



TECHNICAL MEMORANDUM

TO: Ryan Hardwick, Washington State Department of Ecology
FROM: Kalpana Prasad, GIT, and Dylan Frazer, LG, on behalf of the Port of Everett
DATE: August 31, 2026
RE: 2025 Periodic Review Groundwater Monitoring Report
North Marina West End Site
Everett, Washington
Landau Project No. 0147029.620

INTRODUCTION

This document has been prepared by Landau Associates, Inc. (Landau) to present the results of groundwater sampling and analysis for the Washington State Department of Ecology (Ecology) Periodic Review of the North Marina West End Site (Site) cleanup action located at the Port of Everett (Port) in Everett, Washington (Figure 1). A cleanup action was conducted at the Site under a Consent Decree (No. 11-2-10367-4) between the Port of Everett (Port) and Ecology. The cleanup action, as described in the Cleanup Action Plan (CAP; Ecology 2011), included long-term groundwater monitoring, which concluded in the fourth quarter of 2012 (Landau 2013). Ecology has requested that the Port conduct groundwater monitoring and prepare a report presenting the results to support Ecology's Periodic Review of the performance of the Site cleanup action. Groundwater monitoring was conducted in general accordance with the 5-Year Review Groundwater Monitoring Plan (GMP; Landau 2025), as described below. In addition, this technical memorandum documents well decommissioning conducted at the Site in 2025.

GROUNDWATER MONITORING

Groundwater monitoring consisted of minor rehabilitation of the wells and collection and analysis of groundwater samples to support Ecology's periodic review. Groundwater sampling was conducted at monitoring well MW-4, as suggested by Ecology in the most recent periodic review (Ecology 2021), as well as monitoring wells MW-11 and MW-11A so that event-specific contaminant reduction factors (CRFs) could be calculated. CRFs are used to estimate contaminant concentrations at the shoreline, the conditional point of compliance for the Site. Dissolved arsenic was the only parameter that was estimated to exceed the cleanup level at any of these monitoring well locations during long-term groundwater compliance monitoring; laboratory analysis was limited to this analyte consistent with conclusions during the recent periodic review. Groundwater monitoring was conducted during one dry season monitoring event (August 2025) and one wet season event (March 2026). All well locations are shown on Figure 2.

Well Reconnaissance and Redevelopment

Prior to collecting samples, well reconnaissance and redevelopment was conducted to improve connectivity between the monitoring well and the surrounding aquifer. A preliminary site reconnaissance was conducted in June 2025 to confirm that each monitoring well could be located; and redevelopment occurred on August 15, 2025. During this redevelopment, new tubing was installed at RI-MW-11 and RI-MW-4, and approximately 2 gallons of water (greater than one casing volume) was purged from the wells until turbidity decreased. No major blockages or plugs of soil were identified at any of the wells.

Purge water from redevelopment and groundwater sampling is currently stored on site in steel drums pending removal to a disposal facility by a designated waste handler.

Groundwater Sampling and Analysis

Groundwater samples were collected on August 27, 2025 and March 31, 2026. Sampling was conducted in accordance with the procedures established in Appendix G of the Remedial Investigation/Feasibility Study (RI/FS), West End Site Work Plan (Work Plan; Landau 2009) and Addendum No. 1 to the Work Plan (Landau 2010), with slight modifications to align with current best practices. These modifications include decreased drawdown stabilization criteria from 0.33 feet (ft) to 0.0 ft and the use of one set of confirmation parameters taken after sampling as opposed to four replicate measurements taken prior to sampling. The RI/FS Work Plan procedures include collecting the groundwater samples within 1 hour before and 1 hour after a low tide and collecting the samples from the upper 2 ft of the water column to avoid sampling within the saltwater wedge. At the angled well (RI-MW-11A), field parameters were measured prior to purging to estimate the depth of the freshwater and saltwater interface. Conductivity measurements recorded before sample collection at RI-MW-11A were 4,846 microSiemens per centimeter ($\mu\text{S}/\text{cm}$; August 2025) and 1,685 $\mu\text{S}/\text{cm}$ (March 2026), indicating that these samples were collected from above the freshwater/saltwater interface.

Samples were field-filtered, placed in laboratory-supplied sample containers, and submitted to ALS Laboratory in Everett, Washington for analysis of dissolved arsenic in August of 2025, and to the ALS Laboratory in Kelso, Washington in March of 2026.

Results

The results of groundwater monitoring consisting of dissolved arsenic results and field parameter measurements for the 2025–2026 periodic review, the 2019 5-year review, and historical data from 2009, 2010, and 2012 are presented in Table 1. The data are compared to the dissolved arsenic Site cleanup level of 5 micrograms per liter ($\mu\text{g}/\text{L}$). Laboratory data reports were validated using quality assurance procedures presented in the GMP. No data qualifiers were necessary for the data collected in 2025 and 2026, indicating the data are appropriate for evaluating compliance. The laboratory analytical reports are provided in Appendix A; sample collection forms generated in the field are stored electronically and are available for review upon request.

Contaminant Reduction Factor

A CRF is calculated using data collected at the Site for each monitoring event and is subsequently used to estimate contaminant concentrations in groundwater at the conditional point of compliance, which is the groundwater/surface water interface. Table 1 includes presentation of a calculated CRF for each groundwater monitoring event and an estimated arsenic concentration at the conditional point of compliance after applying the CRF. The CRF was calculated using procedures used during long-term groundwater monitoring, which was most recently presented in the December 2013 Compliance Monitoring Report (Landau 2013). These procedures consist of calculating an initial reduction factor ($[\text{concentration at RI MW 11}]/[\text{concentration at RI-MW-11A}]$), then squaring this initial reduction factor to calculate a total concentration reduction factor between vertical wells and the groundwater/surface water interface. This total concentration reduction factor applied at all wells, with the exception of angled well RI-MW-11A. Because the location of angled well RI-MW-11A is already half the distance to the shoreline, the initial concentration factor ($[\text{concentration at RI-MW-11}]/[\text{concentration at RI-MW-11A}]$) was used to calculate adjusted concentrations seaward of RI-MW-11A.

Dissolved Arsenic

Dissolved arsenic was detected RI-MW-4, RI, MW-11 and RI-MW-11A during both monitoring events. Arsenic concentrations were greater than the cleanup level of 5 µg/L for both events at all sampling locations except for the sample collected at RI-MW-11A in August of 2025 (1.5 µg/L). Dissolved arsenic concentrations at vertical wells were 58.9 µg/L and 61 µg/L (RI-MW-4), and 40 µg/L and 51.5 µg/L (RI-MW-11). At the angled well seaward of RI-MW-11, dissolved arsenic concentrations were 1.5 µg/L and 26.6 µg/L.

Estimated dissolved arsenic concentrations at the conditional point of compliance, which was calculated by applying the CRF at each well, indicated dissolved arsenic concentrations ranging between 0.056 µg/L and 15.7 µg/L. The estimated arsenic concentrations at all three wells were below the cleanup levels for the August 2025 monitoring event and above the cleanup levels for the late March 2026 monitoring event.

Discussion

Based on the monitoring data and using the CRF as discussed above, dissolved arsenic was estimated to be below the cleanup level at the conditional point of compliance in the vicinity of all sampled monitoring wells (RI-MW-4, and RI-MW-11, and RI-MW-11A) during the August 2025 monitoring event. Estimated dissolved arsenic concentrations in March 2026 were above cleanup levels at the conditional point of compliance in the vicinity of the same sampled wells; these estimated concentrations ranged from 13.7 µg/L to 15.7 µg/L.

The detected arsenic concentrations at all three monitoring wells were within the range of the detected concentrations collected since 2010. In addition, calculated concentrations at the point of compliance are extremely sensitive to the detected concentration at MW-11A, which varied significantly between the 2025 dry season (August 2025) and 2026 wet season (March 2026) event. However, historically low

detections at MW-11A do not appear to correlate with the season in which monitoring is conducted; the lowest three detected concentrations since 2010 were in August (2026; 1.5 µg/L), April (2010; 5.5 µg/L), and September (2019; 7.3 µg/L).

The CRF provides a conservative estimate of the groundwater concentration at the point of discharge to surface water; previous surface water quality monitoring has documented that surface water concentrations of arsenic at the point of groundwater discharge to surface water are well below the Site groundwater cleanup level. Also, as discussed in the CAP, the point of discharge for groundwater to surface water remains about 12 ft north of the angled well, and both the amount of dispersion and the degree of oxygenation is anticipated to increase significantly between RI-MW-11A and the shoreline; the impact of increased oxygenation is likely to have a significant impact on dissolved arsenic concentrations. The Port's continued development at the Site will increase the amount of low-permeability surfacing, which is anticipated to reduce surface water infiltration and further decrease the flow of groundwater through soils in the interior of the Site. Based on these considerations and data presented in this report, Landau recommends that future monitoring continue to be conducted during the subsequent periodic review in coordination with Ecology.

WELL DECOMMISSIONING

In addition to groundwater monitoring, activity at the Site included the decommissioning of 14 monitoring wells no longer utilized for groundwater monitoring. These wells were decommissioned by Holocene Drilling in accordance with the Washington Administrative Code (WAC 173-160-381); the casings and monuments were removed, and the boreholes were backfilled with bentonite. RI-MW-1, RI-MW-2, RI-MW-3, RI-MW-5, RI-MW-6, RI-MW-7, RI-MW-8, RI-MW-9, RI-MW-10, RI-MW-13, RI-MW-14, RI-MW-16, RI-MW-17 and RI-MW-18 were decommissioned between October 27, 2025 and November 4, 2025. Well decommissioning records, notices of intent and the original installation drillers logs can be found in Attachment B.

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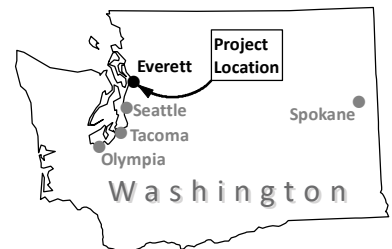
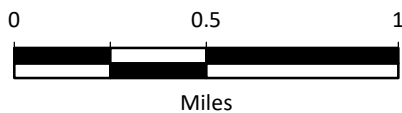
Attachments

- Figure 1. Vicinity Map
- Figure 2. Groundwater Monitoring Locations
- Table 1. West End Analytical Table
- Appendix A. Laboratory Analytical Reports
- Appendix B. Well Decommissioning Logs

References

- Ecology. 2011. Cleanup Action Plan, North Marina West End Site, Everett, Washington. Washington State Department of Ecology, Toxics Cleanup Program, Olympia, Washington. August 16.
- Ecology. 2021. Periodic Review: North Marina West End, Farrington Place & Ballard Street, Everett, WA 98201, Facility Site ID#: 3306834, Cleanup Site ID#: 934. Washington State Department of Ecology. January.
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- Landau. 2010. Technical Memorandum: RI/FS Work Plan West End Site Addendum No. 1, Groundwater Quality Monitoring at Conditional Point of Compliance, Port of Everett, Washington. Landau Associates, Inc. March 8.
- Landau. 2013. Report: 4Q12 Compliance Monitoring, North Marina West End Site, Everett, Washington. Landau Associates, Inc. December 6.
- Landau. 2025. Technical Memorandum: 2025 Periodic Review Groundwater Monitoring Plan, North Marina West End Site, Everett, Washington. Landau Associates, Inc. July 15.

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Data Source: Esri 2012

North Marina West End Site
Everett, Washington

Vicinity Map

Figure
1



Legend

- Groundwater Compliance Monitoring Sample Location
- Previous Groundwater Compliance Monitoring Location
- Decommissioned Monitoring Well Location
- Previous Direct-Push Groundwater Grab Sample Location
- Everett Shipyard RI Sediment Location
- Post Dredge Minor Contour (2' Interval, MLLW)
- Post Dredge Major Contour (10' Interval, MLLW)
- West End Site Boundary
- Approximate Boundary of Leasehold
- Bathymetry (MLLW) Based on Data Collected in 2003 & 2004
- Harbor Line and River Center Line

Note

1. At locations where lube oil was analyzed, diesel and gasoline range petroleum hydrocarbons were also analyzed but were not detected.

