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March 27, 2020
Project 2004-004.002

Ms. Jing Song
Washington Department of Ecology -
Toxic Cleanup Program, NWRO
3190 160th Avenue Southeast
Bellevue, Washington 98008

Re: Semi-annual Groundwater Monitoring Report – March 2020, Former Provisioner's Express, Inc. Facility, 2102 West Valley Highway North, Auburn, Washington, Ecology Facility ID 91612121, Cleanup Site ID 6847, VCP Project No. 3206

Dear Ms. Song:

Environmental Technologies Group, Inc. (ETG), on behalf of Commerce Road Terminals, LLC (CRT), has prepared this groundwater monitoring report to provide the results of semi-annual groundwater monitoring completed at the former Provisioner's Express, Inc. (Provisioner's) facility (Site) located at 2102 West Valley Highway North in Auburn, Washington. This report presents the details and findings of the groundwater monitoring activities conducted at the Site on March 4, 2020 for the January through June 2020 monitoring period.

SITE DESCRIPTION

The former Provisioner's facility is located at 2102 West Valley Highway North, Auburn, Washington, east of the intersection of 22nd street Northwest and West Valley Highway North, northwest quarter of Section 12, Township 21 North, Range 4 East, Willamette Meridian in King County, Washington (Figure 1). The property is listed as Tax Parcel No. 1221049034 and the zoning is designated M-1, Light Industrial.

The facility is currently operated by Estes Express Lines (Estes), a motor freight transportation company. Estes uses the facility as a trucking terminal that includes a maintenance garage. There are currently no active underground storage tanks (USTs) on the facility.

The property is fully paved or covered by buildings and has a storm water conveyance system consisting of catch basins that are connected to an oil/water separator through underground piping with discharge to the municipal sewer system. Pavement is primarily asphalt with concrete pads surrounding the on-Site buildings and loading bays.

The topography of the property is relatively flat with an approximate elevation of 65 feet above mean sea level (msl). Mill Creek and the White River Park Wetland System are the nearest surface water bodies and are located approximate 200 feet to the southeast of the Site. A drainage ditch flowing to the White River Park Wetland System is present near the south property boundary, approximately 40 feet south of the Site. The property and the Site are separated from Mill Creek and the White River Park Wetland System by an adjoining property. The nearest major surface water body, the Green River, is located approximately 1.7 miles east of the Site.

The property contains a single Washington Department of Ecology (Ecology) Model Toxics Control Act (MTCA) site that is defined by the lateral and vertical extent of soil and groundwater impacted by diesel and oil range petroleum hydrocarbons (TPH-d and TPH-o) at concentrations greater than applicable MTCA Method A Cleanup Levels (CULs). Under the MTCA program, the Facility Site Identification No. is 91612121, Cleanup Site Identification No. is 6847, and in July 2018 the Voluntary Cleanup Program (VCP) number was change from NW2532 to VCP No. 3206 when CRT became responsible for the Site cleanup.

BACKGROUND

Soil and groundwater at the Site were impacted by petroleum hydrocarbon releases from conveyance piping related to a 550-gallon used oil UST located near the northwest corner of the truck maintenance building (Figure 2). The UST and approximately 350 cubic yards of petroleum-contaminated soil (PCS) were removed for disposal off-Site, and four monitoring wells, designated MW-1, MW-2, MW-3, and MW-4, were constructed in December 1998 (EMR, 1999).

In January 2000, Ecology issued a conditional No Further Action (NFA) determination for the Site. The NFA contained the condition that quarterly groundwater monitoring and reporting be continued until the *site demonstrates sustained, continuous compliance with Model Toxics Control Act (MTCA) Groundwater Cleanup Levels (CULs) for at least one year.* The NFA also stipulated that analytical results for groundwater compliance *shall include BTEX (benzene, toluene, ethylbenzene, and xylene), diesel, and heavy oils*. Available records indicate that the monitoring wells were sampled approximately every quarter from December 1998 until October 2002.

In November 2002, the Site owner petitioned for a full NFA determination based on three (3) years of data demonstrating that benzene groundwater concentrations greater than MTCA Method A CULs was confined to the area on the north side of the maintenance building around MW-2. At that time, the sample collected from MW-2 had a gasoline range petroleum hydrocarbon (TPH-g) concentration of 180 micrograms per liter (µg/L) and a benzene concentration of 12.0 µg/L. The reported TPH-g concentration was less than the MTCA Method A CUL of 800 µg/L. However, the benzene concentration exceeded the MTCA Method A CUL of 5 µg/L. No other BTEX compounds, TPH-d, or TPH-o were reported in the sample collected from MW-2.

Reported contaminant concentrations for the samples collected from the remaining monitoring wells were also below MTCA Method A CULs.

Groundwater sampling was discontinued in late 2002 and the Site did not receive a full NFA determination, due to the benzene concentration exceeding the MTCA Method A CUL in the samples from MW-2. Records indicate that the Site was subsequently dropped from Ecology's VCP due to inactivity.

The Site re-entered the VCP in August 2011 and was assigned VCP No. NW 2532. Quarterly groundwater sampling of the four on-Site wells was resumed in August 2011. On March 26, 2012, Ecology notified the Site owner that the January 2000 conditional NFA determination was rescinded because the benzene concentrations in groundwater samples collected from well MW-2 remained greater than the MTCA Method A CUL and the previous groundwater remedy (excavation of petroleum impacted soils followed by groundwater monitoring) did not achieve and maintain compliance with the applicable MTCA Method A CULs.

On November 28, 2012, a 12,000-gallon diesel fuel UST was decommissioned by removal south of the truck maintenance building (Figure 2). According to available information, the UST was emptied and removed from service in 1998 when the 550-gallon waste oil UST was decommissioned and had not been operated between 1998 and 2012. EPI personnel oversaw the UST decommissioning activities and collected nine (9) soil samples and a water sample from the excavation. The diesel contaminated water was reported in the water from the excavation and was reportedly rinseate from the UST that was spilled as the UST was removed from the excavation due to improper rigging and hoisting. EPI prepared the *Underground Storage Tank Site Assessment Report* (EPI, 2013a), dated January 4, 2013, for submittal to Ecology's Underground Storage Tank Division.

In an opinion letter dated April 22, 2013, Ecology requested installation of two additional monitoring wells designated MW-5 and MW-6. Well MW-5 was installed at the southwest corner of the truck maintenance building, near the on-Site oil/water separator (OWS), to monitor groundwater downgradient of MW-1. Well MW-6 was installed at the southeast corner of the former 12,000-gallon diesel UST excavation to evaluate groundwater quality based on the reported petroleum hydrocarbon concentrations in a water sample collected from the in the UST excavation (EPI, 2013b).

In October 2013, EPI performed a site investigation at Ecology's request. The investigation included advancing nine (9) direct-push soil borings DP-1 through DP-9 (Figure 2); five were located around MW-1 and four were located downgradient of MW-6. Laboratory analytical results indicated soil impacts around MW-1 were limited to location DP-3, which was immediately adjacent to the exterior wall of the northwest corner of the Truck Maintenance Building. This result was anticipated because a small quantity of impacted soil was left in place immediately under the truck maintenance building footings to maintain geotechnical stability during impacted soil

excavation. None of the remaining soil samples had detections for petroleum hydrocarbons (EPI, 2013b).

On August 26, 2016, EPI directed the advancement of two soil borings, designated BH-1 and BH-2 for soil sample collection, and construction of two conditional point of compliance (POC) monitoring wells, designated MW-7 and MW-8. BH-1 and BH-2 were advanced east of the former 12,000-gallon diesel UST to evaluate subsurface conditions immediately downgradient of the former UST. Well MW-7 was installed southeast and downgradient of the former 12,000-gallon diesel UST and existing well MW-6. Well MW-8 was installed northeast of MW-7, also downgradient of the former 12,000-gallon diesel UST and existing well MW-6. The purpose of the POC monitoring wells was to monitor groundwater conditions downgradient of the former 12,000-gallon diesel UST (EPI, 2017a). The soil boring and monitoring wells locations are presented on Figure 2.

On August 11, 2017, monitoring well MW-9 was installed by Holt Services near the northwest corner of the truck maintenance building (Figure 2). The additional well was requested by CRT as part of their environmental due diligence prior to their purchase of the property. Historical direct-push sampling data from this location indicated TPH-d and TPH-o was above MTCA Method A in a groundwater sample collected from the boring (EPI, 2017b).

On May 17, 2018, during collection of depth-to-water measurements, asphalt sealant was encountered in the monument for MW-8. After removal of the asphalt sealant, it was discovered that the locking expansion plug for the monitoring well was loose, and that asphalt sealant had seeped past the expansion plug. Visible material was skimmed from the well surface and the monitoring well was purged of approximately 30 gallons of groundwater prior to sampling. TPH-d and TPH-o were reported above MTCA Method A cleanup levels in the groundwater sample collected on May 17, 2018.

On June 5, 2018, ETG cleaned the casing for monitoring well MW-8, using clean absorbent pads to wipe the well casing. Following cleaning, the well was developed by extracting water with a development pump beginning at the top of the groundwater surface and lowering the pump as groundwater dropped in elevation. This process was repeated approximately 15 times until the purge water no longer changed in color between purging events. A total of 25 gallons of groundwater was removed from the well. The well was resampled following cleaning and development. Though significant reduction in TPH-d and TPH-o concentrations were reported, laboratory analytical results still reported TPH-d and TPH-o above MTCA Method A cleanup levels in the groundwater sample.

On September 17, 2018, ETG submitted *Groundwater Assessment Work Plan* (ETG, 2018) proposing the construction of a new groundwater monitoring well downgradient of MW-8. Ecology approved the groundwater monitoring well location in an Opinion Letter dated December 20, 2018 (Ecology, 2018).

On January 25, 2019, consistent with the Ecology approved *Groundwater Assessment Work Plan* (ETG, 2018), groundwater monitoring well MW-10 was constructed downgradient of MW-8 and surveyed. The monitoring well was developed and sampled during the first quarter groundwater monitoring event in February 2019. Laboratory analytical results indicated TPH-g, TPH-d, TPH-o, volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), carcinogenic polynuclear aromatic hydrocarbons (cPAHs) including naphthalene, 1-methyl naphthalene and 2-methyl naphthalene, and total lead were not reported at, or above, laboratory method reporting limits (MRLs) in the groundwater sample collected from the well.

In February 2020, following discussions with Ecology, groundwater monitoring was modified from a quarter frequency to a semi-annual frequency with events occurring during first and third quarter of the calendar year, the high and low groundwater elevation periods of the year.

Remedial System

In 2014, because groundwater data indicated that natural attenuation of the residual TPH-d and TPH-o impacts was not occurring at a rate that would result in a reasonable restoration timeframe, an active groundwater remediation system was designed, installed, and operated for the area around MW-1 as described in the following.

In May 2014, EPI installed three shallow air injection (AI) wells at locations upgradient of MW-1 (Figure 2) to add dissolved oxygen (DO) to the groundwater. The increased DO concentrations in groundwater would stimulate existing aerobic bacteria by providing the oxygen necessary for those bacteria to metabolize dissolved petroleum hydrocarbons in groundwater at a higher rate.

Each of the shallow AI well was equipped with a 1-foot section of Kerfoot Technologies C-Sparger® screen set in a sand filter pack and set below groundwater at approximately 14 to 15 feet bgs. Pressurized air pumped through the C-Sparger® screens forces air, containing oxygen, into groundwater as microbubbles, greatly increasing the surface area of the bubbles for more efficient oxygenation of the groundwater. The remaining well annulus was sealed using hydrated bentonite chips and the surface was completed with 8-inch diameter flush-mount steel monuments set in concrete.

