 20,000-gallon diesel and 1,000-gallon gasoline USTs
- Approximate location of former hose dispensers
- B6 — Approximate site assessment soil probe location
- ACRONYMS: DRO=Diesel Range Organics, MO=Motor Oil Range, GRO=Gasoline Range, NA=Not Analyzed

Figure 4. Site Schematic
Soil Probe Site Assessment Sample Locations

PORT OF TACOMA
BUILDING 675 FUEL DEPOT
1675 Lincoln Avenue
Tacoma, Washington 98421

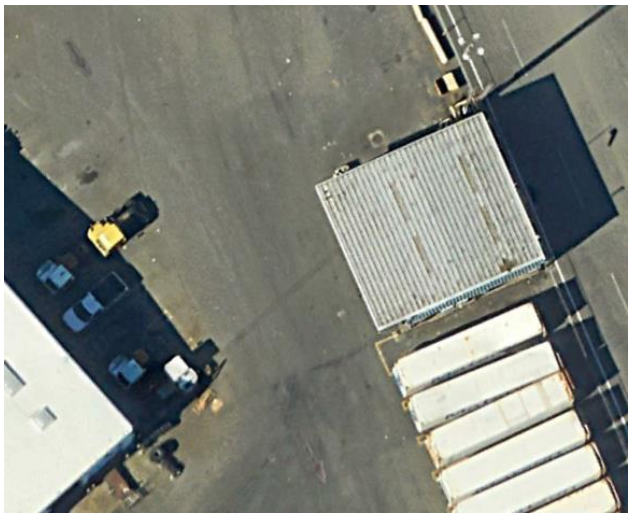
SCALE
one inch = 10 feet
0 5 10

FILCO COMPANY INCORPORATED
P.O Box 31228, Seattle, Washington 98103

FILCO JOB NUMBER 31085

FILCO COMPANY INC.

FIGURE 5: PROJECT PHOTOGRAPHS



Photograph 1. Satellite view of the Subject Property showing the canopy.

Photograph 2. Soil probe B1 was cored and air-knifed to approximately 5 fbg.

Photograph 3. View of the air-knife truck. Each probe location was cleared by a private locate using ground penetrating radar and electromagnetic equipment.

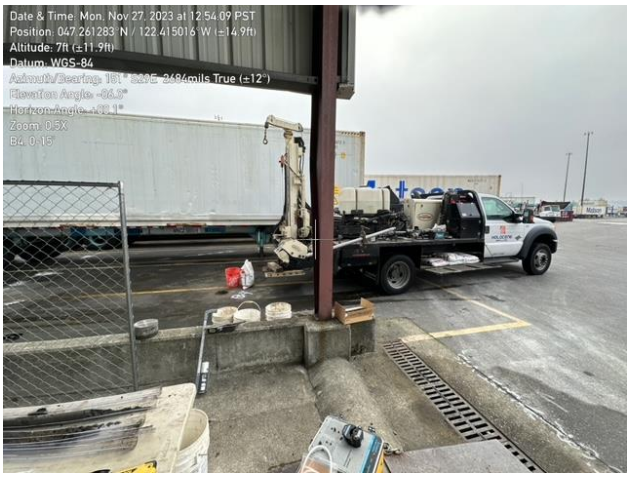
Photograph 4. View looking south of the Project Area. Ten soil probes were originally planned; however, two probe locations were abandoned.

Photograph 5. View of the continuous cores retrieved during the site assessment.

Photograph 6. A direct push soil sampling rig was used to retrieve continuous cores of soil.

FIGURE 5: PROJECT PHOTOGRAPHS

Photograph 7. View of soil probe B3 being advanced near the end of the 20,000-gallon diesel UST.



Photograph 8. Soil probe B4 encountered the highest levels of diesel and gasoline range petroleum hydrocarbons .

APPENDIX A
ANALYTICAL LABORATORY CERTIFICATES

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 6, 2023

Richard Simpson, Project Manager
Filco Company, Inc.
PO Box 31228
Seattle, WA 98103

Dear Mr Simpson:

Included are the results from the testing of material submitted on November 29, 2023 from the Port of Tacoma 31085, F&BI 311384 project. There are 21 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Mac Goldman
Project Manager

Enclosures
FCI1206R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384
Date Extracted: 11/30/23
Date Analyzed: 11/30/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B1-9' 311384-02	<0.02	<0.02	<0.02	<0.06	<5	82
B2-9' 311384-05	<0.02	<0.02	0.039	0.13	45	83
B2-12' 311384-06	<0.02	<0.02	0.072	<0.06	57	81
B3-9' 311384-08	<0.02	<0.02	<0.02	<0.06	<5	81
B3-12' 311384-09	<0.02	<0.02	<0.02	<0.06	<5	80
B4-9' 311384-12 1/5	<0.02 j	<0.1	1.3	0.78	1,100	83
B4-14' 311384-13 1/5	<0.02 j	<0.1	0.42	<0.3	270	75
B5-9' 311384-16	<0.02	<0.02	<0.02	<0.06	<5	81
B5-10' 311384-17	<0.02	<0.02	<0.02	<0.06	<5	80
B6-9' 311384-19	<0.02	<0.02	<0.02	<0.06	<5	81

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384
Date Extracted: 11/30/23
Date Analyzed: 11/30/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery)
B6-15' 311384-20	<0.02	<0.02	<0.02	<0.06	<5	81
B7-9' 311384-22	0.029	<0.02	<0.02	<0.06	<5	78
B7-15' 311384-23	<0.02	<0.02	<0.02	<0.06	<5	80
B8-9' 311384-26	<0.02	<0.02	<0.02	<0.06	<5	81
B8-15' 311384-27	<0.02	<0.02	<0.02	<0.06	<5	79
Method Blank 03-2514 MB	<0.02	<0.02	<0.02	<0.06	<5	101