Data Source: Google Earth (2026); Elevation Contours, Harbor Line, and Centerline of Snohomish River: Port of Everett Hydrographic Survey of Tall Ship Moorage; Post Dredge Elevation Contours (2005, PND Engineers)

North Marina West End Site
Everett, Washington

Groundwater Monitoring Locations

Figure
2

Table 1
West End Analytical Table
Port of Everett
Everett, Washington

se	Task	Sample Type	Lab Sample ID	Date	Dissolved Metals (µg/L; EPA 200.8)		Field Parameters						
					Arsenic	Arsenic (reduction factor applied)	pH	Cond (µS/cm)	Turbidity (NTU)	DO mg/L	Temp (°C)	ORP (mv)	Fe2+ (mg/L)
Cleanup Levels				N/A	5	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calculated Reduction Factor (d,e)	Remedial Investigation			4/1/2010	N/A	25.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				5/14/2010	N/A	25.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				1/9/2012	N/A	3.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Long-Term Compliance Monitoring			4/23/2012	N/A	3.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				7/31/2012	N/A	4.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				10/19/2012	N/A	2.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				4/25/2019	N/A	13.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5-Yr GWM			9/26/2019	N/A	30.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				8/27/2025	N/A	711	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				3/31/2026	N/A	3.75	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW-4	RI Groundwater Samples	N	PD51B	6/17/2009	7.3	--	7.80	225	12.75	2.82	12.32	-45.2	2.0
		N	PP11D	9/17/2009	22.4	--	6.30	1,082	66.92	1.31	15.69	-151.4	3.0
		N	QR08F	4/1/2010	8.6	0.34 (a)	7.80	1,540	417.2	0.32	9.81	-154.8	--
	LTCM Groundwater Samples	N	UD98G	01/09/2012	37.8	9.9	7.36	673	613	1.56	9.79	-191.0	--
		N	UR56C	4/23/2012	37.9	11.0	5.99	1,288	27.3	0.44	9.93	-181.2	--
		N	VE42C	7/31/2012	40.6	9.3	6.89	795	low (b)	0.11	14.7	--	--
		N	VO41C	10/19/2012	38.4	14.8	7.03	653	low (b)	0.64	15.4	-110.6	--
	5-Yr GWM	N	EV19040170-01	4/23/2019	84	6.4	6.83	2,667	low (b)	2.65	10.7	-45.8	--
		FD	EV19040170-02	4/23/2019	88	6.7	6.83	2,675	low (b)	2.63	10.7	-46.5	--
		N	EV19090205-05	9/26/2019	120	4.0	7.32	934	N/A	0.13	17.3	-59.7	--
		N	EV25080119-04	8/27/2025	61	0.086	7.2	4,871	5.46	0.17	19.2	-131.4	--
		FD	EV25080119-01	8/27/2025	58	0.082	--	--	--	--	--	--	--
		N	K2603225-002	3/31/2026	58.9	15.7	7.05	6,505	0.02	0.21	10.3	-9.8	--
		FD	K2603225-004	3/31/2026	58.7	15.7	7.06	6,422	0.02	0.2	10.2	-13.4	--

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Port of Everett
Everett, Washington

se	Task	Sample Type	Lab Sample ID	Date	Dissolved Metals (µg/L; EPA 200.8)		Field Parameters						
					Arsenic	Arsenic (reduction factor applied)	pH	Cond (µS/cm)	Turbidity (NTU)	DO mg/L	Temp (°C)	ORP (mv)	Fe2+ (mg/L)
Cleanup Levels				N/A	5	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calculated Reduction Factor (d,e)	Remedial Investigation			4/1/2010	N/A	25.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				5/14/2010	N/A	25.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				1/9/2012	N/A	3.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Long-Term Compliance Monitoring			4/23/2012	N/A	3.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				7/31/2012	N/A	4.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				10/19/2012	N/A	2.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				4/25/2019	N/A	13.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	5-Yr GWM			9/26/2019	N/A	30.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				8/27/2025	N/A	711	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				3/31/2026	N/A	3.75	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW-11	RI Groundwater Samples	N	PD51I	6/18/2009	61.8	--	8.19	346	18.06	2.95	13.65	-90.8	2.2
		FD	PD51J	6/18/2009	58.7	--	8.19	346	18.06	2.95	13.65	-90.8	2.2
		N	PP11K	9/18/2009	51.2	--	6.68	1,980	70.77	3.55	17.73	-123.3	5.0
		FD	PP11U	9/18/2009	--	--	6.68	1,980	70.77	3.55	17.73	-123.3	5.0
		N	QR08I	4/1/2010	50.3	2.0 (a)	7.5	1,612	4.41	0.33	10.32	-123.3	--
		FD	QR08A	4/1/2010	49.8	2.0 (a)	--	--	--	--	--	--	--
		N	QW56C	5/14/2010	48	1.9 (a)	8.25	3,220	--	0.02	12.31	-142.8	--
		FD	QW56B	5/14/2010	51	2.0 (a)	--	--	--	--	--	--	--
	LTCM Groundwater Samples	N	UD98A	01/09/2012	33.2	8.7	7.82	1,554	9.19	0.45	10.72	-139.3	--
		N	UR56E	4/23/2012	31.6	9.1	6.57	1,632	50.3	0.31	11.37	-101.5	--
		N	VE42E	7/31/2012	45.5	10.4	6.89	1,338	low (b)	0.25	14.8	--	--
		N	VO41E	10/19/2012	37	14.3	6.61	1,078	low (b)	0.63	15.61	-122.1	--
	5-Yr GWM	N	EV19040170-03	4/25/2019	32	2.4	6.53	2,286	low (b)	1.74	11.1	-87.9	--
		N	EV19090205-02	9/26/2019	40	1.3	6.63	1,679	low (b)	4.14	16.9	-44.9	--
		N	EV25080119-02	8/27/2025	40	0.06	6.67	1,819	7.49	0.13	19.3	-155.1	--
		N	K2603225-001	3/31/2026	51.5	13.7	6.67	1,848	3.59	0.18	10.1	-95.7	--

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Port of Everett
Everett, Washington

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					Arsenic	Arsenic (reduction factor applied)	pH	Cond (µS/cm)	Turbidity (NTU)	DO mg/L	Temp (°C)	ORP (mv)	Fe2+ (mg/L)	
Cleanup Levels				N/A	5	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Calculated Reduction Factor (d,e)	Remedial Investigation			4/1/2010	N/A	25.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
				5/14/2010	N/A	25.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
				1/9/2012	N/A	3.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Long-Term Compliance Monitoring			4/23/2012	N/A	3.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
				7/31/2012	N/A	4.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
				10/19/2012	N/A	2.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
				5-Yr GWM			4/25/2019	N/A	13.2	N/A	N/A	N/A	N/A	N/A
	9/26/2019	N/A	30.0				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	8/27/2025	N/A	711				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3/31/2026	N/A	3.75				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW-11A	RI Groundwater Samples	N	QR07A	4/1/2010	6.1	1.2 (a)	7.13	3,614	--	0.97	11.34	-49.4	--	
		N	QW56D	5/14/2010	9	1.8 (a)	7.39	2,593	--	0.25	12.25	-64	--	
		N	QR07B	4/1/2010	5.5	1.1 (a)	7.06	3,155	--	7.06	10.46	-61.8	--	
	LTCM Groundwater Samples	N	UD98B	01/09/2012	17.0	8.7	6.32	2,791	80.7	2.18	9.17	-139.4	--	
		FD	UD98C	01/09/2012	--	--	--	--	--	--	--	--	--	
		N	UR56F	4/23/2012	16.8	9.0	6.72	1,236	61.5	0.51	12.98	-96.8	--	
		FD	UR56J	4/23/2012	17.0	9.1	--	--	--	--	--	--	--	
		N	VE42F	7/31/2012	21.8	10.4	6.96	1,313	low (b)	0.25	16.9	--	--	
		FD	VE42J	7/31/2012	21.2	10.2	6.96	1,313	low (b)	0.25	16.9	--	--	
		N	VO41F	10/19/2012	18 J	11.2	6.38	13,576	low (b)	0.51	13.6	-47.0	--	
		FD	VO41J	10/19/2012	23 J	14.3	--	--	--	--	--	--	--	
		5-Yr GWM	N	EV19040170-04	4/25/2019	8.8	2.4	6.68	1,199	low (b)	4.07	10.8	0.3	--
			N	EV19090205-01	9/26/2019	7.3	1.3	6.57	1,321	high (b)	4.77	16.0	73.0	--
	N		EV25080119-03	8/27/2025	1.5	0.056	6.6	4,846	3.24	0.61	17.9	106.8	--	
	N		K2603225-003	3/31/2026	26.6	13.7	6.69	1,685	7.2	0.91	10.1	-85.6	--	

Table 1
West End Analytical Table
Port of Everett
Everett, Washington

Notes:

- Bold** text indicates detected analyte.
Green shading indicates concentration exceeds cleanup level.
U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J = Indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
(a) A reduction factor of 25 was applied to the arsenic concentrations for MW-1, MW-4, MW-12, and MW-13 groundwater samples collected during the RI. A reduction factor of 5 was applied to the arsenic concentration for MW-11A groundwater samples collected during the RI.
(b) Based on visual observation.
(c) A reduction factor of 25 was applied to the vinyl chloride concentration for MW-11 groundwater samples collected during the RI. A reduction factor of 5 was applied to the vinyl chloride concentration for MW-11A groundwater samples collected during the RI.
(d) The calculated reduction factor was determined based on the methods presented in Section 2.3 of the main text. Note that for arsenic and vinyl chloride groundwater data collected in April and May 2010 as part of the RI a reduction factor of 25 was used [see notes (a) and (b) above].
(e) The calculated reduction factor listed is applied to all sample locations except for MW-11A. For this location, the calculated reduction factor is determined by dividing the reported concentration for MW-11 by the reported concentration for MW-11A.

Acronyms/Abbreviations:

°C = degrees Celsius	FD = field duplicate	N/A = Not Applicable
µg/L = micrograms per liter	ID = Identification	NTU = nephelometric turbidity unit
µS/cm = micro Siemens per centimeter	Lab = laboratory	ORP = Oxidation Reduction Potential
-- = not analyzed	LTCM = Long-Term Compliance Monitoring	RI = Remedial Investigation
DO = dissolved oxygen	mg/L = milligrams per liter	SIM = Select Ion Monitoring
EPA = US Environmental Protection Agency	mv = millivolt	Temp = temperature
Fe2+ = ferrous iron	N = primary sample	5-Yr GWM = Five Year Review Groundwater Monitoring

Laboratory Analytical Reports



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August 29, 2025

Mr. Dylan Frazer
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Work Order: **EV25080119**

Laboratory Results for: **Port of Everett, West End / 147029.620.012**

Dear Mr.,

ALS Environmental received 4 sample(s) on Aug 27, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

//SR//

Generated By: DORINDA.MCCORMICK

Shawn Robinson
Project Manager

Client: Landau Associates, Inc.
Project: Port of Everett, West End / 147029.620.012
Work Order: EV25080119

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
EV25080119-01	R1-MW-DUP-250827	Water		27-Aug-2025 12:00	27-Aug-2025 16:36	☐
EV25080119-02	R1-MW-11-250827	Water		27-Aug-2025 13:06	27-Aug-2025 16:36	☐
EV25080119-03	R1-MW-11A-250827	Water		27-Aug-2025 13:10	27-Aug-2025 16:36	☐
EV25080119-04	R1-MW-4-250827	Water		27-Aug-2025 14:21	27-Aug-2025 16:36	☐

Client: Landau Associates, Inc.
Project: Port of Everett, West End / 147029.620.012
Work Order: EV25080119

CASE NARRATIVE

Metals by Method EPA-6020

Batch ID: 232295

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
-

Client:	Landau Associates, Inc.	ANALYTICAL REPORT
Project:	Port of Everett, West End / 147029.620.012	WorkOrder:EV25080119
Sample ID:	R1-MW-DUP-250827	Lab ID:EV25080119-01
Collection Date:	27-Aug-2025 12:00	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP/MS METALS ANALYSIS BY EPA-200.8			Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 28-Aug-2025	
(DISSOLVED)					Analyst: EBS	
Arsenic	58		1.0	UG/L	1	28-Aug-2025 17:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client:Landau Associates, Inc.