An appropriately sized rotary vane air compressor was installed in the fenced area at the north end of the truck maintenance building to provide air to the shallow air injection wells. The shallow air injection wells are connected to the compressor using 1-inch diameter polyvinyl chloride (PVC) piping installed below grade to each of the well monuments. PVC air supply lines were installed in trenches that were appropriately backfilled and patched with asphalt at the surface to match the surrounding grade.

The remediation system was started and tested on May 15, 2014 after quarterly groundwater monitoring was completed. An electrical issue with the compressor's

motor caused the air injection remediation system to shut down in August 2014. Analytical results from the August 2014 monitoring event indicated that TPH-d and TPH-o concentrations were not reported, at or above laboratory MRLs in the sample from MW-1. Based on the favorable result, remediation system operation was suspended at MW-1 from August 2014 to April 2015 so that groundwater data could be collected to demonstrate that groundwater was remediated to concentrations below Ecology MTCA Method A Groundwater CULs, and to provide data intended to demonstrate that contaminant concentration rebound was not occurring.

The positive response to operation of the air injection remediation system at MW-1 demonstrated that expansion to remediate impacted groundwater at MW-6 was warranted. In January 2015, EPI installed three additional shallow AI wells at locations upgradient of MW-6 (Figure 2). The three wells are constructed like the air injection wells at MW-1, equipped with 1-foot lengths of Kerfoot Technologies C-Sparger® screen set in a sand filter pack and set below groundwater at approximately 14 to 15 feet bgs.

Operation of the expanded air injection remediation system at MW-6 was initiated on April 3, 2015. The expanded system at MW-6 ran from April until June 2015 when a new electrical issue with the compressor's motor caused the air injection remediation system to shut down, requiring replacement.

Repairs to the air injection system were completed and the remediation system was restarted on February 3, 2016. However, the system was not operational during the June 21, 2016 groundwater monitoring event, and inspection revealed that the compressor motor was damaged due to overheating. EPI was informed that the system had been off for several weeks prior to the monitoring event.

EPI evaluated the potential reasons for the compressor motor overheating and the likely cause was low voltage power throughout the area, which was measured at 208 volts at the air injection system panel. The actual voltage was lower than the design voltage of 220-230 volts. EPI concluded that although the compressor motor was rated to operate at 208 volts, voltage fluctuations below 208 volts caused high amperage on the motor, resulting in excessive heat that eventually burned-out the motor.

In November 2016, EPI installed a 1.5 horsepower, Republic Manufacturing, Model DRT-425 rotary vane compressor with a 208-volt-specific motor. Compressor operation was started on November 16, 2016. The system was operational before, and after the December 20, 2016 groundwater monitoring event. Sometime between the December 20, 2016 monitoring event and a Site visit by EPI personnel on March 20, 2017, the air injection system shut down. On March 20, 2017, EPI personnel inspected the compressor and determined that the rotary vanes were destroyed and required replacement. The compressor repair work was completed under warranty at the manufacturer's facility.

The repaired compressor was reconnected and returned to service on June 19, 2017. Both areas of the air injection system MW-1 and MW-6, were back in operation following the completion of groundwater monitoring on June 19, 2017.

Since installation in 2015, air injection well AI-6, located near monitoring well MW-6, consistently had little to no air flow. EPI tested, evaluated, and attempted to increase air flow through this point with no measurable improvement and determined that the well was plugged and unrepairable. On June 26, 2017, Holocene Drilling, under EPI direction, decommissioned AI-6 per Ecology requirements and replaced it with air injection well AI-6R.

The air injection system was inspected during a Site visit by EPI on December 14, 2017 and again during quarterly monitoring on December 20, 2017 and was operating as designed with no excessive heat or mechanical issues noted. EPI returned to the property on January 2, 2018 to re-sample wells MW-4, MW-6, and MW-6 and noted that the air compressor was not running. The compressor was replaced, and the air injection system re-started (EPI, 2018).

The air injection system continued to operate after repair in January 2018, with the exception of maintenance events and prior to groundwater monitoring events. Based on the November 2018 monitoring results, air injection system operation was suspended on December 6, 2018 and has remained inactive since that date.

GROUNDWATER MONITORING

On March 4, 2020, ETG conducted a semi-annual groundwater monitoring event for the January through June 2020 monitoring period. The monitoring event included collection of depth-to-water measurements from monitoring wells MW-1 through MW-10 and collection of a groundwater sample and duplicate groundwater sample from monitoring well MW-9. Depth-to-water measurements and groundwater elevation data are provided in Table 1.

Monitoring Procedures

During the monitoring event, groundwater samples were collected utilizing “low-flow” sampling techniques in general accordance with the United States Environmental Protection Agency (USEPA) *Low-Flow Groundwater Monitoring Procedures* (USEPA, 1996). Prior to sampling, depth-to-water measurements were used to determine the static water level in each well. During purging, field parameters including: pH, conductivity, temperature, oxidation-reduction (Redox), and dissolved oxygen were measured utilizing a flow-through cell. A groundwater sample was collected after at least three sequential field parameter readings had stabilized to within the limits specified in the USEPA procedure and the water level was below the top of the screened interval. Field sampling data, including depth-to-water at the completion of sampling were recorded on a field sampling data sheet (FSDS). A copy of the FSDS is provided as Attachment A.

Groundwater samples were collected from disposable discharge tubing connected to the peristaltic pump and transferred directly to laboratory-supplied containers with as little agitation as possible. Groundwater samples were labeled with a unique blind code and delivered in an iced cooler using chain-of-custody (COC) procedure to Pace Analytical Services, LLC (PACE), a State of Washington certified laboratory (No. C486), in Minneapolis, Minnesota.

All groundwater samples were analyzed for TPH-d and TPH-o by Ecology Method NWTPH-Dx. For quality assurance/quality control (QA/QC) purposes, a duplicate groundwater sample was also collected from monitoring well MW-9.

All purge water was stored on-Site in an United States Department of Transportation (USDOT) approved 55-gallon drum pending proper off-Site disposal.

Groundwater Elevation and Flow Direction

Based on the depth-to-water measurements collected on March 4, 2020 from the ten (10) monitoring wells, a groundwater elevation contour map was generated for the Site (Figure 3) using field measurements and data from well surveys completed on September 19, 2017 (MW-1 through MW-9) and February 5, 2019 (MW-10). Groundwater elevation data indicated a predominantly east-southeast groundwater flow direction, consistent with flow directions observed in previous groundwater monitoring events. The horizontal groundwater gradient was calculated to be less than 0.01 feet per foot (ft/ft) during the March 4, 2020 groundwater monitoring event.

Groundwater Analytical Results

A summary of the laboratory analytical results for the samples collected on March 4, 2020 from monitoring well MW-9 are provided in Table 2 along with Ecology MTCA Method A CULs for comparison. TPH-d and TPH-o analytical results are also presented on Figure 4. A copy of the laboratory analytical report is provided as Attachment B.

Analytical results for groundwater samples collected on March 4, 2020 from monitoring well MW-9 indicated the following:

Diesel Range Hydrocarbons

- TPH-d was reported at estimated concentrations above the method detection limit (MDL), but below the laboratory MRL, in the primary and duplicate groundwater samples collected from monitoring well MW-9 at concentrations of 260 and 290 µg/L, respectively. The reported estimated concentrations, as well as the laboratory MRLs were below the Ecology MTCA Method A CUL.

Oil Range Hydrocarbons

- TPH-o was reported at estimated concentrations above the MDL, but below the laboratory MRL, in the primary and duplicate groundwater samples collected from monitoring well MW-9 at concentrations of 89 and 93 µg/L, respectively. The reported estimated concentrations, as well as the laboratory MRLs were below the Ecology MTCA Method A CUL.

Total Diesel and Oil Range Hydrocarbons

- Total TPH-d and TPH-o was reported at estimated concentrations above the MDL, but below the laboratory MRL, in the primary and duplicate groundwater samples collected from monitoring well MW-9 at concentrations of 349 and 383 µg/L, respectively.

GROUNDWATER ANALYSIS TREND CHARTS

In Ecology's Opinion Letter dated December 20, 2018 (Ecology, 2018) groundwater analysis trend charts were requested for monitoring wells MW-1, MW-3, MW-6, MW-8, and MW-9. Currently, only MW-9 in being monitored. A copy of the groundwater analysis trend chart for MW-9 is provided as Attachment C. The trend chart indicates the following:

- Laboratory analyses for samples collected from MW-9 indicate an overall declining trend since well installation in September 2017. TPH-o has never been reported in groundwater samples collected from MW-9. Groundwater quality data for TPH-d were compliant with Ecology MTCA Method A during the March 2020 monitoring event.

REMEDIAL SYSTEM OPERATION

Based on the November 2018 monitoring results, air injection system operation was suspended on December 6, 2018. The air injection system has not operated since that time.

SCHEDULED ACTIONS

The next semi-annual groundwater monitoring event will occur in August 2020 and will included collection of depth-to-water measurements from monitoring wells MW-1 through MW-10, and a groundwater sample from monitoring well MW-9. Following completion of the semi-annual monitoring event, a groundwater report will be prepared and submitted to Ecology.

If there are any questions regarding this report, please call.

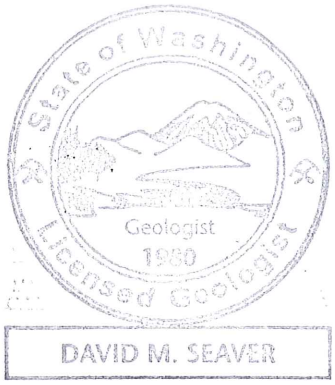
Sincerely,

Environmental Technologies Group, Inc.

Daniel J. Landry
Senior Project Manager

David M. Seaver, L.G.
Senior Geologist

Attachments: References
Limitations
Tables 1 and 2
Figures 1, 2, 3, and 4
Attachment A, B, and C



REFERENCES

Ecology. 2018. Opinion Letter – Further Action at the Following Site: Site Name: Provisioner's Express Inc., Site Address: 2102 West Valley Highway North, Auburn, Washington, 98001, Facility/Site No.: 91612121, VCP Project No.: 3206, Cleanup Site ID: 6847. State of Washington Department of Ecology. December 20.

EMR. 1999. *Remedial Investigation/Feasibility Study*, Provisioners Express Auburn Facility, 2102 West Valley Highway, Auburn, Washington. Environmental Management Resources, Inc. March.

EPI. 2013a. *Underground Storage Tank Site Assessment Report,* Estes Express Facility, 2102 West Valley Highway North, Auburn, Washington. Environmental Partners, Inc. January 4.

EPI. 2013b. *Phase II Environmental Site Assessment Report,* Estes West Express Trucking Facility, 2102 West Valley Highway North, Auburn, Washington. Environmental Partners, Inc. December 9.

EPI. 2017a. *September and December 2016 Groundwater Sampling Report – Twenty and Twenty-First Rounds*, Estes West Express Trucking Facility, 2102 West Valley Highway North, Auburn, Washington. Environmental Partners, Inc. February 24.

EPI. 2017b. *September 2017 Groundwater Sampling Report – Twenty-Fourth Round*, Estes West Express Trucking Facility, 2102 West Valley Highway North, Auburn, Washington. Environmental Partners, Inc. October 3.

EPI. 2018. *December 2017 – January 2018 Groundwater Sampling Report – Twenty-Fifth Round*, Estes West Express Trucking Facility, 2102 West Valley Highway North, Auburn, Washington. Environmental Partners, Inc. February 21.

ETG. 2018. *Groundwater Assessment Work Plan*, Former Provisioner's Express, Inc. Facility, 2102 West Valley Highway North, Auburn, Washington, Ecology Facility ID 91612121, Cleanup Site ID 6847, VCP Project No. 3206. Environmental Technologies Group, Inc. September 17.