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384
Date Extracted: 11/30/23
Date Analyzed: 11/30/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B1-GW 311384-03	<1	<1	<1	<3	<100	80
B3-GW 311384-10	<1	<1	<1	<3	<100	80
B2-GW 311384-14	<1	<1	<1	<3	470	82
B7-GW 311384-24	<1	<1	<1	<3	<100	79
Method Blank 03-2515 MB	<1	<1	<1	<3	<100	78

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384
Date Extracted: 11/29/23
Date Analyzed: 11/29/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B1-9' 311384-02	<50	<250	95
B2-9' 311384-05	2,000	<250	98
B2-12' 311384-06	300	<250	98
B3-9' 311384-08	<50	<250	95
B3-12' 311384-09	<50	<250	94
B4-9' 311384-12	32,000	530 x	110
B4-14' 311384-13	8,600	<250	112
B5-9' 311384-16	<50	<250	99
B5-10' 311384-17	<50	<250	96
B6-9' 311384-19	<50	<250	96
B6-15' 311384-20	<50	<250	99

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384
Date Extracted: 11/29/23
Date Analyzed: 11/29/23

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B7-9' 311384-22	<50	<250	95
B7-15' 311384-23	<50	<250	94
B8-9' 311384-26	<50	<250	96
B8-15' 311384-27	<50	<250	97
Method Blank 03-2762 MB	<50	<250	93

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384
Date Extracted: 11/30/23
Date Analyzed: 11/30/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B1-GW 311384-03	440 x	320 x	70
B3-GW 311384-10	210 x	<250	98
B2-GW 311384-14	13,000	2,200 x	90
B7-GW 311384-24	510 x	290 x	96
Method Blank 03-2765 MB2	<50	<250	95

Analysis For Total Metals By EPA Method 6020B

Client ID:	B1-9'	Client:	Filco Company
Date Received:	11/29/23	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	311384-02
Date Analyzed:	12/01/23	Data File:	311384-02.088
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	2.08

Analysis For Total Metals By EPA Method 6020B

Client ID:	B2-9'	Client:	Filco Company
Date Received:	11/29/23	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	311384-05
Date Analyzed:	12/01/23	Data File:	311384-05.089
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	2.54

Analysis For Total Metals By EPA Method 6020B

Client ID:	B3-9'	Client:	Filco Company
Date Received:	11/29/23	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	311384-08
Date Analyzed:	12/01/23	Data File:	311384-08.090
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	1.33

Analysis For Total Metals By EPA Method 6020B

Client ID:	B4-9'	Client:	Filco Company
Date Received:	11/29/23	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	311384-12
Date Analyzed:	12/01/23	Data File:	311384-12.091
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	1.61

Analysis For Total Metals By EPA Method 6020B

Client ID:	B5-9'	Client:	Filco Company
Date Received:	11/29/23	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	311384-16
Date Analyzed:	12/01/23	Data File:	311384-16.092
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	2.03

Analysis For Total Metals By EPA Method 6020B

Client ID:	B6-9’	Client:	Filco Company
Date Received:	11/29/23	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	311384-19
Date Analyzed:	12/01/23	Data File:	311384-19.093
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	1.08

Analysis For Total Metals By EPA Method 6020B

Client ID:	B7-9'	Client:	Filco Company
Date Received:	11/29/23	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	311384-22
Date Analyzed:	12/01/23	Data File:	311384-22.094
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	1.98

Analysis For Total Metals By EPA Method 6020B

Client ID:	B8-9’	Client:	Filco Company
Date Received:	11/29/23	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	311384-26
Date Analyzed:	12/01/23	Data File:	311384-26.095
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	1.21

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Filco Company
Date Received:	NA	Project:	Port of Tacoma 31085, F&BI 311384
Date Extracted:	12/01/23	Lab ID:	I3-945 mb2
Date Analyzed:	12/01/23	Data File:	I3-945 mb2.087
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 311379-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	1.0	70	70-130
Toluene	mg/kg (ppm)	1.0	88	70-130
Ethylbenzene	mg/kg (ppm)	1.0	94	70-130
Xylenes	mg/kg (ppm)	3.0	100	70-130
Gasoline	mg/kg (ppm)	40	92	70-130

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	ug/L (ppb)	50	94	98	70-130	4
Toluene	ug/L (ppb)	50	92	96	70-130	4
Ethylbenzene	ug/L (ppb)	50	98	100	70-130	2
Xylenes	ug/L (ppb)	150	93	100	70-130	7
Gasoline	ug/L (ppb)	1,000	110	110	70-130	0

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 311384-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	100	102	64-136	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	92	78-121

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	92	96	65-151	4

Date of Report: 12/06/23
Date Received: 11/29/23
Project: Port of Tacoma 31085, F&BI 311384

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 311411-02 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	<5	99	93	75-125	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	91	80-120

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

311384 (AP)

F&B 311384 CHAIN OF CUSTODY AND LABORATORY SERVICES AGREEMENT

11/29/23 F2/VW1/D3/N2

Page # 1 of 3

FILCO COMPANY INC.
Environmental Services
ICC Certified • Lic# FILCOCI080RU
www.FilcoEnviro.com
Richard Simpson LG, LHg
Senior Geologist-Hydrogeologist
Richard@FilcoEnviro.com
Office: 206-547-8347 Fax: 206-548-9352
Street Address: 13190 Stone Avenue North, Seattle, WA 98133
Mailing Address: P.O. Box 31228, Seattle, WA 98103

SAMPLERS (signature)

