STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
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Electronic Copy

July 26, 2017

Mr. Satnam Singh
MJMG Group Inc.
1018 Plum St SE
Olympia WA 98501

Re: No Further Action at the following Site:

- **Site Name:** MJMG Group LLC
- **Site Address:** 1018 Plum (826 Union Ave SE #101), Olympia, WA
- **Facility/Site No.:** 25489377
- **VCP Project No.:** SW1543

Dear Mr. Singh:

The Washington State Department of Ecology (Ecology) received your request for an opinion on your independent cleanup of the MJMG Group LLC facility (Site). This letter provides our opinion. We are providing this opinion under the authority of 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. Ecology 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 described below. The Site is defined by the nature and extent of contamination associated with the following release:

- Petroleum and related constituents into the soil and groundwater.

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

Please note a parcel of real property can be affected by multiple sites. At this time, we have no information that the parcel(s) associated with this Site are affected by other sites.

Basis for the Opinion

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

1. *Stage II Vapor Recovery System Installation*, Pacific Environmental Group, Inc., August 4, 1993.
2. *Environmental Site Assessment*, Pacific Environmental Group, Inc., October 5, 1995.
3. *Response to Request for Information letter*, Chevron, October 7, 1998
4. *Subsurface Site Assessment*, Cambria, April 29, 1999.
5. *Event of January 24, 2002, Groundwater Monitoring & Sampling Report*, Gettler-Ryan Inc., February 22, 2001.
6. *Site Summary for Closure*, Delta Environmental Consultants, Inc., August 23, 2001.
7. *Phase II Environmental Site Assessment*, Associated Environmental Group, LLC, May 24, 2016.
8. *Confirmation Sampling Results & NFA Request*, Associated Environmental Group, LLC, March 1, 2017.

These documents are kept in the Central Files of the Southwest Regional Office of Ecology (SWRO) for review by appointment only. You may make an appointment by calling the SWRO resource contact at (360) 407-6365.

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

Analysis of the Cleanup

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

1. Characterization of the Site.

Ecology has determined your characterization of the Site is sufficient to establish cleanup standards and select a cleanup action.

The Site is located on the northeast corner of the intersection of Union Avenue and Plum Street in Olympia, Washington (Figure 1). The Site is comprised of one tax parcel that is 0.93 acres. It is currently an active retail gasoline station with a convenience store, an automobile service building, and a drive through espresso stand. Four underground storage tanks (USTs), piping, and five pump islands currently make up the gasoline distribution system. The four USTs are 10,000-gallons in volume.

Site topography slopes slightly to the west and is at an elevation of approximately 20 feet above mean sea level. Pavement covers most of the Site with planters along both streets that delineate the entrances/exits to the Site. The surrounding area is commercial.

Site soils found during Site investigations generally consist of gravel fill and sand overlying silt with a high content of organic material. Groundwater was encountered at depths of 4 feet to 5 feet below ground surface (bgs) on the west side of the Site and at 14 feet to 15 feet bgs on the east side. Static groundwater levels have ranged from approximately 1.5 feet to 7.5 feet bgs. Groundwater flow direction has been predominantly to the northeast with an occasional shift to the north.

In 1993, a stage II vapor recovery system was added to the UST system (Figure 2, Table 1). Contamination was found beneath the northern pump island (Figure 2, locations T-8 and T-9) and at location T-1 at the south pump island, along with in the piping trenches. The highest results, in milligrams per kilogram (mg/kg) for Total Petroleum Hydrocarbons-Gasoline (TPH), benzene, and total xylenes were, respectively, 1,700, 0.039, and 84. Results for toluene and ethylbenzene were either non-detect or below the cleanup levels in use at that time. Samples were also analyzed for lead (Pb) of which none of the results were above the cleanup level.

A site assessment and facility upgrades were completed at the Property in 1995. The existing pump islands and piping were removed and new ones installed. Samples were collected from beneath the pumps and in the piping trenches during the removals/installations. The highest results, in mg/kg, for TPH-G, benzene, toluene, ethylbenzene, and total xylenes (BTEX) were, respectively, 9,900, 30, 450, 100, and 990. These detections were all found at 2 feet to 3 feet bgs. Contamination was found in the previously contaminated areas along with additional contamination found in the vicinity of the middle pump island. Figure 3 shows the sampling locations and Table 2 lists the results. The horizontal and vertical extent was not determined at that time.

At that time, a fourth 10,000-gallon gasoline tank was installed to the south of the existing tanks.

Soil samples were collected in the excavation prepared for the new UST; analyses did not detect any contamination. The excavation reached a total depth of 16 feet bgs. During this work, groundwater entered the excavation and was pumped into holding tanks. Initial samples found high levels of TPH-G, benzene, and xylenes (Table 3). The water was treated with a portable air sparging unit. After treatment, the water was sampled and analyzed for TPH-G and BTEX. When analytical results confirmed compliance with City of Olympia requirements, it was discharged to the on-Property storm water drainage system. Approximately 294,000 gallons of water were removed from the excavation, treated, and disposed.

A 1,000-gallon waste oil tank, east of the tank nest, was removed and later reinstalled. Samples from the excavation were analyzed for TPH-G, Total Petroleum Hydrocarbons-Diesel (TPH-D), Total Petroleum Hydrocarbons-Oil (TPH-O), BTEX, and Pb. The only detections were several low levels of Pb and one detection of TPH-D at 20 mg/kg.

Excavated soil was segregated and stockpiled on Site. Samples were collected from each stockpile and the approximately 80 cubic yards of clean soil was used as on-Site backfill. Approximately 415 cubic yards of stockpiled soil with confirmed contamination below cleanup levels was transported to Associated Sand and Gravel in Everett, Washington, for disposal. The approximately 250 cubic yards of confirmed contaminated soil with results above cleanup levels was transported to TPS Technologies, Inc. in Tacoma, Washington, for treatment.

A letter from Chevron dated October 7, 1998, stated that the contamination found near the pump islands was "...likely overexcavated [sic] during construction." No documentation was included to bolster this claim.

Additional investigative work was done in 1999. Four soil borings were advanced and completed as groundwater monitoring wells MW-1 through MW-4 (Figure 4). Five soil samples were collected during the drilling of each boring and field screened. Samples from the 4 to 5 foot and 10 to 13.5 foot intervals were submitted for TPH-G, TPH-D, TPH-O, cadmium, chromium and Pb laboratory analysis. All results were below current Method A cleanup levels. One sample was also analyzed for BTEX, of which all results were below cleanup levels.

Groundwater samples were collected from the monitoring wells and analyzed for TPH-G, TPH-D, TPH-O, BTEX, methyl tert-butyl ether (MTBE), dissolved Pb, ethylene dibromide (EDB), and ethylene dichloride (EDC). The only detection above cleanup levels was benzene at 5.41 micrograms per liter (µg/l) in monitoring well MW-1.

It should be noted that the detection limit for EDB was above the current Method A cleanup level. Groundwater elevation data indicated that the groundwater flow direction was to the northeast (Figure 4). Subsequent elevation data also confirmed this dominant flow direction with a very occasional shift to the north.

Groundwater sampling was conducted periodically at the Site from March 1999 through January 2001. During that time, the only detections above cleanup levels besides the one benzene detection previously mentioned, were TPH-D at 3,590 µg/l and TPH-O at 819 µg/l. These detections were found in MW-2 in March 2000. Samples collected afterwards were analyzed after using silica gel cleanup (SGC) and were non-detect. It should be noted that using SGC on TPH-D and TPH-O groundwater samples is not accepted by Ecology without adequate justification. The location of MW-2 (Figure 4) makes these TPH detections somewhat suspect since the well has been demonstrated to be predominantly up gradient from any contamination identified with the UST system on the Site.

No monitoring was done again until five rounds were collected in 2005 through 2006. Three more rounds were collected starting in August 2015. Samples from the most recent rounds were analyzed for TPH-G, TPH-D, TPH-O, BTEX, and total and dissolved Pb. Only low levels of Pb-T and Pb-D were detected. The TPH-D and TPH-O detections found in MW-2 in March 2000 were not found in these latest rounds.

