State of Washington
POLLUTION LIABILITY INSURANCE AGENCY
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August 28, 2019

Mr. Scott Rose
AEG
605 11th Ave SE, Suite 201
Olympia, WA 98501

Re: No Further Action at the Following Site:

- **Facility/Site Name:** ACME Bulk Fuel Facility
- **Facility/Site Address:** 303 Thurston Ave NE, Olympia, WA 98501
- **Facility/Site ID:** 45796251
- **PTAP Project No.:** PSW016

Dear Mr. Rose:

The Washington State Pollution Liability Insurance Agency (PLIA) received your request for an opinion on your independent cleanup of the ACME Fuel Bulk Plant 305 (Site). This letter provides our opinion. We are providing this opinion under the authority of Chapter 70.149 RCW and the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

Issue Presented and Opinion

Is further remedial action necessary to clean up contamination at the Site?

NO. PLIA has determined that no further remedial action is necessary to clean up contamination at the Site.

This opinion is based on an analysis of whether the remedial action meets the substantive requirements of MTCA, Chapter 70.105D RCW, and its implementing regulations, Chapter 173-340 WAC (collectively "substantive requirements of MTCA"). The analysis is provided below.

Description of the Site

This opinion applies only to the Site located at 303 Thurston Ave NE, Olympia, WA 98501 and comprises one Thurston County tax parcel described below (Fig. 2).

This opinion does not apply to any other release(s) that may affect the Properties (parcels). Any such releases, if known, are identified separately below.

1. Description of the Properties and Tax Parcels within the Site:

The Property includes the following tax parcel in Thurston County, affected by the Site and addressed by your cleanup (Fig. 2):

- Tax Parcel No. 78503100300

2. Description of the Site:

The parcel makes up the Site and is defined by the nature and extent of contamination associated with the following release (Figs. 2 and 3):

- Total petroleum hydrocarbons in the gasoline, diesel and oil ranges (TPH-g, TPH-d and TPH-o) and associated volatile organic carbons in the form of benzene, toluene, ethylbenzene and xylenes (BTEX), carcinogenic polynuclear aromatic hydrocarbons (cPAHs) and naphthalene into the soil/groundwater and air-vapor.

3. Identification of Other Sites that may affect the Property.

Please note, a parcel of real property can be affected by multiple sites. At this time, we have no information that this Property is being affected by another Site.

Enclosure A includes a detailed description and diagram of the Site, as currently known to PLIA.

Basis for the Opinion

This opinion is based on the information contained in the following documents:

1. June 2019 Quarterly Groundwater Sampling Results and Confirmation Soil Boring Report, Acme Bulk Fuel Facility, 303 Thurston Ave NE, Olympia, WA 98501. Project No. 12-114a of July 24, 2019 by AEG.
2. Interim Remedial Action Report, Acme Bulk Fuel Facility, 303 Thurston Ave NE, Olympia, WA 98501. Project No. 12-114a of December 5, 2018 by AEG.
3. Final Cleanup Action (CAP) Plan, Acme Bulk Fuel Facility, 303 Thurston Ave NE, Olympia, WA 98501. Project No. 12-114a of Jan 12, 2016 by AEG.

Documents submitted to PLIA are subject to the Public Records Act (Chapter 42.56 RCW). To make a request for public records, please email pliamail@plia.wa.gov.

This opinion is void if any information contained in those documents is materially false or misleading.

Analysis of the Cleanup

1. Cleanup of the Site

PLIA has concluded that **no further remedial action** is necessary to clean up contamination at the Site. That conclusion is based on the following analysis:

a. Characterization of the Site.

PLIA has determined your characterization of the Site is sufficient to establish cleanup standards and select a cleanup action. The Site is described above and in Enclosure A.

The Site is currently occupied by a Fast Fuel retail fuel station and is also the location of Acme Fuel Companies bulk fuel terminal for their delivery service. The Fast Fuel retail fueling station serves unleaded, mid-grade, premium gasoline fuel, and diesel fuel. Three aboveground storage tanks (ASTs) are present on Site: a 30,000-gallon propane tank, and a 30,000 and a 70,000-gallon diesel/heating oil tanks. Also present at the Site are six underground storage tanks (USTs): four 8,000-gallon leaded and unleaded gasoline and diesel tanks; one 500-gallon waste oil tank; and one 1,000 gallon tank used as an oil-water separator for both the AST pump dispenser and UST dispenser. The oil-water separator is connected to the sanitary sewer. Two pump island canopies and associated dispensers are located near the northeast area of the Site. A railroad track borders the western boundary of the Site and runs southeast to northwest. In addition to the six USTs described above, there is a 1,000-gallon UST used for gasoline to transfer fuel from the AST to trucks (Fig. 2). The Site and immediate area has been used for commercial and light industrial purposes since the late 1980s. The Site is zoned Urban Waterfront.

The Property is located within the southern area of the Puget Lowland in western Washington. The Puget Lowland is a north-south trough that lies from the Canadian Border south to the Willapa Hills and between the Olympic Mountains to the west and the Cascade Mountains to the east. The surficial geology at the Site is comprised of fill material. Typically, the fill consists of "clay, silt, sand, gravel, organic matter, shells, rip-rap, and debris emplaced to elevate the land surface and reshape surface morphology. This fill is underlain by native soils consisting of sands, silts, and clays, and at deeper depths a regional confining layer, which creates artesian groundwater conditions in Olympia.
The nature of the soils in the water-bearing zone appears to be the poorly graded sand (medium grained) to silty sand within the fill deposits.

Groundwater was encountered at about 5' to 7' below ground surface (bgs). Subsequent groundwater monitoring well measurements show that depth to groundwater ranges from about 2' to 5.5' bgs throughout the year. The direction of the shallow groundwater flow at the Site is generally to the east-northeast and north and it is tidally influenced (Fig 8). The surface water of the East Bay is approximately 800' east of the Site and the West Bay of Budd Inlet is approximately 1,300' west of the Site (Fig. 1).

MTCA defines a Site as where contamination has come to be located. As for this Site, it includes the Acme property along with areas under the right-of-way (ROW) of Thurston Avenue NE to the north (Figs. 3 & 4). Petroleum contaminated soil (PCS) detected at this Site is associated with the operation of the Fast Fuel retail fuel station and the December 2011 spill next to the former 70,000-gallon diesel AST. Approximately 2,600 gallons of diesel fuel spilled out of the open manhole cover at the bottom of the AST.

Subsequently, about 37,020 gallons of petroleum contaminated groundwater (PCGW) and 1,950 gallons of diesel product were recovered. Further excavation in the area of the spill extending down to the water table resulted in the removal of about 140 tons of PCS. Laboratory analytical results for groundwater samples collected from within the containment area, specifically below the former 70,000-gallon AST at boring B-2, indicated the presence of diesel-range TPH (75,000 µg/L), carcinogenic polycyclic aromatic hydrocarbons (cPAHs) (3.3 µg/L), and benzene (35 µg/L) (Figs. 5 & 6). Data also show that soil at monitoring well MW-4 (located adjacent northeast and down gradient of the spill area) was impacted by diesel- and gasoline-range petroleum hydrocarbons (TPH) at 2,600 milligrams per kilogram (mg/Kg) and 580 mg/Kg, respectively. These concentrations are above the MTCA Method A soil cleanup (Figs. 3 & 4).

Conceptual Site Model (CSM)

Soil Direct Contact: The subsurface soil conditions at the Site generally consist of fill deposits ranging from medium dense, poorly graded sand to silty sand to medium stiff clay to approximately 10' bgs. Weathered wood debris/fragments ranging from several inches to at least 2' thick were also observed below the clayey soil at depths of approximately 8 to 10' bgs.

The depth and extent of the PCS (TPH-g & TPH-d) at the Site **above** MTCA Method A cleanup levels was located approximately between 3' and 9' bgs (smear zone is about 5 to 9') and extends laterally about 144' northwest/southeast and about 38' southwest/northeast (Figs. 3 & 4).

PCS detected at the Site **above** the MTCA Method A unrestricted land-use cleanup levels that are located between 3' to 9'are within the depths (0 to 15' bgs) that humans (utility workers and property developers) may come into contact.

Result: The direct contact exposure pathway was a concern at this Site.

i. **Vapor Exposure:** The building footprint was not within the lateral inclusion zone of 30' or 15' vertical separation from the edge of the contamination at the former 70,000-gallon diesel AST. (Fig. 2). The lateral inclusion zone or vertical separation distance are defined as the areas surrounding a contaminant source through which vapor phase contamination might travel and intrude into buildings (ITRC 2018, EPA 2018, Ecology Draft VI Guidance update 2018).

Result: The vapor exposure pathway is not a concern at this Site.

ii. **Groundwater:** Groundwater was encountered at about 5' to 7' bgs throughout the Site during subsurface investigation activities. Subsequent groundwater monitoring well measurements show that depth to groundwater ranges from about 2' to 5.5' bgs throughout the year. The direction of the shallow groundwater flow at the Site is generally to the east-northeast and north and it is tidally influenced (Fig. 8).

