



May 15, 2019

1413.001.02

Washington Department of Ecology
Northwest Regional Office Toxics Control Program
3190 – 160th Ave. SE
Bellevue, WA 98008-5452
Attn: Ms. Tamara Cardona

BY EMAIL ONLY

**PROGRESS REPORT NO. 18 – APRIL 2019
AMERICAN LINEN SUPPLY CO-DEXTER AVE SITE
AGREED ORDER NO. DE 14302**

Dear Ms. Cardona:

On behalf of BMR-Dexter LLC (“BMRD”), PES Environmental, Inc. is submitting this monthly progress report in accordance with the requirements of Agreed Order No. DE 14302 (the “AO”) between the State of Washington Department of Ecology (“Ecology”) and BMRD. Specifically, the progress report was prepared to fulfill the requirements of Sections VII.F and VII.G of the AO. This progress report provides information pertaining to work conducted during April 2019.

This progress report discusses: (1) activities that took place during the reporting period, (2) deviations from approved work plans or other required tasks not already documented in project plans or reports, (3) deviations or anticipated problems in meeting the schedule or objectives set forth in the AO or approved work plans, (4) validated laboratory data received and data entered into Ecology’s Environmental Information Management (“EIM”) database during the reporting period, (5) work planned and anticipated deliverables for the next reporting period (i.e., May 2019), and (6) summaries of contacts with representatives of the local community, public interest groups, press, and federal, state or tribal governments.

For the purpose of this progress report, the word “Site” will refer to an area where contamination released at the property located at 700 Dexter Avenue North has come to be located, consistent with the definition of “site” or “facility” in the Washington Model Toxics Control Act (Chapter 173-340 of the Washington Administrative Code). The word “Property” refers to the area within the 700 Dexter Avenue North property boundary.

ACTIVITIES CONDUCTED DURING THE REPORTING PERIOD

During the reporting period, BMRD conducted the following work:

- Continued construction activities associated with implementing the Interim Action Work Plan (“IAWP”), and planned redevelopment of the Property. The following construction-related activities occurred during the reporting period:
 - Conducted routine air monitoring activities consistent with the approved Air Monitoring

Plan, including submittal of the Baseline Air Monitoring Report on April 15, 2019, and weekly Air Monitoring Reports throughout the reporting period;

- Completed construction of the water treatment system for construction stormwater and dewatering water. The system was inspected by King County Industrial Waste (“KCIW”) staff on April 11, 2019, and was approved to begin operations consistent with the requirements of the KCIW Discharge Authorization;
 - Completed installing all soldier piles on April 20, 2019;
 - Began installing tie-backs and lagging;
 - Exported clean fill that was brought onto the Property to construct the working benches for the soldier pile drill rigs following testing confirming that the bench fill was clean per procedures outline in the Final Contaminated Media Management Plan (“CMMP”);
 - Continued soil management activities associated with the above activities, including coordination with Ecology’s Hazardous Waste and Toxics Reduction Program staff, regarding disposal of soil from select soldier piles consistent with the March 18, 2019, contained-in determination and the CMMP. During the reporting period, approximately 960 tons of contained-in soil and 1,090 tons of soil classified as hazardous waste (soil that contained drilling fluid and, therefore, was excluded from coverage under the contained-in determination) was exported from the Property.
- Submitted the Revised Agency Review Draft Remedial Investigation and Feasibility Study (“RI/FS”) Work Plan to Ecology on April 15, 2019;
 - Submitted Progress Report No. 17 to Ecology on April 15, 2019;
 - Submitted the Technical Memorandum titled *Bench Scale Testing of In-Situ Blending of Potassium Permanganate into Tetrachloroethene Contaminated Soil prepared by Environmental Chemical Corporation* to Ecology on April 18, 2019. The memorandum describes the results of the bench scale testing performed to determine the operational parameters for treating contaminated soil in Soil Management Areas SMA-2, SMA-3 and SMA-4. The bench scale test was performed consistent with the Final CMMP;
 - Submitted the technical memorandum entitled *Groundwater Data Summary, First Quarter 2019* to Ecology on April 22, 2019. This memorandum included the validated results of the first post-*in situ* chemical oxidation (“ISCO”) injection quarterly groundwater monitoring event, and the post-emulsified vegetable oil (“EVO”) injection groundwater monitoring event;
 - Completed validating laboratory results for 135 soil samples collected from 14 perimeter injection well borings during drilling activities. The primary purpose of these samples was to assist in characterizing soil that will be generated during installation of the shoring system during redevelopment activities (i.e., soldier pile and tie-back installation). These data are summarized in the attached table;
 - Began the second post-ISCO injection quarterly groundwater monitoring event on April 22, 2019. This event included sampling and water level measurements from 47 wells and sampling of the three existing vapor probes. Monitoring activities continued through the end of the reporting period and were completed on May 3, 2019. The validated results for this monitoring event will be presented in the next progress report; and