A Phase II investigation was completed at the Site in April 2016. Seven borings were advanced to depths of 10 feet to 15 feet bgs (Figure 5). Soil samples were analyzed for TPH-G, TPH-D, TPH-O, and BTEX. Selected samples were additionally analyzed for EDB, EDC, MTBE, total naphthalenes, and Pb. Samples from B1 and B2, located next to the waste oil tank, were also analyzed for total carcinogenic polynuclear aromatic hydrocarbons, and polycyclic bi-phenols. Results of these analyses found TPH-G detections of 15 mg/kg in B3 at 10 feet bgs and 28 mg/kg at 10 feet bgs in B1 (Table 4). Three samples had detectable Pb at concentrations that were well below the Method A cleanup level of 250 mg/kg. Table 4 lists the analyses done for each soil sample and the results.

During this work, groundwater was encountered at 7 feet to 10 feet bgs. Samples were collected from each borehole and analyzed for the same constituents as the soil samples. The only results were from samples collected in borings B1 and B2. The detections, ethylbenzene, total naphthalenes, TPH-G, and total Pb, were all below Method A cleanup levels. Table 5 lists the analyses done for each groundwater sample and the results (Table 5). The groundwater samples for TPH-D and TPH-O were not subjected to SGC.

The work done in 2016 completed the majority of the characterization of the Site. The remaining data gap was the area around the southwestern dispenser where contamination had been found during investigative work in 1995.

In February 2017, a hand auger boring was advanced in this area and a sample of native soil was collected at 3 feet bgs. The sample, GD#3, was analyzed for TPH-G and BTEX (Figure 5; Table 4). No detections of BTEX above detection limits were found. The TPH-G result was 120 mg/kg, above the Method A cleanup level.

Groundwater has been monitored sporadically. The most recent results are from August, 2016, which completes a total of 7 consecutive rounds of clean results. A compilation of groundwater results is presented in Table 6.

2. Establishment of cleanup standards.

Ecology has determined the cleanup levels and points of compliance you established for the Site meet the substantive requirements of MTCA.

a. Cleanup levels

MTCA Method A Cleanup Levels for unrestricted land use for soil and groundwater were used to characterize the Site.

The Method A cleanup levels used were:

Soil:

TPH-G	30 mg/kg
Benzene	0.03 mg/kg
Toluene	7 mg/kg
Ethylbenzene	6 mg/kg
Total Xylenes	9 mg/kg
TPH-D	2,000 mg/kg
TPH-O	2,000 mg/kg
Pb	250 mg/kg

Groundwater:

TPH-G	800 ug/l
Benzene	5 ug/l
Toluene	1000 ug/l
Ethylbenzene	700 ug/l
Total Xylenes	1000 ug/l
TPH-D	500 ug/l

TPH-O	500 µg/l
Pb	15 µg/l

b. Points of compliance

Standard points of compliance were used for the Site.

The Points of Compliance were:

Soil -Direct Contact: For soil cleanup levels based on human exposure via direct contact, the point of compliance is: "*...throughout the Site from ground surface to 15 feet below the ground surface.*"

The direct-contact pathway was not complete since all contaminated soil was removed with the exception of sample GD#3 that had a detection of TPH-G at 120 mg/kg. The statistical method cited in WAC 173-340-740(7)(d) was used to determine that statistically the cleanup standard was met base on the following:

- The concentration of 120 mg/kg is less than twice the cleanup level (using the Method A cleanup level of 100 mg/kg with no benzene).
- This one detection occurred in less than 10% of the total number of soil samples collected at the Site (1 of 17) and analyzed for TPH-G.
- The upper one-sided 95% confidence limit on the true mean soil concentration (31.26 mg/kg) is less than the cleanup level.

Soil- Leaching: For sites where soil cleanup levels are based on the protection of groundwater: "*...the point of compliance is throughout the Site*

This pathway is incomplete since soil contamination above applicable cleanup levels was removed.

Groundwater: For groundwater, the standard point of compliance 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.*"

The groundwater pathway is incomplete based on no remaining soil contamination and the most recent six rounds of sampling did not detect any contamination above cleanup levels.

Although SGC was used on the TPH-D and TPH-O samples, during the 2016 work two grab groundwater samples were collected and analyzed for these parameters, the results of which were non-detect. They were not subjected to SGC, suggesting that TPH-D and TPH-O are not present at the Site above cleanup levels.

Vapor: Ambient and Indoor Air throughout the site

This pathway is incomplete because all soil contamination was removed.

3. Selection of cleanup action.

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

The selected remedy was excavation of contaminated soils, groundwater removal and treatment, and groundwater monitoring.

4. Cleanup.

Ecology has determined the cleanup you performed meets the cleanup standards established for the Site.

Cleanup actions at the Site have consisted of the excavation and disposal of a total of approximately 665 cubic yards of contaminated soil. Approximately 415 cubic yards of soil with confirmed contamination below cleanup levels was transported to Associated Sand and Gravel in Everett, Washington, for disposal. The approximately 250 cubic yards of confirmed contaminated soil with results above cleanup levels was transported to TPS Technologies, Inc. in Tacoma, Washington, for treatment.

During UST installation, approximately 294,000 gallons of groundwater was pumped out of the excavation into Baker tanks. The water was treated with an air sparging system and once contamination levels were at an acceptable level, it was discharged into the storm water system.

Groundwater quality has been monitored periodically since 1999.

Listing of the Site

Based on this opinion, Ecology will initiate the process of removing the Site from our lists of hazardous waste sites, including:

- Hazardous Sites List.
- Confirmed and Suspected Contaminated Sites List.

That process includes public notice and opportunity to comment. Based on the comments received, Ecology will either remove the Site from the applicable lists or withdraw this opinion.

Limitations of the Opinion

1. Opinion does not settle liability with the state.

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

- 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 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 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 substantially equivalent. Courts make that determination. *See* RCW 70.105D.080 and WAC 173-340-545.

3. State is immune from liability.

The state, Ecology, 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. *See* RCW 70.105D.030(1)(i).

Termination of Agreement

Thank you for cleaning up the Site under the Voluntary Cleanup Program (VCP). This opinion terminates the VCP Agreement governing this project (SW1543).

For more information about the VCP and the cleanup process, please visit our web site: www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm. If you have any questions about this opinion or the termination of the Agreement, please contact me by phone at (360) 407-6263 or e-mail at Carol.Johnston@ecy.wa.gov.

Sincerely,

Carol A. Johnston
SWRO Toxics Cleanup Program

CAJ: kb

By Certified Mail: [91 7199 9991 7037 1758 8655]

Enclosures: A – Diagrams of the Site
Figure 1: Site location map
Figure 2: 1993 soil sampling locations
Figure 3: 1995 soil sampling locations
Figure 4: 1999 monitoring well locations and groundwater flow direction
Figure 5: 2016 & 2017 soil and groundwater sampling locations

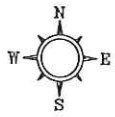
Table 1: 1993 soil analytical results
Table 2: 1995 soil analytical results
Table 3: 1995 groundwater analytical results
Table 4: 2016 & 2017 soil sampling results
Table 5: 2016 groundwater sampling results
Table 6: Compilation of groundwater results, 1999-2016

cc: Mr. Michael Chun, Associated Environmental Group
Mr. Mark Horn, Chevron Environmental Management Company
Ms. Ruth Otteman, Leidos
Mr. Gerald Tousley, Thurston County Health
Mr. Nicholas Acklam, Ecology
Ms. Stephanie Bussell, Ecology
Ms. Stacy Galleher, Ecology

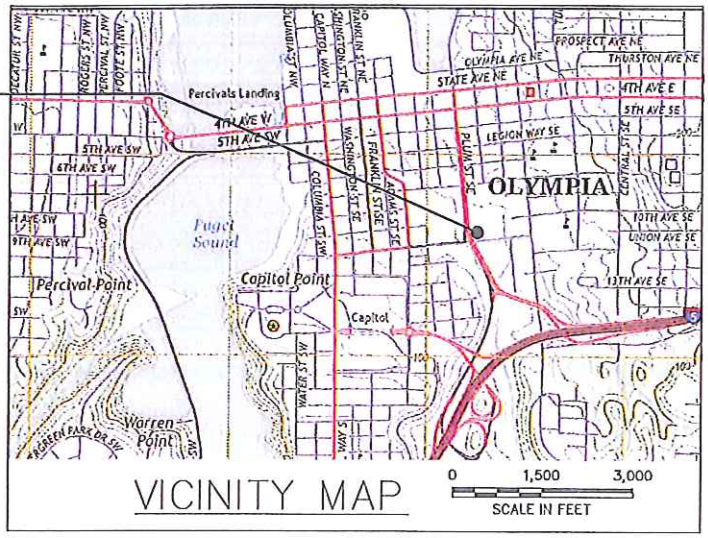
Enclosure A

Diagrams of the Site

FILENAME	DRAWN BY		CHECKED BY		APPROVED BY		PROJECT NUMBER
16-121_1E02.DWG	ICO	5/11/2016	NP	5/11/2016	NP	5/11/2016	16-121