The local water table fluctuates between 1' to 9' bgs with a mean value of 5.5' bgs. PCS within the saturated zone or the *"smear zone"* is estimated to be from 5' to 9' bgs. PCS and PCGW impacts away from the source Property are due to smear zone dynamic fate and transport facilitated by the fluctuating groundwater table, gravity and capillary forces.

PCGW (TPH-g & TPH-d) above the Method A cleanup levels detected at the Site extends laterally about 138' southwest/northeast and about 50' north/south (Figs. 5 and 6).

Result: The soil to groundwater leaching exposure pathway was a concern at this Site.

iii. **Surface water:** The nearest surface water body is the East Bay located about 800' east of the Site and the West Bay of Budd Inlet about 1,300' west of the Site. The direction of the shallow groundwater flow at the

Site is generally to the east-northeast and north and it is tidally influenced (Figs. 1 & 8).

Result: The surface exposure pathway was a concern at this Site.

b. Establishment of cleanup standards.

PLIA has determined the cleanup levels and points of compliance (POC) you established for the Site meet the substantive requirements of MTCA.

i. Cleanup Levels

Table 1. The COCs and cleanup levels are:

Contaminants of Concern (COCs)	Soil Cleanup Level mg/kg (**Method A**) Un-restricted Land Use	Groundwater Cleanup Level ug/l (Method A)	Sub-slab/soil gas Screening Levels ug/m^3 (Method B SL)	Indoor/Air Cleanup Levels ug/m^3 (Method B CUL)
TPH-d/o	2000	500	-	-
TPH-g	30*/100	800*/1000	-	-
cPAHs	0.1	0.1	-	-
Benzene (**carcinogen)**	0,03	5	10.7	0.321
Toluene	7	1000	76,000	2290
Ethylbenzene	6	700	15,200	457
Xylenes, -m, -o	9	1000	1,520	45.7
Naphthalene (**carcinogen**) (does not include 1-methyl and 2-methyl naphthalene)	5	160	2.45	0.0735
Total Petroleum Hydrocarbon	-	-	4,700**	140
APH [EC5-8 Aliphatics]	-	-	90,000	2,700
APH [EC9-12 Aliphatics]	-	-	4,700	140
APH [EC9-10 Aromatics]	-	-	6,000	180

*When benzene is present
** Based on the current attenuation factor of 0.03.

ii. Points of Compliance (POC).

The proposed POC are:

Soil -Direct Contact: For cleanup levels based on human exposure via direct contact, the standard POC is: "*…throughout the Site from ground surface to 15 feet below the ground surface.*" This is in compliance with WAC 173-340-740(6)(d) and represents a reasonable estimate of the depth of soil that could be excavated and distributed at the soil surface as a result of Site development activities.

Groundwater: For groundwater, the standard POC as established under WAC 173-340-720(8) is: "*…throughout the site from the uppermost level of the saturated zone extending vertically to the lowest most depth which could potentially be affected by the site.*"

Vapor: Cleanup levels need to be attained in the ambient air throughout the Site, including indoor air (WAC 173-340-750[6]).

c. Past Remedial Actions at the Site.

PLIA has determined past remedial actions conducted at the Site **have been sufficient** to meet cleanup standards (cleanup levels at the POC).

2011: During fuel delivery activities, about 2,600 gallons of diesel fuel spilled out of the open manhole cover at the bottom of the AST. Approximately 37,020 gallons of petroleum-impacted water was treated and 1,950 gallons of diesel were recovered. Further excavation in the area of the spill extending down to the water table resulted in the removal of about 140 tons of soil. Groundwater monitoring wells MW-1 through MW-5 were installed.
2012: Additional borings (B1 through B7) were advanced to further delineate the extent of PCS and PCGW at the Site.
2014-2015: As part of the Remedial Investigation, additional borings (GP1 through GP12) were advanced to further delineate the extent of PCS and PCGW at the Site.
2016: Decommissioning five USTs and excavating and disposing about 6,217 tons of PCS and treating and disposing about 418,600 gallons of PCGW and treating the residual in place with a combination of RegenOx® In-Situ Chemical Oxidation (RegenOx®) and Pelletized Oxygen Release Compound Advanced® (ORC-A®).

d. Selection of cleanup action.

PLIA has determined the cleanup action you selected for the Site, meets the substantive requirements of MTCA.

- Decommissioning of five USTs.
- Shoring and dewatering to access PCS in the saturated zone0
- Excavation and removal of about 6,217 tons of PCS at the Site below Method A (Figs. 3 & 4 and Table A1).
- Dewatering, treatment and disposal of about 418,600 gallons of PCGW (Figs. 5 & 6 and Table A3).
- Treating the residuals in place with a combination of 3,280 pounds of Part A to 680 pounds Part B of RegenOx® In-Situ Chemical Oxidation (RegenOx®) and 2,775 pounds of Pelletized Oxygen Release Compound Advanced® (ORC-A®) (Fig. 7).
- Conducting confirmation soil sampling to confirm effectiveness of the remedial action (Fig. 7 and Tables A1 & A2).
- Conducting groundwater quality performance monitoring to confirm effectiveness of the remedial action (Fig. 7 and Table A4).

e. Cleanup.

PLIA has determined the cleanup action you performed meets the substantive requirements of MTCA and met clean-up levels at the POC.

i. Soil Direct Contact Exposure Pathway:

The soil cleanup action includes:

- **Decommissioning of former four USTs:**
  - Tank 1: 8,000-gallon leaded gasoline, Tank 2: 8,000-gallon unleaded gasoline, Tank 3: 8,000-gallon diesel, and Tank 4: 8,000-gallon un-leaded gasoline.
- **Excavation and removal of 6,217 tons of PCS at the Site:**
  - The lateral and vertical extent of PCS detected at the Site was successfully excavated to the extent technically practicable from 6’ to 11’ bgs (Figs. 3, 4 and 7 and Table A1). In-accessible PCS due to structural limitations of the ROW of Thurston Avenue NE were treated in place with a combination of 3,280 pounds of Part A to 680 pounds Part B of RegenOx® In-Situ Chemical Oxidation (RegenOx®) and 2,775 pounds of Pelletized Oxygen Release Compound Advanced® (ORC-A®).
- **Points of Compliance (POC):**
  - The limit of the excavation is bounded by the extent of PCS confirmation sampling results below cleanup levels (Table A2). In April 2019, nine borings B-23A through B-31 were advanced to a maximum depth of 15’ bgs to assess the

completeness of the in-situ treatment. The borings were advanced in areas where soil had previously exceeded MTCA Method A cleanup levels, including areas down gradient, to confirm that the on-Site cleanup activities were successful (Fig. 7).

Analytical results of soil samples collected from 5 to 15' bgs were either non-detect or below MTCA cleanup levels (performance sampling result) for the PCS treated in-situ with a combination of RegenOx® and ORC-A® (Fig. 7 and Table A2).

Result: The soil direct contact exposure pathway is no longer a concern at this Site.

ii. **Groundwater Leaching Exposure Pathway:**
The groundwater cleanup action includes:

- Excavation and removal of 6,217 tons of PCS at the Site in contact with groundwater (smear zone).
- Dewatering process that removed and treated about 418,600 gallons of PCGW (Figs. 5 & 6 and Table A3).
- Conducted Performance Groundwater Monitoring (Table A4).

POC: The limit and extent of PCGW is bounded by the results of groundwater monitoring wells below cleanup levels for four consecutive quarters at the POC wells. For groundwater, impacts associated with petroleum at the Acme Fuel Site at the standard POC wells, MW-4R, MW-6, MW-7, MW-10, MW-11, MW-12, MW-13, MW-14, and MW-15 were below the Method A cleanup levels for over four consecutive quarters of performance monitoring (Fig. 7 and Table A4). Some of the wells were non-detect for petroleum for over four consecutive quarters.

Result: The groundwater leaching exposure pathway is no longer a concern at this Site.

iii. **Surface water:** The nearest surface water body is the East Bay located about 800' east of the Site and the West Bay of Budd Inlet about 1,300' west of the Site. The direction of the shallow groundwater flow at the Site is generally to the east-northeast and north and it is tidally influenced (Figs. 1 & 8).

PCS detected at this Site has been remediated to levels below the MTCA Method A unrestricted land use cleanup levels (Fig. 7 and Table

A2). PCGW detected at this Site has been remediated to levels below the MTCA Method A unrestricted land use cleanup levels (Fig. 7 and Table A4).

Result: The surface exposure pathway is no longer a concern at this Site.