ETG. 2019. *Response to Ecology Opinion Letter*, Former Provisioner's Express, Inc. Facility, 2102 West Valley Highway North, Auburn, Washington, Ecology

Facility ID 91612121, Cleanup Site ID 6847, VCP Project No. 3206. Environmental Technologies Group, Inc. March 28.

USEPA. 1996. *Low-Flow Groundwater Monitoring Procedures*, USEPA/540/S-95/504, United States Environmental Protection Agency. April.

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

The purpose of a geologic/hydrogeologic study is to reasonably characterize existing site conditions based on the geology/hydrogeology of the area. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the site conditions and an exhaustive analysis of each conceivable environmental characteristic. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to describe all geologic/hydrogeologic conditions of interest at a given site. If conditions have not been identified during the study, such a finding should not therefore be construed as a guarantee of the absence of such conditions at the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

We are unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Geologic/hydrogeologic conditions may exist at the site that cannot be identified solely by visual observation. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

Table 1
Groundwater Elevation Summary

Well Number/ TOC Elevation	Date of Measurement	Dissolved Oxygen (mg/L)	DTW (feet)	SWL (feet)	Change in SWL (feet)
MW-1					
100.51	12/23/98	--	5.32	95.19	--
	01/05/99	--	5.01	95.50	0.31
	01/20/99	--	4.95	95.56	0.06
	02/02/99	--	5.01	95.50	-0.06
60.77	08/12/11	--	6.12	54.65	--
	11/11/11	--	5.42	55.35	0.70
	02/10/12	--	4.76	56.01	0.66
	05/17/12	--	5.35	55.42	-0.59
	08/28/12	--	6.28	54.49	-0.93
	11/15/12	--	4.99	55.78	1.29
	02/14/13	--	5.22	55.55	-0.23
	05/16/13	--	5.42	55.35	-0.20
	08/14/13	0.21	6.17	54.60	-0.75
	11/25/13	0.29	5.06	55.71	1.11
	02/20/14	0.25	3.62	57.15	1.44
	05/15/14	0.41	4.76	56.01	-1.14
	08/14/14	7.69	7.32	53.45	-2.56
	11/24/14	0.67	5.22	55.55	2.10
	03/31/15	0.45	4.99	55.78	0.23
	06/29/15	0.15	6.23	54.54	-1.24
	09/28/15	0.40	6.37	54.40	-0.14
	03/03/16	10.71	2.18	58.59	4.19
	06/21/16	4.82	5.82	54.95	-3.64
	09/16/16	0.16	5.99	54.78	-0.17
	12/20/16	7.69	4.92	55.85	1.07
	03/24/17	1.99	3.33	57.44	1.59
	06/16/17	0.93	4.25	56.52	-0.92
	09/05/17	0.49	6.17	54.60	-1.92
	12/20/17	11.2	4.45	56.32	1.72
	05/17/18	5.90	5.50	55.27	-1.05
	08/23/18	3.37	6.54	54.23	-1.04
	11/15/18	7.77	5.40	55.37	1.14
	02/19/19	--	3.88	56.89	1.52
	05/21/19	--	5.19	55.58	-1.31
	08/21/19	--	5.64	55.13	-0.45
	11/12/19	0.43	4.92	55.85	0.72
	03/04/20	--	4.25	56.52	0.67
MW-2					
100.56	12/23/98	--	6.89	93.67	--
	01/05/99	--	5.09	95.47	1.80
	01/20/99	--	4.48	96.08	0.61
	02/02/99	--	5.09	95.47	-0.61
60.85	08/12/11	--	5.51	55.34	--
	11/11/11	--	5.13	55.72	0.38
	02/10/12	--	4.94	55.91	0.19
	05/17/12	--	5.42	55.43	-0.48
	08/28/12	--	6.40	54.45	-0.98
	11/15/12	--	5.12	55.73	1.28
	02/14/13	--	5.32	55.53	-0.20
	05/16/13	--	5.48	55.37	-0.16
	08/14/13	0.58	6.33	54.52	-0.85
	11/25/13	0.27	5.14	55.71	1.19
	02/20/14	3.08	2.23	58.62	2.91
	05/15/14	0.12	4.86	55.99	-2.63

Table 1
Groundwater Elevation Summary

Well Number/ TOC Elevation	Date of Measurement	Dissolved Oxygen (mg/L)	DTW (feet)	SWL (feet)	Change in SWL (feet)
MW-2	08/14/14	0.36	4.93	55.92	-0.07
Continued	11/24/14	0.14	3.70	57.15	1.23
	03/31/15	2.12	5.02	55.83	-1.32
	06/29/15	0.28	6.36	54.49	-1.34
	09/28/15	0.84	6.50	54.35	-0.14
	03/03/16	1.34	2.64	58.21	3.86
	06/21/16	0.74	5.95	54.90	-3.31
	09/16/16	0.15	6.13	54.72	-0.18
	12/20/16	0.87	4.71	56.14	1.42
	03/24/17	--	3.09	57.76	1.62
	06/16/17	0.51	4.75	56.10	-1.66
	09/05/17	0.55	6.32	54.53	-1.57
	12/20/17	4.41	4.21	56.64	2.11
	05/17/18	0.56	5.60	55.25	-1.39
	08/23/18	--	6.68	54.17	-1.08
	11/15/18	--	5.44	55.41	1.24
	02/19/19	--	4.12	56.73	1.32
	05/21/19	--	5.30	55.55	-1.18
	08/21/19	--	5.81	55.04	-0.51
	11/12/19	--	4.89	55.96	0.92
	03/04/20	--	4.67	56.18	0.22
MW-3					
100.56	12/23/98	--	5.44	95.12	--
	01/05/99	--	5.11	95.45	0.33
	01/20/99	--	4.57	95.99	0.54
	02/02/99	--	5.11	95.45	-0.54
60.80	08/12/11	--	5.54	55.26	--
	11/11/11	--	8.90	51.90	-3.36
	02/10/12	--	5.05	55.75	3.85
	05/17/12	--	5.60	55.20	-0.55
	08/28/12	--	6.40	54.40	-0.80
	11/15/12	--	5.25	55.55	1.15
	02/14/13	--	5.38	55.42	-0.13
	05/16/13	--	5.56	55.24	-0.18
	08/14/18	0.37	6.31	54.49	-0.75
	11/25/13	0.41	5.22	55.58	1.09
	02/20/14	0.26	4.34	56.46	0.88
	05/15/14	0.77	5.03	55.77	-0.69
	08/14/14	0.29	6.28	54.52	-1.25
	11/24/14	0.05	5.21	55.59	1.07
	03/31/15	1.24	5.15	55.65	0.06
	06/29/15	0.25	6.37	54.43	-1.22
	09/28/15	0.25	6.51	54.29	-0.14
	03/03/16	1.48	4.55	56.25	1.96
	06/21/16	0.90	5.93	54.87	-1.38
	09/16/16	0.11	6.09	54.71	-0.16
	12/20/16	1.94	5.38	55.42	0.71
	03/24/17	--	4.57	56.23	0.81
	06/16/17	0.29	5.23	55.57	-0.66
	09/05/17	0.21	6.30	54.50	-1.07
	12/20/17	0.78	4.91	55.89	1.39
	05/17/18	0.71	5.63	55.17	-0.72
	08/23/18	--	6.63	54.17	-1.00
	11/15/18	1.91	5.48	55.32	1.15
	02/19/19	0.34	4.77	56.03	0.71

Table 1
Groundwater Elevation Summary

Well Number/ TOC Elevation	Date of Measurement	Dissolved Oxygen (mg/L)	DTW (feet)	SWL (feet)	Change in SWL (feet)
MW-3 Continued	05/21/19	0.36	5.31	55.49	-0.54
	08/21/19	0.21	5.75	55.05	-0.44
	11/12/19	--	5.07	55.73	0.68
	03/04/20	--	4.72	56.08	0.35
MW-4					
100.61	02/02/99	--	5.11	95.50	--
60.93	08/12/11	--	6.37	54.56	--
	11/11/11	--	5.65	55.28	0.72
	02/10/12	--	5.20	55.73	0.45
	05/17/12	--	5.63	55.30	-0.43
	08/28/12	--	6.50	54.43	-0.87
	11/15/12	--	5.36	55.57	1.14
	02/14/13	--	5.50	55.43	-0.14
	05/16/13	--	5.67	55.26	-0.17
	08/14/13	0.18	6.42	54.51	-0.75
	11/25/13	--	5.31	55.62	1.11
	02/20/14	0.37	4.45	56.48	0.86
	05/15/14	0.45	5.14	55.79	-0.69
	08/14/14	0.27	6.33	54.60	-1.19
	11/24/14	0.04	5.27	55.66	1.06
	03/31/15	0.98	5.27	55.66	0.00
	06/29/15	0.15	6.45	54.48	-1.18
	09/28/15	0.27	6.62	54.31	-0.17
	03/03/16	4.79	3.20	57.73	3.42
	06/21/16	0.49	6.11	54.82	-2.91
	09/16/16	0.64	6.40	54.53	-0.29
	12/20/16	0.75	6.32	54.61	0.08
	03/24/17	0.23	4.69	56.24	1.63
	06/16/17	0.24	5.36	55.57	-0.67
	09/05/17	0.58	6.39	54.54	-1.03
	12/20/17	0.75	5.00	55.93	1.39
	01/02/18	1.52	5.00	55.93	0.00
	05/17/18	0.57	5.74	55.19	-0.74
	08/23/18	--	6.73	54.20	-0.99
	11/15/18	--	5.55	55.38	1.18
	02/19/19	--	4.90	56.03	0.65
	05/21/19	--	5.41	55.52	-0.51
	08/21/19	--	5.83	55.10	-0.42
	11/12/19	--	5.22	55.71	0.61
	03/04/20	--	4.81	56.12	0.41
MW-5					
60.90	08/14/13	0.21	6.31	54.59	--
	11/25/13	--	5.24	55.66	1.07
	02/20/14	--	4.38	56.52	0.86
	05/15/14	0.29	5.06	55.84	-0.68
	08/14/14	--	6.31	54.59	-1.25
	11/24/14	0.08	5.24	55.66	1.07
	03/31/15	1.09	5.17	55.73	0.07
	06/29/15	0.28	6.35	54.55	-1.18
	09/28/15	0.52	6.51	54.39	-0.16
	03/03/16	2.03	4.59	56.31	1.92
	06/21/16	0.40	5.96	54.94	-1.37
	09/16/16	0.10	6.11	54.79	-0.15
	12/20/16	1.09	5.16	55.74	0.95
	03/24/17	--	4.61	56.29	0.55