PROJECT LOCATION

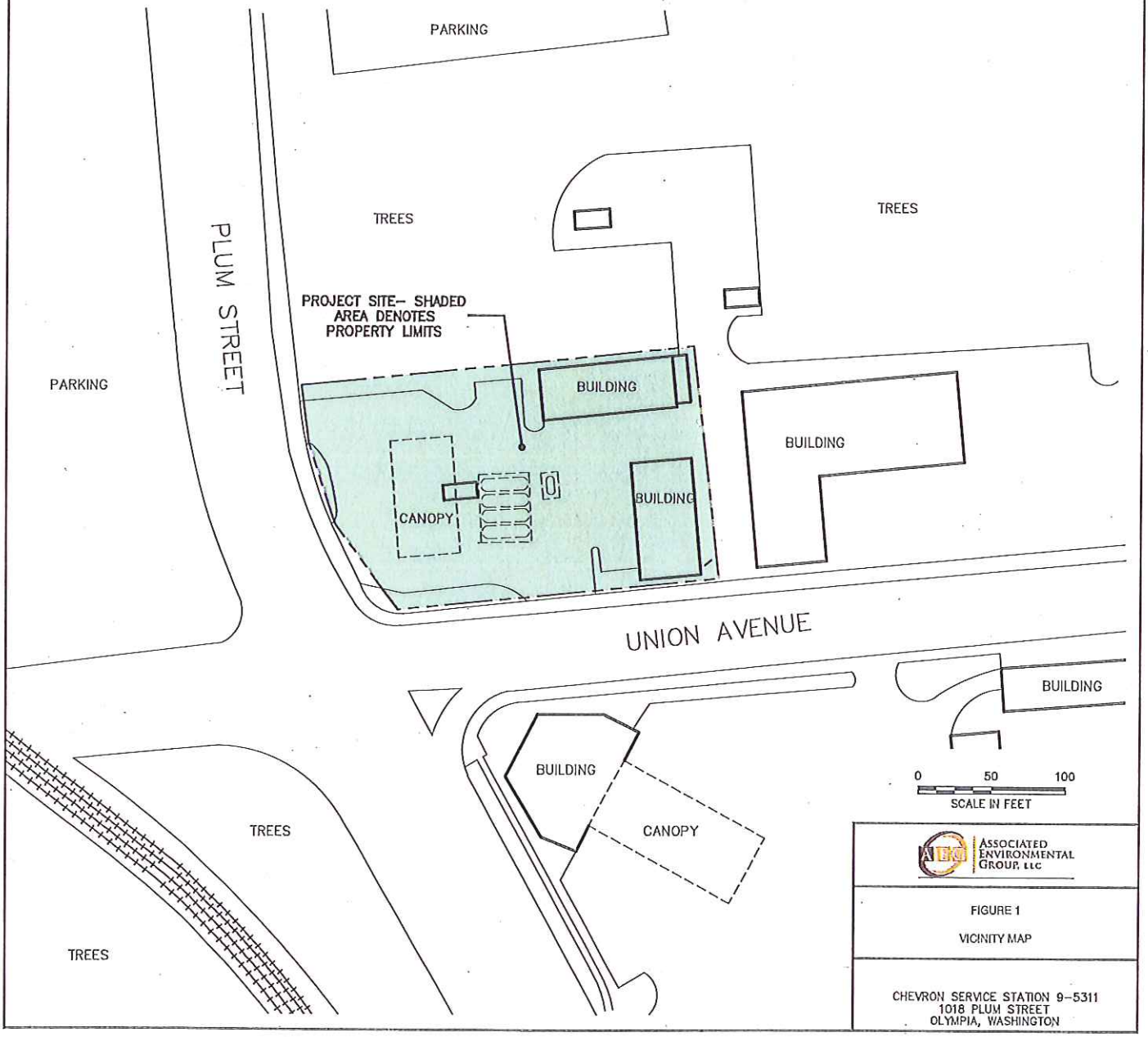


NOTES

1. THE LOCATIONS OF ALL FEATURES SHOWN ARE APPROXIMATE
2. THIS DRAWING IS FOR INFORMATION PURPOSES. IT IS INTENDED TO ASSIST IN SHOWING FEATURES DISCUSSED IN AN ATTACHED DOCUMENT.

REFERENCE

DRAWING CREATED FROM AERIAL PHOTOGRAPH AND NOTES PROVIDED BY AEG, LLC.
VICINITY IMAGE SOURCE: U.S. GEOLOGICAL SURVEY--2014, 7.5 MINUTE QUADRANGLE MAP TUMWATER, WASHINGTON