Limitations of the Opinion

1. **Opinion does not settle liability with the state.**

   Under the MTCA, liable persons are strictly liable, jointly and severally, for all remedial action costs and for all natural resource damages resulting from the release(s) of hazardous substances at the Site. This opinion **does not:**

   - Change the boundaries of the Site.
   - Resolve or alter a person's liability to the state.
   - Protect liable persons from contribution claims by third parties.

   To settle liability with the state and obtain protection from contribution claims, a person must enter into a consent decree with the Office of the Attorney General and the Department of Ecology (Ecology) under RCW 70.105D.040 (4).

2. **Opinion does not constitute a determination of substantial equivalence.**

   To recover remedial action costs from other liable persons under the MTCA, one must demonstrate that the action is the substantial equivalent of an Ecology-conducted or Ecology- supervised action. This opinion does not determine whether the action you performed is equivalent. Courts make that determination (RCW 70.105D.080 and WAC 173-340-545).

3. **State is immune from liability.**

   The state, PLIA, and its officers and employees are immune from all liability, and no cause of action of any nature may arise from any act or omission in providing this opinion.

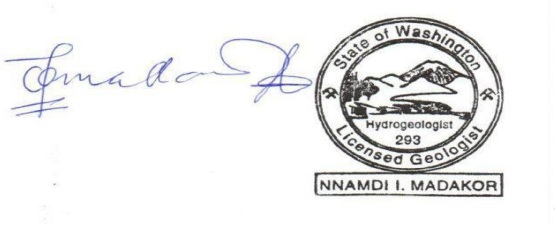
Termination of Agreement

Thank you for choosing to cleanup your Property under the Petroleum Technical Assistance Cleanup Program (PTAP). This opinion terminates the PTAP Agreement governing Project #PSW016.

Contact Information

If you have any questions about this opinion, please contact me by phone at 1-800-822-3905, or by email at nnamdi.madakor@plia.wa.gov.

Sincerely,



Nnamdi Madakor P. HG, P.G.
Technical Programs Manager

Nm: nm

Enclosure A: Fig. 1: Site Vicinity Map
Fig. 2: Site Plan Map
Fig. 3: Extent of Soil Gasoline Map
Fig. 4: Extent of Soil Diesel Map
Fig. 5: Extent of Groundwater Gasoline Map
Fig. 6: Extent of Groundwater Diesel Map
Fig. 7: Post Excavation Soil –Gasoline/Diesel Residual Map
Fig. 8: Groundwater Flow Map
Table A1: Soil Excavation Performance Analytical Data
Table A2: Soil Post Excavation and In-situ Treatment Performance Analytical Data
Table A3: Treated Excavation Groundwater Analytical Data
Table A4: Groundwater Performance Analytical Data

cc: Mr. Christophe Allen, Acme Fuel Company (owner)
Ms. Kristin Evered, PLIA (by email)
Ms. Carrie Pederson, PLIA (by email)
Ms. Becky Dilba, AEG (by email)