Table 1
Groundwater Elevation Summary

Well Number/ TOC Elevation	Date of Measurement	Dissolved Oxygen (mg/L)	DTW (feet)	SWL (feet)	Change in SWL (feet)
MW-5 Continued	06/16/17	0.30	5.27	55.63	-0.66
	09/05/17	0.51	6.27	54.63	-1.00
	12/20/17	0.93	4.92	55.98	1.35
	01/02/18	1.20	4.92	55.98	0.00
	05/17/18	0.95	5.65	55.25	-0.73
	08/23/18	--	6.58	54.32	-0.93
	11/15/18	--	5.44	55.46	1.14
	02/19/19	--	4.80	56.10	0.64
	05/21/19	--	5.31	55.59	-0.51
	08/21/19	--	5.73	55.17	-0.42
	11/12/19	--	5.06	55.84	0.67
	03/04/20	--	4.72	56.18	0.34
MW-6 60.76	08/14/13	0.22	6.21	54.55	--
	11/25/13	--	5.13	55.63	1.08
	02/20/14	0.29	4.27	56.49	0.86
	05/15/14	0.33	4.97	55.79	-0.70
	08/14/14	0.20	6.13	54.63	-1.16
	11/24/14	0.09	5.08	55.68	1.05
	03/31/15	0.09	5.10	55.66	-0.02
	06/29/15	0.17	6.27	54.49	-1.17
	09/28/15	0.37	6.42	54.34	-0.15
	03/03/16	0.67	4.53	56.23	1.89
	06/21/16	0.52	5.91	54.85	-1.38
	09/16/16	0.33	6.01	54.75	-0.10
	12/20/16	1.30	5.14	55.62	0.87
	03/24/17	0.18	4.52	56.24	0.62
	06/16/17	0.23	5.18	55.58	-0.66
	09/05/17	0.61	6.23	54.53	-1.05
	12/20/17	0.76	4.80	55.96	1.43
	01/02/18	0.86	4.80	55.96	0.00
	05/17/18	0.35	5.57	55.19	-0.77
	08/23/18	0.48	6.51	54.25	-0.94
	11/15/18	1.22	5.39	55.37	1.12
	02/19/19	0.39	4.69	56.07	0.70
	05/21/19	0.32	5.22	55.54	-0.53
	08/21/19	--	5.63	55.13	-0.41
	11/12/19	--	5.14	55.62	0.49
	03/04/20	--	4.62	56.14	0.52
MW-7 59.87	09/16/16	0.57	5.15	54.72	--
	12/20/16	0.72	5.27	54.60	-0.12
	03/24/17	0.23	3.68	56.19	1.59
	06/16/17	0.31	4.33	55.54	-0.65
	09/05/17	0.21	5.43	54.44	-1.10
	12/20/17	0.94	3.95	55.92	1.48
	05/17/18	0.53	4.71	55.16	-0.76
	08/23/18	--	5.67	54.20	-0.96
	11/15/18	--	4.49	55.38	1.18
	02/19/19	--	3.85	56.02	0.64
	05/21/19	--	4.36	55.51	-0.51
	08/21/19	--	4.76	55.11	-0.40
	11/12/19	--	4.14	55.73	0.62
	03/04/20	--	3.77	56.10	0.37

Table 1
Groundwater Elevation Summary

Well Number/ TOC Elevation	Date of Measurement	Dissolved Oxygen (mg/L)	DTW (feet)	SWL (feet)	Change in SWL (feet)
MW-8					
59.70	09/16/16	0.52	5.09	54.61	--
	12/20/16	1.29	4.62	55.08	0.47
	03/24/17	0.33	3.67	56.03	0.95
	06/16/17	0.28	4.21	55.49	-0.54
	09/05/17	0.34	5.31	54.39	-1.10
	12/20/17	1.39	3.78	55.92	1.53
	05/17/18	0.62	4.66	55.04	-0.88
	06/05/18	0.67	5.90	53.80	-1.24
	08/23/18	0.93	5.56	54.14	0.34
	11/15/18	2.03	4.44	55.26	1.12
	02/19/19	0.41	3.73	55.97	0.71
	05/21/19	0.39	4.20	55.50	-0.47
	08/21/19	--	4.62	55.08	-0.42
	11/12/19	--	3.89	55.81	0.73
	03/04/20	--	3.61	56.09	0.28
MW-9					
60.91	09/05/17	0.38	6.33	54.58	--
	12/20/17	4.73	4.73	56.18	1.60
	05/17/18	0.67	5.64	55.27	-0.91
	08/23/18	1.03	6.69	54.22	-1.05
	11/15/18	0.84	5.50	55.41	1.19
	02/19/19	0.48	4.70	56.21	0.80
	05/21/19	0.29	5.33	55.58	-0.63
	08/21/19	0.29	5.80	55.11	-0.47
	11/12/19	0.50	5.09	55.82	0.71
	03/04/20	0.35	4.72	56.19	0.37
MW-10					
59.80	02/19/19	0.69	4.09	55.71	--
	05/21/19	0.30	4.36	55.44	-0.27
	08/21/19	0.47	4.75	55.05	-0.39
	11/12/19	0.40	4.46	55.34	0.29
	03/04/20	--	3.89	55.91	0.57

Notes:

TOC - Top of casing
mg/L - Milligrams per liter
DTW - Depth to water
-- - Not applicable/Not measured
SWL - Static water level
NC - Not collected

Wells MW-1 thru MW-4 surveyed to an arbitary datum of 100 feet in 1998.
Wells MW-1 through MW-9 surveyed to the North American Vertical Datum of 1988 (NAVD 88) on September 19, 2017 and MW-10 on February 5, 2019.

Table 2
Summary of Groundwater Analytical Results

			Ecology Method NWTPH-Gx (µg/L)	Ecology Method NWTPH-Dx (µg/L)			Volatile Organic Compounds USEPA Method 8021B/8260B (µg/L)			
Well ID	**Sample ID**	**Collection Date**	**TPH-g**	**TPH-d**	**TPH-o**	**Total TPH (C_{12} - C_{36})**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**
MW-1	MW-1	12/23/1998	--	<250	<500	<500	--	--	--	--
	NA	8/12/2011	<100	<250	<500	<500	<1	<1	<1	<3
	NA	11/11/2011	<100	**1,500**	300	**1,800**	<1	<1	<1	<3
	NA	2/10/2012	<100	**690**	<250	**690**	<1	<1	<1	<3
	NA	5/17/2012	<100	**1,100**	480	**1,580**	<1	<1	<1	<3
	NA	8/28/2012	<100	**1,200**	**820**	**2,020**	<1	<1	<1	<3
	NA	11/15/2012	<100	**2,700**	**1,200**	**3,900**	<1	<1	<1	<3
	NA	2/14/2013	<100	**1,600**	**510**	**2,110**	<1	<1	<1	<3
	NA	5/16/2013	<100	**1,500**	340	**1,840**	<1	<1	<1	<3
	NA	8/14/2013	<100	**1,100**	290	**1,390**	<1	<1	<1	<3
	NA	11/25/2013	--	**1,400**	400	**1,800**	--	--	--	--
	NA	2/20/2014	--	**700**	280	**980**	--	--	--	--
	NA	5/15/2014	--	**940**	<250	**940**	--	--	--	--
	NA	8/14/2014	--	<50	<250	<250	--	--	--	--
	NA	11/24/2014	--	220	<250	220	--	--	--	--
	NA	3/31/2015	--	340	<250	340	--	--	--	--
	NA	6/29/2015	--	240	<250	240	--	--	--	--
	NA	9/28/2015	--	**700**	290	**990**	--	--	--	--
	NA	3/3/2016	--	220	<250	220	--	--	--	--
	NA	6/21/2016	--	160	<250	160	--	--	--	--
	NA	9/16/2016	--	**580**	420	**1,000**	--	--	--	--
	NA	12/20/2016	--	190	<250	190	--	--	--	--
	NA	3/24/2017	--	53	<250	53	--	--	--	--
	NA	6/19/2017	--	310	**560**	**870**	--	--	--	--
	NA	9/5/2017	--	340	340	**680**	--	--	--	--
	NA	12/20/2017	--	150	340	490	--	--	--	--
	EW-051718-1	5/17/2018	--	<400	<400	<400	--	--	--	--
	EW-082318-3	8/23/2018	--	<380	<380	<380	--	--	--	--
	EW-111518-6	11/15/2018	--	<400	<400	<400	--	--	--	--
	NS	2/19/2019	--	--	--	--	--	--	--	--
	NS	5/21/2019	--	--	--	--	--	--	--	--
	NS	8/21/2019	--	--	--	--	--	--	--	--
	EW-111219-3	11/12/2019	--	220 J	160 J	380 J	--	--	--	--
	NS	3/4/2020	--	--	--	--	--	--	--	--
MW-2	MW-2	12/23/1998	--	250	<500	<500	--	--	--	--
	MW-2	1/29/1999	230	--	--	--	8.3	1.2	<1.0	4.0
	NA	8/12/2011	<100	<250	<500	<500	<1	<1	<1	<3
	NA	11/11/2011	<100	500	<250	500	<1	<1	<1	<3
	NA	2/10/2012	<100	<50	<250	<250	<1	<1	<1	<3
	NA	5/17/2012	<100	<50	<250	<250	<1	<1	<1	<3
	NA	8/28/2012	<100	470	**730**	**1,200**	<1	<1	<1	<3
	NA	11/15/2012	<100	140	<260	140	<1	<1	<1	<3
	NA	2/14/2013	<100	94	260	354	<1	<1	<1	<3
	NA	5/16/2013	<100	77	<250	77	<1	<1	<1	<3
	NA	8/14/2013	<100	280	<250	280	<1	<1	<1	<3
	NA	11/25/2013	--	53	<250	53	--	--	--	--
	NA	2/20/2014	--	<50	<250	<250	--	--	--	--
	NA	5/15/2014	--	<50	<250	<250	--	--	--	--
	NA	8/14/2014	--	100	<250	100	--	--	--	--
	NA	11/24/2014	--	<50	<250	<250	--	--	--	--
	NA	3/31/2015	--	57	<250	57	--	--	--	--
	NA	6/29/2015	--	97	<250	97	--	--	--	--
	NA	9/28/2015	--	150	<250	150	--	--	--	--

Table 2
Summary of Groundwater Analytical Results

			Ecology Method NWTPH-Gx (µg/L)	Ecology Method NWTPH-Dx (µg/L)			Volatile Organic Compounds USEPA Method 8021B/8260B (µg/L)			
Well ID	**Sample ID**	**Collection Date**	**TPH-g**	**TPH-d**	**TPH-o**	**Total TPH (C_{12} - C_{36})**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**
MW-2	NA	3/3/2016	--	<50	<250	<250	--	--	--	--
Continued	NA	6/21/2016	--	86	<250	86	--	--	--	--
	NA	9/16/2016	--	95	<250	95	--	--	--	--
	NA	12/20/2016	--	<50	<250	<250	--	--	--	--
	NA	6/19/2017	--	61	<250	61	--	--	--	--
	NA	9/5/2017	--	100	<250	100	--	--	--	--
	NA	12/20/2017	--	<50	<250	<250	--	--	--	--
	EW-051718-4	5/17/2018	--	<410	<410	<410	--	--	--	--
	NS	8/23/2018	--	--	--	--	--	--	--	--
	NS	11/15/2018	--	--	--	--	--	--	--	--
	NS	2/19/2019	--	--	--	--	--	--	--	--
	NS	5/21/2019	--	--	--	--	--	--	--	--
	NS	8/21/2019	--	--	--	--	--	--	--	--
	NS	11/12/2019	--	--	--	--	--	--	--	--
	NS	3/4/2020	--	--	--	--	--	--	--	--
MW-3	MW-3	12/23/1998	--	<250	<500	<500	--	--	--	--
	NA	8/12/2011	<100	<250	<500	<500	<1	<1	<1	<3
	NA	11/11/2011	<100	65	<250	65	<1	<1	<1	<3
	NA	2/10/2012	<100	100	<250	100	<1	<1	<1	<3
	NA	5/17/2012	<100	53	<250	53	<1	<1	<1	<3
	NA	8/28/2012	<100	130	<250	130	<1	<1	<1	<3
	NA	11/15/2012	<100	120	<280	120	<1	<1	<1	<3
	NA	2/14/2013	<100	150	<250	150	<1	<1	<1	<3
	NA	5/16/2013	<100	200	<250	200	<1	<1	<1	<3
	NA	8/14/2013	<100	140	<250	140	<1	<1	<1	<3
	NA	11/25/2013	--	170	<250	170	--	--	--	--
	NA	2/20/2014	--	160	<250	160	--	--	--	--
	NA	5/15/2014	--	120	<250	120	--	--	--	--
	NA	8/14/2014	--	140	<250	140	--	--	--	--
	NA	11/24/2014	--	130	<250	130	--	--	--	--
	NA	3/31/2015	--	220	<250	220	--	--	--	--
	NA	6/29/2015	--	130	<250	130	--	--	--	--
	NA	9/28/2015	--	110	<250	110	--	--	--	--
	NA	3/3/2016	--	92	<250	92	--	--	--	--
	NA	6/21/2016	--	85	<250	85	--	--	--	--
	NA	9/16/2016	--	100	<250	100	--	--	--	--
	NA	12/20/2016	--	99	<250	99	--	--	--	--
	NA	6/19/2017	--	310	<250	310	--	--	--	--
	NA	9/5/2017	--	210	<250	210	--	--	--	--
	NA	12/20/2017	--	150	<250	150	--	--	--	--
	EW-051718-9	5/17/2018	--	**520**	<400	**520**	--	--	--	--
	NS	8/23/2018	--	--	--	--	--	--	--	--
	EW-111518-1	11/15/2018	--	<390	<390	<390	--	--	--	--
	EW-021919-4	2/19/2019	--	<400	<400	<400	--	--	--	--
duplicate	EW-021919-5	2/19/2019	--	<400	<400	<400	--	--	--	--
	EW-052119-3	5/21/2019	--	<410	<410	<410	--	--	--	--
duplicate	EW-052119-4	5/21/2019	--	<400	<400	<400	--	--	--	--
	EW-082119-3	8/21/2019	--	<410	<410	<410	--	--	--	--
duplicate	EW-082119-4	8/21/2019	--	<390	<390	<390	--	--	--	--
	NS	11/12/2019	--	--	--	--	--	--	--	--
	NS	3/4/2020	--	--	--	--	--	--	--	--
MW-4	MW-4	1/29/1999	<100	--	--	--	<1.0	<1.0	<1.0	<1.0
	NA	8/12/2011	<100	<250	<500	<500	<1	<1	<1	<3