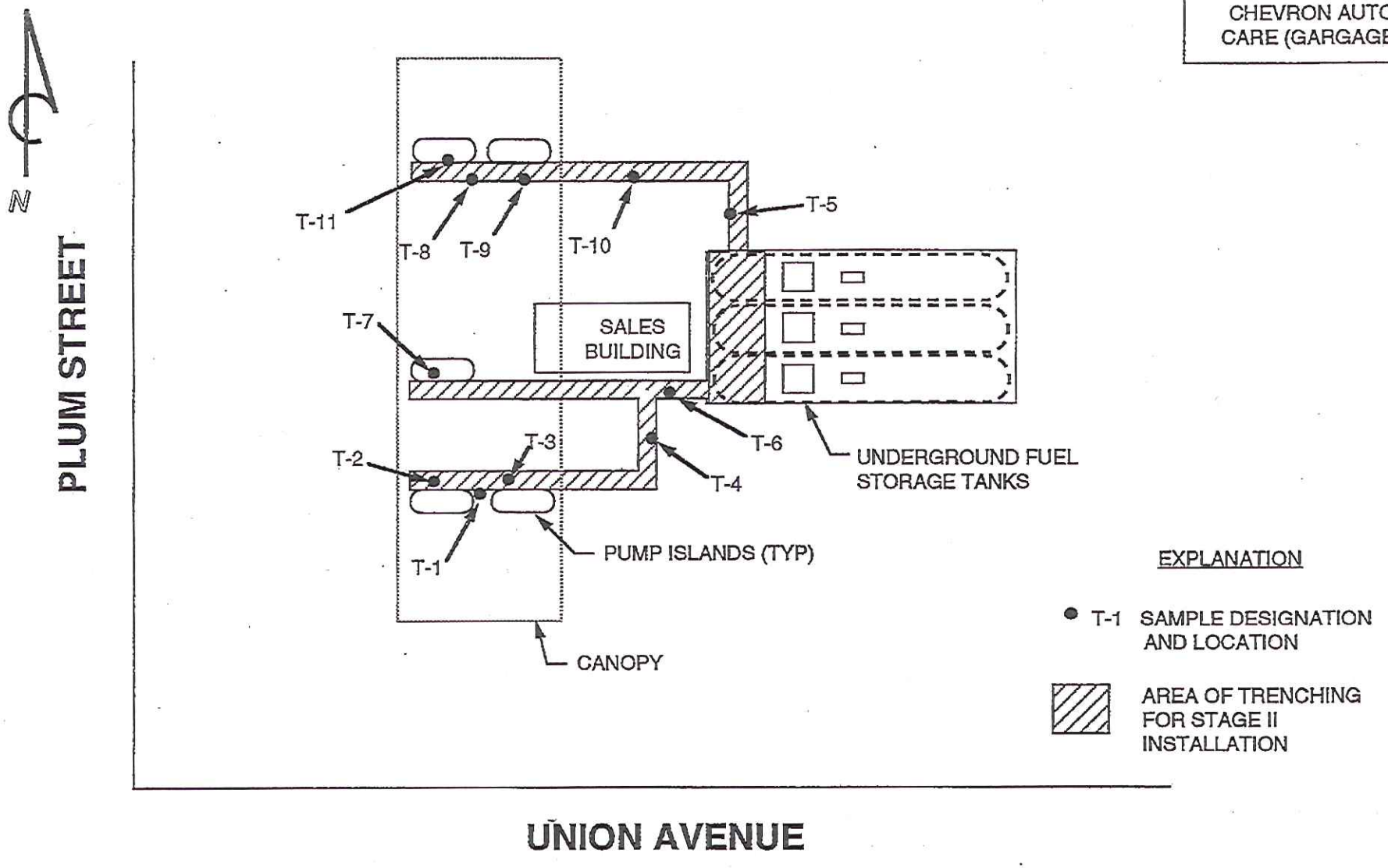


ASSOCIATED ENVIRONMENTAL GROUP, LLC

FIGURE 1

VICINITY MAP

CHEVRON SERVICE STATION 9-5311
1018 PLUM STREET
OLYMPIA, WASHINGTON



NOT TO SCALE

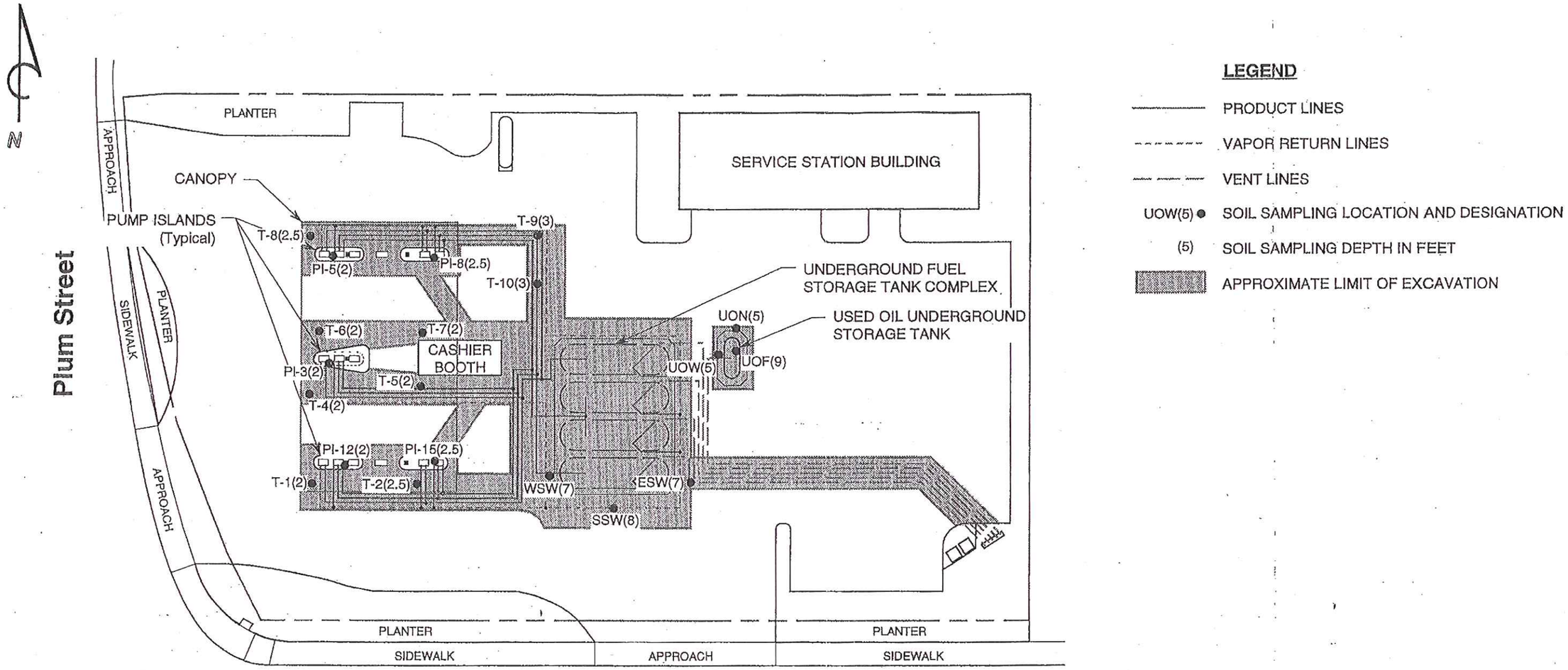
PACIFIC ENVIRONMENTAL GROUP, INC.

CHEVRON SERVICE STATION #9-5311
1018 Plum Street
Olympia, Washington

SITE MAP

FIGURE: 2

PROJECT: 520-25.24



LEGEND

- PRODUCT LINES
- VAPOR RETURN LINES
- VENT LINES
- UOW(5) ● SOIL SAMPLING LOCATION AND DESIGNATION
- (5) SOIL SAMPLING DEPTH IN FEET
- APPROXIMATE LIMIT OF EXCAVATION

NOTE: Base Map Provided by GROUNDWATER TECHNOLOGY, INC.

PACIFIC ENVIRONMENTAL GROUP, INC.

SCALE IN FEET
0 30 60

CHEVRON SERVICE STATION #9-5311
1018 Plum Street
Olympia, Washington

SOIL SAMPLE LOCATION MAP

FIGURE: 3
PROJECT: 520-120.1B

FIGURE

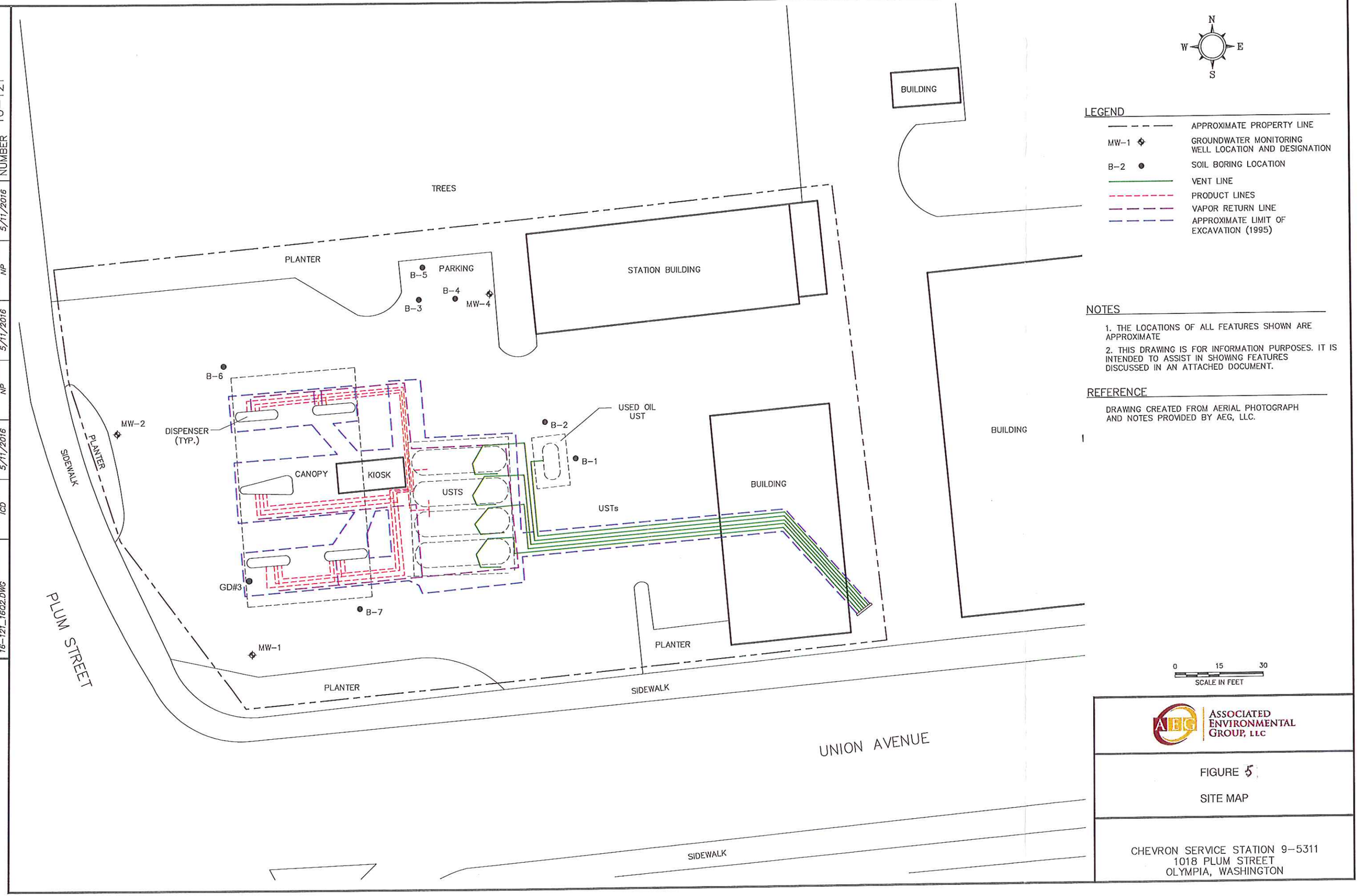
4

Chevron Service Station 9-5311
1018 Plum Street
Olympia, Washington

CAMBRIA

Groundwater Elevation Contour Map
March 18, 1999

FILENAME	DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
16-121_1602.DWG	ICD 5/11/2016	NP 5/11/2016	NP 5/11/2016	16-121



LEGEND

- APPROXIMATE PROPERTY LINE
- MW-1 — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- B-2 — SOIL BORING LOCATION
- VENT LINE
- PRODUCT LINES
- VAPOR RETURN LINE
- APPROXIMATE LIMIT OF EXCAVATION (1995)

NOTES

1. THE LOCATIONS OF ALL FEATURES SHOWN ARE APPROXIMATE
2. THIS DRAWING IS FOR INFORMATION PURPOSES. IT IS INTENDED TO ASSIST IN SHOWING FEATURES DISCUSSED IN AN ATTACHED DOCUMENT.