PROJECT NAME: Port of Tacoma

PO: 31085

REMARKS: Project Specific RLs - Yes / No

INVOICE TO

TURNAROUND TIME
Standard Turnaround
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Archive Samples
Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	NWTPH-Gx BTEX	Total Pb				Notes
B1-5'	01	11.27.23	9:30	soil	1												• or RL MG 12/1
B1-9'	02 A-C		9:40	soil	3	X						X	•				
B1-GW	03 ↓		10:30	water	3	X						X					
B2-5'	04		9:50	soil	1												
B2-9'	05 A-C		10:00	soil	3	X						X	•				
B2-12'	06 ↓		10:10	soil	3	X						X					
B3-5'	07		11:00	soil	1												
B3-9'	08 A-C		11:15	soil	3	X						X	•				
B3-12'	09		11:30	soil	3	X						X					Samples received at Ø °C
B3-GW	10 ↓	11.27.23	12:00	water	3	X						X					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Richard Simpson	FILCO	11.29	930
Received by: DLY	DLY TRUONG	DLY	11-29-23	930
Relinquished by:				
Received by:	NHUT TRUONG	F&B I	11/29/23	11:25

Friedman and Bruya
5500 4th Ave S.
Seattle, WA 98108
Ph. (206) 285-8282

FORMS\COC\COC NEW LAB.DOC

311384

CHAIN OF CUSTODY AND LABORATORY SERVICES AGREEMENT

11/29/23 F2/VW1/D3/N2

FILCO COMPANY INC.
Environmental Services
ICC Certified • Lic# FILCOCI080RU
www.FilcoEnviro.com
Richard Simpson LG, LHg
Senior Geologist-Hydrogeologist
Richard@FilcoEnviro.com
Office: 206-547-8347 Fax: 206-548-9352
Street Address: 13190 Stone Avenue North, Seattle, WA 98133
Mailing Address: P.O. Box 31228, Seattle, WA 98103

SAMPLERS (signature)

PROJECT NAME: Port of Tacoma

PO: 31085

REMARKS: Project Specific RLs - Yes / No

INVOICE TO

TURNAROUND TIME
Standard Turnaround
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Archive Samples
Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	NWTPH-Gx BTEX	Total Pb				Notes
B4-5'	11	11.27.23	12:25	soil	1												
B4-9'	12 A-C		12:30		3	X						X	•				
B4-14'	13		12:45	soil	3	X						X					
B2-GW	14		10:50	water	3	X						X					
B5-5'	15		12:55	soil	1												
B5-9'	16 A-C		1300		3	X						X	•				
B5-10'	17		1310		3	X						X					
B6-5'	18		1400		1												Samples received at 0 °C
B6-9'	19 A-C		1410		3	X						X	•				
B6-15'	20	11.27.23	1440	soil	3	X						X					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Richard Simpson	FILCO	11.29	930
Received by: DLX	DLX TW	DLX	11-2923	830
Relinquished by:				
Received by:	NHUT TRUONG	FKBI	11/29/23	11:25

Friedman and Bruya
5500 4th Ave S.
Seattle, WA 98108
Ph. (206) 285-8282

FORMS\COC\COC NEW LAB.DOC

311384

F&B

CHAIN OF CUSTODY AND LABORATORY SERVICES AGREEMENT

11/29/23 F2/VW1/D3/N2

FILCO COMPANY INC.
Environmental Services
ICC Certified • Lic# FILCOCI080RU
www.FilcoEnviro.com
Richard Simpson LG, LHg
Senior Geologist-Hydrogeologist
Richard@FilcoEnviro.com
Office: 206-547-8347 Fax: 206-548-9352
Street Address: 13190 Stone Avenue North, Seattle, WA 98133
Mailing Address: P.O. Box 31228, Seattle, WA 98103

SAMPLERS (signature)

PROJECT NAME: Port of Tacoma

PO: 31085

REMARKS: Project Specific RLs - Yes / No

INVOICE TO

Page # 3 of 3

TURNAROUND TIME
Standard Turnaround
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Archive Samples
Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	NWTPH-Gx BTEX	Total Pb				Notes
B7-5'	21	11-28-23	8:53	soil	1												
B7-9'	22 A-C		10:00	soil	3	X						X	•				
B7-15'	23		10:10	soil	3	X						X					
B7-GW	24		10:30	water	3	X						X					
B8-5'	25		11:08	soil	1												
B8-9'	26 A-C		11:20	soil	3	X						X	•				
B8-15'	27 A-B	11-28-23	11:30	soil	2	X						X					
																	Samples received at 0 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Richard Simpson	FILCO	11-29-23	930
Received by: DLX	DLX TLO TNOT.	DLX	11-29-23	9:30
Relinquished by:				
Received by:	NHUTRUONG	F&BI	11/29/23	11:25

Friedman and Bruya
5500 4th Ave S.
Seattle, WA 98108
Ph. (206) 285-8282

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APPENDIX B
SOIL BORING LOGS

PROJECT ADD: 1675 Lincoln Ave LOGGED BY RNS DATE 11.27.23 PAGE 1 of 2 PROJ # 31085