Table 2
Summary of Groundwater Analytical Results

			Ecology Method NWTPH-Gx (µg/L)	Ecology Method NWTPH-Dx (µg/L)			Volatile Organic Compounds USEPA Method 8021B/8260B (µg/L)			
Well ID	**Sample ID**	**Collection Date**	**TPH-g**	**TPH-d**	**TPH-o**	**Total TPH (C_{12} - C_{36})**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**
MW-4	NA	11/11/2011	<100	72	<250	72	<1	<1	<1	<3
Continued	NA	2/10/2012	<100	150	<250	150	<1	<1	<1	<3
	NA	5/17/2012	<100	160	<250	160	<1	<1	<1	<3
	NA	8/28/2012	<100	200	<250	200	<1	<1	<1	<3
	NA	11/15/2012	<100	220	<250	220	<1	<1	<1	<3
	NA	2/14/2013	<100	220	<250	220	<1	<1	<1	<3
	NA	5/16/2013	<100	210	<250	210	<1	<1	<1	<3
	NA	8/14/2013	<100	200	<250	200	<1	<1	<1	<3
	NA	2/20/2014	--	140	<250	140	--	--	--	--
	NA	5/15/2014	--	140	<250	140	--	--	--	--
	NA	8/14/2014	--	290	<250	290	--	--	--	--
	NA	11/24/2014	--	290	<250	290	--	--	--	--
	NA	3/31/2015	--	320	<250	320	--	--	--	--
	NA	6/29/2015	--	240	<250	240	--	--	--	--
	NA	9/28/2015	--	220	<250	220	--	--	--	--
	NA	3/3/2016	--	130	<250	130	--	--	--	--
	NA	6/21/2016	--	63	<250	63	--	--	--	--
	NA	9/29/2016	--	68	<250	68	--	--	--	--
	NA	12/20/2016	--	78	<250	78	--	--	--	--
	NA	3/24/2017	--	<50	<250	<250	--	--	--	--
	NA	6/19/2017	--	110	<250	110	--	--	--	--
	NA	9/5/2017	--	150	<250	150	--	--	--	--
	NA	1/2/2018	--	<50	<250	<250	--	--	--	--
	EW-051718-8	5/17/2018	--	<400	<400	<400	--	--	--	--
	NS	8/23/2018	--	--	--	--	--	--	--	--
	NS	11/15/2018	--	--	--	--	--	--	--	--
	NS	2/19/2019	--	--	--	--	--	--	--	--
	NS	5/21/2019	--	--	--	--	--	--	--	--
	NS	8/21/2019	--	--	--	--	--	--	--	--
	NS	11/12/2019	--	--	--	--	--	--	--	--
	NS	3/4/2020	--	--	--	--	--	--	--	--
MW-5	NA	6/5/2013	<100	160	<250	160	<1	<1	<1	<3
	NA	8/14/2013	<100	56	<250	56	<1	<1	<1	<3
	NA	11/24/2014	<100	<50	<250	<250	--	--	--	--
	NA	3/31/2015	--	52	<250	52	--	--	--	--
	NA	6/29/2015	--	<50	<250	<250	--	--	--	--
	NA	9/28/2015	--	<50	<250	<250	--	--	--	--
	NA	3/3/2016	--	<50	<250	<250	--	--	--	--
	NA	6/21/2016	--	<50	<250	<250	--	--	--	--
	NA	9/16/2016	--	<50	<250	<250	--	--	--	--
	NA	12/20/2016	--	<50	<250	<250	--	--	--	--
	NA	6/19/2017	--	55	<250	55	--	--	--	--
	NA	9/5/2017	--	68	<250	68	--	--	--	--
	NA	1/2/2018	--	<50	<250	<250	--	--	--	--
	EW-051718-5	5/17/2018	--	<380	<380	<380	--	--	--	--
	NS	8/23/2018	--	--	--	--	--	--	--	--
	NS	11/15/2018	--	--	--	--	--	--	--	--
	NS	2/19/2019	--	--	--	--	--	--	--	--
	NS	5/21/2019	--	--	--	--	--	--	--	--
	NS	8/21/2019	--	--	--	--	--	--	--	--
	NS	11/12/2019	--	--	--	--	--	--	--	--
	NS	3/4/2020	--	--	--	--	--	--	--	--

Table 2
Summary of Groundwater Analytical Results

			Ecology Method NWTPH-Gx (µg/L)	Ecology Method NWTPH-Dx (µg/L)			Volatile Organic Compounds USEPA Method 8021B/8260B (µg/L)			
Well ID	**Sample ID**	**Collection Date**	**TPH-g**	**TPH-d**	**TPH-o**	**Total TPH (C_{12} - C_{36})**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**
MW-6	NA	6/5/2013	<100	**680**	<250	**680**	<1	<1	<1	<3
	NA	8/14/2013	<100	**790**	<250	**790**	<1	<1	<1	<3
	NA	2/20/2014	--	**740**	<250	**740**	--	--	--	--
	NA	5/15/2014	--	**950**	<250	**950**	--	--	--	--
	NA	8/14/2014	--	**1,200**	<250	**1,200**	--	--	--	--
	NA	11/24/2014	--	**680**	<250	**680**	--	--	--	--
	NA	3/31/2015	--	**750**	<250	**750**	--	--	--	--
	NA	6/29/2015	--	**750**	<250	**750**	--	--	--	--
	NA	9/28/2015	--	**610**	<250	**610**	--	--	--	--
	NA	3/3/2016	--	**1,100**	390	**1,490**	--	--	--	--
	NA	6/21/2016	--	**650**	<250	**650**	--	--	--	--
	NA	9/16/2016	--	340	<250	340	--	--	--	--
	NA	12/20/2016	--	**640**	<250	**640**	--	--	--	--
	NA	3/24/2017	--	**580**	<250	**580**	--	--	--	--
	NA	6/19/2017	--	**970**	280	**1,250**	--	--	--	--
	NA	9/5/2017	--	320	<250	320	--	--	--	--
	NA	1/2/2018	--	240	<250	240	--	--	--	--
	EW-051718-6	5/17/2018	--	**880**	<400	**880**	--	--	--	--
	EW-082318-4	8/23/2018	--	<400	<400	<400	--	--	--	--
	EW-082318-3	11/15/2018	--	<380	<380	<380	--	--	--	--
	EW-021919-2	2/19/2019	--	470	<400	470	--	--	--	--
	EW-052119-2	5/21/2019	--	<390	<390	<390	--	--	--	--
	NS	8/21/2019	--	--	--	--	--	--	--	--
	NS	11/12/2019	--	--	--	--	--	--	--	--
	NS	3/4/2020	--	--	--	--	--	--	--	--
MW-7	NA	9/16/2016	--	140	<250	140	--	--	--	--
	NA	12/20/2016	--	78	<250	78	--	--	--	--
	NA	3/24/2017	--	<50	<250	<250	--	--	--	--
	NA	6/19/2017	--	100	<250	100	--	--	--	--
	NA	9/5/2017	--	59	<250	59	--	--	--	--
	NA	12/20/2017	--	99	<250	99	--	--	--	--
	EW-051718-7	5/17/2018	--	<380	<380	<380	--	--	--	--
	NS	8/23/2018	--	--	--	--	--	--	--	--
	NS	11/15/2018	--	--	--	--	--	--	--	--
	NS	2/19/2019	--	--	--	--	--	--	--	--
	NS	5/21/2019	--	--	--	--	--	--	--	--
	NS	8/21/2019	--	--	--	--	--	--	--	--
	NS	11/12/2019	--	--	--	--	--	--	--	--
	NS	3/4/2020	--	--	--	--	--	--	--	--
MW-8	NA	10/3/2016	--	290	<250	290	--	--	--	--
	NA	12/20/2016	--	140	<250	140	--	--	--	--
	NA	3/24/2017	--	<50	<250	<250	--	--	--	--
	NA	6/26/2017	--	180	<250	180	--	--	--	--
	NA	9/5/2017	--	160	<250	160	--	--	--	--
	NA	12/20/2017	--	140	<250	140	--	--	--	--
	EW-051718-10	5/17/2018	--	**1,900**	**2,800**	**4,700**	--	--	--	--
	EW-060518-1	6/5/2018	--	**850**	**770**	**1,620**	--	--	--	--
	EW-082318-5	8/23/2018	<100	450	<380	450	<1.0	<1.0	<1.0	<3.0
	EW-111518-2	11/15/2018	--	<400	<400	<400	--	--	--	--
	EW-021919-3	2/19/2019	--	<400	<400	<400	--	--	--	--
	EW-052119-5	5/21/2019	--	<400	<400	<400	--	--	--	--
	NS	8/21/2019	--	--	--	--	--	--	--	--

Table 2
Summary of Groundwater Analytical Results

			Ecology Method NWTPH-Gx (µg/L)	Ecology Method NWTPH-Dx (µg/L)			Volatile Organic Compounds USEPA Method 8021B/8260B (µg/L)			
Well ID	**Sample ID**	**Collection Date**	**TPH-g**	**TPH-d**	**TPH-o**	**Total TPH (C_{12} - C_{36})**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**
MW-8	NS	11/12/2019	--	--	--	--	--	--	--	--
Continued	NS	3/4/2020	--	--	--	--	--	--	--	--
MW-9	NA	9/5/2017	--	**4,300**	<250	**4,300**	--	--	--	--
	NA	12/20/2017	--	360	<250	360	--	--	--	--
	EW-051718-2	5/17/2018	--	450	<400	450	--	--	--	--
duplicate	EW-051718-3	5/17/2018	--	470	<390	470	--	--	--	--
	EW-082318-1	8/23/2018	--	**790**	<400	**790**	--	--	--	--
duplicate	EW-082318-2	8/23/2018	--	**700**	<400	**700**	--	--	--	--
	EW-111518-4	11/15/2018	--	<390	<390	<390	--	--	--	--
duplicate	EW-111518-5	11/15/2018	--	<400	<400	<400	--	--	--	--
MW-9	EW-021919-1	2/19/2019	<100	<400	<400	<400	<1.0	<1.0	<1.0	<3.0
Continued	EW-052119-1	5/21/2019	--	**510**	<410	**510**	--	--	--	--
	EW-082119-1	8/21/2019	--	**630**	<390	**630**	--	--	--	--
	EW-111219-1	11/12/2019	--	**520**	91 J	**611 J**	--	--	--	--
duplicate	EW-111219-2	11/12/2019	--	380 J	92 J	472 J	--	--	--	--
	EW-030420-1	3/4/2020	--	260 J	89 J	349 J	--	--	--	--
duplicate	EW-030420-2	3/4/2020	--	290 J	93 J	383 J	--	--	--	--
MW-10	EW-021919-6	2/19/2019	<100	<400	<400	<400	<1.0	<1.0	<1.0	<3.0
	EW-052119-6	5/21/2019	--	<390	<390	<390	--	--	--	--
	EW-082119-2	8/21/2019	--	<400	<400	<400	--	--	--	--
	EW-111219-4	11/12/2019	--	200 J	100 J	300 J	--	--	--	--
	NS	3/4/2020	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater[a]			**800/1,000[b]**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**