REFERENCE

DRAWING CREATED FROM AERIAL PHOTOGRAPH AND NOTES PROVIDED BY AEG, LLC.

0 15 30
SCALE IN FEET

ASSOCIATED ENVIRONMENTAL GROUP, LLC

FIGURE 5

SITE MAP

CHEVRON SERVICE STATION 9-5311
1018 PLUM STREET
OLYMPIA, WASHINGTON

TABLE 1
SOIL ANALYTICAL RESULTS
CHEVRON U.S.A. SERVICE STATION 9-5311

TPH as Gasoline - Washington Method WTPH-G
BTEX Compounds - EPA Method 8020
Total Lead - EPA Method 7420
Concentrations in mg/kg (ppm)

Sample I.D.	Location	Date	Depth (feet)	PARAMETER					
				TPH-Gasoline	Benzene	Toluene	Ethyl Benzene	Xylenes	Total Lead
T-1	Southern Pump Island Trench	5/27/93	2 feet	1,700	N.D.	N.D.	N.D.	84.0	N.D.
T-3	Southern Pump Island Trench	5/27/93	2 feet	N.D.	N.D.	N.D.	N.D.	N.D.	8.6
T-4	Trench South of Station Bldg.	5/27/93	2 feet	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
T-6	Trench South of Station Bldg.	5/27/93	2 feet	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
T-7	Central Pump Island	5/27/93	2 feet	N.D.	N.D.	0.047	N.D.	0.03	N.D.
T-8	Northern Pump Island Trench	5/27/93	2 feet	180	0.039	0.12	1.7	6.9	46.0
T-9	Northern Pump Island Trench	5/27/93	2 feet	210	N.D.	0.047	0.1	6.5	86.0
T-11	Northwest Pump Island	5/27/93	2 feet	210	0.039	0.047	0.11	5.0	60.0
SP1-A	Stockpile SP1	5/27/93	2 feet	N.D.	N.D.	N.D.	N.D.	N.D.	8.9
SP1-B	Stockpile SP1	5/27/93	2 feet	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SP1-C	Stockpile SP1	5/27/93	2 feet	N.D.	N.D.	N.D.	N.D.	N.D.	9.0
Detection Limits:		-	-	5 - 6	0.25-0.28	0.25-0.28	0.25-0.28	0.25-0.28	5.0-5.7

NOTES: N.D. - Not detected
Sample locations are shown on Figure 2.
Certified Analytical Results are attached

TABLE 2.
SOIL ANALYTICAL RESULTS - TRENCHES AND EXCAVATIONS

Chevron Service Station #9-5311
1018 Plum Street
Olympia, Washington

Sample I.D.	Location	Date	HCID (G,D,O) (ppm)	TPH-Gasoline (ppm)	TPH-Diesel (ppm)	TPH-Oil (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	Total Lead (ppm)
TP-1 (5)	Test Pit	04/11/95	NA	ND	NA	NA	ND	ND	ND	ND	14
TP-1 (15)	Test Pit	04/11/95	NA	ND	NA	NA	ND	ND	ND	ND	ND
WSW (7)	Gasoline UST Excavation	04/17/95	NA	ND	NA	NA	ND	ND	ND	ND	ND
SSW (8)	Gasoline UST Excavation	04/17/95	NA	ND	NA	NA	ND	ND	ND	ND	ND
ESW (7)	Gasoline UST Excavation	04/17/95	NA	ND	NA	NA	ND	ND	ND	ND	77
T-1 (2)	Trench Sample	04/27/95	NA	9,900	NA	NA	30	450	100	990	12
T-2 (2.5)	Trench Sample	04/27/95	NA	2.2	NA	NA	ND	ND	ND	ND	ND
T-4 (2)	Trench Sample	04/27/95	NA	5,000	NA	NA	8.7	140	39	370	37
T-5 (2)	Trench Sample	04/27/95	NA	ND	NA	NA	ND	ND	ND	ND	ND
T-6 (2)	Trench Sample	04/27/95	NA	520	NA	NA	0.53	9.8	4.3	37	13
T-7 (2)	Trench Sample	04/27/95	ND	2.0	NA	NA	ND	ND	ND	ND	ND
T-8 (2.5)	Trench Sample	04/27/95	NA	280	NA	NA	ND [1]	0.50	0.74	21	11
T-9 (3)	Trench Sample	04/27/95	NA	ND	NA	NA	ND	ND	ND	ND	11
T-10 (3)	Trench Sample	04/27/95	NA	440	NA	NA	ND [2]	ND [2]	ND [2]	ND [3]	ND
PI-3 (2)	Product Island	04/27/95	NA	2,100	NA	NA	ND [1]	ND [1]	ND [1]	11	ND
PI-5 (2)	Product Island	04/27/95	NA	1,800	NA	NA	1.7	38	10	120	ND
PI-8 (2.5)	Product Island	04/27/95	NA	450	NA	NA	ND [1]	5.3	1.5	25	12
PI-12 (2)	Product Island	04/27/95	NA	ND	NA	NA	ND	ND	ND	ND	ND
PI-15 (2.5)	Product Island	04/27/95	NA	ND	NA	NA	ND	ND	ND	ND	ND
UON (5)	Used Oil UST Excavation	05/08/95	NA	ND	ND	ND	ND	ND	ND	ND	15
UOW (5)	Used Oil UST Excavation	05/08/95	NA	ND	20	ND	ND	ND	ND	ND	13
UOF (9)	Used Oil UST Excavation	05/08/95	NA	ND	ND	ND	ND	ND	ND	ND	ND
T-11 (2)	Trench Sample	05/10/95	NA	ND	NA	NA	ND	ND	ND	ND	11
T-12 (2.5)	Trench Sample	05/10/95	NA	ND	NA	NA	ND	ND	ND	ND	12
MTCA Method A Cleanup Levels:			100 / 200	100	200	200	0.5	40	20	20	250
Laboratory Reporting Limits:			20,50,100	1.0	10	25	0.050	0.050	0.050	0.10	10

Concentrations in ppm (mg/L).
ND - Not Detected.
NA - Not Analyzed for these parameters.
[1] - Reporting limit = 0.40.
[2] - Reporting limit = 0.080.
[3] - Reporting limit = 0.16.
For HCID analysis: g= Gasoline detected, d= Diesel detected, o= Oil detected.
Sample locations are shown on Figure 2.
Certified Analytical Reports are included as Appendix B.
TPH as HCID - Analysis by Washington Method WTPH-HCID.
TPH as Gasoline - Analysis by Washington Method WTPH-G.
TPH as Diesel and Heavy Oil - Analysis by Washington Method WTPH-D plus Extended.
BTEX Compounds - Analysis by EPA 8015/8020.
Total Lead - Analysis by EPA Method 7421.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - BAKER TANKS

Chevron Service Station #9-5311
1018 Plum Street
Olympia, Washington

Sample I.D.	Sample Date	TPH-Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)
BT-1	04/05/95	14,000	120	140	110	1,400
BT-2	04/11/95	ND	ND	ND	ND	ND
BT-B1	04/14/95	2,300	200	140	ND	120
BT-B2	04/18/95	ND	ND	ND	ND	ND
BT-A1	04/20/95	ND	ND	ND	ND	ND
BT-C1	04/24/95	ND	ND	ND	ND	ND
BT-C2	04/27/95	8,600	100	610	25	720
BT-B3	04/27/95	ND	ND	ND	ND	ND
BT-C3	05/02/95	ND	ND	ND	ND	ND
BT-B4	05/04/95	ND	ND	ND	ND	ND
BT-C4	05/08/95	ND	0.94	ND	ND	ND
BT-B5	05/10/95	ND	ND	ND	ND	ND
BT-C5	05/15/95	ND	ND	ND	ND	ND
BT-B6	05/17/95	ND	ND	ND	ND	1.8
BT-C6	05/22/95	ND	ND	ND	ND	ND
BT-B7	05/26/95	ND	ND	1.6	ND	ND
BT-B8	05/30/95	ND	ND	ND	ND	ND
BT-C7	05/30/95	ND	ND	ND	ND	ND
MTCA Method A Cleanup Levels:		**1,000**	**50**	**40**	**30**	**20**
Laboratory Reporting Limits:	**02/09/95**	**50**	**0.50**	**0.50**	**0.50**	**1.0**

Concentrations in ppb (ug/L).
ND - Not Detected.
Certified Analytical Reports are included in Appendix B.
TPH as Gasoline - Analysis by Washington Method WTPH-G.
BTEX Compounds - Analysis by EPA 8015/8020.