BORING NUMBER	DENSITY (Estimated)	MOISTURE Damp, Moist, Wet, Sat	COLOR	SOIL TYPE/USCS	PID	ODOR ND T M S	SHEEN ND TR MOD MOD HVY FP	INTERVAL	SAMPLE NUMBER	RUN
B1		M		Air knifed to 4 fbg		—	—	asphalt	4"	
↓		M		coarse SAND (SP)		—	—	0-4'		
↓	MD	M	DK GY	Poorly graded med-fine SAND (SP)		ND	Trace	4-5'	B1-5'	
B1	MD	▽@9.5'		P.G med. SAND 5-8', P.G fine Sand 8-10'		ND	ND	5-10'	B1-9'	
				Collected groundwater grab					B1-GW	
				above water saturated zone						
B2				Air knifed to 4' coarse SAND (SP)		—	—	0-4'		
↓	MD	M	DK GY	P.G. med. SAND w/ shell fragments		ND	Trace	4-5'	B2-5'	
↓	MD	▽@9.2'	"	P.G. fine SAND @ 8'-9' (SP)		S	Hvy	5-10'	B2-9'	
↓	M	Sat.	"	silt @ 9.5-12' (ML)		S	Hvy	10-12'	B2-12'	
B2				Collected GW grab sample					B2-GW	
B3				Air knifed to 5 fbg				asphalt		
↓				coarse SAND (SP)						
↓	MD	MD	DK GY	P.G. Med SAND 4-5'		ND	ND	0-5'	B3-5'	
↓	MD/MS	▽@9.1'	"	P.G M. Sand 5-11' (SP) silt 11-14' (ML)		ND	ND	5-10'	B3-9'	
B3	MD	MD	"	P.G. fine SAND @ 14-15' (SP)		ND	ND	10-15'	B3-12'	
				Collected GW grab sample					B3-GW	
B4			DK GY	Air knifed to 5 fbg. coarse SAND				asphalt		
↓	MD	M	"	P.G. Medium SAND		ND	ND	0-5'	B4-5'	
↓	MD	▽@9.1'	"	P.G. Medium SAND		S	Hvy	5-10'	B4-9'	
B4	MS/MD	Sat	"	SILT @ 11'-14'. Fine sand 15' (ML/SP)		S	Hvy	10-15'	B4-14'	

PROJECT ADD: 1675 Lincoln Ave LOGGED BY RNS DATE 11.27.23 PAGE 2 of 2 PROJ # 3108 5

BORING NUMBER	DENSITY (Estimated)	MOISTURE Damp, Moist, Wet, Sat	COLOR	SOIL TYPE/USCS	PID	ODOR ND T M S	SHEEN ND TR MOD MOD HVY FP	INTERVAL	SAMPLE NUMBER	RUN
B5				Air knifed to 5 fbg. coarse SAND		—	—	0->5'	—	
↓	MD	M	DK-GY	P.G. Medium SAND (SP)		ND	ND	4-5'	B5-5'	
↓	MD	▽@9.2'	"	P.G. fine SAND (SP)		ND	ND	5-9'	B5-9'	
B5	MS	Saturated	"	silt (ML)		ND	ND	9-10'	B5-10'	
B6				Air knifed to 5 fbg			—	0-5'	—	
↓	MD	M	DK-GY	P.G. Medium SAND (SP)		ND	ND	4-5'	B6-5'	
↓	MS	▽@9.2'	"	sandy SILT / SILT (ML)		ND	ND	5-10'	B6-9'	
B6	MD	Sat	"	P.G. Medium SAND (SP)		ND	ND	10-15'	B6-15'	
B7				Air knifed to 5 fbg				0-5		
↓	MD	M	DK.Gy	P.G. Coarse SAND (SP)		ND	ND	4-5'	B7-5'	
↓		▽@9.5'	"	SILT @ 9-10' (ML)		ND	ND	9-10'	B7-9'	
↓	MS	Sat	"	SILT to 15' (ML)		ND	ND		B7-15'	
B7				Collected G.W. grab sample					B7-GW	
B8				Air knifed to 5 fbg				0->5'		
↓	MD	M	DK.Gy	P.G. Med SAND to 9 fbg (SP)		ND	ND	4-5'	B8-5'	
↓	MS	▽@9.5'	"	silt @ 9-10 fbg (ML)		ND	ND		B8-9'	
B8	MS	Sat.	"	SILT to 15 fbg (ML)		ND	ND		B8-15'	
B9	refusal			Between USTs - south end: Refusal		concrete 72' cannot core				
B10	refusal			Utilities @ ~4 fbg near dispenser island - cannot advance probe.						
				- electrical conduits						

APPENDIX C
DEPARTMENT OF ECOLOGY TANK DECOMMISSIONING AND SITE ASSESSMENT FORMS

DEPARTMENT OF ECOLOGY
State of Washington

30-DAY NOTICE
FOR UNDERGROUND STORAGE TANK SYSTEMS

This form provides Ecology 30-days' advanced notice for projects, as required by Chapter 173-360A WAC. Instructions are on the back page.

UST ID #: 100639
County: Pierce

Please ✓ the appropriate box: ☐ Intent to Install ☒ Intent to Close ☐ Change-in-Service

I. SITE INFORMATION	II. OWNER/OPERATOR INFORMATION
Tag or UBI # (if applicable): 604171731	Owner/Operator Name: SSA Terminals, LLC
UST ID # (if applicable): 100639	Business Name: SSA Terminals, LLC
Site Name: SSA Terminals (Tacoma), LLC	Mailing Address: 1131 SW Klickitat Way
Site Address: 1675 Lincoln Avenue	City: Seattle State: WA Zip: 98134
City: Tacoma	Phone: 206-295-1504
Phone: 253-680-4426	Email: kelly.garber@ssamarine.com

III. CERTIFIED SERVICE PROVIDER(S)

Check the appropriate boxes. If more than one service provider is required for this project, fill out both sections.

Note: Individuals performing UST services MUST be ICC-certified or have passed another qualifying exam approved by the Department of Ecology.

1) ☐ Installer ☒ Decommissioner ☐ Site Assessor

Company Name: Saybr Contractors	Certification Type: ICC
Service Provider Name: Wes Noel	Cert. No.: 9608625 Exp. Date: 6.2724
Provider Phone: 253.531.2144	Provider Email: info@saybr.com

2) ☐ Installer ☐ Decommissioner ☒ Site Assessor

Company Name: FILCO COMPANY	Certification Type: ICC
Service Provider Name: Richard Simpson	Cert. No.: 8951044 Exp. Date: 8.4.2024
Provider Phone: 425 698 5834	Provider Email: Richard@Filcoenviro.com

IV. TANK AND/OR PIPING INFORMATION

TANK ID	TANK CAPACITY	SUBSTANCE STORED	PIPING INSTALLATION OR REPLACEMENT ONLY (Y/N)	DATE PROJECT IS EXPECTED TO BEGIN	COMMENTS
T-15	1,000 gal	Gasoline	N	11/01/2023	Tanks will be decommissioned and closed in place.
T-16	10,000 gal	Diesel	N	11/01/2023	

DEPARTMENT OF ECOLOGY
State of Washington

PERMANENT CLOSURE NOTICE
FOR UNDERGROUND STORAGE TANKS

This notice certifies that permanent closure activities were performed and conducted in accordance with Chapter 173-360A WAC. Instructions are found on the back page.