Notes:

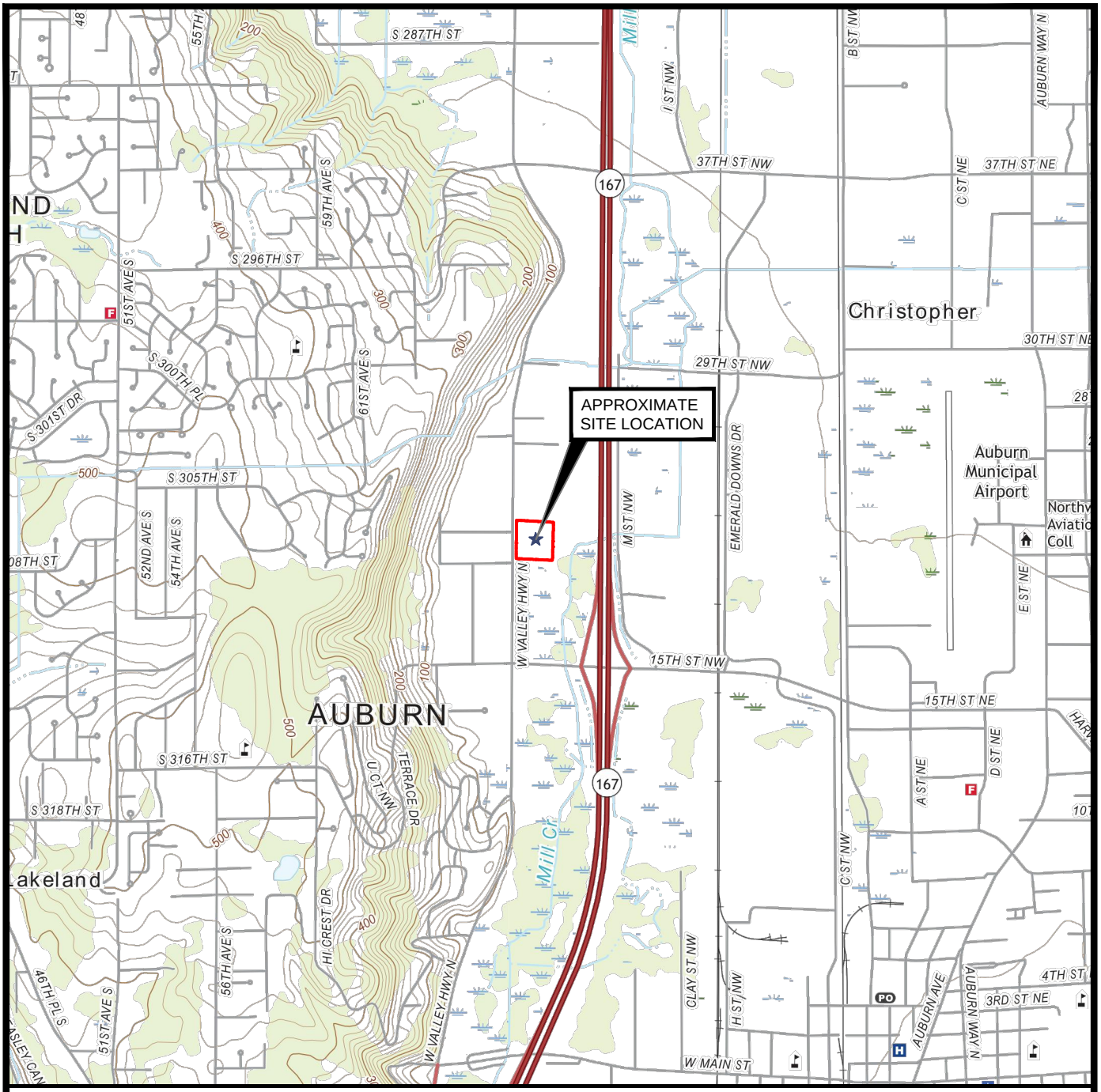
MTCA - Model Toxics Control Act
USEPA - United States Environmental Protection Agency
CCL - Contaminant Cleanup Level
Bold - Value exceeds MTCA Method A cleanup level
TPH-d - diesel range total petroleum hydrocarbons
TPH-g - gasoline range total petroleum hydrocarbons
TPH-o - total petroleum hydrocarbons in the oil range

µg/L - micrograms per liter
-- - Not Analyzed
< - Not reported at, or above the indicated laboratory MRL
NS - Not Sampled
NA - Not Applicable
Shaded value indicates compound was reported either at, or above the laboratory MRL or MDL

J - Estimated concentration above the adjusted laboratory method detection limit (MDL) and below the adjusted laboratory method reporting limit (MRL).

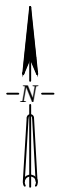
[a] MTCA Method A Groundwater Cleanup Levels for Unrestricted Land Uses are referenced from the February 12, 2001. *Washington Department of Ecology Model Toxics Control Act Cleanup Regulation Chapter 173-340,* Table 720-1.

[b] 800 µg/L if benzene has been detected in groundwater; 1,000 µg/L if benzene has not been detected in groundwater.



SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE
AUBURN, WA AND POVERTY BAY, WA (2017)

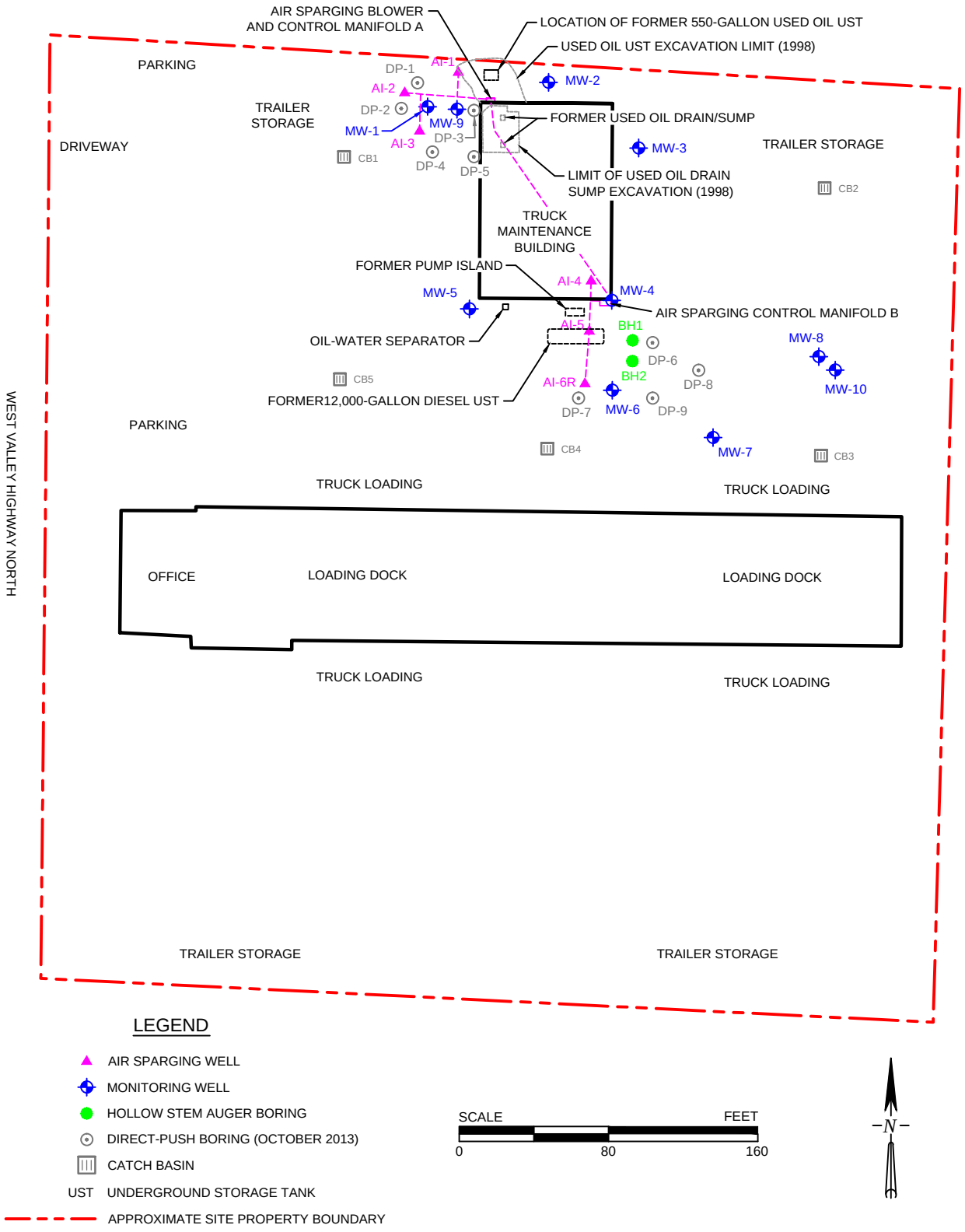
SCALE FEET
0 2,000 4,000



etg Environmental Technologies Group
1176 West 7th Avenue
Eugene, Oregon 97402
phone: 541-743-2600
fax: 541-743-2471
www.etgroupinc.com

FIGURE TITLE	***SITE LOCATION MAP***
DOCUMENT TITLE	SEMI-ANNUAL GROUNDWATER MONITORING REPORT - MARCH 2020
CLIENT	ESTES EXPRESS LINES, INC.
LOCATION	FORMER PROVISIONERS EXPRESS FACILITY 2102 WEST VALLEY HIGHWAY NORTH, AUBURN, WASHINGTON