Enclosure A
Acme Fuel Company Site
PTAP Site No. PSW016

Figure 1: Site Vicinity Map

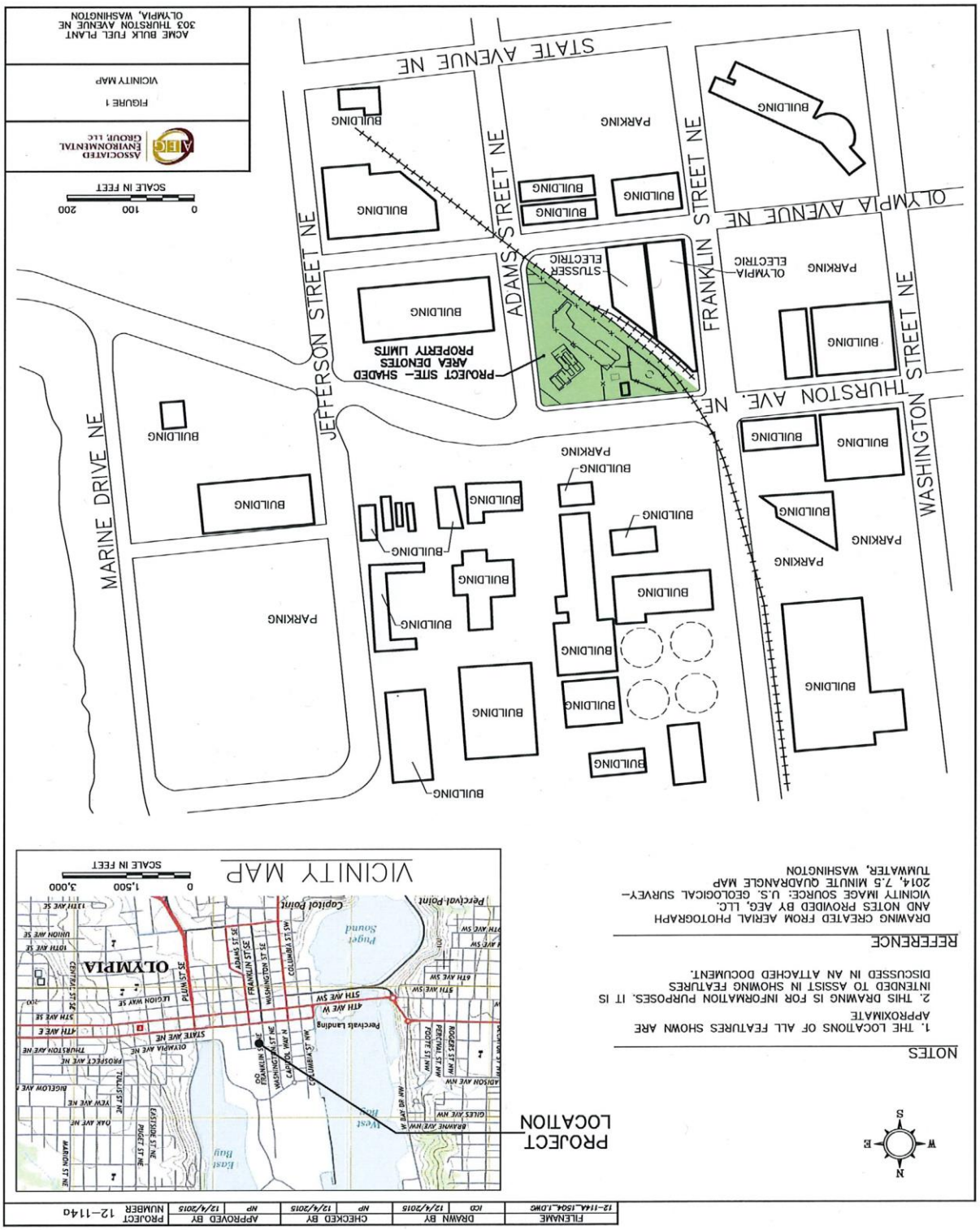


Figure 2: Site Plan Map

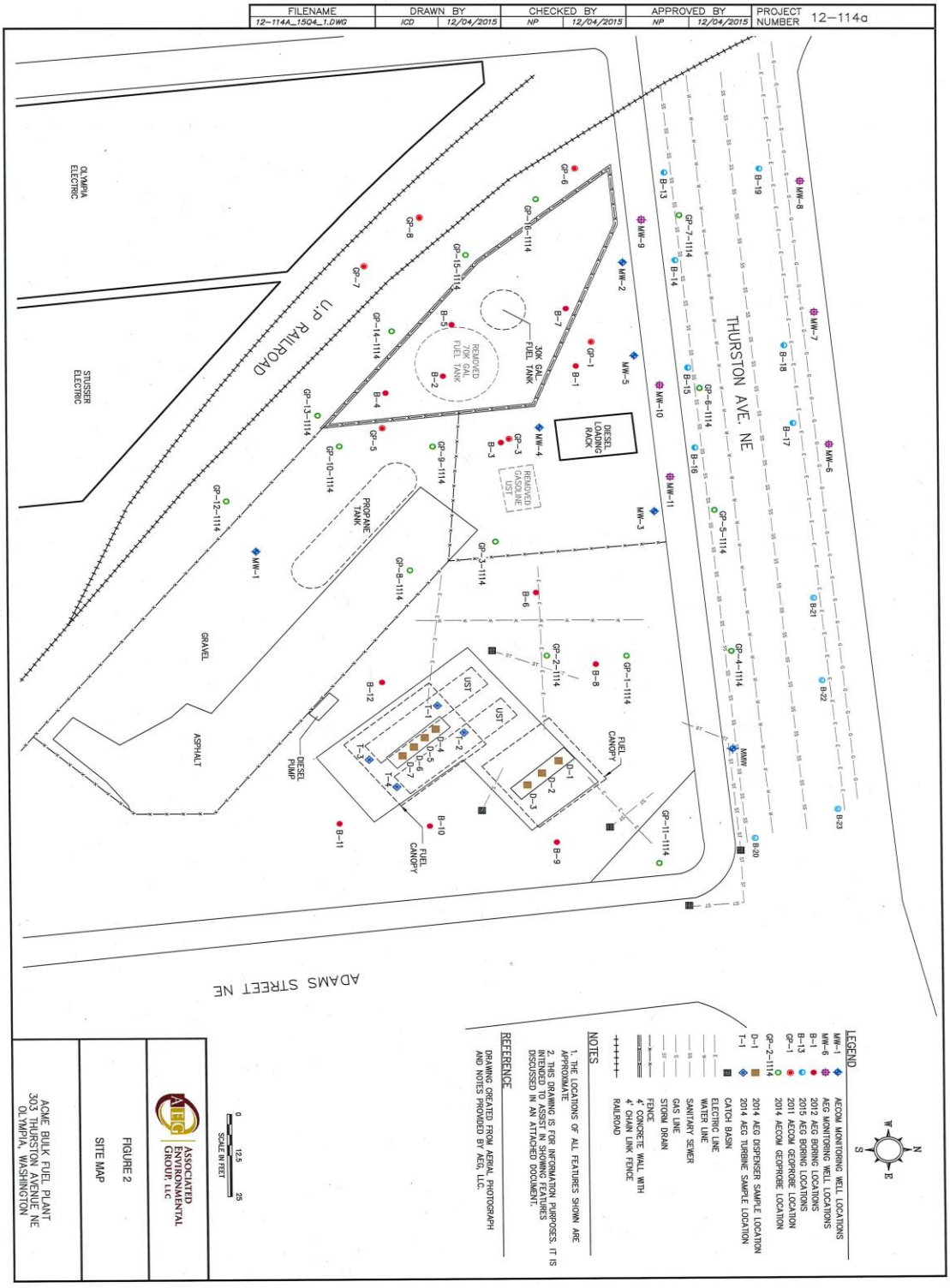


Figure 3: Extent of Soil Gasoline Map

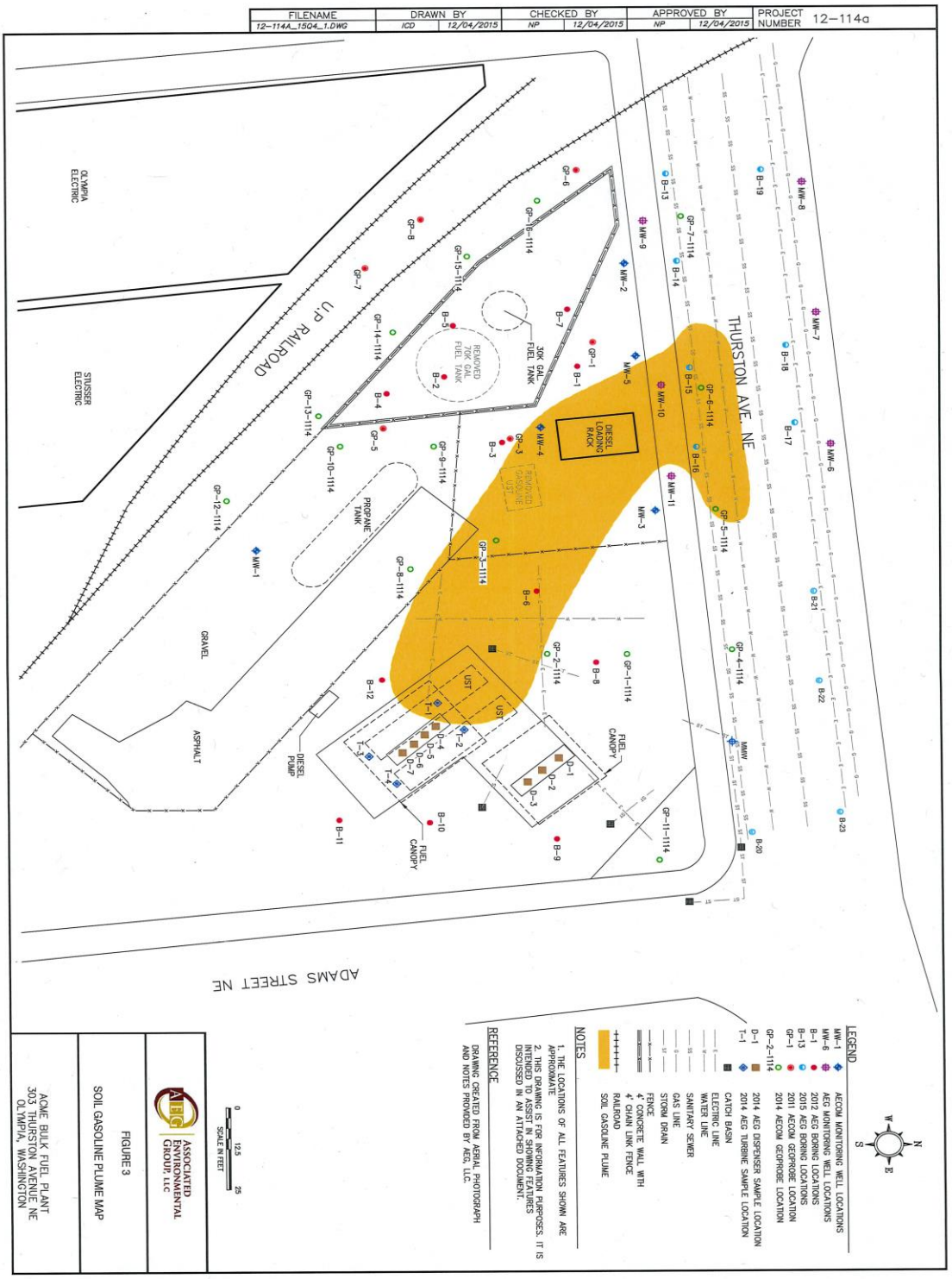