- Met with Ecology on April 25, 2019, to discuss: (1) the revised RI/FS work plan, (2) the post-EVO injection groundwater monitoring results, (3) the bench scale treatability test report, (4) the status of the construction activities and (5) the April quarterly monitoring event.

DEVIATIONS FROM REQUIRED TASKS NOT ALREADY REPORTED

No unreported deviations from required tasks occurred during the reporting period.

DEVIATIONS FROM THE SCHEDULE

No deviations were encountered during the reporting period, and there are no anticipated problems in meeting the schedule or objectives set forth in the AO. The Revised RI/FS Work Plan was submitted to Ecology on April 15, 2019, consistent with the Ecology-approved extension.

VALIDATED DATA RECEIVED, AND DATA ENTERED INTO EIM

PES completed uploading the groundwater data from the first post-ISCO quarterly monitoring event and the post-EVO injection monitoring even into the EIM database during the reporting period. Groundwater data for the second post-ISCO quarterly monitoring event as well additional soil data associated with the perimeter injection well installation were validated and will be uploaded into the EIM database during the next reporting period.

WORK PLANNED AND ANTICIPATED DELIVERABLES DURING UPCOMING REPORTING PERIOD

Work planned during the May 2019 reporting period includes:

- Discussing Ecology's comments on the Revised RI/FS Work Plan, and beginning preparation of street use and right-of-way permit applications for the proposed monitoring wells;
- Completing the second round of quarterly groundwater monitoring consistent with the IAWP, and beginning to validate the data as it is received;
- Continuing with construction activities, including:
 - Installing the shoring system, including lagging and tie-backs;
 - Completing the export of clean fill brought in for constructing the working bench;
 - Removing the slab-on-grade at approximately elevation 40 feet, and beginning the mass excavation of soil across the Property, including implementing *in situ* soil treatment of soils exceeding the contained-in criteria, consistent with the CMMP;
 - Managing and exporting soil generated during shoring system installation consistent with the CMMP; and
 - Conducting air monitoring activities consistent with the Air Monitoring Plan.

There are no other deliverables anticipated to be submitted to Ecology during the May 2019 reporting period.

Ms. Tamara Cardona

PES Environmental, Inc.

May 15, 2019

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CONTACTS WITH PUBLIC AND GOVERNMENTAL PERSONNEL

Other than routine communications with Ecology regarding the ongoing work, BMRD did not issue any press releases or fact sheets related to the project and participated in no major meetings with interested public or local governments.

Please call if you have any questions or comments regarding information included in this progress report.

Sincerely,

PES ENVIRONMENTAL, INC.



Daniel A. Balbiani, P.E.

Principal Engineer

cc: John Moshy, BMRD

Attachment: Table 1 – Soil Analytical Results for Petroleum Hydrocarbons and CVOCs -
Select Perimeter Injection Wells