DATE	3/9/20
SCALE	AS SHOWN
DESIGNED BY	DJL
APPROVED BY	DJL
DRAWN BY	SRM
PROJECT NUMBER	2004-004.002
FIGURE NUMBER	1



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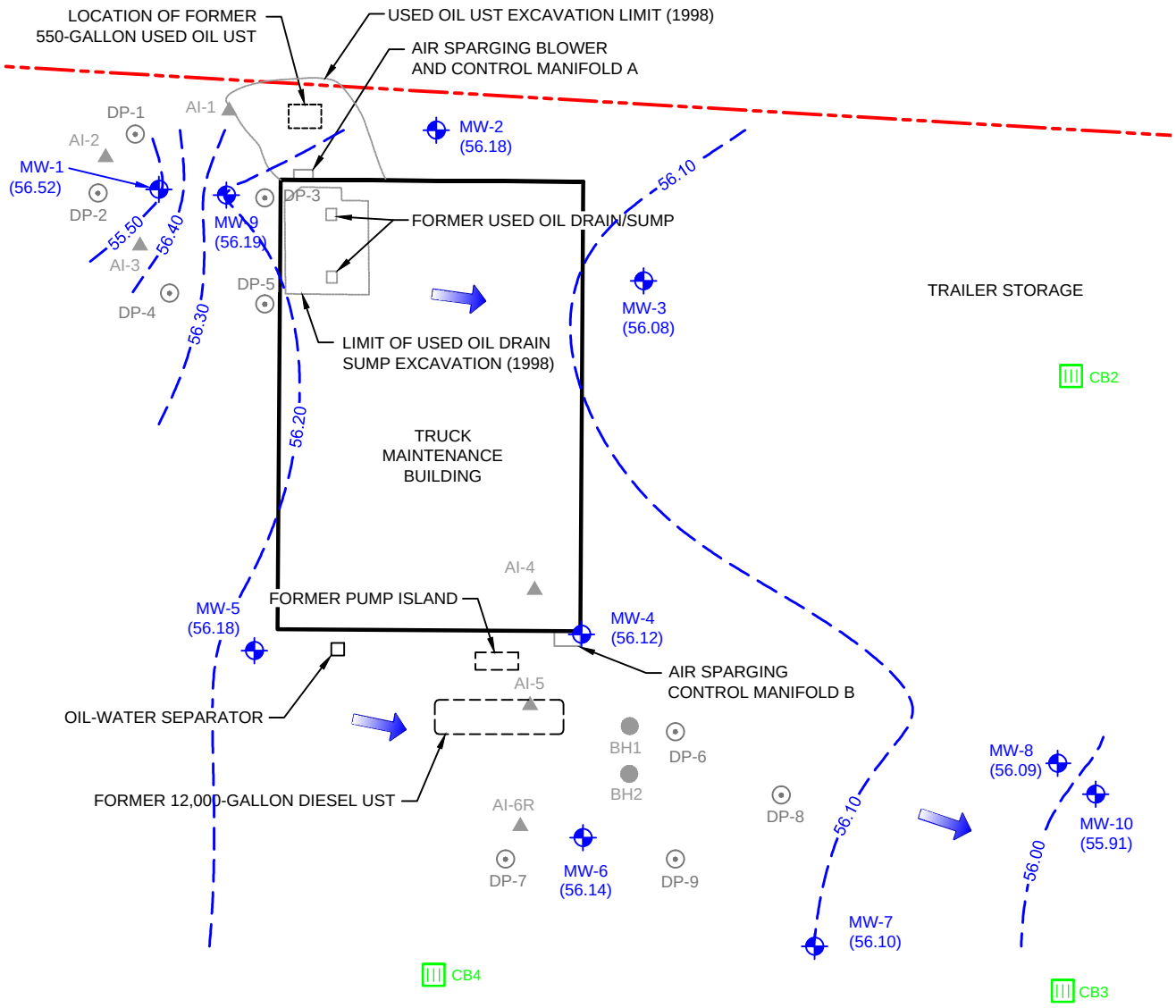
SCALE	AS SHOWN
DESIGNED BY	DJL
APPROVED BY	DJL
DRAWN BY	SRM
PROJECT NUMBER	2004-004.002
FIGURE NUMBER	2



LEGEND

- 56.00 — GROUNDWATER ELEVATION CONTOUR
- (56.14) — GROUNDWATER ELEVATION
- (NU) — NOT USED
- APPROXIMATE FLOW DIRECTION OF SHALLOW GROUNDWATER
- MONITORING WELL
- AIR SPARGING WELL
- HOLLOW STEM AUGER BORING
- DIRECT-PUSH BORING (OCTOBER 2013)
- CATCH BASIN
- UST — UNDERGROUND STORAGE TANK
- APPROXIMATE SITE PROPERTY BOUNDARY

TRUCK LOADING

LOADING DOCK

SCALE FEET
0 40 80

N

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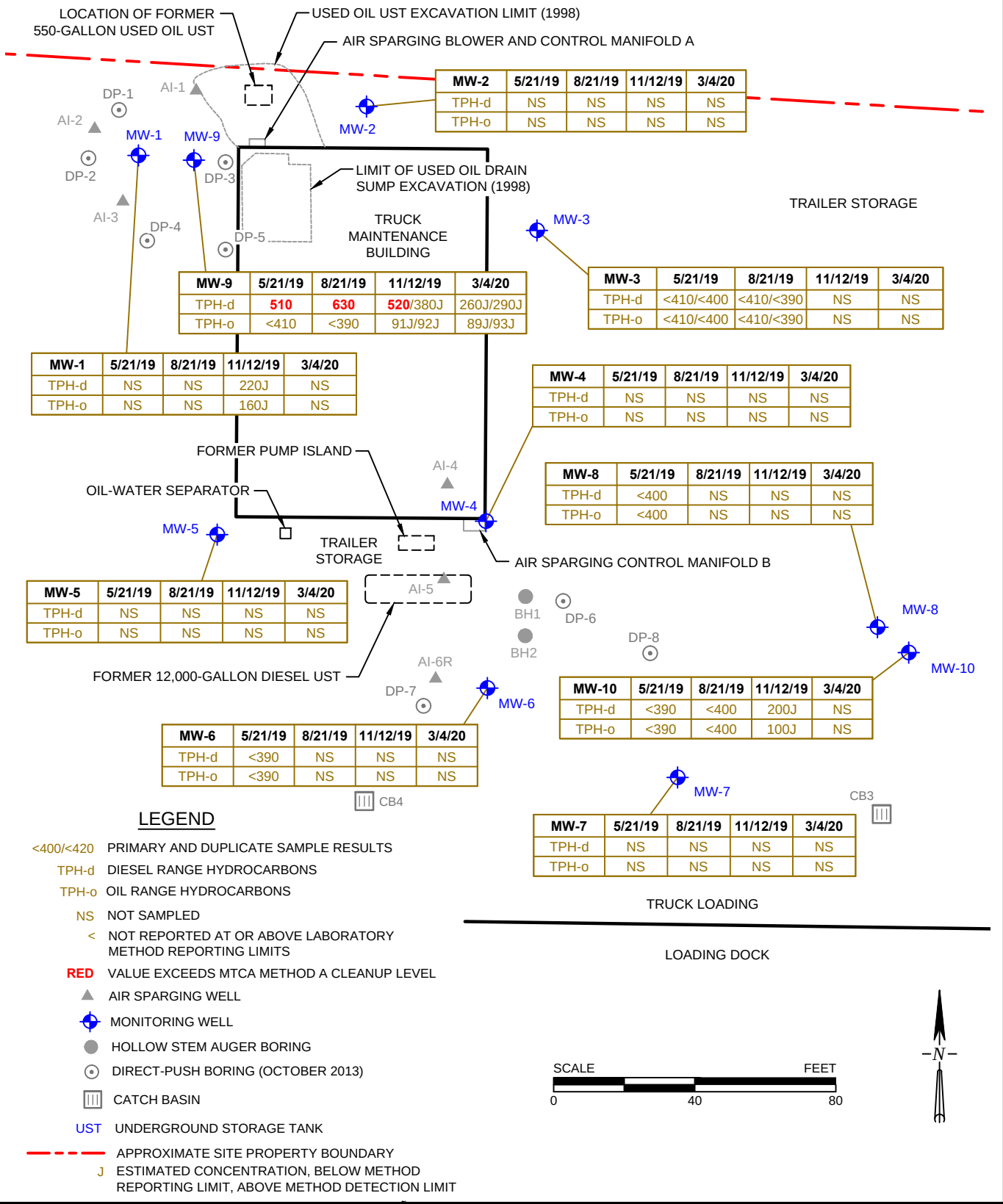
FIGURE TITLE	***GROUNDWATER CONTOUR MARCH 4, 2020***
DOCUMENT TITLE	SEMI-ANNUAL GROUNDWATER MONITORING REPORT - MARCH 2020
CLIENT	ESTES EXPRESS LINES, INC.
LOCATION	FORMER PROVISIONERS EXPRESS FACILITY 2102 WEST VALLEY HIGHWAY NORTH, AUBURN, WASHINGTON

DATE	3/10/20
SCALE	AS SHOWN
DESIGNED BY	DJL
APPROVED BY	DJL
DRAWN BY	SRM
PROJECT NUMBER	2004-004.002
FIGURE NUMBER	3



MW-2	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	NS	NS	NS	NS
TPH-o	NS	NS	NS	NS

MW-9	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	510	630	520/380J	260J/290J
TPH-o	<410	<390	91J/92J	89J/93J

MW-3	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	<410/<400	<410/<390	NS	NS
TPH-o	<410/<400	<410/<390	NS	NS

MW-1	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	NS	NS	220J	NS
TPH-o	NS	NS	160J	NS

MW-4	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	NS	NS	NS	NS
TPH-o	NS	NS	NS	NS

MW-8	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	<400	NS	NS	NS
TPH-o	<400	NS	NS	NS

MW-5	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	NS	NS	NS	NS
TPH-o	NS	NS	NS	NS

MW-10	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	<390	<400	200J	NS
TPH-o	<390	<400	100J	NS

MW-6	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	<390	NS	NS	NS
TPH-o	<390	NS	NS	NS

MW-7	5/21/19	8/21/19	11/12/19	3/4/20
TPH-d	NS	NS	NS	NS
TPH-o	NS	NS	NS	NS

LEGEND

- <400/<420 PRIMARY AND DUPLICATE SAMPLE RESULTS
- TPH-d DIESEL RANGE HYDROCARBONS
- TPH-o OIL RANGE HYDROCARBONS
- NS NOT SAMPLED
- < NOT REPORTED AT OR ABOVE LABORATORY METHOD REPORTING LIMITS
- RED VALUE EXCEEDS MTCA METHOD A CLEANUP LEVEL
- AIR SPARGING WELL
- MONITORING WELL
- HOLLOW STEM AUGER BORING
- DIRECT-PUSH BORING (OCTOBER 2013)
- CATCH BASIN
- UST UNDERGROUND STORAGE TANK
- APPROXIMATE SITE PROPERTY BOUNDARY
- J ESTIMATED CONCENTRATION, BELOW METHOD REPORTING LIMIT, ABOVE METHOD DETECTION LIMIT

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FIGURE TITLE: ***GROUNDWATER ANALYTICAL RESULTS***

DOCUMENT TITLE: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - MARCH 2020

CLIENT: ESTES EXPRESS LINES, INC.

LOCATION: FORMER PROVISIONERS EXPRESS FACILITY
2102 WEST VALLEY HIGHWAY NORTH, AUBURN, WASHINGTON

DATE	3/9/20
SCALE	AS SHOWN
DESIGNED BY	DJL
APPROVED BY	DJL
DRAWN BY	SRM
PROJECT NUMBER	2004-004.002
FIGURE NUMBER	4

ATTACHMENT A
FIELD SAMPLING DATA SHEETS

FIELD SAMPLING DATA SHEET
LOW-FLOW GROUNDWATER SAMPLING

PROJECT NAME: ESTES West WELL ID: MW-9

SITE ADDRESS: Auburn, WA LABEL CODE: EW-03 04 20- 1

DUPLICATE ID: EW-030420-2

Wind From	N	NE	E	SE	S	SW	W	NW	Light	Medium	Heavy
Weather	(Sunny)		Cloudy		Rain		_____?		Temperature:	50 °F	____ °C

WELL DATA

Date	Time	Casing Diameter	DT-Product	DT-Water	Product Thickness
				4.72	

PUMP/INTAKE DEPTH (ft btoc): _____

WATER QUALITY DATA

Time	Liters	PH	Temp	DO	Spec. Cond.	Redox	Turbidity
1320	0.5	6.44	12.2	0.37	375	-10.2	CLEAR *
1322	0.7	6.44	12.2	0.37	374	-9.8	"
1324	0.9	6.42	11.9	0.36	372	-9.7	"
1326	1.1	6.42	11.9	0.35	371	-9.6	"

GROUNDWATER SAMPLE DATA

Sample Date: 3/4/20

Sample Time: 1330 Dup 1345

Bottle Type	√	Amount & Volume		Preservative	Filter	
VOA Glass			40 ml	HCl	No	
Amber Glass	√	2	250 ml	HCl	No	
Poly			250 ml			
Total Bottles						

Notes: Pump rate ≈ 0.1 LPM & Held at 4.91 ft bgs.