Project:Port of Everett, West End / 147029.620.012

Sample ID:R1-MW-11-250827

Collection Date:27-Aug-2025 13:06

ANALYTICAL REPORT

WorkOrder:EV25080119

Lab ID:EV25080119-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP/MS METALS ANALYSIS BY EPA-200.8			Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 28-Aug-2025	
(DISSOLVED)					Analyst: EBS	
Arsenic	40		1.0	UG/L	1	28-Aug-2025 18:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Landau Associates, Inc.	ANALYTICAL REPORT
Project:	Port of Everett, West End / 147029.620.012	WorkOrder:EV25080119
Sample ID:	R1-MW-11A-250827	Lab ID:EV25080119-03
Collection Date:	27-Aug-2025 13:10	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP/MS METALS ANALYSIS BY EPA-200.8			Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 28-Aug-2025	
(DISSOLVED)					Analyst: EBS	
Arsenic	1.5		1.0	UG/L	1	28-Aug-2025 18:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client:	Landau Associates, Inc.	ANALYTICAL REPORT
Project:	Port of Everett, West End / 147029.620.012	WorkOrder:EV25080119
Sample ID:	R1-MW-4-250827	Lab ID:EV25080119-04
Collection Date:	27-Aug-2025 14:21	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP/MS METALS ANALYSIS BY EPA-200.8			Method:EPA-6020 (dissolved)		Prep:EPA 3010 / 28-Aug-2025	
(DISSOLVED)					Analyst: EBS	
Arsenic	61		1.0	UG/L	1	28-Aug-2025 18:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Landau Associates, Inc.
Project: Port of Everett, West End / 147029.620.012
WorkOrder: EV25080119

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 232295 (0)		Test Name : ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED)			Matrix: Water	
EV25080119-01	R1-MW-DUP-250827	27 Aug 2025 12:00		28 Aug 2025 10:00	28 Aug 2025 17:59	1
EV25080119-02	R1-MW-11-250827	27 Aug 2025 13:06		28 Aug 2025 10:00	28 Aug 2025 18:01	1
EV25080119-03	R1-MW-11A-250827	27 Aug 2025 13:10		28 Aug 2025 10:00	28 Aug 2025 18:03	1
EV25080119-04	R1-MW-4-250827	27 Aug 2025 14:21		28 Aug 2025 10:00	28 Aug 2025 18:06	1

Client: Landau Associates, Inc.
Project: Port of Everett, West End / 147029.620.012
WorkOrder: EV25080119

QC BATCH REPORT

Batch ID: 232295 (0)		Instrument: ICPMS_130		Method: ICP/MS METALS ANALYSIS BY EPA-200.8 (DISSOLVED) (DISSOLVED)					
MBLK	Sample ID: MB-082825W	Units: UG/L		Analysis Date: 28-Aug-2025 17:26					
Client ID:	Run ID: ICPMS_130_520746		SeqNo: 9009061		PrepDate: 28-Aug-2025		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Arsenic	ND	1.0							

LCS	Sample ID: BS-082825W	Units: UG/L		Analysis Date: 28-Aug-2025 17:30					
Client ID:	Run ID: ICPMS_130_520746		SeqNo: 9009062		PrepDate: 28-Aug-2025		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Arsenic	121	1.0	125	0	96.8	89.1 - 110			

LCSD	Sample ID: BSD-082825W	Units: UG/L		Analysis Date: 28-Aug-2025 17:33					
Client ID:	Run ID: ICPMS_130_520746		SeqNo: 9009063		PrepDate: 28-Aug-2025		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Arsenic	123.8	1.0	125	0	99.0	89.1 - 110	121	2.24	10

The following samples were analyzed in this batch:

Client: Landau Associates, Inc.
Project: Port of Everett, West End / 147029.620.012
WorkOrder: EV25080119

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Data Qualifiers

- * Value exceeds Regulatory Limit
- a Not accredited
- B Analyte detected in the associated Method Blank above the Reporting Limit
- E Value above quantitation range
- H Analyzed outside of Holding Time
- J Analyte detected below quantitation limit
- M Manually integrated, see raw data for justification
- n Not offered for accreditation
- ND Not Detected at the Reporting Limit
- O Sample amount is > 4 times amount spiked
- P Dual Column results percent difference > 40%
- R RPD above laboratory control limit
- S Spike Recovery outside laboratory control limits
- U Analyzed but not detected above the MDL/SDL

Sample Receipt Checklist

Work Order ID: EV25080119

Date/Time Received: **27-Aug-2025 16:36**

Client Name: LAN01-EDMONDS

Received by: **Alison Freese**Completed By: /S/ Shawn Robinson

28-Aug-2025 09:59

Reviewed by:

eSignature

Date/Time

eSignature

Date/Time

Matrices: **Water**Carrier name: **Client**

Shipping container/cooler in good condition?

Yes ☒No ☐Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐No ☐Not Present ☒

Custody seals intact on sample bottles?

Yes ☐No ☐Not Present ☒

VOA/TX1005/TX1006 Solids in hermetically sealed vials?

Yes ☐No ☐Not Present ☒

Chain of custody present?

Yes ☒No ☐

Chain of custody signed when relinquished and received?

Yes ☒No ☐

Samplers name present on COC?

Yes ☒No ☐

Chain of custody agrees with sample labels?

Yes ☒No ☐

Samples in proper container/bottle?

Yes ☒No ☐

Sample containers intact?

Yes ☒No ☐

Sufficient sample volume for indicated test?

Yes ☒No ☐

All samples received within holding time?

Yes ☒No ☐

Container/Temp Blank temperature in compliance?

Yes ☐No ☒

Temperature(s)/Thermometer(s):

9.0c on ice

189

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

Water - VOA vials have zero headspace?

Yes ☐No ☐No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☒No ☐N/A ☐

pH adjusted?

Yes ☐No ☒N/A ☐

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

Chain-of-Custody Record

☒ North Seattle (206) 631-8660 ☐ Tacoma (253) 926-2493 ☐ Olympia (360) 791-3178	☐ Spokane (509) 327-9737 ☐ Portland (503) 542-1080 ☐ _____	Date <u>8/23/2025</u> Page <u>1</u> of <u>1</u>	Turnaround Time: ☒ Standard ☐ Accelerated
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Project Name Bot of Earth, West Eng Project No. 147029, 620, 012
Project Location/Event Event1, WA / 5 year Reuse by Season for
Sampler's Name Kalpana Prasad and Joey Jacklap
Project Contact Dylan Farzer
Send Results To D. Farzer, Elise Cronmald

EV25080119

Testing Parameters

Special Handling Requirements: _____

Shipment Method: Drop off

Stored on ice: Yes / No

Observations/Comments

Sample I.D.	Date	Time	Matrix	Containers
R1-WW - PUP-250827	8/27/27	1206	AQ	1
R1-WW - 11-250827		1306		1
R1-WW - 11A-250827		1310		1
R1-WW - 4-250827		1421		1

- Allow water samples to settle, collect aliquot from clear portion ☐
- NWT-PPH-DX - Acid wash cleanup ☐
 - Silica gel cleanup ☐

X Dissolved metal samples were field filtered

Other * Field filtered, preserved with HNO₃

Relinquished by Signature <u><i>[Signature]</i></u> Printed Name <u>Joey Locktrip</u> Company <u>London Associates</u> Date <u>8/27/25</u> Time <u>1636</u>	Received by Signature <u><i>[Signature]</i></u> Printed Name <u>ALFRESE</u> Company <u>ALIS</u> Date <u>08/27/2025</u> Time <u>1636</u>	Relinquished by Signature _____ Printed Name _____ Company _____ Date _____ Time _____	Received by Signature _____ Printed Name _____ Company _____ Date _____ Time _____
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SAMPLE RECEIVING CHECKLIST

Client: LANDAU ASSOCIATES ALS Job #: EVT5080119
Project: Port of Everett, West End Login Date: 08/27/2025
Login Time: 1630
Login By: AF

Type of Shipping Container: ☒ Cooler
☐ Box
☐ Other: _____

Shipped Via: ☐ FedEx Ground
☐ FedEx Express
☐ UPS
☐ External Courier
☐ ALS Courier
☒ Hand Delivered

	Yes	No	N/A
Were custody seals on the outside of the shipping container?	☐	☐	☒
How Many? _____ Where? _____ Date: _____ Name: _____			
Was CoC filled out properly? (in ink, signed, dated, etc.)	☒	☐	☐
Did all bottles have labels?	☒	☐	☐
Did all bottle labels and tags agree with CoC?	☒	☐	☐
Were samples received within hold time?	☒	☐	☐
Did all bottles arrive in good condition?	☒	☐	☐
Was sufficient amount of sample sent for tests requested?	☒	☐	☐
Was correct preservation added to samples?	☒	☐	☐
Subcontract test containers added to subcontract bin?	☐	☐	☒
Wetchem test containers marked with applicable tests?	☐	☐	☒
Short hold time test containers delivered to analysts?	☐	☐	☒
VOA vials checked for bubbles?	☐	☐	☒
Bubbles in sample number(s): _____			
5035A kits received?	☐	☐	☒
Low kits: _____ High kits: _____			
5035A kits returned?	☐	☐	☒

Low kits: _____ High kits: _____

Temperature upon receipt: 9.0 °C

On ice? ☒ Y ☐ N

Thermometer ID: 189

Other discrepancies:

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____
Outcome of call:

ALS Environmental – Everett
8620 Holly Dr. STE 100
Everett, WA 98012
(425) 356 - 2600

Document ID: EVT-PM-RCPT
Version 1.1



April 08, 2026

Service Request No:K2603225

Dylan Frazer
Landau Associates, Inc.
130 2nd Ave. South
Edmonds, WA 98020

Laboratory Results for: Port of Everett West End

Dear Dylan,

Enclosed are the results of the sample(s) submitted to our laboratory April 01, 2026
For your reference, these analyses have been assigned our service request number **K2603225**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3261. You may also contact me via email at Hayleigh.Smith@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Hayleigh Smith
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: Landau Associates, Inc.
Project: Port of Everett West End
Sample Matrix: Water

Service Request: K2603225
Date Received: 04/01/2026

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Four water samples were received for analysis at ALS Environmental on 04/01/2026. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

Approved by 

Date 04/08/2026



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: R1-MW-11-260331				Lab ID: K2603225-001		
Analyte	Results	Flag	MDL	MRL	Units	Method
Arsenic, Dissolved	51.5			0.50	ug/L	200.8
CLIENT ID: R1-MW-4-260331				Lab ID: K2603225-002		
Analyte	Results	Flag	MDL	MRL	Units	Method
Arsenic, Dissolved	58.9			0.50	ug/L	200.8
CLIENT ID: R1-MW-11A-260331				Lab ID: K2603225-003		
Analyte	Results	Flag	MDL	MRL	Units	Method
Arsenic, Dissolved	26.6			0.50	ug/L	200.8
CLIENT ID: R1-MW-Dup-260331				Lab ID: K2603225-004		
Analyte	Results	Flag	MDL	MRL	Units	Method
Arsenic, Dissolved	58.7			0.50	ug/L	200.8



Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: Landau Associates, Inc.
Project: Port of Everett West End/147029.020.

Service Request:K2603225

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
K2603225-001	R1-MW-11-260331	3/31/2026	1030
K2603225-002	R1-MW-4-260331	3/31/2026	1036
K2603225-003	R1-MW-11A-260331	3/31/2026	1135
K2603225-004	R1-MW-Dup-260331	3/31/2026	1136

Cooler Receipt and Preservation Form

PM

H8

Client Landau Service Request K26 03225
 Received: 4/1/26 Opened: 4/1/26 By: hm Unloaded: 4/1/26 By: hm

1. Samples were received via? USPS Courier Hand Delivered
 2. Samples were received in: (circle) Cooler Box Envelope Other NA
 3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp Indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filled
3.4	2.7	IP02					

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:

If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":

5. Were samples received within the method specified temperature ranges?

NA Y N
NA Y N

If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM.

If applicable, tissue samples were received: Frozen Partially Thawed Thawed

6. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves

7. Were custody papers properly filled out (ink, signed, etc.)?

NA Y N

8. Were samples received in good condition (unbroken)

NA Y N

9. Were all sample labels complete (ic, analysis, preservation, etc.)?

NA Y N

10. Did all sample labels and tags agree with custody papers?

NA Y N

11. Were appropriate bottles/containers and volumes received for the tests indicated?

NA Y N

12. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below

NA Y N

13. Were VOA vials received without headspace? Indicate in the table below.

NA Y N

14. Was C12/Res negative?

NA Y N

15. Were samples received within method specified time limit? If not, notate the error below and notify the PM.

NA Y N

16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head- space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time
B1-MW-11-260331	250mL			X	HNO3	1mL	BE1-76-1	hm	1610
B1-MW-11A-260331	↓			X	↓	↓	↓	hm	↓

Notes, Discrepancies, Resolutions: _____



Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value over the calibration range.
- J The result is an estimated value between the MDL and the MRL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Website	Number
Alaska DEC	https://dec.alaska.gov/spar/csp/lab-approval/	17-004
Arizona DHS	https://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php	AZ0339
Arkansas DEQ	https://www.adeq.state.ar.us/techsvs/lab_cert/	88-00637
California WB (ELAP)	https://www.waterboards.ca.gov/drinking_water/certlic/labs/index.html	2795
DOD ELAP	https://www.denix.osd.mil/edqw/accreditation/accreditedlabs/	65188
Florida DOH	https://www.floridahealth.gov/licensing-regulations/regulated-facilities/environmental-laboratories/	E87412
ISO 17025	https://www.pjlabs.com/	65188
Louisiana DEQ	https://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHHS	https://www.maine.gov/dhhs/mecdc/services/business-services/laboratory-accreditation	WA01276
Minnesota DOH	https://www.health.state.mn.us/communities/environment/mnelap	053-999-457
Nevada DEP	https://ndep.nv.gov/water/lab-certification	WA01276
New Jersey DEP	https://dep.nj.gov/dsr/oqa/certified-laboratories/	WA005
New York DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://www.deq.nc.gov/about/divisions/water-resources/water-sciences/chemistry-laboratory/laboratory-certification-branch/non-field-lab-certification	WA01276
Ohio EPA	https://epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters	87776
Oregon DEQ (NELAP)	https://www.oregon.gov/oha/PH/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DES	https://des.sc.gov/permits-regulations/laws-regulations-regulatory-updates/environmental-regulations/environmental-laboratory-certification	61002
Texas CEQ	https://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704427
Washington DOE	https://ecology.wa.gov/regulations-permits/permits-certifications/laboratory-accreditation	C544
ALS Solutions	https://solutions.alsglobal.com/	NA

Analyses were performed in accordance with our laboratory's NELAP-approved Quality Assurance Program. A complete listing of NELAP and other certified analytes is available in ALS Solutions. For initial access to ALS Solutions, please contact your ALS Project Manager. If samples are submitted for compliance purposes, please consult the applicable certification and/or accreditation body's website. States highlighted above require that the specific method/analyte be included on the state certification when used for compliance purposes and when that method/analyte is offered by the state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Landau Associates, Inc.
Project: Port of Everett West End/147029.020.