Table 1

**Soil Analytical Results for Petroleum Hydrocarbons and CVOCs - Select Perimeter Injection Wells
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Screening Levels									
					Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
Perimeter Injection Wells					0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050	
PRB-A3/PRB-C3	A3C3-3	01/16/19	3	39.67	0.000427 U	0.00283 J	0.000565 U	0.00510 U	0.00790	0.000766 J	0.000736 U	0.00152 U	0.000728 U	
	A3C3-6	01/16/19	6	36.67	0.000459 U	0.00350 J	0.00140 J	0.00548 U	0.160	0.0214	0.00343	0.00164 U	0.000783 U	
	A3C3-8	01/16/19	8	34.67	0.00540	0.0380	0.00311 J	0.0142	0.149	0.0396	0.00948	0.00287 U	0.00137 U	
	A3C3-10	02/13/19	10	32.67	0.00236	0.00626 J	0.00132 J	0.00652 J	0.00298 J	0.000543 U	0.00175 J	0.00194 U	0.000928 U	
	A3C3-15	02/13/19	15	27.67	0.00298	0.0167	0.00379	0.0136	0.00281 J	0.000462 U	0.000798 U	0.00165 U	0.000789 U	
	A3C3-20	02/13/19	20	22.67	0.000913 J	0.00143 U	0.000606 U	0.00547 U	0.000801 U	0.000458 U	0.000789 U	0.00164 U	0.000781 U	
	A3C3-25	02/13/19	25	17.67	0.000638 J	0.00149 U	0.000632 U	0.00570 U	0.000835 U	0.000477 U	0.00390	0.00171 U	0.000815 U	
	A3C3-32	02/13/19	32	10.67	0.000776 J	0.00144 U	0.000611 U	0.00551 U	0.000807 U	0.000461 U	0.119	0.00169 J	0.00675	
	A3C3-35	02/13/19	35	7.67	0.000572 J	0.00158 J	0.000599 U	0.00540 U	0.00198 J	0.000452 U	0.0369	0.001620 U	0.000772 U	
	A3C3-40	02/13/19	40	2.67	0.000654 J	0.00156 J	0.000652 U	0.00588 U	0.265	0.0163	0.471	0.00227 J	0.000841 U	
A3C3-45	02/13/19	45	-2.33	0.00108 J	0.00196 J	0.000602 U	0.00543 U	0.000794 U	0.000454 U	0.121	0.00300 J	0.000775 U		
A3C3-50	02/13/19	50	-7.33	0.000509 J	0.00167 J	0.000625 U	0.00564 U	0.0279	0.00163	0.108	0.00198 J	0.0203		
PRB-A9/PRB-C9	A9C9-3	01/21/19	3	40.12	0.141	0.0115	0.00160 J	0.00806 U	0.109	0.000675 U	0.00116 U	0.00242 U	0.00115 U	
	A9C9-6	01/21/19	6	37.12	0.0153	0.00773	0.00295 J	0.0170	0.00257 J	0.000490 U	0.000845 U	0.00175 U	0.000837 U	
	A9C9-10	01/21/19	10	33.12	0.0228	0.00384 J	0.000632 J	0.00552 U	0.00251 J	0.000462 U	0.00338	0.00165 U	0.00102 J	
	A9C9-15	02/07/19	15	28.12	0.00166	0.00146 U	0.000618 U	0.00558 U	0.0477	0.0296	0.0243	0.00167 U	0.000797 U	
	A9C9-20	02/07/19	20	23.12	0.000462 J	0.00144 U	0.000609 U	0.00549 U	0.0190	0.00885	0.00665	0.00164 U	0.000785 U	
	A9C9-25	02/07/19	25	18.12	0.000430 U	0.00135 U	0.000570 U	0.00514 U	0.0381	0.00731	0.00881	0.00154 U	0.00576	
	A9C9-32	02/07/19	32	11.12	0.000558 J	0.00160 J	0.000566 U	0.00511 U	4.44	1.32	1.04	0.00738	0.0872	
	A9C9-35	02/07/19	35	8.12	0.000423 U	0.00132 U	0.000561 U	0.00506 U	0.187	0.248	0.167	0.00170 J	0.00747	
	A9C9-40	02/07/19	40	3.12	0.000825 J	0.00217 J	0.000569 U	0.00513 U	0.0243	0.153	1.74	0.00383 J	0.0754	
	A9C9-45	02/07/19	45	-1.88	0.000500 J	0.00140 J	0.000555 U	0.00500 U	0.00154 J	0.00275	0.0596	0.00150 U	0.0123	
A9C9-50	02/07/19	50	-6.88	0.000690 J	0.00174 J	0.000570 U	0.00514 U	0.415	0.0656	0.0743	0.00183 J	0.0124		
B-931-50 (dup)	02/07/19	50	-6.88	0.000725 J	0.00181 J	0.000570 U	0.00514 U	0.387	0.0732	0.0869	0.00208 J	0.0181		
PRB-B1/PRB-D1	B1D1-11	01/17/19	11	30.75	0.00250	0.00261 J	0.00129 J	0.00558 U	0.00192 J	0.000467 U	0.000806 U	0.00167 U	0.000798 U	
	B1D1-15	01/17/19	15	26.75	0.000611 U	0.00191 U	0.000810 U	0.00731 U	0.00107 U	0.000611 U	0.00105 U	0.00219 U	0.00104 U	
	B1D1-20	01/17/19	20	21.75	0.000491 U	0.00153 U	0.000651 U	0.00587 U	0.00173 J	0.000491 U	0.0236	0.00176 U	0.000838 U	
	B1D1-25	01/17/19	25	16.75	0.000625 J	0.00174 U	0.000737 U	0.00665 U	0.00783	0.0922	0.148	0.00304 J	0.0596	
	B1D1-31	01/17/19	31	10.75	0.000435 U	0.00136 U	0.000577 U	0.00520 U	0.0185	0.0176	0.0147	0.00156 U	0.00468	
	B1D1-35	01/17/19	35	6.75	0.000490 U	0.00153 U	0.000649 U	0.00585 U	0.0505	0.0219	0.0194	0.00175 U	0.000837 U	
	B1D1-40	01/17/19	40	1.75	0.000447 U	0.00140 U	0.000592 U	0.00534 U	0.123	0.0284	0.0157	0.0016 U	0.000764 U	
	B1D1-45	01/17/19	45	-3.25	0.000458 U	0.00143 U	0.000607 U	0.00547 U	0.478	0.139	0.0852	0.00164 U	0.000989 J	
B1D1-50	01/17/19	50	-8.25	0.000462 U	0.00144 U	0.000612 U	0.00552 U	1.71	0.274	0.199	0.00268 J	0.00154 J		