UST ID #: 100639

County: Pierce

I. UST FACILITY	II. OWNER/OPERATOR INFORMATION
Facility Compliance Tag #: **66987611**	Owner/Operator Name: **SSA Terminals**
UST ID #: **100639**	Business Name: **SSA Terminals**
Site Name: **SSA TERMINALS (TACOMA) LLC-WEST SITCUM TERMINAL**	Address: **1002 Milwaukee Way**
Site Address: **1675 Lincoln Ave**	City: **Tacoma** State: **WA** Zip: **98421**
City: **Tacoma WA 98421**	Phone: **(253) 593 8750**
Phone: **(253) 593-8750**	Email: **info@ssamarine.com**

III. CERTIFIED UST DECOMMISSIONER	
Company Name: **Saybr Contractors Inc.**	Service Provider Name: Wes Noel
Address: **3852 South 66th Street**	Certification Type: **ICC UST Decommissioning**
City: **Tacoma** State: **WA** Zip: **98409**	Cert. No.: **9608625** Exp. Date: **06/27/2024**
Provider Phone: (253 531 2144	Provider Email: **Info@saybr.com**
Provider Signature:	***Date:*** **12/18/2023**

IV. TANK INFORMATION

TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	CLOSURE METHOD			CLOSURE DATE
			removal	closed-in-place	change-in-service	
T-15	1,000	Unleaded Gasoline	☐	X	☐	11/14/2023
T-16	20,000	Diesel	☐	X	☐	11/14/2023
			☐	☐	☐	
			☐	☐	☐	
			☐	☐	☐	
			☐	☐	☐	

V. REQUIRED SIGNATURE

Signature acknowledges UST(s) comply with UST regulation WAC 173-360A-0810 Permanent Closure Requirements.

December 19, 2023		Kelly Garber
Date	Signature of Tank Owner/Operator or Authorized Representative	Print or Type Name

ECY 020-94 (Revised October 2018)

UST ID #: _____

County: _____

SITE CHECK/SITE ASSESSMENT CHECKLIST

FOR UNDERGROUND STORAGE TANKS

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

State of Washington

I. UST FACILITY		II. OWNER/OPERATOR INFORMATION	
Facility Compliance Tag #:	A4624	Owner/Operator Name:	APM Terminals Pacific LTD
UST ID #:	100639	Business Name:	SSA Terminals
Site Name:	APM Terminals Pacific Ltd	Address:	1002 Milwaukee Way
Site Address:	1675 Lincoln Avenue	City:	Tacoma State: WA Zip: 98421
City:	Tacoma	Phone:	(253) 593-8750
Phone:	(253) 593-8750	Email:	info@ssamarine.com

III. CERTIFIED SITE ASSESSOR

Service Provider Name: **Richard Newton Simpson**		Company Name: **FILCO COMPANY**	
Cell Phone: **4256985834**	Email: **Richard@filcoenviro.com**	Address: **13190 Stone Avenue North**	
Certification #: **8951044**	Exp. Date: **8/4/2024**	City: **Seattle**	State: WA Zip: **98133**

IV. TANK INFORMATION

TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	DATE SITE CHECK OR ASSESSMENT CONDUCTED
T-15	1,000 gallons	unleaded gasoline	11.27.23
T-16	20,000 gallons	diesel	11.27.23

V. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT (check one)

- ☒ **Release investigation following permanent UST system closure (i.e. tank removal or closure-in-place).**
- ☐ Release investigation following a failed tank and/or line tightness test.
- ☐ Release investigation following discovery of contaminated soil and/or groundwater.
- ☐ Release investigation directed by Ecology to determine if the UST system is the source of offsite impacts.
- ☐ 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).
- ☐ 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.	☒	☐
2. A brief summary of information obtained during the site inspection is provided (Section 3.2)	☒	☐
3. A summary of UST system data is provided (Section 3.1)	☒	☐
4. The soils characteristics at the UST site are described. (Section 5.2)	☒	☐
5. Is there any apparent groundwater in the tank excavation?	☒	☐
6. A brief description of the surrounding land use is provided. (Section 3.1)	☒	☐
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.	☒	☐
8. The following items are provided in one or more sketches:		
• Location and ID number for all field samples collected	☒	☐
• If applicable, groundwater samples are distinguished from soil samples	☒	☐
• Location of samples collected from stockpiled excavated soil	☒	☐
• Tank and piping locations and limits of excavation pit	☒	☐
• Adjacent structures and streets	☒	☐
• Approximate locations of any on-site and nearby utilities	☒	☐
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)	☒	☐
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.	☒	☐
11. Any factors that may have compromised the quality of the data or validity of the results are described.	☒	☐
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.	☒*	☐

VII. Required Signatures

Signature acknowledges the Site Check or Site Assessment complies with UST regulations WAC 173-360-360 through -395.