Service Request: K2603225

Sample Name: R1-MW-11-260331
Lab Code: K2603225-001
Sample Matrix: Water

Date Collected: 03/31/26
Date Received: 04/1/26

Analysis Method
200.8

Extracted/Digested By
MCHATTICK

Analyzed By
ABOYER

Sample Name: R1-MW-4-260331
Lab Code: K2603225-002
Sample Matrix: Water

Date Collected: 03/31/26
Date Received: 04/1/26

Analysis Method
200.8

Extracted/Digested By
MCHATTICK

Analyzed By
ABOYER

Sample Name: R1-MW-11A-260331
Lab Code: K2603225-003
Sample Matrix: Water

Date Collected: 03/31/26
Date Received: 04/1/26

Analysis Method
200.8

Extracted/Digested By
MCHATTICK

Analyzed By
ABOYER

Sample Name: R1-MW-Dup-260331
Lab Code: K2603225-004
Sample Matrix: Water

Date Collected: 03/31/26
Date Received: 04/1/26

Analysis Method
200.8

Extracted/Digested By
MCHATTICK

Analyzed By
ABOYER



Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com



Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Landau Associates, Inc.
Project: Port of Everett West End/147029.020.
Sample Matrix: Water

Sample Name: R1-MW-11-260331
Lab Code: K2603225-001

Service Request: K2603225
Date Collected: 03/31/26 10:30
Date Received: 04/01/26 14:00

Basis: NA

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	200.8	51.5	ug/L	0.50	1	04/06/26 18:28	04/06/26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Landau Associates, Inc.
Project: Port of Everett West End/147029.020.
Sample Matrix: Water
Sample Name: R1-MW-4-260331
Lab Code: K2603225-002

Service Request: K2603225
Date Collected: 03/31/26 10:36
Date Received: 04/01/26 14:00
Basis: NA

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	200.8	58.9	ug/L	0.50	1	04/06/26 18:30	04/06/26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Landau Associates, Inc.
Project: Port of Everett West End/147029.020.
Sample Matrix: Water
Sample Name: R1-MW-11A-260331
Lab Code: K2603225-003

Service Request: K2603225
Date Collected: 03/31/26 11:35
Date Received: 04/01/26 14:00
Basis: NA

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	200.8	26.6	ug/L	0.50	1	04/06/26 18:32	04/06/26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Landau Associates, Inc.
Project: Port of Everett West End/147029.020.
Sample Matrix: Water
Sample Name: R1-MW-Dup-260331
Lab Code: K2603225-004

Service Request: K2603225
Date Collected: 03/31/26 11:36
Date Received: 04/01/26 14:00
Basis: NA

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	200.8	58.7	ug/L	0.50	1	04/06/26 18:39	04/06/26	



QC Summary Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com



Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Landau Associates, Inc.
Project: Port of Everett West End/147029.020.
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: KQ2605379-01

Service Request: K2603225
Date Collected: NA
Date Received: NA
Basis: NA

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	200.8	ND U	ug/L	0.50	1	04/06/26 17:46	04/06/26	

ALS Group USA, Corp.
dba ALS Environmental
QA/QC Report

Client: Landau Associates, Inc.
Project: Port of Everett West End/147029.020.
Sample Matrix: Water

Service Request: K2603225
Date Analyzed: 04/06/26

Lab Control Sample Summary
Dissolved Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2605379-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic	200.8	52.0	50.0	104	85-115

Well Decommissioning Logs



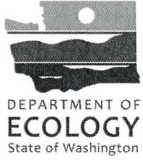
Notice of Intent to Decommission a Well

Notice Number

AE89867

This form and required fees **MUST BE RECEIVED** by the Department of Ecology **72 HOURS BEFORE** you decommission a well.

1. Property Owner				
Name Port Of Everett				
Mailing Address PO Box 538		City Everett	State WA	Zip Code 98206
2. Consulting Firm (if applicable)				
Business Name				
Mailing Address		City	State	Zip Code
Email Address		Phone Number		
3. Well Site Location				
County Name Snohomish		Tax Parcel Number 29051800210400		
Street Address Millwright Loop N		City Everett	State WA	Zip Code 98201
Township 29N	Range 5E	Section 18	¼ (within 160 acres) NW	¼ - ¼ (within 40 acres) SE
Latitude Degrees		Longitude Degrees		
4. Project Details				
Estimated Start Date 10/27/2025		Project Name P25328	Well Count 6 ✓ OK	
Well Type: Monitoring		Original NOI No.:	Decommissioned Well Tag:	
5. Driller Details				
Professional Name [Architect Engineer Surveyor] (if applicable)			License Number	
Drilling Company Name HOLOCENE DRILLING		Phone Number (253) 848-6500		
Licensed Driller Name TYLER SAGON		Driller License Number 3394		
Comments				
6. Fee Summary				
Total amount due: \$120.00				
Remit payment to: Department of Ecology Cashiering Unit, P.O. Box 47611, Olympia WA 98504-7611 OR Pay online at https://apps.wa.gov/wellconstruction/Wells/NoticeOfIntentPaymentRequest.aspx				
Notice Status		Date	Confirmation Cash Journal Number	
Pending		10/24/2025 11:00:33 AM		



Notice of Intent to Decommission a Well

Notice Number

AE89868

This form and required fees **MUST BE RECEIVED** by the Department of Ecology **72 HOURS BEFORE** you decommission a well.

1. Property Owner				
Name Port Of Everett				
Mailing Address PO Box 538		City Everett	State WA	Zip Code 98206
2. Consulting Firm (if applicable)				
Business Name				
Mailing Address		City	State	Zip Code
Email Address		Phone Number		
3. Well Site Location				
County Name Snohomish		Tax Parcel Number 2905180020 ⁹⁶⁰⁰ ~~9800~~		
Street Address Millwright Loop N		City Everett	State WA	Zip Code 98201
Township 29N	Range 5E	Section 18	¼ (within 160 acres) NW	¼ - ¼ (within 40 acres) SE
Latitude Degrees		Longitude Degrees		
4. Project Details				
Estimated Start Date 10/27/2025		Project Name P25328		Well Count 3
Well Type: Monitoring		Original NOI No.:		Decommissioned Well Tag:
5. Driller Details				
Professional Name [Architect Engineer Surveyor] (if applicable)			License Number	
Drilling Company Name HOLOCENE DRILLING		Phone Number (253) 848-6500		
Licensed Driller Name TYLER SAGON		Driller License Number 3394		
Comments				
6. Fee Summary				
Total amount due: \$60.00				
Remit payment to: Department of Ecology Cashiering Unit, P.O. Box 47611, Olympia WA 98504-7611 OR Pay online at https://apps.wa.gov/ecology/wellconstruction/Wells/NoticeOfIntentPaymentRequest.aspx				
Notice Status		Date		Confirmation Cash Journal Number
Pending		10/24/2025 11:17:14 AM		



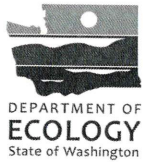
Notice of Intent to Decommission a Well

Notice Number

AE89872

This form and required fees **MUST BE RECEIVED** by the Department of Ecology **72 HOURS BEFORE** you decommission a well.

1. Property Owner				
Name Port Of Everett				
Mailing Address PO Box 538		City Everett	State WA	Zip Code 98206
2. Consulting Firm (if applicable)				
Business Name				
Mailing Address		City	State	Zip Code
Email Address		Phone Number		
3. Well Site Location				
County Name Snohomish		Tax Parcel Number 29051800209800		
Street Address Millwright Loop N		City Everett	State WA	Zip Code 98201
Township 29N	Range 5E	Section 18	¼ (within 160 acres) NW	¼ - ¼ (within 40 acres) SE
Latitude Degrees		Longitude Degrees		
4. Project Details				
Estimated Start Date 10/27/2025		Project Name P25328	Well Count 3 <i>ok</i>	
Well Type: Monitoring		Original NOI No.:	Decommissioned Well Tag:	
5. Driller Details				
Professional Name [Architect Engineer Surveyor] (if applicable)			License Number	
Drilling Company Name HOLOCENE DRILLING		Phone Number (253) 848-6500		
Licensed Driller Name TYLER SAGON		Driller License Number 3394		
Comments				
6. Fee Summary				
Total amount due: \$60.00				
Remit payment to: Department of Ecology Cashiering Unit, P.O. Box 47611, Olympia WA 98504-7611 OR Pay online at https://apps.wa.ecology.wa.gov/wellconstruction/Wells/NoticeOfIntentPaymentRequest.aspx				
Notice Status Pending		Date 10/24/2025 12:08:44 PM		Confirmation Cash Journal Number



Notice of Intent to Decommission a Well

Notice Number

AE89873

This form and required fees **MUST BE RECEIVED** by the Department of Ecology **72 HOURS BEFORE** you decommission a well.

1. Property Owner				
Name Port Of Everett				
Mailing Address PO Box 538		City Everett	State WA	Zip Code 98206
2. Consulting Firm (if applicable)				
Business Name				
Mailing Address		City	State	Zip Code
Email Address		Phone Number		
3. Well Site Location				
County Name Snohomish		Tax Parcel Number 29051800209300		
Street Address Millwright Loop N		City Everett	State WA	Zip Code 98201
Township 29N	Range 5E	Section 18	¼ (within 160 acres) NW	¼ - ¼ (within 40 acres) SE
Latitude Degrees		Longitude Degrees		
4. Project Details				
Estimated Start Date 10/27/2025		Project Name P25328		Well Count 2
Well Type: Monitoring		Original NOI No.:		Decommissioned Well Tag:
5. Driller Details				
Professional Name [Architect Engineer Surveyor] (if applicable)			License Number	
Drilling Company Name HOLOCENE DRILLING		Phone Number (253) 848-6500		
Licensed Driller Name TYLER SAGON		Driller License Number 3394		
Comments				
6. Fee Summary				
Total amount due: \$40.00				
Remit payment to: Department of Ecology Cashiering Unit, P.O. Box 47611, Olympia WA 98504-7611 OR Pay online at https://apps.ecology.wa.gov/wellconstruction/Wells/NoticeOfIntentPaymentRequest.aspx				
Notice Status Pending		Date 10/24/2025 12:10:31 PM		Confirmation Cash Journal Number

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission $\Rightarrow$ Original NOI No. RE 03297

Ecology Well ID Tag No. BBK 277 (MW3)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAUN, MARTIN

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89867

Type of Well:

☒ Resource Protection Well

☐ Remediation Well

☐ Geotechnical Soil Boring

☐ Environmental Boring

☐ Soil- ☐ Vapor- ☐ Water-sampling

☐ Injection Point

☐ Grounding Well

☐ Ground Source Heat Pump

☐ Other _____

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800210400

Location (see instructions):

WWM ☐ or EWM ☒

SE $\frac{1}{4}$ - $\frac{1}{4}$, NW $\frac{1}{4}$, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.001366

Longitude (Example: -120.12345) -122.223008

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

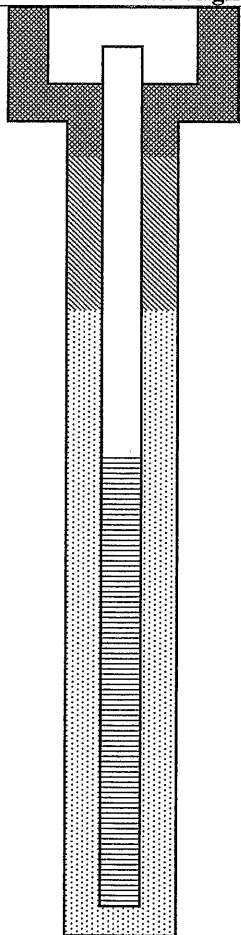
Static water level 3' ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