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Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Screening Levels									
					Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
					0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050	
PRB-B2/PRB-D2	B2D2-3	01/16/19	3	38.75	0.000436 U	0.00144 J	0.000578 U	0.00521 U	0.0133	0.000436 U	0.000752 U	0.00156 U	0.000745 U	
	B2D2-6	01/16/19	6	35.75	0.0111	0.00424 J	0.00256 J	0.0127	0.180	0.000557 U	0.000961 U	0.00199 U	0.000951 U	
	B2D2-10	01/21/19	10	31.75	0.274	0.118	0.0240	0.0516	0.00154 J	0.00166 J	0.864	0.0366	0.141	
PRB-B4/PRB-D4	B4D4-3	01/17/19	3	39.67	0.000453 U	0.00141 U	0.000600 U	0.00541 U	0.000792 U	0.000453 U	0.000781 U	0.001620 U	0.000773 U	
	B4D4-6	01/17/19	6	36.67	0.00961	0.00647 J	0.00168 J	0.00818 J	0.0605	0.00337	0.00697	0.002250 U	0.00371 J	
	B4D4-10	01/17/19	10	32.67	0.00245 J-	0.00632 J-	0.00140 J-	0.00611 J-	0.00665 J-	0.00675 J-	0.0467 J-	0.00429 J-	0.0160 J-	
PRB-B5/PRB-D5	B5D5-10	02/14/19	10	32.92	0.00147	0.00260 J	0.000621 U	0.00560 U	0.140	0.00203	0.0484	0.00325 J	0.000800 U	
	B5D5-15	02/14/19	15	27.92	0.000466 U	0.00146 U	0.000617 U	0.00557 U	0.00298	0.000466 U	0.0104	0.00166 U	0.000795 U	
	B5D5-20	02/14/19	20	22.92	0.000467 U	0.00146 U	0.000619 U	0.00558 U	0.00166 J	0.000467 U	0.0277	0.00167 U	0.000798 U	
	B5D5-25	02/14/19	25	17.92	0.000471 U	0.00147 U	0.000624 U	0.00563 U	0.0608	0.00455	0.156	0.00294 J	0.00858	
	B5D5-32	02/14/19	32	10.92	0.000600 J	0.00142 U	0.000602 U	0.00543 U	0.0382	0.00548	0.257	0.00280 J	0.0169	
	B5D5-35	02/14/19	35	7.92	0.000735 J	0.00155 J	0.000584 U	0.00527 U	0.200	0.000844 J	0.924	0.0482	0.136	
	B5D5-40	02/14/19	40	2.92	0.000878 J	0.00144 J	0.000585 U	0.00527 U	0.483	0.00165	1.80	0.0103	0.219	
	B5D5-45	02/14/19	45	-2.08	0.000824 J	0.00148 J	0.000570 U	0.00514 U	3.45	0.310	0.712	0.00663	0.0802	
	B5D5-50	02/14/19	50	-7.08	0.000797 J	0.00233 J	0.000553 U	0.00498 U	0.0112	0.00173	0.0246	0.00149 U	0.0158	
B-932-50	02/14/19	50 (dup)	-7.08	0.000746 J	0.00200 J	0.000651 J	0.00595 J	0.0148	0.00198	0.0260	0.00152 U	0.0223		
PRB-B6/PRB-D6	B6D6-17	02/20/19	17	25.92	0.000460 U	0.00146 J	0.000609 U	0.00550 U	0.00641	0.00629	0.00388	0.00164 U	0.000785 U	
	B6D6-20	02/20/19	20	22.92	0.000465 U	0.00201 J	0.000615 U	0.00555 U	0.00154 J	0.00333	0.0233	0.00166 U	0.000793 U	
	B6D6-25	02/20/19	25	17.92	0.000476 U	0.00149 U	0.000631 U	0.00569 U	0.00806	0.00229	0.0372	0.00170 U	0.000813 U	
	B6D6-32	02/20/19	32	10.92	0.000482 U	0.00151 U	0.000638 U	0.00576 U	0.441	0.147	0.402	0.00889	0.000823 U	