Richard N. Simpson, LG/LHg		12/6/2023
Print or Type Name	Signature of Certified Site Assessor	Date

* release is likely from other sources

DEPARTMENT OF ECOLOGY State of Washington

Underground Storage Tank System Summary

UST ID: 100639

Site Name: SSA TERMINALS (TACOMA) LLC-WEST SITCUM TERMINAL Glossary

UST ID:	100639	**Facility/Site ID:**	66987611	**Latitude:**	47.26139	**Active Tag(s):**	A4624
Address:	1675 Lincoln Ave			**Longitude:**	-122.41517	**Responsible Unit:**	Southwest
	TACOMA, WA 98421			**County:**	Pierce		

Tank Summary

Tank Name	Tank Status	Tank Install Date
T-15	Operational	10/1/1984
T-16	Operational	1/1/1984
T-17	Removed	10/1/1984

Tank Name: T-15 **Tank Status:** Operational

Tank Installation:	10/1/1984	**Tank Upgrade:**	12/11/1998	**Business License Endorsement Expiration:**	9/30/2024
Tank Status Date:	8/6/1996	**Piping Installation:**	12/11/1998	**Tank Permanently Closed Date:**	

Tank Information		Piping Information	
Material:	FRP not >E10 Compatible	**Material:**	Fiberglass
Construction:	Single Wall Tank	**Construction:**	Double Wall Pipe
Corrosion Protection:	Corrosion Resistant	**Corrosion Protection:**	Corrosion Resistant
Manifolded Tank:	Non-Manifolded Tank	**SFC* at Tank:**	Single Wall Sump
Release Detection:	Automatic Tank Gauging	**SFC* at Dispenser/Pump:**	Rubber Boot
Tank Manufacturer:		**Primary Release Detection:**	Automatic Line Leak Detector (ALLD)
Spill Prevention:	Single Wall Spill Bucket	**Secondary Release Detection:**	Annual Line Tightness Test (LTT)
Overfill Prevention:	Automatic Shutoff (fill pipe)	**Pumping System:**	Pressurized System
Actual Capacity:	1,000 Gallons	**Piping Manufacturer:**	
Capacity Range:	111 TO 1,100 Gallons	*SFC = Steel Flex Connector	

Compartment	Substance Stored	Substance Used	Capacity
1	Unleaded Gasoline	Motor Fuel for Vehicles	1,000 Gallons

Tank Name:	T-16			Tank Status:	Operational
Tank Installation:	1/1/1984	Tank Upgrade:	12/11/1998	Business License Endorsement Expiration:	9/30/2024
Tank Status Date:	8/6/1996	Piping Installation:	12/11/1998	Tank Permanently Closed Date:	

Tank Information		Piping Information	
Material:	FRP not >E10 Compatible	Material:	Fiberglass
Construction:	Single Wall Tank	Construction:	Double Wall Pipe
Corrosion Protection:	Corrosion Resistant	Corrosion Protection:	Corrosion Resistant
Manifolded Tank:	Non-Manifolded Tank	SFC* at Tank:	Single Wall Sump
Release Detection:	Automatic Tank Gauging	SFC* at Dispenser/Pump:	Rubber Boot
Tank Manufacturer:		Primary Release Detection:	Automatic Line Leak Detector (ALLD)
Spill Prevention:	Single Wall Spill Bucket	Secondary Release Detection:	Annual Line Tightness Test (LTT)
Overfill Prevention:	Automatic Shutoff (fill pipe)	Pumping System:	Pressurized System
Actual Capacity:	20,000 Gallons	Piping Manufacturer:	
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:	T-17			Tank Status:	Removed
Tank Installation:	10/1/1984	Tank Upgrade:		Business License Endorsement Expiration:	9/30/2015
Tank Status Date:	8/6/1996	Piping Installation:		Tank Permanently Closed Date:	

Tank Information		Piping Information	
Material:	Steel Clad with Corrosion Resistant Composite	Material:	
Construction:	Single Wall Tank	Construction:	Single Wall Pipe
Corrosion Protection:	Other	Corrosion Protection:	Impressed Current
Manifolded Tank:		SFC* at Tank:	
Release Detection:		SFC* at Dispenser/Pump:	
Tank Manufacturer:		Primary Release Detection:	
Spill Prevention:	25 Gallons or less	Secondary Release Detection:	
Overfill Prevention:	25 Gallons or less	Pumping System:	Gravity Delivery System (No Pump)
Actual Capacity:		Piping Manufacturer:	
Capacity Range:	2,001 to 4,999 Gallons	*SFC = Steel Flex Connector	

Compartment	Substance Stored	Substance Used	Capacity
1	Used Oil/Waste Oil	Recycled (Used Oil)	

Skip navigation

DEPARTMENT OF ECOLOGY State of Washington

Facility/Site

Home/Tabular search | Map search | Data Reports | Help

Lookup values

Search / FS ID 66987611 details

FS ID: 66987611

Map facility | Print Report

Maxar Powered by Esri

APM TERMINALS PACIFIC LTD
1675 LINCOLN AVE TACOMA WA 98421-2902

GIS latitude:
47.261389000943

Ecology region:
SWRO

Location description:

Legislative district:
27

GIS longitude:
-122.415167

County:
Pierce

Congressional district:
9

WRIA:
10

Tribal land:

N

Alternate names

Also known as

APM TERMINALS PACIFIC LTD

APM Terminals Tacoma LLC

MAERSK PACIFIC LTD

MAERSK PACIFIC LTD LINCOLN AVE

SEA LAND SERVICES

SSA Terminals Tacoma LLC

TACOMA PORT OF MAERSK PACIFIC

West Sitcum Terminal

West Sitcum Terminal - A

Alternate names

Interactions

Interaction	Interaction description	Ecology program	Ecology program contact	Program ID	Start date	End date
Underground Storage Tank	Any one or combination of tanks (including connecting underground pipes) that is	TOXICS	(360) 407-7224	100639	1/1/1984	

	used to contain regulated substances and has a tank volume of ten percent or more beneath the surface of the ground. This term does not include any of the exempt UST systems specified in WAC 173-360A-0110(1) or any piping connected thereto. See WAC 173-360A.					
Hazardous Waste Generator	Facilities that generate any quantity of a dangerous waste. They may be classified as SQG, MQG, or LQG	HAZWASTE	(360) 407-6734	WAD144258779	8/14/1987	12/31/2009

	depending on hazardous waste generated for a given month.					
Hazardous Waste Planner	Under Chapter 173-307 WAC, facilities that report under Section 313 of the Emergency Planning/Community Right-To-Know Act (EPCRA), or that generate more than 2,640 pounds of hazardous waste per year, must prepare Pollution Prevention Plans.	HAZWASTE	(360) 999-3657 P2Plans@ecy.wa.gov	WAD144258779	1/1/1992	3/28/2011
Urban Waters	The site has received an inspection by an Ecology Urban	HAZWASTE			8/26/2008	