Table 4 Summary of Soil Results
Plum Street Chevron
Olympia, Washington

Sample Number	Sample Depth (feet)	Date Collected	Volatile Organic Compounds								Gasoline Range Organics	Diesel Range Organics	Lube Oil Range Organics	Total cPAHs	PCBs	Total Lead
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	EDC	EDB	Total Naphthalenes	MTBE						
B1-10	10	4/20/2016	<0.02	<0.05	<0.05	<0.15	<0.05	<0.005	-	<0.05	**<10**	<50	<100	<0.02	<0.2	-
B1-5	5	4/20/2016	<0.02	<0.05	<0.05	<0.15	<0.05	<0.005	-	<0.05	<10	<50	<100	<0.02	<0.2	**5.5**
B2-8.5	8.5	4/20/2016	<0.02	<0.05	<0.05	<0.15	<0.05	<0.005	-	<0.05	**28**	<50	<100	<0.02	<0.2	-
B2-12	12	4/20/2016	<0.02	<0.05	<0.05	<0.15	<0.05	<0.005	-	<0.05	<10	<50	<100	<0.02	<0.2	**8.0**
B3-5	5	4/20/2016	<0.02	<0.05	<0.05	<0.15	-	-	-	-	<10	-	-	-	-	-
B3-10	10	4/20/2016	<0.02	<0.05	<0.05	<0.15	<0.05	<0.005	<0.02	<0.05	**15**	-	-	-	-	<5.0
B3-12	12	4/20/2016	<0.02	<0.05	<0.05	<0.15	<0.05	<0.005	<0.02	<0.05	<10	-	-	-	-	**6.0**
B4-5	5	4/20/2016	<0.02	<0.05	<0.05	<0.15	-	-	-	-	<10	-	-	-	-	-
B4-10	10	4/20/2016	<0.02	<0.05	<0.05	<0.15	-	-	-	-	<10	-	-	-	-	-
B5-5	5	4/20/2016	<0.02	<0.05	<0.05	<0.15	-	-	-	-	<10	-	-	-	-	-
B5-8.5	8.5	4/20/2016	<0.02	<0.05	<0.05	<0.15	-	-	-	-	<10	-	-	-	-	-
B6-4	4	4/20/2016	<0.02	<0.05	<0.05	<0.15	-	-	-	-	<10	-	-	-	-	-
B6-7	7	4/20/2016	<0.02	<0.05	<0.05	<0.15	<0.05	<0.005	<0.02	<0.05	<10	-	-	-	-	<5.0
B6-10	10	4/20/2016	<0.02	<0.05	<0.05	<0.15	<0.05	<0.005	<0.02	<0.05	<10	-	-	-	-	<5.0
B7-4.5	4.5	4/20/2016	<0.02	<0.05	<0.05	<0.15	-	-	-	-	<10	-	-	-	-	-
B7-6.5	6.5	4/20/2016	<0.02	<0.05	<0.05	<0.15	-	-	-	-	<10	-	-	-	-	-
GD#3@3	3	2/1/2017	<0.02	<0.05	<0.05	<0.15	-	-	-	-	**120**	-	-	-	-	-
PQL			0.02	0.05	0.05	0.15	0.05	0.005	0.02/0.05	0.05	10	50	100	0.02	0.2	5.0
MTCA Method A Cleanup Level			0.03	7	6	9	NA	0.005	5	0.1	30*	2000	2000	0.1	1	250

Notes:
All results are in milligrams per kilograms (mg/kg)
-- = Not analyzed for this constituent
< = Not detected above laboratory limits
* TPH-Gasoline Cleanup Level with the presence of Benzene anywhere at the Site
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

EDC = 1,2-Dichloroethane
EDB = Ethylene Dichloride
MTBE = Methyl Tert-Butyl Ether
cPAHs = Carcinogenic polycyclic aromatic hydrocarbons
PCBs = Polychlorinated biphenyls
NA = Method A cleanup level has not been established

Table 5 - Summary of Groundwater Results
Plum Street Chevron
Olympia, Washington

Sample Number	Date Collected	Volatile Organic Compounds								Gasoline Range Organics	Diesel Range Organics	Oil Range Organics	Total cPAHs	PCBs	Total Lead
		Benzene	Toluene	Ethylbenzene	Total Xylenes	EDC	EDB	Total Naphthalenes	MTBE						
B1-W	4/20/16	<1.0	<1.0	<1.0	<3.0	<1.0	<0.005	<0.1	<1.0	<100	<250	<500	<0.1	<0.1	2.7
B2-W	4/20/16	<1.0	<1.0	**2.4**	<3.0	-	<0.005	**68**	<1.0	**630**	<250	<500	<0.1	<0.1	<2.0
B3-W	4/20/16	<1.0	<1.0	<1.0	<3.0	<1.0	<0.005	<0.1	<1.0	<100	-	-	-	-	<2.0
B4-W	4/20/16	<1.0	<1.0	<1.0	<3.0	-	-	-	-	<100	-	-	-	-	-
B5-W	4/20/16	<1.0	<1.0	<1.0	<3.0	-	-	-	-	<100	-	-	-	-	-
B6-W	4/20/16	<1.0	<1.0	<1.0	<3.0	<1.0	<0.005	<0.1	<1.0	<100	-	-	-	-	<2.0
B7-W	4/20/16	<1.0	<1.0	<1.0	<3.0	-	-	-	-	<100	-	-	-	-	-
PQL		1.0	1.0	1.0	3.0	1.0	0.005	0.1	1.0	100	250	500	0.1	0.1	2.0
MTCA Method A Cleanup Levels		5.0	1,000	700	1,000	5.0	0.01	160	20	800 [1]	500	500	0.1	0.1	15

Notes:

All results are 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)

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

[1] TPH-Gasoline Cleanup Level with the presence of Benzene anywhere at the Site

EDC = 1,2-Dichloroethane

EDB = Ethylene Dichloride

MTBE = Methyl Tert-Butyl Ether

cPAHs = Carcinogenic polycyclic aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