	B6D6-35	02/20/19	35	7.92	0.000453 J	0.00140 J	0.000575 U	0.00519 U	0.575	0.577	0.420	0.0293	0.000741 U	
	B6D6-40	02/20/19	40	2.92	0.000692 J	0.00187 J	0.000626 U	0.00564 U	0.00500	0.0210	0.0713	0.00213 J	0.000807 U	
	B6D6-45	02/20/19	45	-2.08	0.000884 U	0.00282 J	0.00117 U	0.0106 U	0.193	0.316	1.82	0.00347 J	0.00759	
	B6D6-50	02/20/19	50	-7.08	0.000428 U	0.00156 J	0.000567 U	0.00512 U	0.00513	0.00153	0.00754	0.00153 U	0.000731 U	
B-933-50	02/20/19	50 (dup)	-7.08	0.000440 U	0.00216 J	0.000583 U	0.00526 U	0.285	0.264	0.552	0.00224 J	0.000751 U		
PRB-B10/PRB-D10	B10D10-15	02/21/19	15	30.13	0.00843	0.00787	0.00170 J	0.00656 J	0.0321	0.000504 U	0.00105 J	0.00180 U	0.000861 U	
	B10D10-20	02/21/19	20	25.13	0.000483 U	0.00151 U	0.000640 U	0.00577 U	0.00726	0.00164	0.339	0.00334 J	0.000825 U	
	B10D10-25	02/21/19	25	20.13	0.000452 U	0.00185 J	0.000599 U	0.00540 U	1.89	0.419	0.196	0.00652	0.000772 U	
	B10D10-30	02/21/19	30	15.13	0.000449 U	0.00140 U	0.000595 U	0.00537 U	1.03	0.603	0.409	0.00837	0.000767 U	
	B10D10-35	02/21/19	35	10.13	0.000439 U	0.00154 J	0.000582 U	0.00525 U	0.0809	0.418	0.995	0.00238 J	0.000750 U	
	B10D10-40	02/21/19	40	5.13	0.000457 U	0.00166 J	0.000605 U	0.00546 U	0.0210	0.0552	0.694	0.00163 U	0.000780 U	
	B10D10-45	02/21/19	45	0.13	0.007010 U	0.0218 U	0.00929 U	0.0837 U	0.00757 U	0.0182	0.209	0.0251 U	0.0120 U	
	B10D10-50	02/21/19	50	-4.87	0.000443 U	0.00146 J	0.000587 U	0.00529 U	0.251	0.247	0.564	0.00208 J	0.000756 U	
PRB-B11/PRB-D11	B11D11-10	01/15/19	10	35.13	0.000539 U	0.0101	0.000783 J	0.00644 U	0.000944 U	0.000539 U	0.000921 U	0.00193 U	0.000921 U	
	B11D11-15	01/15/19	15	30.13	0.000436 U	0.00136 U	0.000577 U	0.00520 U	0.00295	0.00351	0.00436	0.00156 U	0.000744 UJ	
	B11D11-20	01/15/19	20	25.13	0.000459 U	0.00144 U	0.000608 U	0.00549 U	0.0526	0.0138	0.0158	0.00164 U	0.000784 UJ	
	B11D11-27	01/15/19	27	18.13	0.000439 U	0.00137 U	0.000581 U	0.00524 U	1.77	0.0723	0.0292	0.00157 U	0.000749 U	
	B11D11-30	01/15/19	30	15.13	0.000415 U	0.00130 U	0.000550 U	0.00496 U	4.42	0.226	0.0698	0.00410 J	0.000709 UJ	
	B11D11-35	01/15/19	35	10.13	0.000469 J	0.00160 J	0.000593 U	0.00535 U	2.6	0.441	0.574	0.00269 J	0.000764 UJ	
	B11D11-40	01/15/19	40	5.13	0.000437 U	0.00136 U	0.000578 U	0.00522 U	0.0198	0.0156	0.275	0.00156 U	0.000745 UJ	
	B11D11-46	01/15/19	46	-0.87	0.000451 U	0.00141 U	0.000597 U	0.00539 U	1.13	0.273	0.105	0.00185 J	0.00077 UJ	
	B-928-46	01/15/19	46 (dup)	-0.87	0.000450 U	0.00141 U	0.000596 U	0.00538 U	1.43	0.332	0.13	0.00216 J	0.000768 UJ	
	B11D11-50	01/15/19	50	-4.87	0.000533 U	0.00238 J	0.000707 U	0.00637 U	0.0119	0.00177	0.0512	0.00190 U	0.000910 UJ	