$\hookrightarrow$ Stick-up of top of well casing _____ ft above ground surface

Start Date 10/28/25 Completed Date 10/28/25

Construction Design



Well Data

MONUMENT TYPE:

Flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 15'

Driller's Log

FORMATION NOT OBSERVED -
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
☒ Decommission $\Rightarrow$ Original NOI No. RE03297
Ecology Well ID Tag No. BBK 279 (MW2)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAWN, MARTIN

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89867

Type of Well:

☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
 $\hookrightarrow$ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800210400

Location (see instructions): WWM ☐ or EWM ☒

SE $\frac{1}{4}$ - $\frac{1}{4}$, NW $\frac{1}{4}$, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.001051

Longitude (Example: -120.12345) -122.223046
(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

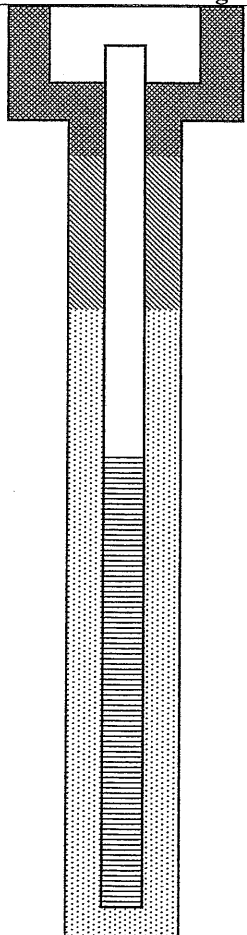
Static water level 3.9 ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

$\hookrightarrow$ Stick-up of top of well casing _____ ft above ground surface

Start Date 10/28/25 Completed Date 10/28/25

Construction Design



Well Data

MONUMENT TYPE:

flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 15'

Driller's Log

FORMATION NOT OBSERVED -
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES/NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission ⇒ Original NOI No. AE03297

Ecology Well ID Tag No. BBK 280 (MW1)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Hawn, Martin

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89867

Type of Well:

☒ Resource Protection Well

☐ Remediation Well

☐ Geotechnical Soil Boring

☐ Environmental Boring

☐ Injection Point

☐ Grounding Well

☐ Ground Source Heat Pump

☐ Other _____

☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800210400

Location (see instructions):

WWM ☐ or EWM ☒

SE ¼-¼, NW ¼, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.000723

Longitude (Example: -120.12345) -122.223069

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter _____ inches

Static water level 4.5 ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

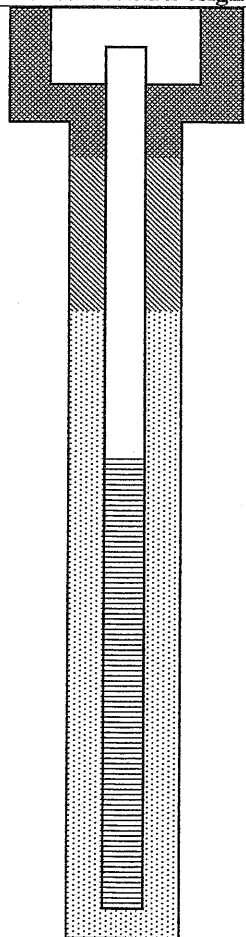
☒ Stick-up of top of well casing _____ ft above ground surface

Start Date 10/28/25 Completed Date 10/28/25

Construction Design

Well Data

Driller's Log



MONUMENT TYPE:

flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 15'

FORMATION NOT OBSERVED – WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

☐ WELL WAS CHIPPED/GROUTED IN PLACE

☒ ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP



Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission $\Rightarrow$ Original NOI No. RE03297

Ecology Well ID Tag No. BBK 281 (MW1)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Hawn, Martin

Driller/Engineer/Trainee Signature MA

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89867

Type of Well:

☒ Resource Protection Well

☐ Remediation Well

☐ Geotechnical Soil Boring

☐ Environmental Boring

☐ Soil- ☐ Vapor- ☐ Water-sampling

☐ Injection Point

☐ Grounding Well

☐ Ground Source Heat Pump

☐ Other _____

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800210400

Location (see instructions):

WWM ☐ or EWM ☒

SE $\frac{1}{4}$ - $\frac{1}{4}$, NW $\frac{1}{4}$, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.00069

Longitude (Example: -120.12345) -122.22281

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

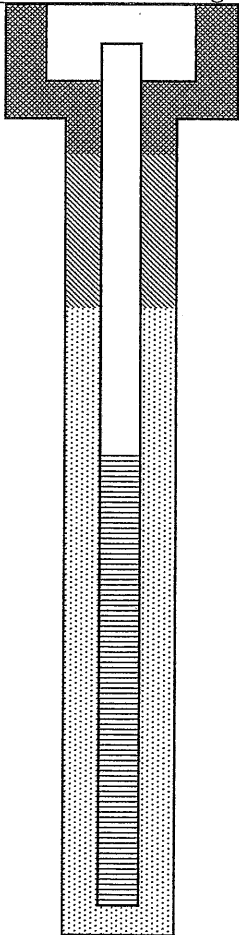
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

☒ Stick-up of top of well casing _____ ft above ground surface

Start Date 11/3/25 Completed Date 11/3/25

Construction Design



Well Data

MONUMENT TYPE:

flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 9'

Driller's Log

FORMATION NOT OBSERVED -
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP



Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission $\Rightarrow$ Original NOI No. RE 03297

Ecology Well ID Tag No. BBK 278 (MW6)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Hawn, Martin

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89867

Type of Well:

☒ Resource Protection Well

☐ Remediation Well

☐ Geotechnical Soil Boring

☐ Environmental Boring

☐ Soil- ☐ Vapor- ☐ Water-sampling

☐ Injection Point

☐ Grounding Well

☐ Ground Source Heat Pump

☐ Other _____

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800210400

Location (see instructions):

WWM ☐ or EWM ☒

SE $\frac{1}{4}$ - $\frac{1}{4}$, NW $\frac{1}{4}$, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.00133

Longitude (Example: -120.12345) -122.22272

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

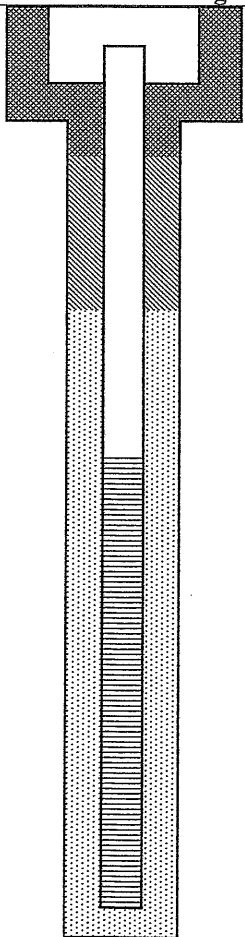
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

☒ Stick-up of top of well casing _____ ft above ground surface

Start Date 11/3/25 Completed Date 11/3/25

Construction Design



Well Data

MONUMENT TYPE:

flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 9'

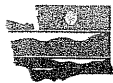
Driller's Log

FORMATION NOT OBSERVED –
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP



Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission ⇒ Original NOI No. RE 03297

Ecology Well ID Tag No. BAF 364 (MW5)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Hawn, Martin

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89867

Type of Well:

☒ Resource Protection Well

☐ Remediation Well

☐ Geotechnical Soil Boring

☐ Environmental Boring

☐ Soil- ☐ Vapor- ☐ Water-sampling

☐ Injection Point

☐ Grounding Well

☐ Ground Source Heat Pump

☐ Other _____

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800210400

Location (see instructions):

WWM ☐ or EWM ☒

SE ¼-¼, NW ¼, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.00155

Longitude (Example: -120.12345) -122.22242

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

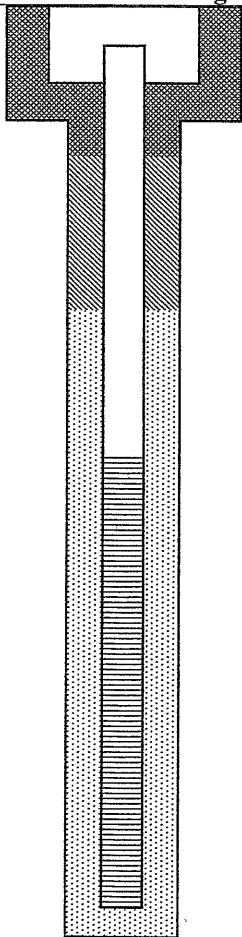
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

☒ Stick-up of top of well casing _____ ft above ground surface

Start Date 11/3/25 Completed Date 11/3/25

Construction Design



Well Data

MONUMENT TYPE:

Flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 15'

Driller's Log

FORMATION NOT OBSERVED –
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES/ NO YES

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

- ☐ Construction
☒ Decommission $\Rightarrow$ Original NOI No. RE 03297

Ecology Well ID Tag No. BAF 365 (MW17)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAWN, MARTIN

Driller/Engineer/Trainee Signature MA

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89873

Type of Well:

- ☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
 $\hookrightarrow$ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800209300

Location (see instructions):

WWM ☐ or EWM ☒

SE $\frac{1}{4}$ - $\frac{1}{4}$, NW $\frac{1}{4}$, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.00073

Longitude (Example: -120.12345) -122.21995

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

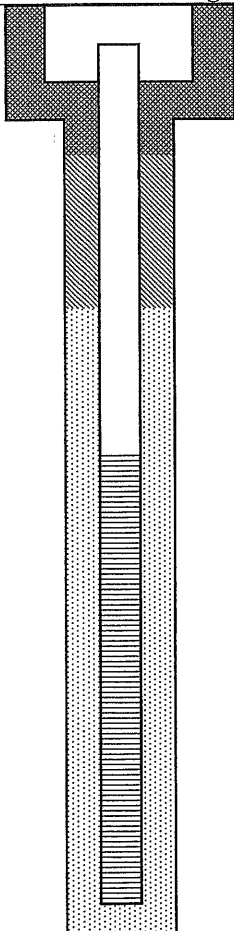
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

$\hookrightarrow$ Stick-up of top of well casing _____ ft above ground surface

Start Date 11/3/25 Completed Date 11/3/25

Construction Design



Well Data

MONUMENT TYPE:

flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 15'

Driller's Log

FORMATION NOT OBSERVED -
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
☒ Decommission ⇒ Original NOI No. REO 3297

Ecology Well ID Tag No. BAF 361 (mw18)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAUN, MARTIN

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89873

Type of Well:

☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800209300

Location (see instructions): WWM ☐ or EWM ☒

SE ¼-¼, NW ¼, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.00040

Longitude (Example: -120.12345) -122.21990

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

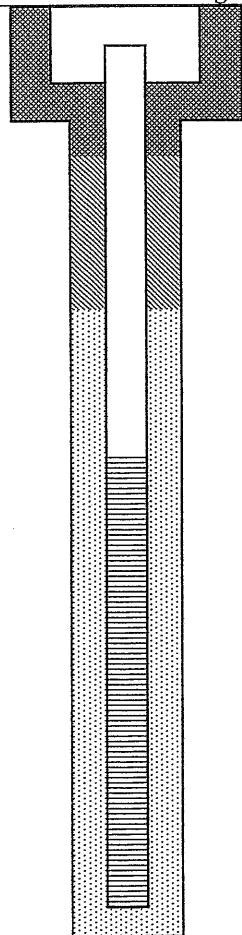
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 11/3/25 Completed Date 11/3/25

Construction Design



Well Data

MONUMENT TYPE:

flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 9'

Driller's Log

FORMATION NOT OBSERVED – WELL WAS DECOMMISSIONED

REMOVED MONUMENT: ☒ YES / ☐ NO

☐ WELL WAS CHIPPED/GROUTED IN PLACE

☒ ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission ⇒ Original NOI No. RE03297

Ecology Well ID Tag No. BBK 282 (mw10)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAUN, MARTIN

Driller/Engineer/Trainee Signature HA

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89872

Type of Well:

☒ Resource Protection Well

☐ Injection Point

☐ Remediation Well

☐ Grounding Well

☐ Geotechnical Soil Boring

☐ Ground Source Heat Pump

☐ Environmental Boring

☐ Other _____

↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett

County Snohomish

Tax Parcel No. 29051800209800

Location (see instructions):