TABLE 6

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 95311
1018 Plum Street
Olympia, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-D	TPH-HO	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead	T. Lead
MW-1													
03/18/99	98.19	1.45	96.74	ND	ND	ND[3]	ND	ND	ND	ND	<0.50	<1.0	--
03/18/99 (D)	98.19	--	--	ND	ND	ND[3]	ND	ND	ND	ND	<0.50	<1.0	--
05/27/99	98.19	2.32	95.87	<250	<750	<50.0	<0.500	<0.500	<0.500	1.47	--	--	--
08/27/99	98.19	1.90	96.29	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
11/05/99	98.19	2.20	95.99	<750	<250	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
03/28/00	98.19	2.31	95.88	--	--	--	--	--	--	--	--	--	--
06/12/00	98.19	2.14	96.05	--	--	--	--	--	--	--	--	--	--
09/15/00	98.19	3.90	94.29	--	--	--	--	--	--	--	--	--	--
11/08/00	98.19	3.94	94.25	--	--	--	--	--	--	--	--	--	--
01/24/01	98.19	1.92	96.27	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
05/25/05	98.19	4.17	94.02	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
11/29/05	98.19	1.74	96.45	<81	<100	<48	<0.5	<0.5	<0.5	<1.0	<0.5	<0.87	<0.87
01/23/06	98.19	2.01	96.18	<78	<98	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	0.89
04/18/06	98.19	1.83	96.36	<79	<99	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.87
07/28/06	98.19	1.96	96.23	<79	<98	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.51
01/06/09	98.19	--	--	<200	<400	<100	<1	<2	<1	<3	--	--	--
06/05/13	98.19	4.00	94.19	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	1.9
11/27/13	98.19	1.80	96.39	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--	--	4.4
05/12/14	98.19	2.30	95.89	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	<0.085
11/24/14	98.19	2.01	96.18	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	<0.082
02/12/15	98.19	3.15	95.04	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	10
05/06/15	98.19	4.12	94.07	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.51
08/21/15	98.19	4.05	94.14	<46	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	1.2
11/19/15	98.19	3.21	94.98	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	1.6
02/23/16	98.19	2.09	96.10	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	0.38	3.2
05/21/16	98.19	4.08	94.11	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	0.72
08/21/16	98.19	3.90	94.29	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	14.5	1.2
11/16/16	98.19	3.42	94.77	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	0.1	0.88
MW-2													
03/18/99	97.23	1.57	95.66	ND	ND	ND[3]	5.41	ND	2.24	2.57	<0.50	<1.0	--
05/27/99	97.23	1.85	95.38	ND	ND	ND	ND	ND	ND	ND	--	--	--
08/27/99	97.23	1.60	95.63	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
11/05/99	97.23	1.59	95.64	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
03/28/00	97.23	1.91	95.32	3,590	319	<50.0	4.20	<0.500	4.49	1.19	--	--	--
06/12/00[4]	97.23	1.61	95.62	--	--	--	--	--	--	--	--	--	--

TABLE 6

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 95311

1018 Plum Street

Olympia, Washington

Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-D	TPH-HO	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead	T. Lead
MW-2 (cont)													
09/15/00	97.23	1.88	95.35	<250	<750	--	--	--	--	--	--	--	--
11/08/00	97.23	1.78	95.45	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
01/24/01	97.23	2.05	95.18	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
05/25/05	97.23	1.85	95.38	<79	<99	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
11/29/05	97.23	1.54	95.69	<81	<100	<48	<0.5	<0.5	<0.5	<1.0	<0.5	<0.87	7.2
01/23/06	97.23	1.97	95.26	<82	<100	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	1.5
04/18/06	97.23	1.98	95.25	<79	100	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.87
07/28/06	97.23	1.72	95.51	<79	<98	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	1.4
01/06/09	97.23	--	--	<200	<400	<100	<1	<2	<1	<3	--	--	--
06/05/13	97.23	2.81	94.42	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.72
11/27/13	97.23	1.97	95.26	<29	110	<50	<0.5	<0.5	<0.5	<1.5	--	--	1.2
05/12/14	97.23	1.83	95.40	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	<0.085
11/24/14	97.23	1.81	95.42	<30	<71	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.18
02/12/15	97.23	2.43	94.80	<29	84	53	<0.5	<0.5	<0.5	<1.5	--	--	14.4
05/06/15	97.23	2.73	94.50	<29	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.17
08/21/15	97.23	2.53	94.70	<46	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	2.5
11/19/15	97.23	2.22	95.01	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	3.6
02/23/16	97.23	2.51	94.72	<29	<67	190	1.1	<0.5	1	<1.5	--	<0.13	9.8
05/21/16	97.23	2.44	94.79	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	9.9
08/21/16	97.23	2.51	94.72	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	0.68	3.1
11/16/16	97.23	2.38	94.85	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	<0.090	4.5
MW-3													
03/18/99	99.98	5.16	94.82	ND	ND	ND[3]	ND	ND	ND	ND	<0.50	<1.0	--
05/27/99	99.98	5.16	94.82	ND	ND	ND	ND	ND	ND	ND	--	--	--
08/27/99	99.98	5.17	94.81	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
11/05/99	99.98	5.19	94.79	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
03/28/00	99.98	5.23	94.75	--	--	--	--	--	--	--	--	--	--
06/12/00	99.98	5.00	94.98	--	--	--	--	--	--	--	--	--	--
09/15/00	99.98	5.36	94.62	--	--	--	--	--	--	--	--	--	--
11/08/00	99.98	5.16	94.82	--	--	--	--	--	--	--	--	--	--
01/24/01	99.98	5.14	94.84	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
05/25/05	99.98	5.33	94.65	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
11/29/05	99.98	4.88	95.10	<81	<100	<48	<0.5	<0.5	<0.5	<1.0	<0.5	<0.87	1.5
01/23/06	99.98	5.09	94.89	<82	<100	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	1.7
04/18/06	99.98	5.12	94.86	<99	<79	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.87

TABLE 6

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 95311

1018 Plum Street

Olympia, Washington

Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-D	TPH-HO	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead	T. Lead
MW-3 (cont)													
07/28/06	99.98	5.35	94.63	<79	<98	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.51
01/06/09	99.98	--	--	<200	<400	<100	<1	<2	<1	<3	--	--	--
06/05/13	99.98	INACCESSIBLE- CONSTRUCTION ACTIVITIES					--	--	--	--	--	--	--
11/27/13	99.98	INACCESSIBLE- CAR PARKED ON WELL					--	--	--	--	--	--	--
05/12/14	99.98	5.31	94.67	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	27.8
11/24/14	99.98	5.14	94.84	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.31
02/12/15	99.98	5.37	94.61	<30	93	<50	<0.5	<0.5	<0.5	<1.5	--	--	108
05/06/15	99.98	5.78	94.20	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.12
08/21/15	99.98	5.97	94.01	<46	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.67
11/19/15	99.98	4.54	95.44	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	1.6
02/23/16	99.98	5.58	94.40	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	0.2	10.7
05/21/16	99.98	5.96	94.02	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	1.8
08/21/16	99.98	6.02	93.96	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	0.1	2.0
11/16/16	99.98	5.15	94.83	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	<0.090	1.4
MW-4													
03/18/99	99.31	7.66	91.65	ND	ND	ND[3]	ND	ND	ND	ND	<0.50	<1.0	--
05/27/99	99.31	7.53	91.78	ND	ND	ND	ND	0.694	ND	1.61	--	--	--
08/27/99	99.31	7.62	91.69	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
11/05/99	99.31	7.70	91.61	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
03/28/00	99.31	7.60	91.71	--	--	--	--	--	--	--	--	--	--
06/12/00	99.31	7.53	91.78	--	--	--	--	--	--	--	--	--	--
09/15/00	99.31	7.70	91.61	--	--	--	--	--	--	--	--	--	--
11/08/00	99.31	7.62	91.69	--	--	--	--	--	--	--	--	--	--
01/24/01	99.31	7.63	91.68	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
05/25/05	99.31	7.43	91.88	<79	<99	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
11/29/05	99.31	7.33	91.98	<81	<100	<48	<0.5	<0.5	<0.5	<1.0	<0.5	<0.87	8.5
01/23/06	99.31	7.33	91.98	<80	<100	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	8.2
04/18/06	99.31	INACCESSIBLE- VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
07/28/06	99.31	INACCESSIBLE- VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
01/06/09	99.31	--	--	<200	<400	<100	<1	<2	<1	<3	--	--	--
06/05/13	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--
11/27/13	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--
05/12/14	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--
11/24/14	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--
02/12/15	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--

TABLE 6

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 95311

1018 Plum Street

Olympia, Washington

Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-D	TPH-HO	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead	T. Lead
MW-4 (cont)													
05/06/15	99.31	7.21	92.10	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.09
08/21/15	99.31	7.35	91.96	<46	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	6.2
11/19/15	99.31	7.02	92.29	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	0.41	2.8
02/23/16	99.31	6.81	92.50	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	2.8
05/21/16	99.31	7.12	92.19	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	3.9
08/21/16	99.31	7.24	92.07	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.09	4.5
11/16/16	99.31	6.68	92.63	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	0.29	1.9
MW-5													
01/06/09	NE	--	--	<200	<400	<100	<1	<2	<1	<3	--	--	--
06/05/13	NE	3.98	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	4.8
11/27/13	NE	1.79	--	<31	100	<50	<0.5	<0.5	<0.5	<1.5	--	--	4.6
05/12/14	NE	4.77	--	<29	<68	<50	<0.5	0.5	<0.5	<1.5	--	--	175
11/24/14	NE	1.98	--	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.39
02/12/15	NE	3.94	--	<29	100	<50	<0.5	<0.5	<0.5	<1.5	--	--	2.5
05/06/15	NE	4.07	--	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.18
08/21/15	NE	4.10	--	<45	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	2.4
11/19/15	NE	3.88	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	0.39	4.2
02/23/16	NE	3.98	--	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	5.4
05/21/16	NE	3.78	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	16.6
08/21/16	NE	4.02	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.09	18.8
11/16/16	NE	3.86	--	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	1.0	12.1
TRIP BLANK													
03/18/99		--	--	--	--	ND[3]	ND	ND	ND	ND	<0.50	<1.0	--
05/27/99		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
08/27/99		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
11/05/99		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/28/00		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/12/00		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/15/00		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
11/08/00		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
01/24/01		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
QA													
05/25/05		--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
11/29/05		--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
01/23/06		--	--	--	--	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	--