Figure 4: Extent of Soil Diesel Map

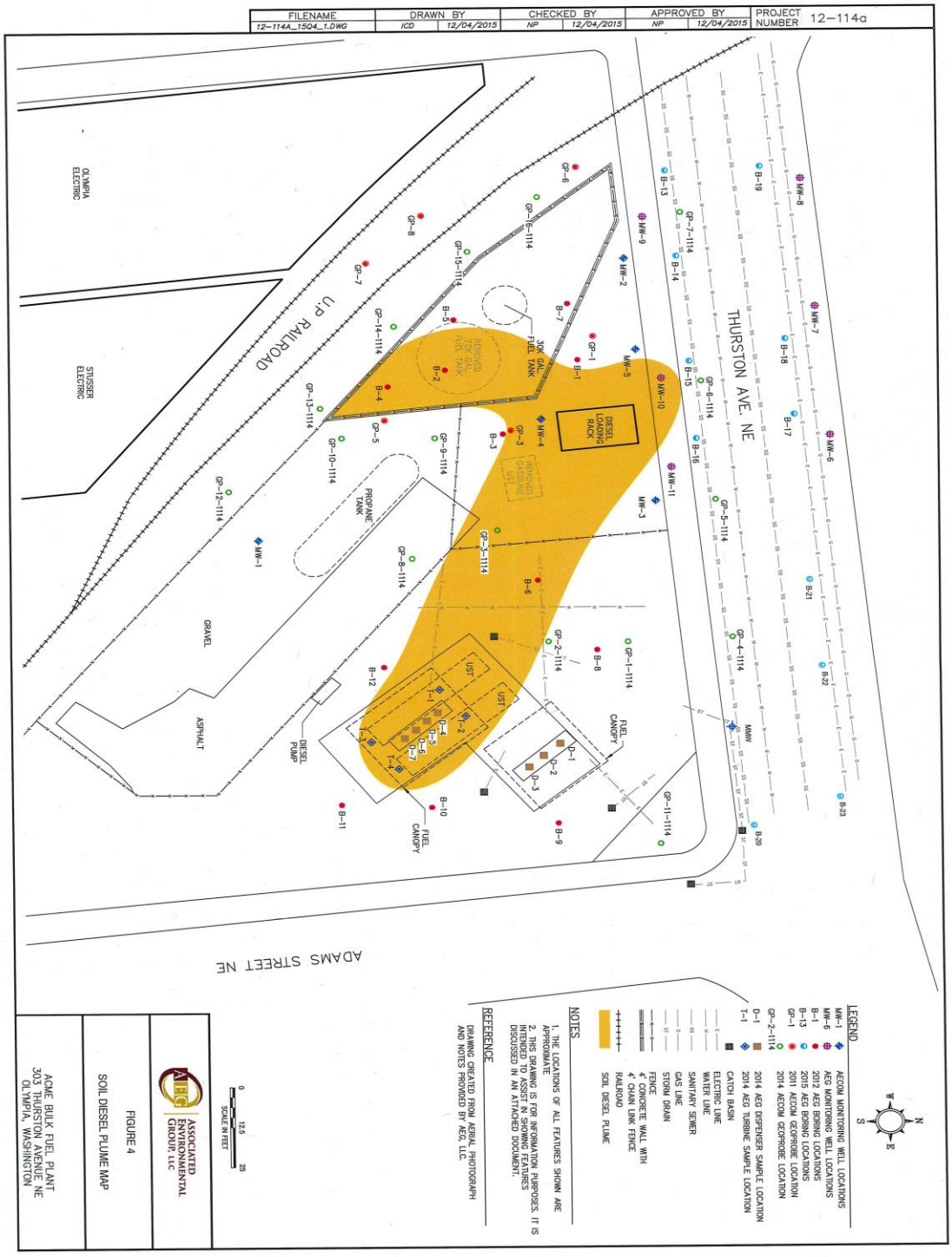


Figure 5: Extent of Groundwater Gasoline Map

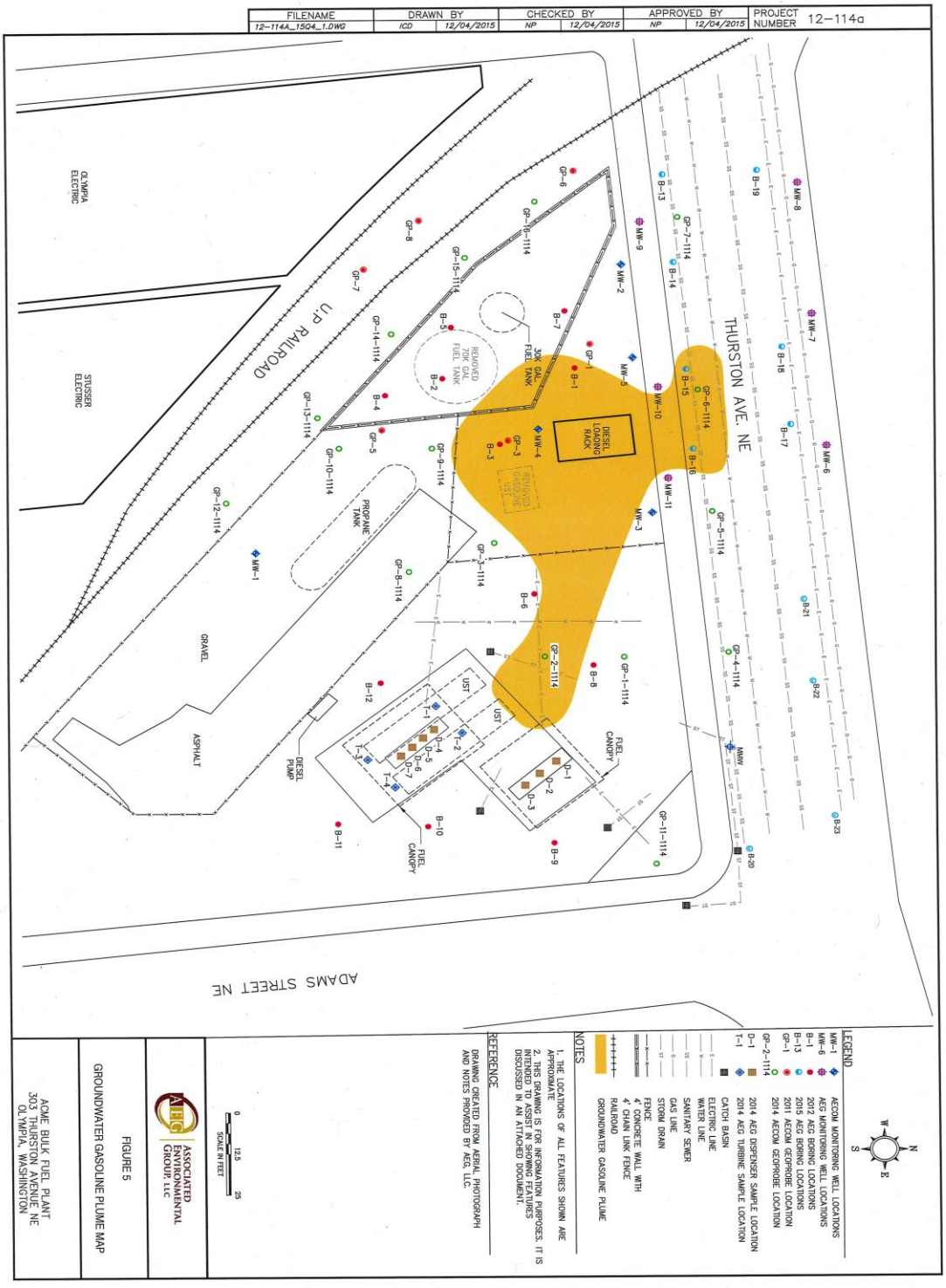


Figure 6: Extent of Groundwater Diesel Map

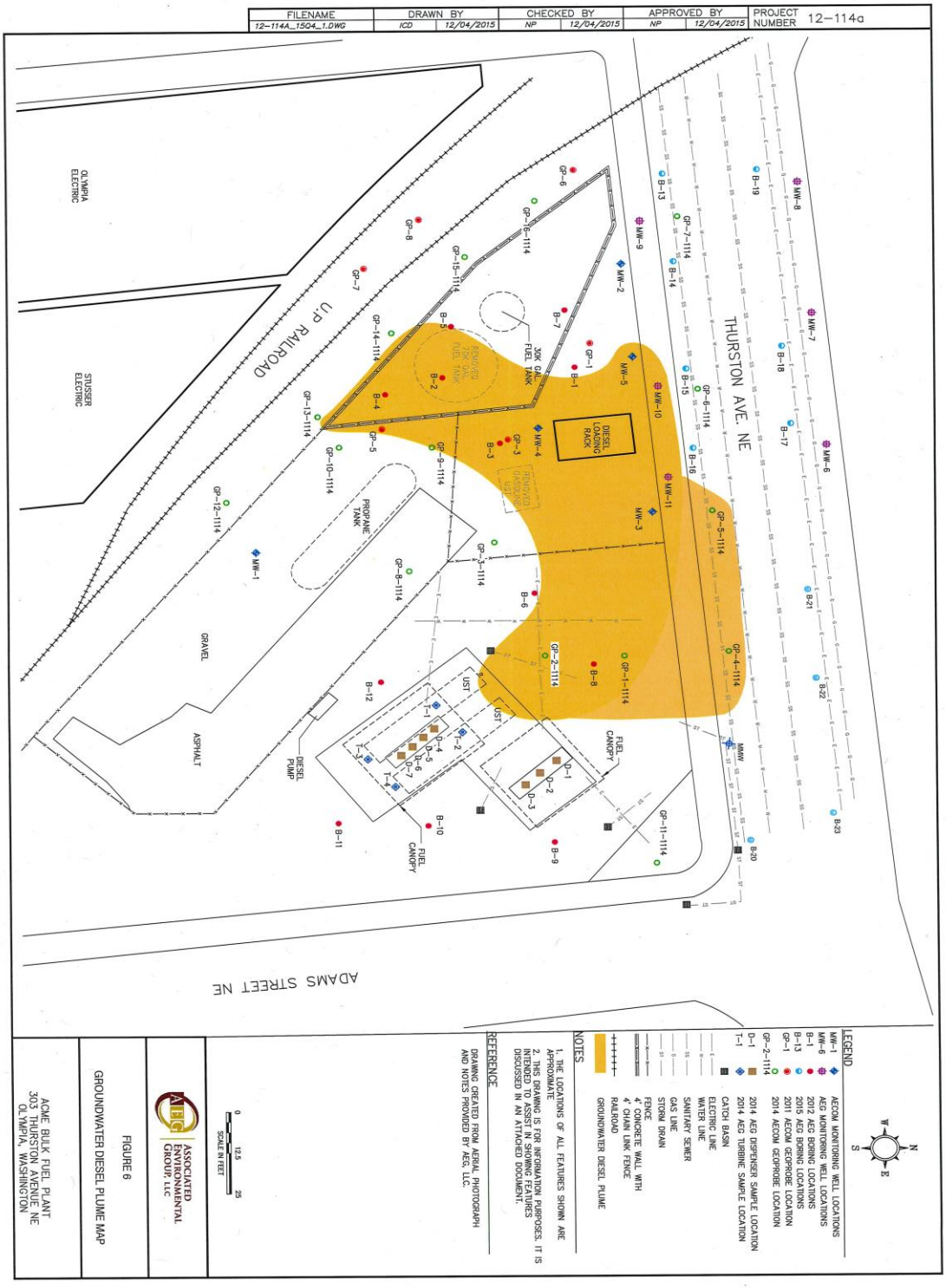


Figure 7: Post Excavation Soil–Gasoline/Diesel Residual Map