WWM ☐ or EWM ☒

SE ¼-¼, NW ¼, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.000671

Longitude (Example: -120.12345) -122.1221778

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter 1.75 inches

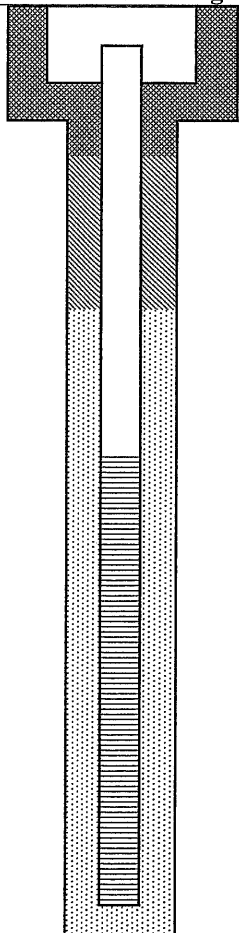
Static water level 5' ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 10/28/25 Completed Date 10/28/25

Construction Design



Well Data

MONUMENT TYPE:

flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 9'

Driller's Log

FORMATION NOT OBSERVED -
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
☒ Decommission ⇒ Original NOI No. RE03297
Ecology Well ID Tag No. BAF 362 (MW9)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAUN, MARTIN

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89872

Type of Well:

☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
↳ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800209800

Location (see instructions): WWM ☐ or EWM ☒

SE ¼-¼, NW ¼, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.000647

Longitude (Example: -120.12345) -122.221026

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

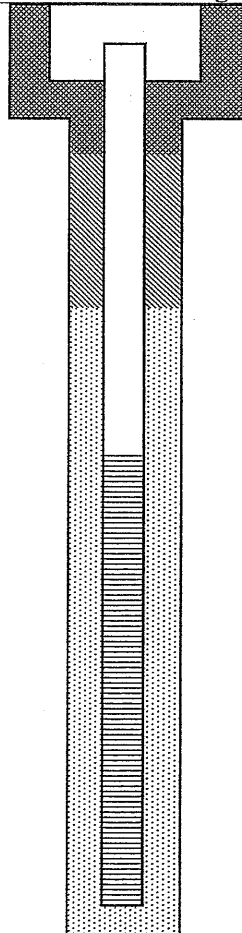
Static water level 5 ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

↳ Stick-up of top of well casing _____ ft above ground surface

Start Date 10/28/25 Completed Date 10/28/25

Construction Design



Well Data

MONUMENT TYPE:

flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 9'

Driller's Log

FORMATION NOT OBSERVED – WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES/ NO (D) NO

☐ WELL WAS CHIPPED/GROUTED IN PLACE

☒ ALL CASING WAS REMOVED AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
☒ Decommission $\Rightarrow$ Original NOI No. RE03297
Ecology Well ID Tag No. BAF 363 (MW8)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) Hawn, Martin

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89872

Type of Well:

☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____

$\hookrightarrow$ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 29051800209800

Location (see instructions): WWM ☐ or EWM ☒

SE $\frac{1}{4}$ - $\frac{1}{4}$, NW $\frac{1}{4}$, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.001077

Longitude (Example: -120.12345) -122.221850

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

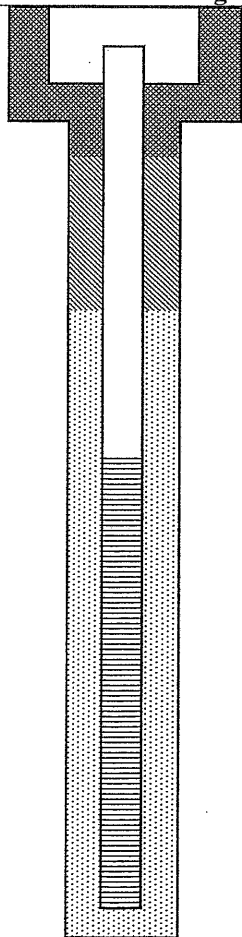
Static water level 4.2 ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

$\hookrightarrow$ Stick-up of top of well casing _____ ft above ground surface

Start Date 10/28/25 Completed Date 10/28/25

Construction Design



Well Data

MONUMENT TYPE:

Flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 9'

Driller's Log

FORMATION NOT OBSERVED –
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES ☒ / NO ☐

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission $\Rightarrow$ Original NOI No. RE03297

Ecology Well ID Tag No. BAF 357 (MW14)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAWN, MARTIN

Driller/Engineer/Trainee Signature [Signature]

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89868

Type of Well:

☒ Resource Protection Well

☐ Remediation Well

☐ Geotechnical Soil Boring

☐ Environmental Boring

☐ Injection Point

☐ Grounding Well

☐ Ground Source Heat Pump

☐ Other _____

☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 2905180020 9600

Location (see instructions):

WWM ☐ or EWM ☒

SE 1/4-1/4, NW 1/4, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.00150

Longitude (Example: -120.12345) -122.21911

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

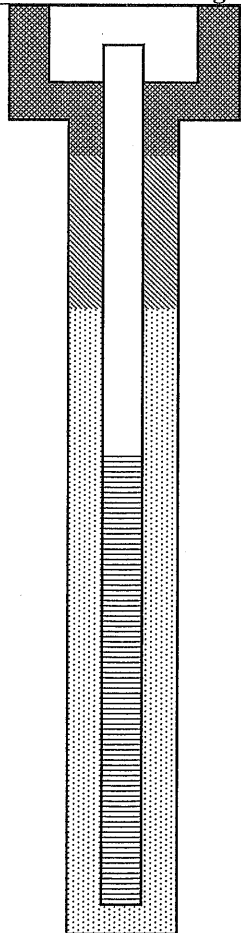
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

☒ Stick-up of top of well casing _____ ft above ground surface

Start Date 11/3/25 Completed Date 11/3/25

Construction Design



Well Data

MONUMENT TYPE:

Flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 15'

Driller's Log

FORMATION NOT OBSERVED -
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction

☒ Decommission $\Rightarrow$ Original NOI No. RE03297

Ecology Well ID Tag No. BAF 359 (MW 13)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAWN, MARTIN

Driller/Engineer/Trainee Signature MA

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89868

Type of Well:

☒ Resource Protection Well

☐ Remediation Well

☐ Geotechnical Soil Boring

☐ Environmental Boring

☐ Soil- ☐ Vapor- ☐ Water-sampling

☐ Injection Point

☐ Grounding Well

☐ Ground Source Heat Pump

☐ Other _____

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 2905180020 9600

Location (see instructions):

WWM ☐ or EWM ☒

SE $\frac{1}{4}$ - $\frac{1}{4}$, NW $\frac{1}{4}$, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.00151

Longitude (Example: -120.12345) -122.21973

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

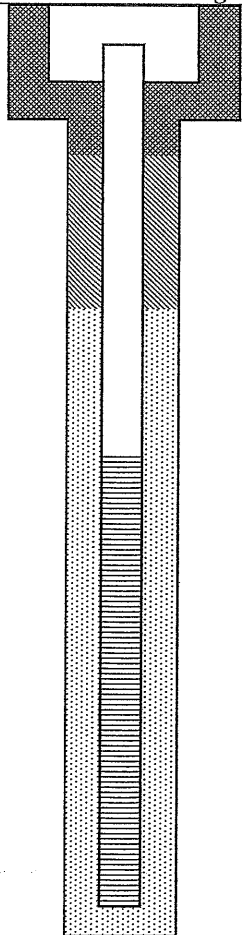
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

$\hookrightarrow$ Stick-up of top of well casing _____ ft above ground surface

Start Date 11/3/25 Completed Date 11/3/25

Construction Design



Well Data

MONUMENT TYPE:

Flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 15'

Driller's Log

FORMATION NOT OBSERVED –
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES / NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

Type of Work:

☐ Construction
☒ Decommission $\Rightarrow$ Original NOI No. RE03297
Ecology Well ID Tag No. BAF 355 (MWIL)

Site Well Name _____

Consulting Firm _____

Was a variance approved for this well/boring? ☐ Yes ☒ No

If yes, what was the variance for? _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) HAWN, MARTIN

Driller/Engineer/Trainee Signature MA

License No. 2827

Company Name Holocene Drilling

If trainee box is checked, sponsor's license number: _____

Sponsor's signature _____

Notice of Intent No. AE89868

Type of Well:

☒ Resource Protection Well ☐ Injection Point
☐ Remediation Well ☐ Grounding Well
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump
☐ Environmental Boring ☐ Other _____
 $\hookrightarrow$ ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner Port of Everett

Well Street Address Millwright Loop N

City Everett County Snohomish

Tax Parcel No. 2905180020 9600

Location (see instructions): WWM ☐ or EWM ☒

SE $\frac{1}{4}$ - $\frac{1}{4}$, NW $\frac{1}{4}$, Section 18 Town 29N Range 5E

Latitude (Example: 47.12345) 48.00125

Longitude (Example: -120.12345) -122.21985

(WGS 84 Coordinate System)

Borehole diameter _____ inches Casing diameter .75 inches

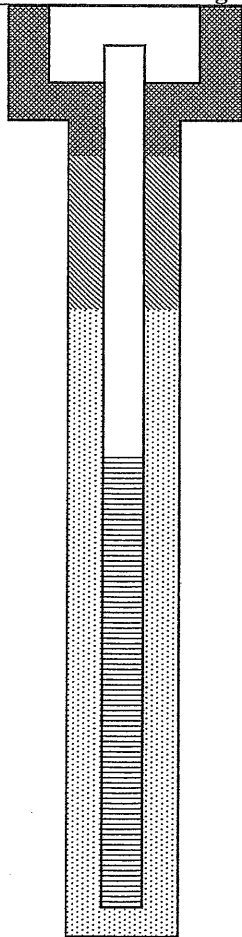
Static water level _____ ft below top of casing Date _____

☐ Above-ground completion with bollards ☒ Flush monument

$\hookrightarrow$ Stick-up of top of well casing _____ ft above ground surface

Start Date 11/4/25 Completed Date 11/4/25

Construction Design



Well Data

MONUMENT TYPE:

Flush

PVC BLANK: _____

SCREEN: _____

WELL DEPTH: 9'

Driller's Log

FORMATION NOT OBSERVED –
WELL WAS DECOMMISSIONED

REMOVED MONUMENT: YES NO

☐ WELL WAS CHIPPED/GROUTED
IN PLACE

☒ ALL CASING WAS REMOVED
AND BACKFILLED BOTTOM UP

RI-MW-16

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. REF 3297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well ID Tag No. BAF-361 (mw18)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Hann, Martin
Driller/Engineer /Trainee Signature [Signature]
Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____
Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

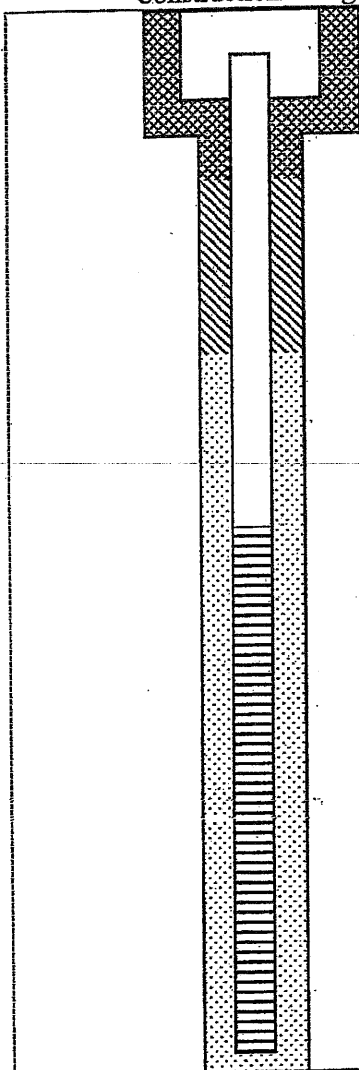
Work/Decommission Start Date 22 APR 09

Work/Decommission Completed Date 22 APR 09

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" FLUSH MOUNT

CONCRETE SURFACE SEAL:

φ-1'

ANNULAR SPACE: 3'

BACKFILL: 1'-3'

TYPE: BENTONITE

PVC BLANK: φ-4'

SCREEN: 4'-9'

SLOT SIZE: φ10

TYPE: 3/4" PREPACK PVC SCH 40

SAND PACK: 3'-9'

MATERIAL: 20/40 SILICA SAND

DRILLING METHOD: DIRECT PUSH

WELL DEPTH: 9'

BORING DIAMETER: _____

φ-3'
BRN SAND w/ GRAVEL
3'-9'
DK GRAY MED/FINE SAND

SCALE: 1"= _____ PAGE 8 OF 18

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORTCURRENT Notice of Intent No. RE03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☒ Construction☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: _____