TABLE 6

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

CHEVRON SERVICE STATION NO. 95311

1018 Plum Street

Olympia, Washington

Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-D	TPH-HO	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead	T. Lead
MW-3 (cont)													
07/28/06	99.98	5.35	94.63	<79	<98	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.51
01/06/09	99.98	--	--	<200	<400	<100	<1	<2	<1	<3	--	--	--
06/05/13	99.98	INACCESSIBLE- CONSTRUCTION ACTIVITIES					--	--	--	--	--	--	--
11/27/13	99.98	INACCESSIBLE- CAR PARKED ON WELL					--	--	--	--	--	--	--
05/12/14	99.98	5.31	94.67	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	27.8
11/24/14	99.98	5.14	94.84	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.31
02/12/15	99.98	5.37	94.61	<30	93	<50	<0.5	<0.5	<0.5	<1.5	--	--	108
05/06/15	99.98	5.78	94.20	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.12
08/21/15	99.98	5.97	94.01	<46	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.67
11/19/15	99.98	4.54	95.44	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	1.6
02/23/16	99.98	5.58	94.40	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	0.2	10.7
05/21/16	99.98	5.96	94.02	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	1.8
08/21/16	99.98	6.02	93.96	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	0.1	2.0
11/16/16	99.98	5.15	94.83	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	<0.090	1.4
MW-4													
03/18/99	99.31	7.66	91.65	ND	ND	ND[3]	ND	ND	ND	ND	<0.50	<1.0	--
05/27/99	99.31	7.53	91.78	ND	ND	ND	ND	0.694	ND	1.61	--	--	--
08/27/99	99.31	7.62	91.69	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
11/05/99	99.31	7.70	91.61	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
03/28/00	99.31	7.60	91.71	--	--	--	--	--	--	--	--	--	--
06/12/00	99.31	7.53	91.78	--	--	--	--	--	--	--	--	--	--
09/15/00	99.31	7.70	91.61	--	--	--	--	--	--	--	--	--	--
11/08/00	99.31	7.62	91.69	--	--	--	--	--	--	--	--	--	--
01/24/01	99.31	7.63	91.68	<250	<750	<50.0	<0.500	<0.500	<0.500	<1.00	--	--	--
05/25/05	99.31	7.43	91.88	<79	<99	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
11/29/05	99.31	7.33	91.98	<81	<100	<48	<0.5	<0.5	<0.5	<1.0	<0.5	<0.87	8.5
01/23/06	99.31	7.33	91.98	<80	<100	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	8.2
04/18/06	99.31	INACCESSIBLE- VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
07/28/06	99.31	INACCESSIBLE- VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
01/06/09	99.31	--	--	<200	<400	<100	<1	<2	<1	<3	--	--	--
06/05/13	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--
11/27/13	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--
05/12/14	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--
11/24/14	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--
02/12/15	99.31	INACCESSIBLE- SHED OVER WELL				--	--	--	--	--	--	--	--

TABLE 6

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 95311
1018 Plum Street
Olympia, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-D	TPH-HO	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead	T. Lead
MW-4 (cont)													
05/06/15	99.31	7.21	92.10	<29	<68	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.09
08/21/15	99.31	7.35	91.96	<46	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	6.2
11/19/15	99.31	7.02	92.29	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	0.41	2.8
02/23/16	99.31	6.81	92.50	<31	<73	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	2.8
05/21/16	99.31	7.12	92.19	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	3.9
08/21/16	99.31	7.24	92.07	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.09	4.5
11/16/16	99.31	6.68	92.63	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	0.29	1.9
MW-5													
01/06/09	NE	--	--	<200	<400	<100	<1	<2	<1	<3	--	--	--
06/05/13	NE	3.98	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	--	4.8
11/27/13	NE	1.79	--	<31	100	<50	<0.5	<0.5	<0.5	<1.5	--	--	4.6
05/12/14	NE	4.77	--	<29	<68	<50	<0.5	0.5	<0.5	<1.5	--	--	175
11/24/14	NE	1.98	--	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.39
02/12/15	NE	3.94	--	<29	100	<50	<0.5	<0.5	<0.5	<1.5	--	--	2.5
05/06/15	NE	4.07	--	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	--	0.18
08/21/15	NE	4.10	--	<45	<100	<50	<0.5	<0.5	<0.5	<1.5	--	--	2.4
11/19/15	NE	3.88	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	0.39	4.2
02/23/16	NE	3.98	--	<30	<69	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	5.4
05/21/16	NE	3.78	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.13	16.6
08/21/16	NE	4.02	--	<29	<67	<50	<0.5	<0.5	<0.5	<1.5	--	<0.09	18.8
11/16/16	NE	3.86	--	<28	<66	<50	<0.5	<0.5	<0.5	<1.5	--	1.0	12.1
TRIP BLANK													
03/18/99		--	--	--	--	ND[3]	ND	ND	ND	ND	<0.50	<1.0	--
05/27/99		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
08/27/99		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
11/05/99		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/28/00		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/12/00		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/15/00		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
11/08/00		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
01/24/01		--	--	--	--	ND	ND	ND	ND	ND	--	--	--
QA													
05/25/05		--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--	--	--
11/29/05		--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5	--	--
01/23/06		--	--	--	--	<48	<0.5	<0.5	<0.5	<0.5	<0.5	--	--

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TABLE 6

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
CHEVRON SERVICE STATION NO. 95311
1018 Plum Street
Olympia, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC[2] (ft.)	DTW (ft.)	GWE (ft.)	TPH-D	TPH-HO	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	D. Lead	T. Lead
QA (cont)													
04/18/06		–	–	–	–	<48	<0.5	<0.5	<0.5	<0.5	<0.5	–	–
04/18/06		–	–	–	–	<48	<0.5	<0.5	<0.5	<0.5	<0.5	–	–
07/28/06		–	–	–	–	<48	<0.5	<0.5	<0.5	<0.5	<0.5	–	–
06/05/13		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
11/27/13		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
05/12/14		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
11/24/14		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
02/12/15		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
05/06/15		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
08/21/15		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
11/19/15		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
02/23/16		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
05/21/16		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
08/21/16		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
11/16/16		–	–	–	–	<50	<0.5	<0.5	<0.5	<1.5	–	–	–
Standard Laboratory Reporting Limits:				250	250	50	0.5	0.5	0.5	1.5	2.5	0.001	1
MTCA Method A Cleanup Levels:				500	500	800/1,000	5	1,000	700	1,000	20	–	15
Current Method[3]:				NWTPH-Dx + Extended[4]		NWTPH-Gx	EPA 8021B					EPA 6020	EPA 6020

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 5, 2013, were compiled from reports prepared by Cambria Environmental Technology, Inc., EPI and Gettler-Ryan, Inc.

TOC = Top of Casing
DTW = Depth to Water
ft. = Feet
GWE = Groundwater Elevation
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-HO = Total Petroleum Hydrocarbons as Heavy Oil
TPH-G = Total Petroleum Hydrocarbons as Gasoline
MTBE = Methyl Tertiary Butyl Ether
D. Lead = Dissolved Lead
T. Lead = Total Lead
µg/L = Micrograms per liter
(D) = Duplicate
ND = Not Detected
NE = Not Established
QA = Quality Assurance/Trip Blank
– = Not Measured/Not Analyzed
MTCA = Model Toxics Control Act

1 Analytical results in bold indicate concentrations exceed MTCA Method A cleanup level.
2 TOC elevations are relative to an arbitrary benchmark of 100 ft.
3 Laboratory analytical methods for historical data may not be consistent with list of current methods. When necessary, consult original laboratory reports to verify methods used.
4 Analyzed with silica-gel cleanup.
5 Detection limit raised. Refer to analytical reports.
6 Laboratory report indicates that due to an anomaly during the extraction process the sample was lost in its entirety.