* Yellow Tint

Sampled By: Steve McCray Signature: _____

48

ESTES WEST GW SAMPLE (MW-9)

3/4/20 Sunny, 50°F

1300 ETG ONSITE. COLLECT DTW DTP

Well	DTW	Well	DTW
MW-1	4.25	MW-6	4.62
MW-2	4.67	MW-7	3.77
MW-3	4.72	MW-8	3.61
MW-4	4.81	MW-9	4.72
MW-5	4.72	MW-10	3.89

CALIBRATE METERS + BEGIN SAMPLE

FINISH SAMPLE. PACK SAMPLES.

1500 ETG OFFSITE TO SHIP SAMPLES

ATTACHMENT B
LABORATORY ANALYTICAL REPORT

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

March 09, 2020

Dan Landry
Environmental Technologies Group, Inc
1176 West 7th Avenue
Eugene, OR 97402

RE: Project: 2004-004.002/1 Former Provisio
Pace Project No.: 10510734

Dear Dan Landry:
Enclosed are the analytical results for sample(s) received by the laboratory on March 05, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 2004-004.002/1 Former Provisio
Pace Project No.: 10510734

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Massachusetts DWP Certification #: via MN 027-053-137
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: 2004-004.002/1 Former Provisio
Pace Project No.: 10510734

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10510734001	**EW-03 04 20-1**	Water	03/04/20 13:30	03/05/20 08:50
10510734002	**EW-03 04 20-2**	Water	03/04/20 13:45	03/05/20 08:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2004-004.002/1 Former Provisio
Pace Project No.: 10510734

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10510734001	**EW-03 04 20-1**	NWTPH-Dx	JVM	4	PASI-M
10510734002	**EW-03 04 20-2**	NWTPH-Dx	JVM	4	PASI-M

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ANALYTICAL RESULTS

Project: 2004-004.002/1 Former Provisio
Pace Project No.: 10510734

Sample: EW-03 04 20-1 **Lab ID: 10510734001** Collected: 03/04/20 13:30 Received: 03/05/20 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	**0.26J**	mg/L	0.45	0.075	1	03/06/20 13:16	03/07/20 21:41	68334-30-5	
Motor Oil Range	**<0.089**	mg/L	0.45	0.089	1	03/06/20 13:16	03/07/20 21:41		
Surrogates									
o-Terphenyl (S)	76	%.	50-150		1	03/06/20 13:16	03/07/20 21:41	84-15-1	
n-Triacontane (S)	53	%.	50-150		1	03/06/20 13:16	03/07/20 21:41	638-68-6	

Sample: EW-03 04 20-2 **Lab ID: 10510734002** Collected: 03/04/20 13:45 Received: 03/05/20 08:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C								
Diesel Fuel Range	**0.29J**	mg/L	0.48	0.079	1	03/06/20 13:16	03/07/20 22:04	68334-30-5	
Motor Oil Range	**<0.093**	mg/L	0.48	0.093	1	03/06/20 13:16	03/07/20 22:04		
Surrogates									
o-Terphenyl (S)	74	%.	50-150		1	03/06/20 13:16	03/07/20 22:04	84-15-1	
n-Triacontane (S)	62	%.	50-150		1	03/06/20 13:16	03/07/20 22:04	638-68-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004-004.002/1 Former Provisio
Pace Project No.: 10510734

QC Batch: 663687 Analysis Method: NWTPH-Dx
QC Batch Method: EPA Mod. 3510C Analysis Description: NWTPH-Dx GCS LV
Associated Lab Samples: 10510734001, 10510734002

METHOD BLANK: 3560490 Matrix: Water
Associated Lab Samples: 10510734001, 10510734002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	<0.066	0.40	0.066	03/07/20 21:07	
Motor Oil Range	mg/L	<0.078	0.40	0.078	03/07/20 21:07	
n-Triacontane (S)	%.	92	50-150		03/07/20 21:07	
o-Terphenyl (S)	%.	81	50-150		03/07/20 21:07	

LABORATORY CONTROL SAMPLE & LCSD: 3560491 3560492

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	4	3.2	1.6	80	80	50-150	67	20	R1
Motor Oil Range	mg/L	4	3.4	1.7	85	83	50-150	69	20	R1
n-Triacontane (S)	%.				91	90	50-150			
o-Terphenyl (S)	%.				91	85	50-150			

SAMPLE DUPLICATE: 3560493

Parameter	Units	10510734001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	0.26J	0.25J		30	
Motor Oil Range	mg/L	<0.089	<0.085		30	
n-Triacontane (S)	%.	53	56			
o-Terphenyl (S)	%.	76	71			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 2004-004.002/1 Former Provisio
Pace Project No.: 10510734

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2004-004.002/1 Former Provisio
Pace Project No.: 10510734

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10510734001	**EW-03 04 20-1**	EPA Mod. 3510C	663687	NWTPH-Dx	663845
10510734002	**EW-03 04 20-2**	EPA Mod. 3510C	663687	NWTPH-Dx	663845

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: ETG	Report To: DAN LANDRY	Attention:
Address: 1176 West 7th Avenue	Copy To:	Company Name: ETG
Eugene, OR 97402		Address: 1176 West 7th Avenue
Email: dlandry@etgroupinc.com	Purchase Order #:	Pace Quote:
Phone: Fax:	Project Name: Former Provisioners West (Estes)	Pace Project Manager: jennifer.gross@pacelabs.com,
Requested Due Date: Standard	Project #: 2004-004.002/1	Pace Profile #: 32819 / 1

Regulatory Agency

State / Location: WA

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-Dx (Diesel/Motor Oil)	Residual Chlorine (Y/N)	
1	EW-03 04 20-1	WT	G			3/4/20	1330		2										X		001
2	EW-03 04 20-2	WT	G			3/4/20	1345		2										X		002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

WO# : 10510734

10510734

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	STEVE McCray/ETG	3/4/20	1400	Dan PACE	3/5/20	8:10	2.7	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: STEVE McCray

SIGNATURE of SAMPLER: Steve McCray

DATE Signed:

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 19Feb2020 Page 1 of 1
	Document No.: **F-MN-L-213-rev.31**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt **Client Name:** ET6 **Project #:** WO#: 10510734

PM: JMG Due Date: 03/18/20

CLIENT: ET Group

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exceptions** ☐

Tracking Number: 1456 2240 1706

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☐ T1(0461) ☐ T2(1336) ☐ T3(0459) ☑ T4(0254) ☐ T5(0489) **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☑ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 2.8 °C **Average Corrected Temp (no temp blank only):** ☐ See Exceptions

Correction Factor: -0.1 **Cooler Temp Corrected w/temp blank:** 2.7 °C _____ °C ☐ 1 Container

USDA Regulated Soil: (☑ N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** 3/5/20 IJ

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Volume?	☑ Yes	☐ No		7.
Correct Containers Used? -Pace Containers Used?	☑ Yes ☑ Yes	☐ No ☐ No		8.
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other_____	☑ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☑ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** **See Exception** ☐
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. **See Exception** ☐
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	Pace Trip Blank Lot # (if purchased):_____

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted:_____ Date/Time:_____

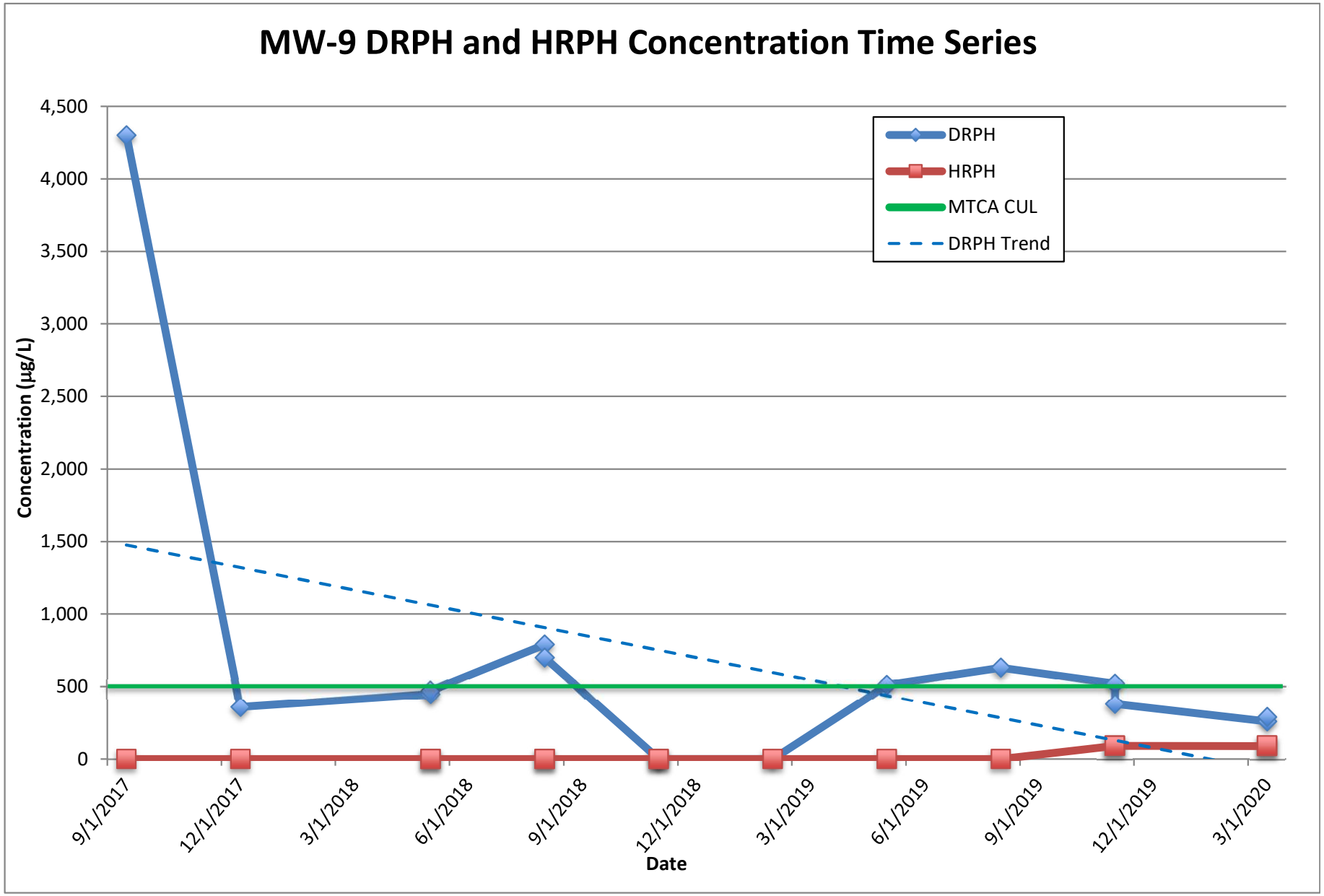
Comments/Resolution:_____

Project Manager Review: Jenni Gross **Date:** 03/05/20

Note: Whenever there is a discrepancy affecti ompliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: IJ

ATTACHMENT C
GROUNDWATER ANALYSIS TREND CHART


MW-9 DRPH and HRPH Concentration Time Series
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Concentration (µg/L)
DRPH
HRPH
MTCA CUL
DRPH Trend
9/1/2017
12/1/2017
3/1/2018
6/1/2018
9/1/2018
12/1/2018
3/1/2019
6/1/2019
9/1/2019
12/1/2019
3/1/2020
Date