Consulting Firm Landau AssociatesUnique Ecology Well ID Tag No. BAF-365 (MW17)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ TraineeName (Print Last, First Name) Haun, MartinDriller/Engineer/Trainee Signature M. HaunDriller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: _____

Type of Well ("x" in box)

☒ Resource Protection☐ Geotech Soil BoringProperty Owner Port of EverettSite Address W Marine View Drive & 13th StreetCity Everett County SnohomishLocation SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05EWM ☒ or WWM ☐Lat/Long (s, t, r) Lat Deg _____ Min _____ Sec _____
still REQUIRED) Long Deg _____ Min _____ Sec _____

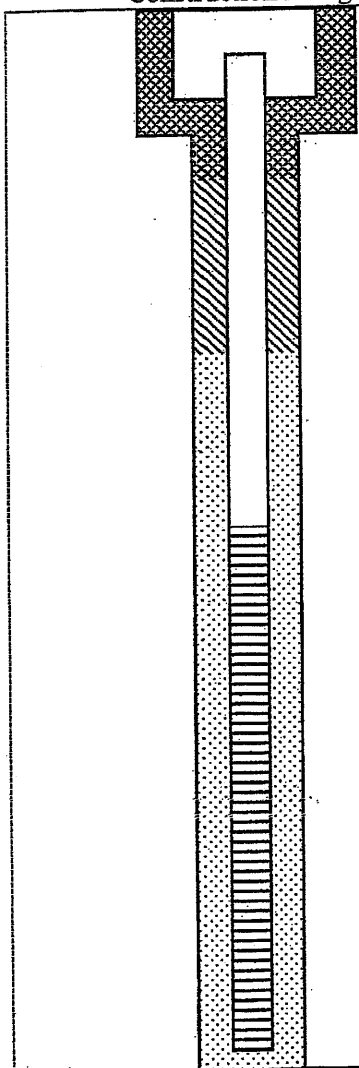
Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'Work/Decommission Start Date 22 APR 09Work/Decommission Completed Date 22 APR 09

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" FLUSH MOUNT

CONCRETE SURFACE SEAL:

φ-1'ANNULAR SPACE: 3'BACKFILL: 1'-6'TYPE: BENTONITEPVC BLANK: φ-5'SCREEN: 5'-15'SLOT SIZE: 1/8"TYPE: 3/4" PREPACK PVC SCH 40SAND PACK: 6'-15'MATERIAL: 20/40 SILT SANDDRILLING METHOD: DIRECT PUSHWELL DEPTH: 15'

BORING DIAMETER: _____

φ-8'
BRN MED SAND
8'-15'
DK GREY MED/FINE SANDSCALE: 1"= _____ PAGE 12 OF 18

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. 2203297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well IDTag No. BBK 282 (MW10)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r) Lat Deg _____ Min _____ Sec _____
still REQUIRED) Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

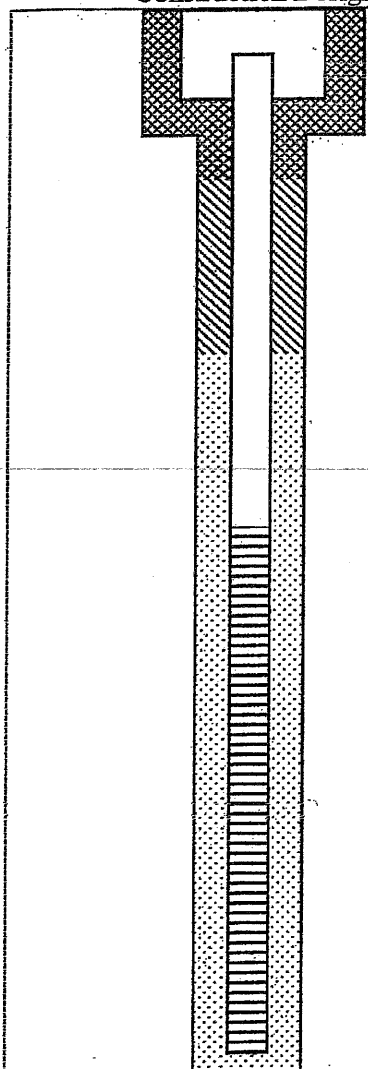
Work/Decommission Start Date 23 APR 09

Work/Decommission Completed Date 23 APR 09

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" FLUSH MOUNT

CONCRETE SURFACE SEAL:

φ-1'

ANNULAR SPACE: 3'

BACKFILL: 1'-3'

TYPE: BENTONITE

PVC BLANK: φ-4'

SCREEN: 4'-9'

SLOT SIZE: φ10

TYPE: 3/4" PREPACED PVC S4 40

SAND PACK: 3'-9'

MATERIAL: 20/40 SILICA SAND

DRILLING METHOD: DIRECT PUSH

WELL DEPTH: 9'

BORING DIAMETER: _____

φ-7'
BKN SAND w/ GRAVEL
7'-9'
DK GRAY MED/FINE SAND

SCALE: 1"= _____ PAGE 18 OF 18

RI-MW-17

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE 03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well IDTag No. BAF-362 (MW9)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Hann, Martin
Driller/Engineer /Trainee Signature [Signature]
Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r) Lat Deg _____ Min _____ Sec _____
still REQUIRED) Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

Work/Decommission Start Date 22 APR 09

Work/Decommission Completed Date 22 APR 09

Construction Design

Well Data

Formation Description

	MONUMENT TYPE: <u>8" FLUSH MOUNT</u> CONCRETE SURFACE SEAL: <u>φ-1'</u> ANNULAR SPACE: <u>3'</u> BACKFILL: <u>1'-3'</u> TYPE: <u>BENTONITE</u> PVC BLANK: <u>φ-4'</u> SCREEN: <u>4'-9'</u> SLOT SIZE: <u>φ10</u> TYPE: <u>3/4" PREPACK PVC SCH 40</u> SAND PACK: <u>3'-9'</u> MATERIAL: <u>20/40 SILICA SAND</u> DRILLING METHOD: <u>DIRECT PUSH</u> WELL DEPTH: <u>9'</u> BORING DIAMETER: _____	<u>φ-7'</u> BRN SAND w/ GRAVEL <u>7'-9'</u> DK GRAY MED/FINE SAND
--	---	---

SCALE: 1"= _____ PAGE 9 OF 18

RI-MW-18

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE 03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well ID Tag No. BAF 363 (mw 8)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Hann, Martin

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____
Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

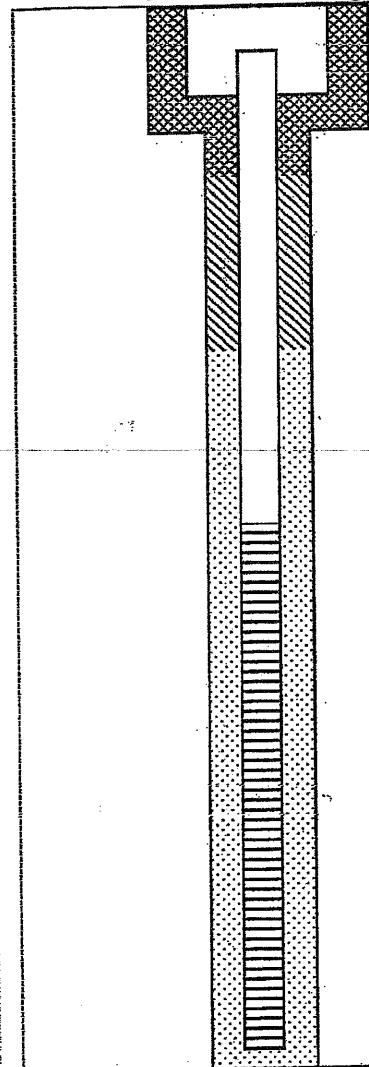
Work/Decommission Start Date 22 APR 09

Work/Decommission Completed Date 22 APR 09

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" FLUSH MOUNT

CONCRETE SURFACE SEAL:

φ-1'

ANNULAR SPACE: 3'

BACKFILL: 1'-3'

TYPE: BENTONITE

PVC BLANK: φ-4'

SCREEN: 4'-9'

SLOT SIZE: φ1φ

TYPE: 3/4" PREPACK PVC SCH 40

SAND PACK: 3'-9'

MATERIAL: 2#40 SILICA SAND

DRILLING METHOD: DIRECT PUSH

WELL DEPTH: 9'

BORING DIAMETER: _____

φ-5'
BRN SAND w/ GRAVEL
5'-9'
DK GRAY MED/FINE SAND

SCALE: 1"= _____ PAGE 10 OF 18

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: _____

Consulting Firm Landau Associates

Unique Ecology Well ID Tag No. BBK 277 (MW3)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Haun, Martin
Driller/Engineer /Trainee Signature [Signature]
Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: _____

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____
Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

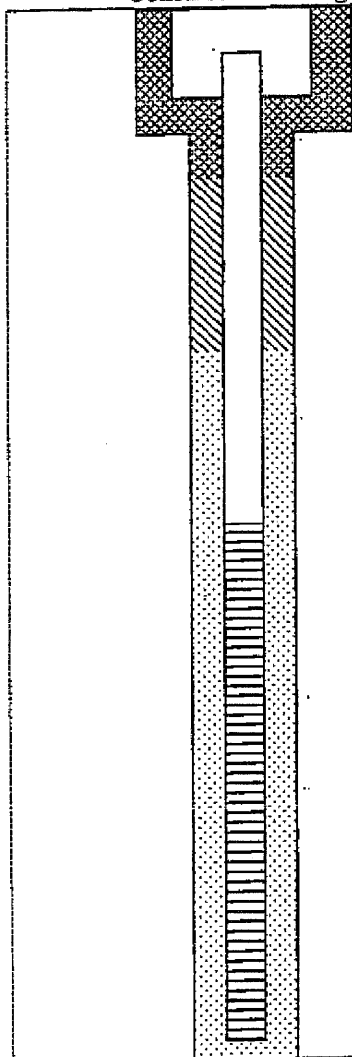
Work/Decommission Start Date 22 APR 09

Work/Decommission Completed Date 22 APR 09

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" FLUSH MOUNT

CONCRETE SURFACE SEAL:

φ-1'

ANNULAR SPACE: 3'

BACKFILL: 1'-6'

TYPE: BENTONITE

PVC BLANK: φ-5'

SCREEN: 5'-15'

SLOT SIZE: 10/10

TYPE: 3/4" PREPACK PVC SCH 40

SAND PACK: 6'-15'

MATERIAL: 20/40 SILT SAND

DRILLING METHOD: DIRECT PUSH

WELL DEPTH: 15'

BORING DIAMETER: _____

φ-5'
BRN SAND W/ GRAVEL
5'-15'
DK GRAY MCD/FINE SAND

RECEIVED

MAY 11 2009

Washington State
Department of Ecology

SCALE: 1"= _____ PAGE 13 OF 18

RI-MW-5

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORTCURRENT Notice of Intent No. RE03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Port of EverettSite Address W Marine View Drive & 13th StreetCity Everett County SnohomishLocation SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____
 Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'Work/Decommission Start Date 23 APR 09Work/Decommission Completed Date 23 APR 09Consulting Firm Landau AssociatesUnique Ecology Well ID Tag No. B3K 279 (MW2)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ TraineeName (Print Last, First Name) Hann, MartinDriller/Engineer/Trainee Signature [Signature]Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Construction Design

Well Data

Formation Description

	MONUMENT TYPE: <u>8" FLUSH MOUNT</u> CONCRETE SURFACE SEAL: <u>Ø-1'</u> ANNULAR SPACE: <u>3'</u> BACKFILL: <u>1'-6'</u> TYPE: <u>BENTONITE</u> PVC BLANK: <u>Ø-5'</u>	<u>Ø-4'</u> <u>BRA SAND w/ GRAVEL</u> <u>4'-15'</u> <u>DK GRAY MED/FINE SAND</u>
	SCREEN: <u>5'-15'</u> SLOT SIZE: <u>1Ø1Ø</u> TYPE: <u>3/4" PREPACK PVC SCH 40</u> SAND PACK: <u>6'-15'</u> MATERIAL: <u>20/40 SILT SAND</u> DRILLING METHOD: <u>DIRECT PUSH</u> WELL DEPTH: <u>15'</u> BORING DIAMETER: _____	

SCALE: 1"= _____ PAGE 15 OF 18

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RB03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: _____

Consulting Firm Landau Associates

Unique Ecology Well IDTag No. BBK 280 (mw1)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer /Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number: _____

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____
Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