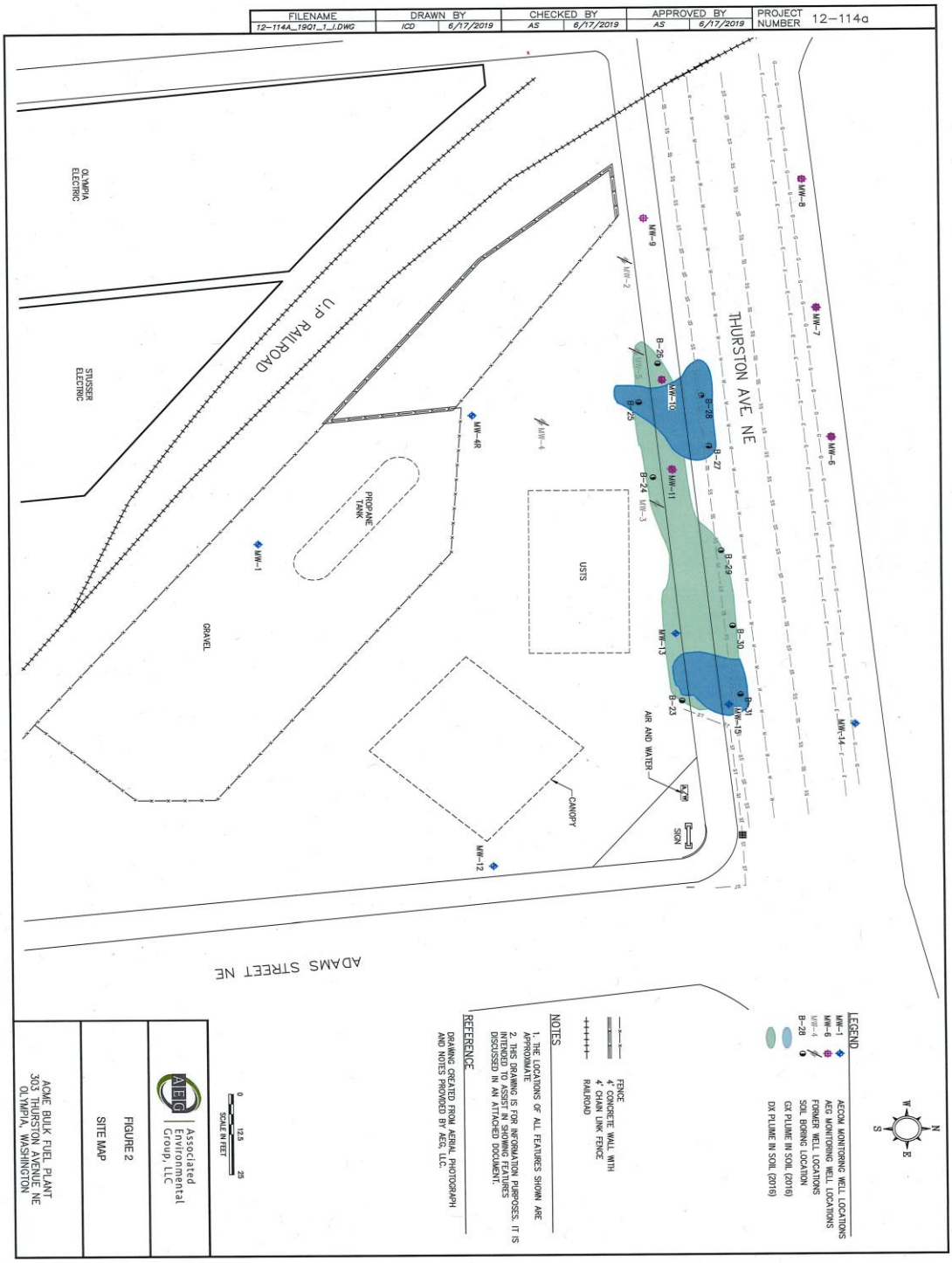


Figure 8: Groundwater Flow

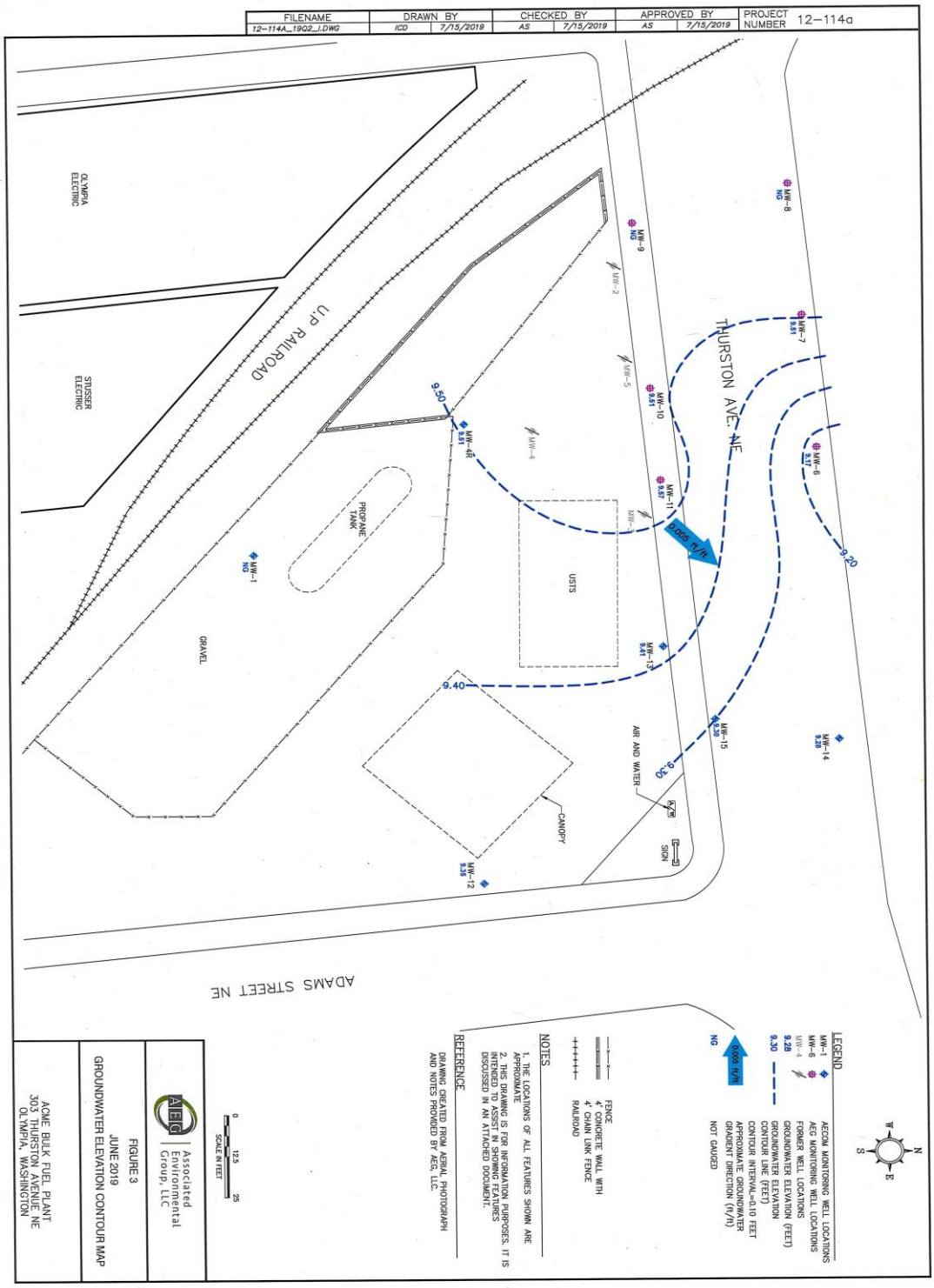


Table A1: Soil Excavation Performance Analytical Data

Table 1 - Summary of Excavation Soil Analytical Results
Acme Bulk Fuel Plant
Olympia, Washington