	Waters Inspector.					
Industrial SW GP	General permit issued to industries to regulate the discharge of contaminated stormwater to state waters.	WATQUAL	(360) 407-6400	WAR000307	12/28/1992	12/31/2009
Haz Waste Management Activity	Facilities that are required to have an EPA/State ID number but who do not generate and/or manage hazardous waste (XQG generator status). This includes transporters, used oil recycler's, and dangerous waste fuel marketers and burners.	HAZWASTE	(360) 407-6734	WAD144258779	12/31/2009	12/31/2010

Hazardous Waste Generator	Facilities that generate any quantity of a dangerous waste. They may be classified as SQG, MQG, or LQG depending on hazardous waste generated for a given month.	HAZWASTE	(360) 407-6734	WAD144258779	12/31/2010	12/31/2011
Haz Waste Management Activity	Facilities that are required to have an EPA/State ID number but who do not generate and/or manage hazardous waste (XQG generator status). This includes transporters, used oil recycler's, and dangerous	HAZWASTE	(360) 407-6734	WAD144258779	12/31/2011	12/31/2013

	waste fuel marketers and burners.					
Hazardous Waste Generator	Facilities that generate any quantity of a dangerous waste. They may be classified as SQG, MQG, or LQG depending on hazardous waste generated for a given month.	HAZWASTE	(360) 407-6734	WAD1442587 79	12/31/2013	9/30/2017
Hazardous Waste Planner	Under Chapter 173-307 WAC, facilities that report under Section 313 of the Emergency Planning/Community Right-To-Know Act (EPCRA), or that generate more than 2,640 pounds	HAZWASTE	(360) 999-3657 P2Plans@ecy.wa.gov	WAD1442587 79	5/8/2015	3/9/2022

	of hazardous waste per year, must prepare Pollution Prevention Plans.					
Haz Waste Transfer Facility	Transfer facility is a site, owned, leased or operated by a transporter of regulated hazardous waste shipments where any of the following occurs: 1) receives wastes from another transporter, 2) transfers wastes from one transport vehicle to another, 3) transfers waste from one container to another, and	HAZWASTE	(360) 407-6734	WAD1442587 79	6/9/2016	12/31/2016

	4) stores waste within a vehicle or on property for 10 days or less. Examples of transfer facilities include a parking lot, warehouse, truck terminal, barge or steamship loading and unloading facility, or railroad spur loading or unloading facility.			
Non Enforcement Final	A Non-Enforcement action (i.e. permit, notice of construction, etc.) was finalized, issued to the respective party,	WATQUAL	(360) 407-6712	10/10/2016

	indicating the non-enforcement action was taken.					
Industrial SW GP	General permit issued to industries to regulate the discharge of contaminated stormwater to state waters.	WATQUAL	(360) 407-6400	WAR305772	10/2/2017	
Hazardous Waste Generator	Facilities that generate any quantity of a dangerous waste. They may be classified as SQG, MQG, or LQG depending on hazardous waste generated for a given month.	HAZWASTE	(360) 407-6734	WAD144258779	12/8/2017	
Haz Waste Transfer Facility	Transfer facility is a site, owned,	HAZWASTE	(360) 407-6734	WAD144258779	12/8/2017	12/31/2017

leased or operated by a transporter of regulated hazardous waste shipments where any of the following occurs: 1) receives wastes from another transporter, 2) transfers wastes from one transport vehicle to another, 3) transfers waste from one container to another, and 4) stores waste within a vehicle or on property for 10 days or less. Examples of transfer facilities include a parking lot,

	warehouse, truck terminal, barge or steamship loading and unloading facility, or railroad spur loading or unloading facility.				
Haz Waste Transfer Facility	Transfer facility is a site, owned, leased or operated by a transporter of regulated hazardous waste shipments where any of the following occurs: 1) receives wastes from another transporter, 2) transfers wastes from one transport vehicle to another, 3)	HAZWASTE	(360) 407-6734	WAD1442587 79	7/10/2018

	transfers waste from one container to another, and 4) stores waste within a vehicle or on property for 10 days or less. Examples of transfer facilities include a parking lot, warehouse, truck terminal, barge or steamship loading and unloading facility, or railroad spur loading or unloading facility.					
Emergency/Haz Chem Rpt TIER2	Businesses that store 10,000 pounds or more of a hazardous	HAZWASTE	(360) 407-6171	WAD144258779	4/17/2009	11/28/2017

	chemical or 500 pounds or less, depending on the chemical, of an extremely hazardous chemical on site at any one time must report annually. Reports are sent to the State Emergency Response Commission [represented by Ecology] Local Emergency Planning Committees, and local fire departments for emergency planning. [product, not waste]				
Hazardous Waste	Under Chapter 173-	HAZWASTE	(360) 999-3657	WAD1442587 79	5/2/2023

Planner	307 WAC, facilities that report under Section 313 of the Emergency Planning/Community Right-To-Know Act (EPCRA), or that generate more than 2,640 pounds of hazardous waste per year, must prepare Pollution Prevention Plans.		P2Plans@ecy.wa.gov	
State Cleanup Site	A site is being cleaned up under state regulations. Regulations include Model Toxics Control Act or its predecessors.	TOXICS	(360) 407-7224	4/10/2000

Interactions for this facility/site

NAICS codes ^

Code	Description
488320	Marine Cargo Handling
48849	Other Support Activities for Road Transportation
99999	Nonclassifiable Establishment