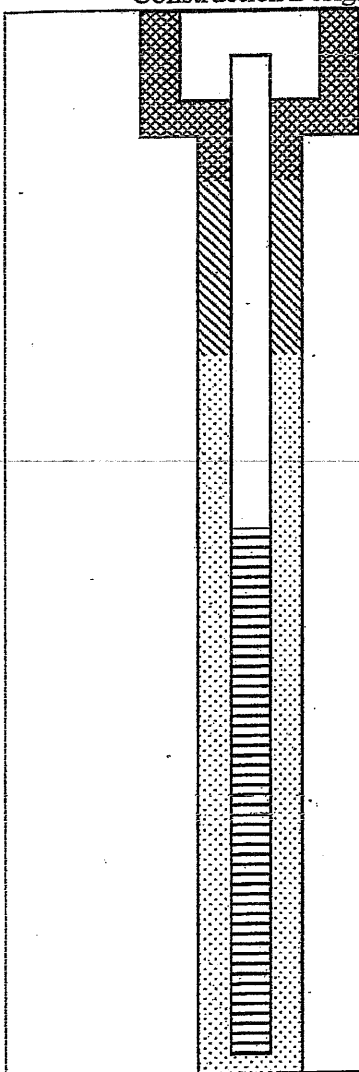
Work/Decommission Start Date 23 APR 09

Work/Decommission Completed Date 23 APR 09

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" FLUSH MOUNT

CONCRETE SURFACE SEAL:

0-1'

ANNULAR SPACE: 3'

BACKFILL: 1'-6'

TYPE: BENTONITE

PVC BLANK: 0-5'

SCREEN: 5'-15'

SLOT SIZE: 10/10

TYPE: 3/4" PREPACK PVC SPLIT 40

SAND PACK: 6'-15'

MATERIAL: 20/40 SIFT SAND

DRILLING METHOD: DIRECT PUGIT

WELL DEPTH: 15'

BORING DIAMETER: _____

0-6'
BRA SAND w/ GRAVEL
6'-15'
DK GRAY MED/FINE SAND

SCALE: 1"= _____ PAGE 16 OF 18

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well ID Tag No. BBK 281 (mw7)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Haun, Martin

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r) Lat Deg _____ Min _____ Sec _____

still REQUIRED) Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

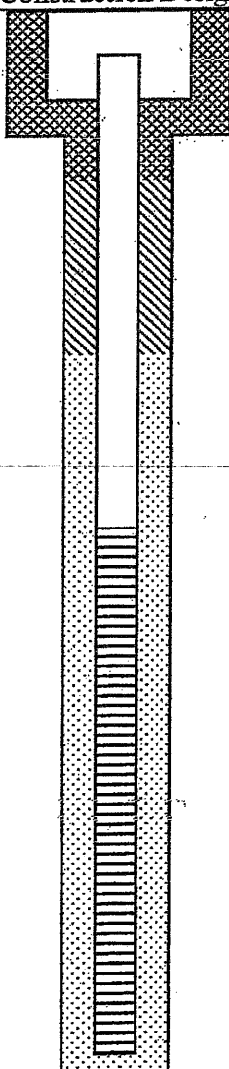
Work/Decommission Start Date 23 APR 09

Work/Decommission Completed Date 23 APR 09

Construction Design

Well Data

Formation Description

	MONUMENT TYPE: <u>B" FLUSH MOUNT</u> CONCRETE SURFACE SEAL: <u>φ - 1'</u> ANNULAR SPACE: <u>3'</u> BACKFILL: <u>1'-3'</u> TYPE: <u>BENTONITE</u> PVC BLANK: <u>φ - 4'</u>	<u>φ - 6'</u> BRN SAND w/ GRAVEL <u>6'-9'</u> DK GRAY MED/FINE SAND
	SCREEN: <u>4'-9'</u> SLOT SIZE: <u>φ 1φ</u> TYPE: <u>3/4" PREPACK PVC SCH 40</u> SAND PACK: <u>3'-9'</u> MATERIAL: <u>2#40 SILICA SAND</u> DRILLING METHOD: <u>DIRECT PUSH</u> WELL DEPTH: <u>9'</u> BORING DIAMETER: _____	

SCALE: 1"= _____ PAGE 17 OF 18

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well IDTag No. BBK 278 (MUG)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Hann, Martin
Driller/Engineer/Trainee Signature [Signature]
Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r) Lat Deg _____ Min _____ Sec _____
still REQUIRED) Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

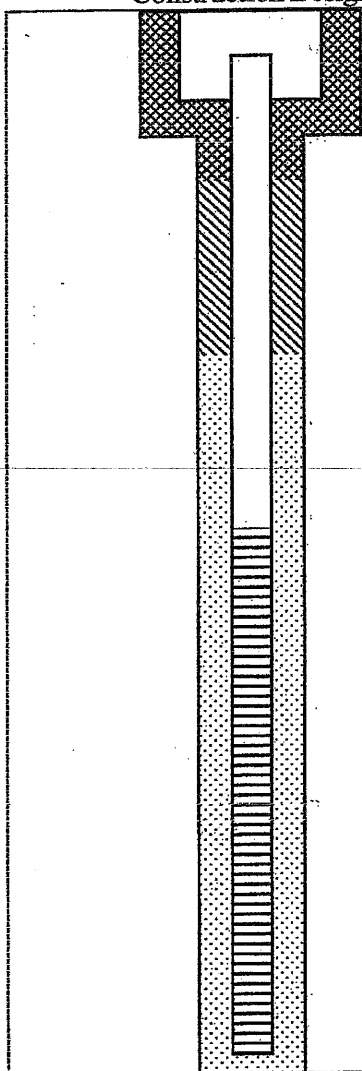
Work/Decommission Start Date 23 APR 09

Work/Decommission Completed Date 23 APR 09

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" FLUSH MOUNT

CONCRETE SURFACE SEAL:

φ-1'

ANNULAR SPACE: 3'

BACKFILL: 1'-3'

TYPE: BENTONITE

PVC BLANK: φ-4'

SCREEN: 4'-9'

SLOT SIZE: φ10

TYPE: 3/4" PREPACK PVC SCH 40

SAND PACK: 3'-9'

MATERIAL: 20/40 SILICA SAND

DRILLING METHOD: DIRECT PUSH

WELL DEPTH: 9'

BORING DIAMETER: _____

φ-7'
BRN SAND w/ GRAVEL
7'-9'
DK GRAY MCO/FINE SAND

SCALE: 1"= _____ PAGE 14 OF 18

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE-03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well IDTag No. BAF 364 (MW5)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Haun Martin

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r) Lat Deg _____ Min _____ Sec _____
still REQUIRED) Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

Work/Decommission Start Date 22 APR 09

Work/Decommission Completed Date 22 APR 09

Construction Design

Well Data

Formation Description

	MONUMENT TYPE: <u>8" FLUSH MOUNT</u> CONCRETE SURFACE SEAL: <u>φ-1'</u> ANNULAR SPACE: <u>3'</u> BACKFILL: <u>1'-6'</u> TYPE: <u>BENTONITE</u> PVC BLANK: <u>φ-5'</u> SCREEN: <u>5'-15'</u> SLOT SIZE: <u>1φ1φ</u> TYPE: <u>3/4" PREPACK PVC SCH 40</u> SAND PACK: <u>6'-15'</u> MATERIAL: <u>20/40 SILICA SAND</u> DRILLING METHOD: <u>DIRECT PUSH</u> WELL DEPTH: <u>15'</u> BORING DIAMETER: _____	<u>φ-6'</u> <u>BRN SAND w/ GRAVEL</u> <u>6'-15'</u> <u>DK GRAY TABO/FINE SAND</u>
	SCALE: 1"= _____ PAGE <u>11</u> OF <u>18</u>	

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE03297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well ID Tag No. BAF-357 (MW14)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Hahn, Martin

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____
Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

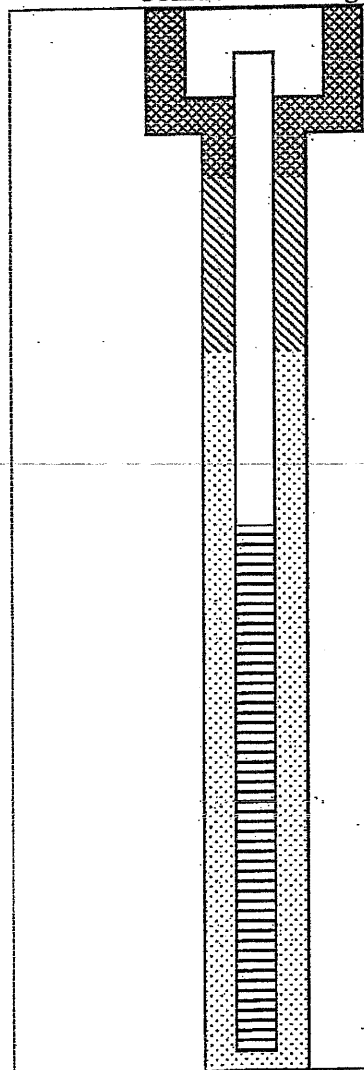
Work/Decommission Start Date 21 APR 09

Work/Decommission Completed Date 21 APR 09

Construction Design

Well Data

Formation Description



MONUMENT TYPE:

8" FLUSH MOUNT

CONCRETE SURFACE SEAL:

φ - 1'

ANNULAR SPACE: 3'

BACKFILL: 1' - 6'

TYPE: BENTONITE

PVC BLANK: φ - 5'

SCREEN: 5' - 15'

SLOT SIZE: 1/16"

TYPE: 3/4" PREPACK PVC SCH 40

SAND PACK: 6' - 15'

MATERIAL: 20/40 SILT SAND

DRILLING METHOD: DIRECT PUSH

WELL DEPTH: 15'

BORING DIAMETER: _____

φ - 6'
BRN SAND w/ GRAVEL
6' - 15'
DK GRAY MED/FINE SAND

SCALE: 1"= _____ PAGE 4 OF 18

RI-MW-14

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. REP 3297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm Landau Associates

Unique Ecology Well ID Tag No. BAF-359 (mw13)

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Haun, Martin

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r) still REQUIRED) Lat Deg _____ Min _____ Sec _____
Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

Work/Decommission Start Date 21 APR 09

Work/Decommission Completed Date 21 APR 09

Construction Design

Well Data

Formation Description

	MONUMENT TYPE: <u>8" FLUSH MOUNT</u> CONCRETE SURFACE SEAL: <u>φ-1'</u> ANNULAR SPACE: <u>3'</u> BACKFILL: <u>1'-6'</u> TYPE: <u>BENTONITE</u> PVC BLANK: <u>φ-5'</u> SCREEN: <u>5'-15'</u> SLOT SIZE: <u>1φ1φ</u> TYPE: <u>3/4" PREPACK PVC SCHED 40</u> SAND PACK: <u>6'-15'</u> MATERIAL: <u>20/40 SILICA SAND</u> DRILLING METHOD: <u>DIRECT PUSH</u> WELL DEPTH: <u>15'</u> BORING DIAMETER: _____	<u>φ-4'</u> BRN SAND w/ GRAVEL <u>4'-15'</u> DK GRAY MLSD/FINE SAND
	SCALE: 1"= _____ PAGE <u>6</u> OF <u>18</u>	

RI-MW-10

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. REQ3297

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission ("x" in box)

- ☒ Construction
☐ Decommission

Type of Well ("x" in box)

- ☒ Resource Protection
☐ Geotech Soil Boring

ORIGINAL INSTALLATION Notice of Intent Number:

Property Owner Port of Everett

Site Address W Marine View Drive & 13th Street

City Everett County Snohomish

Location SW1/4-1/4 NE1/4 Sec 18 Twn 29 R. 05

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____
Long Deg _____ Min _____ Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 2" Static Level 3'

Work/Decommission Start Date 21 APR 09

Work/Decommission Completed Date 21 APR 09

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Hann, Martin

Driller/Engineer/Trainee Signature [Signature]

Driller or Trainee License No. 2827

If trainee, licensed driller's Signature and License Number:

Construction Design

Well Data

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	MONUMENT TYPE: <u>8" FLUSH MOUNT</u> CONCRETE SURFACE SEAL: <u>φ-1'</u> ANNULAR SPACE: <u>3'</u> BACKFILL: <u>1'-3'</u> TYPE: <u>BENTONITE</u> PVC BLANK: <u>φ-4'</u> SCREEN: <u>4'-9'</u> SLOT SIZE: <u>φ1φ</u> TYPE: <u>3/4" PREPACK PVC SCH 40</u> SAND PACK: <u>3'-9'</u> MATERIAL: <u>20/40 SILICA SAND</u> DRILLING METHOD: <u>DIRECT PUSH</u> WELL DEPTH: <u>9'</u> BORING DIAMETER: _____	<u>φ-4'</u> <u>BRN SAND w/ GRAVEL</u> <u>4'-9'</u> <u>DK GRAY MED/FINE SAND</u>
	SCALE: 1"= _____ PAGE <u>2</u> OF <u>18</u>	