Sample Number	Depth Collected (feet)	Date Collected	Confirmation or Performance Sample	Volatile Organic Compounds				Total Petroleum Hydrocarbons (TPH)		
				Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline	Diesel	Heavy Oil
N1-4	4.0	7/12/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
W1-4	4.0	7/12/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
E1-2	2.0	7/12/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
E1-4	4.0	7/12/2016	C	<0.02	<0.10	<0.05	<0.15	<10	**500**	<250
S1-11	11.0	7/12/2016	C	<0.02	<0.10	<0.05	<0.15	<10	**113**	<250
N2-4	4.0	7/13/2016	C	<0.02	<0.10	<0.05	<0.15	<10	**174**	<250
N2-4-1	4.0	7/13/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
NB2-4	4.0	7/13/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
N2-4-2	4.0	7/13/2016	P	<0.02	<0.10	<0.05	<0.15	<10	**2,420**	<250
NB2-4-1A	4.0	7/13/2016	P	<0.02	<0.10	<0.05	<0.15	<10	**3,600**	<250
NB2-4-1	4.0	7/13/2016	P	<0.02	<0.10	<0.05	<0.15	<10	**9,950**	<250
CB2-6	6.0	7/13/2016	C	<0.02	<0.10	<0.05	<0.15	<10	**122**	<250
N2-6	6.0	7/13/2016	C	<0.02	<0.10	<0.05	<0.15	<10	**2,660**	<250
DAST1@11'	11.0	7/15/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
NWBC@11'	11.0	7/15/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
WSC@8'	8.0	7/15/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
S5-5	5.0	7/18/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
E5-4	4.0	7/18/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
E5-2	2.0	7/18/2016	P	<0.02	<0.10	<0.05	<0.15	**51**	**1,680**	<250
N5-3	3.0	7/18/2016	C	<0.02	<0.10	<0.05	<0.15	**12**	**12,300**	<250
S5-2-1	2.0	7/18/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T1-N	5.0	7/18/2016	P	<0.02	<0.10	**0.12**	**0.27**	**405**	<50	<250
SB5-5	5.0	7/18/2016	P	<0.02	<0.10	<0.05	<0.15	**249**	**190**	<250
N6-3	3.0	7/19/2016	C	<0.02	<0.10	<0.05	<0.15	<10	**97**	<250
S6-6	8.0	7/19/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
N6-9	9.0	7/19/2016	C	<0.02	<0.10	<0.05	<0.15	**235**	**2,620**	<250
N6-9A	9.0	7/19/2016	C	<0.02	<0.10	<0.05	<0.15	**92**	**3,620**	<250
S6-10	10.0	7/19/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	**270**
NB6-10	10.0	7/19/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
S6-10-1	10.0	7/19/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
SB7-10	10.0	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
N7-6	6.0	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250

Table 1 - Summary of Excavation Soil Analytical Results
Acme Bulk Fuel Plant
Olympia, Washington

Sample Number	Depth Collected (feet)	Date Collected	Confirmation or Performance Sample	Volatile Organic Compounds				Total Petroleum Hydrocarbons (TPH)		
				Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline	Diesel	Heavy Oil
N7-6-1	6.0	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
NB7-6	6.0	7/20/2016	P	<0.02	<0.10	<0.05	<0.15	<10	380	<250
N7-6-2	6.0	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	<10	131	<250
N7-5.5	5.5	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	56	3,870	<250
NB7-6-1	6.0	7/20/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
NB7-8	8.0	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
NB7-8-1	8.0	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
SB7-9	9.0	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
S7-9	9.0	7/20/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T1S	3.0	7/21/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T2N	3.0	7/21/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T3N	3.0	7/21/2016	P	0.11	6.89	1.68	70.5	1400	<50	<250
T3S	3.0	7/21/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T4N	3.0	7/21/2016	P	3.07	119	6.19	79.1	689	<50	<250
T2S	3.0	7/21/2016	P	<0.02	<0.10	<0.05	<0.15	<10	20,900	<250
T4S	3.0	7/21/2016	P	<0.02	<0.10	<0.05	<0.15	<10	119	<250
PLFI-4/5	4.0	7/22/2016	P	0.19	7.11	0.97	14.5	79	<50	<250
PLFI-7/8	4.0	7/22/2016	P	0.056	0.19	0.19	0.91	46	364	<250
PL4	4.0	7/22/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T2S-A	5.0	7/22/2016	P	0.035	0.51	0.26	3.35	128	74,700	<250
T1SWE*	8.0	7/22/2016	P	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T3SWN*	8.0	7/22/2016	P	0.24	0.75	11.9	18.3	2,200	708	<250
T3SWE*	8.0	7/22/2016	P	0.11	<0.10	11.8	38.9	8,040	<50	<250
T4SWW*	8.0	7/22/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T2SWW*	8.0	7/22/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T3B	12.0	7/22/2016	C	<0.02	0.33	0.11	0.84	13	<50	<250
T3SWS*	8.0	7/22/2016	P	<0.02	0.39	0.35	1.95	358	<50	<250
T1B	12.0	7/22/2016	P	<0.02	0.55	147	890	17,000 E	<50	<250
T2SWS*	8.0	7/22/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
T2B	12.0	7/22/2016	C	<0.02	0.37	0.07	0.70	<10	<50	<250
T4B	12.0	7/22/2016	C	<0.02	0.61	0.57	3.52	29	<50	<250
T4SWE*	8.0	7/22/2016	C	<0.02	0.35	0.062	0.61	<10	<50	<250
T4SWS*	8.0	7/22/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250

Table 1 - Summary of Excavation Soil Analytical Results
Acme Bulk Fuel Plant
Olympia, Washington

Sample Number	Depth Collected (feet)	Date Collected	Confirmation or Performance Sample	Volatile Organic Compounds				Total Petroleum Hydrocarbons (TPH)		
				Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline	Diesel	Heavy Oil
NC9-8	8.0	7/25/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
E9-8	8.0	7/25/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
EB9-8	8.0	7/25/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
N9-6	6.0	7/25/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
N9-8-1	8.0	7/25/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
EB9-10	9.0	7/25/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
NB9-10	10.0	7/25/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
EB10-8	8.0	7/26/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
E10-8	8.0	7/26/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
SB10-12	12.0	7/26/2016	C	<0.02	<0.10	<0.05	**0.30**	<10	<50	<250
HOT-FP	2.0	7/26/2016	C	--	--	--	--	--	<50	<250
HOT-SWE2	6.0	7/26/2016	C	--	--	--	--	--	<50	<250
HOT-SWW6	6.0	7/26/2016	C	--	--	--	--	--	<50	<250
T1B-1	10.0	7/26/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
HOT-BE	5.0	7/27/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
HOT-BW	5.0	7/27/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
HOT-BC	5.0	7/27/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
HOT-Stock	Stockpile	7/27/2016	Stockpile	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
8'SE B-9@6'SC	6.0	7/28/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
8'SE B-9@9'SBC	9.0	7/28/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
12'S B-9@6'SC	6.0	7/28/2016	C	<0.02	<0.10	<0.05	<0.15	<10	<50	<250
12'S B-9@9'SBC	9.0	7/28/2016	C	<0.02	<0.10	<0.05	<0.15	<10	**258**	<250
PQL				0.02	0.10	0.05	0.15	10	50	250
MTCA Method A Cleanup Levels				0.03	7	6	9	30*	2,000	2,000

Notes:
All values are presented in milligram per kilogram (mg/kg)
-- = Not analyzed for constituent
< = Not detected at the listed laboratory detection limits
E = Reported result is an estimate because it exceeds the calibration range
PQL = Practical Quantification Limit (laboratory detection limit)
Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level
Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

* Sample collected at approximately 5 to 6 feet along the sidewall of each UST
P = Performance sample, removed
C = Confirmation sample, left in place

Table A2: Soil Post Excavation and In-situ Treatment Performance Analytical Data

Table 3 - Summary of Soil Analytical Results
Acme Bulk Fuel Plant & Cardlock (Fast Fuel)
Olympia, WA

Sample Number	Date Sampled	Depth Sampled (feet)	Total Petroleum Hydrocarbons			Selected Volatile Organic Compounds			
			Diesel	Heavy Oil	Gasoline	Benzene	Toluene	Ethyl-benzene	Total Xylenes
B23-8.5	12/15/2015	8.5	<50	<100	<16	<0.02	<0.05	<0.05	<0.15
B23-10	12/15/2015	10	<50	<100	<17	<0.02	<0.05	<0.05	<0.15
MW12-7	2/17/2017	7	77	<100	<10	<0	<0.05	<0.05	<0.15
MW12-8	2/17/2017	8	**95**	<100	<10	0.02	<0.05	<0.05	<0.15
MW12-14	2/17/2017	14	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
MW13-8	2/17/2017	8	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
MW13-12	2/17/2017	12	<50	<100	<10	**0.029**	<0.05	<0.05	<0.15
MW4R-9	2/17/2017	9	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
MW4R-13	2/17/2017	13	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
MW14-8	2/17/2017	8	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
MW14-14	2/17/2017	14	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B23A-8	4/12/2019	8	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B24-8	4/12/2019	8	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B25-5	4/12/2019	5	**1,700**	<100	<10	<0.02	<0.05	<0.05	<0.15
B25-8	4/12/2019	8	**1,800**	<100	<10	<0.02	<0.05	<0.05	<0.15
B25-13	4/12/2019	13	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B26-5	4/12/2019	5	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B26-9	4/12/2019	9	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B27-5	4/12/2019	5	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B27-10	4/12/2019	10	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B27-15	4/12/2019	15	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B28-5	4/12/2019	5	**2,000**	<100	<10	<0.02	<0.05	<0.05	<0.15
B28-10	4/12/2019	10	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B29-5	4/12/2019	5	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B30-5	4/12/2019	5	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
B31-7	4/12/2019	7	<50	<100	<10	<0.02	<0.05	<0.05	<0.15
PQL			50	100	10	0.02	0.05	0.05	0.15
MTCA Method A Cleanup Levels			2,000	2,000	30	0.03	7	6	9