NAICS codes for this facility

SIC codes ^

Code	Description
4231	TRUCKING TERMINAL FACILITIES
4412	DEEP SEA FOREIGN TRANS. OF FREIGHT
4424	DEEP SEA DOMESTIC TRANS. OF FREIGHT
4491	MARINE CARGO HANDLING

SIC codes for this facility

Site Cleanup/Underground Storage Tank Removal Permit Letter

Tacoma - Pierce County Health Department
Healthy People in Healthy Communities

February 01, 2023

Case#: RO0000457

Sarah Weeks
Port of Tacoma
PO BOX 1837
Tacoma, WA98401-1837

Re: **Site Cleanup/Underground Storage Tank Removal**
Facility Name: PORT OF TACOMA (West Sitcum Terminal)
Site Address: 1002 MILWAUKEE WAY, Tacoma, 98424
Parcel Number: 0320024099, 8950000221

Here is a copy of the Site Cleanup/Underground Storage Tank (UST) Removal Permit for cleanup, investigation and tank removal activities located at the address listed above. A Site Assessment/Site Closure or appropriate status report is due within 90 days of UST removal or other UST Site activity.

In accordance with the Environmental Health Code Chapter 4: USTs, the current Site Owner or Operator must achieve Site Closure by demonstrating to the Health Department the UST and related components have been properly decommissioned and all contamination cleaned up. If Site Closure is not achieved by the time of permit expiration, the permit must be renewed.

If you have any questions regarding Health Department cleanup and UST removal requirements, contact us at ust@tpchd.org or (253) 649-1840.

See more information about our Underground Storage Tank Program at www.tpchd.org/ust.

Sincerely,

Keith Johnston
Environmental Health Specialist Supervisor
Waste Management/Environmental Health Division

Enclosures

cc:
Richard Simpson, Filco Company, Inc.
Lee Dalton, Saybr Contractors, Inc.

Site Cleanup/Underground Storage Tank Removal Permit

Tacoma - Pierce County Health Department
Healthy People in Healthy Communities

This permit grants the individuals listed below permission to perform Underground Storage Tank(UST) work at the site listed below in accordance with Chapter 4 of the Tacoma Pierce County Environmental Health Code The Site Owner and Operator are required to demonstrate no contamination and achieve Site Closure as defined in Chapter4.

Site Location 1002 MILWAUKEE WAY, Tacoma, WA 98424

Facility Name PORT OF TACOMA (West Sitcum Terminal)

Removal/Consulting Firm Filco Company, Inc.

Number of Tanks to be Removed (if applicable) _____

Permit #: RO0000457

Approval Signature

Permit Issued: 02/01/2023

All work must be performed in accordance with Environmental Health Code, Chapter 4 Underground Storage Tanks Board of Health Resolution, #2010-4225.

All UST Site activity schedules must be approved by the Health Department at least five business days before activity start date. Contact ust@tpchd.org or (253) 649-1840.

Reporting documents must be submitted within 90 days of UST Site activities, including UST removal, investigation and remedial actions.

Site Cleanup/UST Removal permits must be renewed after one year if Site Closure is not achieved.

Permit must be accessible at site. DO NOT ALTER OR DEFACE.
This permit expires one year from permit issued date.

APPENDIX D
TANK DECOMMISSIONING DOCUMENTATION

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 25135

Carrier No. 37668

Page _____ of _____

Marine Vacuum Service Inc.
(Name of carrier) (SCAC)

Date 10-30-23

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Marine Vacuum Service Inc.
Street 1516 South Graham Street
City Seattle State WA Zip Code 98108

FROM:
Shipper SAYBR Contractor
Street 1675 Union AVE
City Tacoma State WA Zip Code
24 hr. Emergency Contact Tel. No. ChemTel 1-800-255-3924 Contract MIS3627926

Route

Vehicle Number #2126

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel, Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II	100	6AL		
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT				
1 TT		Waste Water Non Reg by DOT				
1 TT		Used Oil Non Reg by DOT				
1 TT		Used Coolant Non Reg by DOT				

PLACARDS TENDERED: YES ☑ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER SayB Constractor
PER X

CARRIER Marine Vacuum Service
PER Sale
DATE 10/30/23

Permanent post-office address of shipper.

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. 25193

Carrier No. 37674

Date 11/13/23

Page _____ of _____

Marine Vacuum Service Inc.

(Name of carrier) (SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Marine Vacuum Service Inc.

Street 1516 South Graham Street

City Seattle State WA Zip Code 98108

FROM:
Shipper SAYBR CONTRACTOR INC

Street 1675 LINCOLN AVE

City State Zip Code

24 hr. Emergency Contact Tel. No. ChemTel 1-800-255-3924 Contract MIS3627926

Route

Vehicle Number 2126

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 TT	X	(DOT Spec Tank Required) UN1863 Fuel, Aviation, Turbin Engine, Class 3, PG I				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Mixture Class 3, PG II				
1 TT	X	(DOT Spec Tank Required) UN1203 Gasoline, Class 3, PG II				
1 TT	X	NA1993 Diesel Mixture, Class 3, PG III				
1 TT	X	NA1993 Diesel, Class 3, PG III				
1 TT	X	NA1270 Petroleum Oil, Class 3, PG I				
1 TT	X	NA1270 Petroleum Oil, Mixture, Class 3, PG I				
1 TT		Oily Waste Water Non Reg by DOT	600	6AL		
1 TT		Waste Water Non Reg by DOT				
1 TT		Used Oil Non Reg by DOT				
1 TT		Used Coolant Non Reg by DOT				
		Sludge	1	6AL		

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES — FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER SAYBR CONTRACTOR INC

PER X

CARRIER Marine Vacuum Service

PER

DATE 11/13/23

Permanent post-office address of shipper.