Table 1

**Soil Analytical Results for Petroleum Hydrocarbons and CVOCs - Select Perimeter Injection Wells
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Screening Levels									
					Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC	
					0.030	0.273	0.343	0.831	0.025	0.030	0.050	0.050	0.050	
PRB-B13/PRB-D13	B13D13-10	03/21/19	10	37.50	0.000456 U	0.00143 U	0.000604 U	0.00545 U	0.000798 U	0.000456 U	0.000787 U	0.00163 U	0.000779 U	
	B13D13-20	03/21/19	20	27.50	0.000474 U	0.00148 U	0.000628 U	0.00566 U	0.000829 U	0.000474 U	0.000817 U	0.00169 U	0.000809 U	
	B13D13-30	03/21/19	30	17.50	0.000460 U	0.00144 U	0.000609 U	0.00549 U	0.0498	0.0117	0.0169	0.00164 U	0.000785 U	
	B13D13-40	03/21/19	40	7.50	0.000427 U	0.00133 U	0.000566 U	0.00510 U	0.00300	0.000505 J	0.00174 J	0.00153 U	0.000729 U	
	B13D13-50	03/21/19	50	-2.50	0.000439 U	0.00137 U	0.000582 U	0.00525 U	0.00784	0.00166	0.000758 U	0.00157 U	0.00075 U	
PRB-B16/PRB-D16	B16D16-15	03/13/19	15	34.5	0.001880 U	0.00587 U	0.00249 U	0.0224 U	0.00329 U	0.00188 U	0.00324 U	0.00672 U	0.00321 U	
	B16D16-20	03/13/19	20	29.5	0.000438 U	0.00137 U	0.000580 U	0.00523 U	0.0142	0.000603 J	0.000755 U	0.00156 U	0.000747 U	
	B16D16-25	03/13/19	25	24.5	0.000428 U	0.00134 U	0.000665 J	0.00512 U	0.0242	0.00173	0.00264 J	0.00153 U	0.000732 U	
	B16D16-30	03/13/19	30	19.5	0.000440 U	0.00137 U	0.000582 U	0.00525 U	0.0590	0.00431	0.00446	0.00157 U	0.000751 U	
	B16D16-35	03/13/19	35	14.5	0.000599 J	0.00137 U	0.000583 U	0.00526 U	0.00319	0.0279	0.713	0.00157 U	0.00599	
	B16D16-40	03/13/19	40	9.5	0.000466 U	0.00146 U	0.000618 U	0.00557 U	0.321	0.0276	2.31	0.00788	0.789	
	B16D16-45	03/13/19	45	4.5	0.000428 U	0.00134 U	0.000567 U	0.00511 U	0.598	0.165	0.665	0.00153 U	0.0503	
	B16D16-50	03/13/19	50	-0.5	0.000448 J	0.00247 J	0.00109 J	0.00520 U	0.884	0.0610	1.23	0.00156 U	0.0421	
	B16D16-55	03/13/19	55	-5.5	0.00196 U	0.00614 U	0.00260 U	0.02350 U	0.00483 J	0.00196 U	0.00338 U	0.00702 U	0.00335 U	
	B16D16-60	03/13/19	60	-10.5	0.000426 U	0.00152 J	0.000564 U	0.00509 U	0.001120 J	0.000426 U	0.00094 J	0.00152 U	0.000727 U	
	B16D16-65	03/13/19	65	-15.5	0.000438 U	0.00137 U	0.000580 U	0.00523 U	0.000766 U	0.000438 U	0.000755 U	0.00156 U	0.000747 U	
	B16D16-70	03/13/19	70	-20.5	0.000766 J	0.00207 J	0.000594 U	0.00536 U	0.000785 U	0.000448 U	0.000773 U	0.0016 U	0.000766 U	
	B16D16-75	03/13/19	75	-25.5	0.000674 J	0.00359 J	0.000582 U	0.00525 U	0.000769 U	0.000439 U	0.000758 U	0.00157 U	0.00075 U	