Table A3: Treated Excavation Groundwater Analytical Data

Table 2 - Summary of Treated Excavation Groundwater Analytical Results
Acme Bulk Fuel Plant
Olympia, Washington

Sample Number	Date Collected	Volatile Organic Compounds				Total Petroleum Hydrocarbons (TPH)		
		Benzene	Toluene	Ethylbenzene	Xylenes	Gasoline	Diesel	Heavy Oil
PRT-1 W	7/15/2016	<4.0	<20.0	<10.0	<20.0	<500	**890,000**	<2,000
CS-1	7/18/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
CS-2	7/19/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
CS-3	7/20/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
WS-2	7/21/2016	**4.0**	<2.0	<1.0	<3.0	**280**	<200	<400
WS-3	7/21/2016	**4.3**	<2.0	<1.0	<3.0	**210**	<200	<400
CS-4	7/21/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
CS-5	7/22/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
WS-4	7/22/2016	**12.2**	**3.1**	<1.0	<3.0	**580**	<200	<400
CS-6	7/25/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
WS-5	7/25/2016	**2.5**	<2.0	<1.0	**3.2**	**190**	<200	<400
CS-7	7/26/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
CS-8	7/27/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PRT-DW1	8/12/2016	<1.0	<2.0	<1.0	<3.0	<100	**2,130**	<400
PRT DW2	8/15/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PRT-DW3	8/16/2016	<1.0	<2.0	<1.0	<3.0	**138**	<200	<400
PRT-DW4	8/18/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PRT-DW5	8/19/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PRT-DW6	8/22/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PRT-DW7	8/23/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PRT-DW8	8/24/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PRT-DW9	8/25/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PRT-DW10	8/26/2016	<1.0	<2.0	<1.0	<3.0	<100	<200	<400
PQL		1.0	2.0	1.0	3.0	100	200	400
LOTT Discharge Limits		70	2,000	2,000	2,000	50,000	50,000	50,000

Notes:
All values are presented in micrograms per liter (µg/l)
-- = Not analyzed for constituent
< = Not detected at the listed laboratory detection limits
PQL = Practical Quantification Limit (laboratory detection limit)
LOTT Discharge Limits from Discharge Authorization Letter dated May 5, 2016
Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level
Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels
* TPH-Gasoline Cleanup Level with the presence of Benzene anywhere at the Site

Table A4: Groundwater Performance Analytical Data

Table 2 - Summary of Groundwater Analytical Results
Acme Bulk Fuel Plant
Olympia, WA

Sample/Well Number	Date Sampled	Total Petroleum Hydrocarbons			Selected Volatile Organic Constituents					Total cPAHs
		Gasoline	Diesel	Heavy Oil	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Naphthalenes	
B1-W	9/27/2012	2,600	<250	<500	16	1.0	72	41	--	--
B2-W	9/27/2012	--	75,000	<500	35	2.3	77	340	90	6.5
B3-W	9/27/2012	1,700	<250	<500	4.2	1.2	35	120	--	--
B4-W	9/27/2012	--	28,000	<500	3.3	4.9	115	390	100	3
B5-W	9/27/2012	--	<250	<500	2.3	1.5	40	110	--	--
B6-W	9/27/2012	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B7-W	9/27/2012	--	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B8-W	9/27/2012	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B10-W	9/27/2012	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B11-W	9/27/2012	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B12-W	9/27/2012	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B13-W	10/15/2015	560	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B14-W	10/15/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B15-W	10/15/2015	1,300	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B16-W	10/15/2015	3,400	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B17-W	10/16/2015	<100	900	<500	<1.0	3.3	<1.0	<3.0	--	--
B18-W	10/16/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B19-W	10/16/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B20-W	12/15/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B21-W	12/15/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B22-W	12/15/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
B23-W	12/15/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
MW-1	11/22/2011[1]	--	400	<200	--	--	--	--	--	--
	9/19/2012	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	1/9/2013	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	1/29/2014	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/22/2014	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	2/17/2015	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	2/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	5/23/2017	290	<200	<400	<1.0	<2.0	1.3	2.7	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
MW-2[2]	11/22/2011[1]	--	240	<200	--	--	--	--	--	--
	9/19/2012	117	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	1/9/2013	149	<200	<400	1.89	<2.0	5.64	15.6	--	--
	8/22/2014	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	2/17/2015	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
MW-3[2]	11/22/2011[1]	300	1,200	210	<0.2	<0.2	<0.2	<0.2	--	--
	9/19/2012	--	<200	<400	<1.0	<2.0	<1.0	<3.0	<0.100	<0.100
	1/9/2013	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	1/29/2014	524	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/22/2014	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	2/17/2015	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--

Table 2 - Summary of Groundwater Analytical Results
Acme Bulk Fuel Plant
Olympia, WA

Sample/Well Number	Date Sampled	Total Petroleum Hydrocarbons			Selected Volatile Organic Constituents					Total cPAHs
		Gasoline	Diesel	Heavy Oil	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Naphthalenes	
MW-4[2]	11/22/2011[1]	670	1,700	<200	17	9.6	14	47	--	--
	9/19/2012	--	<200	<400	7.4	<2.0	64.3	171	6.03	<0.100
	1/9/2013	2,350	<200	<400	3.98	<2.0	77.9	226	--	--
	1/29/2014	4,190	<200	<400	<1.0	<2.0	48.6	96.5	--	--
	8/22/2014	1,910	<200	<400	<1.0	1.3	7.6	13.7	--	--
	2/17/2015	1,580	<200	<400	<1.0	<2.0	6.3	52.1	--	--
MW-4R	2/17/2017	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	5/23/2017	600	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	3/14/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
MW-5[2]	11/22/2011[1]	<250	2,900	<200	<0.2	<0.2	<0.2	0.3	--	--
	9/19/2012	--	<200	<400	6.3	<2.0	24.1	14.3	0.441	<0.100
	1/9/2013	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	8/22/2014	263	<200	<400	<1.0	<2.0	<1.0	2.5	--	--
	2/17/2015	320	<200	<400	<1.0	<2.0	<1.0	2.6	--	--
MW-6	10/20/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	2/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	3/14/2019	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
MW-7	10/20/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	2/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	3/14/2019	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
MW-8	10/20/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	2/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--

Table 2 - Summary of Groundwater Analytical Results
Acme Bulk Fuel Plant
Olympia, WA

Sample/Well Number	Date Sampled	Total Petroleum Hydrocarbons			Selected Volatile Organic Constituents					Total cPAHs
		Gasoline	Diesel	Heavy Oil	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Naphthalenes	
MW-9	10/20/2015	**790**	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	2/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
MW-10	10/20/2015	<100	**8,800**	<500	<1.0	<1.0	<1.0	<3.0	--	--
	2/23/2017	**690**	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	5/23/2017	**175**	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	3/14/2019	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
MW-11	10/20/2015	<100	**3,100**	<500	<1.0	<1.0	<1.0	<3.0	--	--
	2/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	**1,120**	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	3/14/2019	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
MW-12	2/17/2017	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
MW-13	2/17/2017	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	3/14/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--

Table 2 - Summary of Groundwater Analytical Results
Acme Bulk Fuel Plant
Olympia, WA

Sample/Well Number	Date Sampled	Total Petroleum Hydrocarbons			Selected Volatile Organic Constituents					Total cPAHs
		Gasoline	Diesel	Heavy Oil	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Naphthalenes	
MW-14	2/17/2017	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	3/14/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
MW-15[3]	12/15/2015	<100	<250	<500	<1.0	<1.0	<1.0	<3.0	--	--
	2/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	5/23/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	8/18/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/5/2017	<100	<200	<400	<1.0	<2.0	<1.0	<2.0	--	--
	12/18/2018	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
	6/13/2019	<100	<200	<400	<1.0	<2.0	<1.0	<3.0	--	--
PQL		100	200	400	0.2/1.0	0.2/2.0	0.2/1.0	0.2/2.0/3.0	0.1	0.100
MTCA Method A Cleanup Levels		800*	500	500	5	1,000	700	1,000	160	0.1

Notes:

All values are presented in micrograms per liter (µg/L)

-- = Not analyzed for constituent

< = Not detected at the listed laboratory detection limits

cPAHs = Carcinogenic Polycyclic Aromatic Hydrocarbons

PQL = Practical Quantification Limit (laboratory detection limit)

Red Bold indicates the detected concentration exceeds Ecology MTCA Method A cleanup level

Bold indicates the detected concentration is below Ecology MTCA Method A cleanup levels

* TPH-Gasoline Cleanup Level with the presence of Benzene anywhere at the Site

[1] Groundwater monitoring/sampling conducted by AECOM November 2011.

[2] Well decommissioned during excavation.

[3] Existing well installed by others (date unknown) in Thurston Avenue.