	B16D16-80	03/13/19	80	-30.5	0.000446 U	0.00139 U	0.000591 U	0.00533 U	0.000781 U	0.000446 U	0.00077 U	0.00160 U	0.000762 U	
	B16D16-85	03/13/19	85	-35.5	0.000468 J	0.00139 U	0.000588 U	0.00530 U	0.000776 U	0.000444 U	0.000765 U	0.00159 U	0.000758 U	
	B16D16-90	03/13/19	90	-40.5	0.000452 U	0.00141 U	0.000599 U	0.00540 U	0.000791 U	0.000452 U	0.000779 U	0.00162 U	0.000771 U	
	B16D16-95	03/13/19	95	-45.5	0.000466 U	0.00146 U	0.000617 U	0.00557 U	0.000815 U	0.000466 U	0.000804 U	0.00167 U	0.000795 U	
B16D16-100	03/13/19	100	-50.5	0.000463 U	0.00145 U	0.000614 U	0.00554 U	0.000811 U	0.000463 U	0.000799 U	0.00166 U	0.000791 U		
B16D16-105	03/13/19	105	-55.5	0.000456 U	0.00142 U	0.000604 U	0.00545 U	0.000798 U	0.000456 U	0.000787 U	0.00163 U	0.000779 U		
B-934-105	03/13/19	105 (dup)	-55.5	0.000456 U	0.00143 U	0.000605 U	0.00545 U	0.000799 U	0.000456 U	0.000787 U	0.00163 U	0.000779 U		
PRB-B18/PRB-D18	B18D18-10	03/22/19	10	41.00	0.000467 U	0.00146 U	0.000618 U	0.00558 U	0.00519	0.000467 U	0.000805 U	0.00167 U	0.000797 U	
	B18D18-20	03/22/19	20	31.00	0.000467 J	0.00139 U	0.000589 U	0.00532 U	0.00911	0.000445 U	0.0319	0.00159 U	0.000760 U	
	B18D18-30	03/22/19	30	21.00	0.000548 J	0.00233 J	0.000584 U	0.00526 U	0.253	0.00663	0.712	0.00168 J	0.000752 U	
	B18D18-40	03/22/19	40	11.00	0.000441 U	0.00138 U	0.000585 U	0.00527 U	0.0237	0.00331	0.0174	0.00158 U	0.000754 U	
	B18D18-50	03/22/19	50	1.00	0.000434 U	0.00135 U	0.000574 U	0.00518 U	0.00688	0.00244	0.0255	0.00155 U	0.000740 U	

Table 1

**Soil Analytical Results for Petroleum Hydrocarbons and CVOCs - Select Perimeter Injection Wells
Former American Linen Supply
700 Dexter Avenue North, Seattle, Washington**

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Screening Levels									
					Benzene 0.030	Toluene 0.273	Ethylbenzene 0.343	Total Xylenes 0.831	PCE 0.025	TCE 0.030	cDCE 0.050	tDCE 0.050	VC 0.050	
PRB-B19/PRB-D19	B19D19-10	03/18/19	10	42.50	0.000441 U	0.00149 J	0.000584 U	0.00527 U	0.000772 U	0.000441 U	0.000760 U	0.00158 U	0.000753 U	
	B19D19-15	03/18/19	15	37.5	0.000493 U	0.00154 U	0.000654 U	0.0059 U	0.0182	0.000493 U	0.0310	0.00177 U	0.000843 U	
	B19D19-20	03/18/19	20	32.5	0.000467 U	0.00152 J	0.000619 U	0.00558 U	0.0251	0.000616 J	0.00927	0.00167 U	0.000797 U	
	B19D19-25	03/18/19	25	27.5	0.000496 U	0.00184 J	0.000657 U	0.00592 U	2.38	0.221	0.0500	0.00177 U	0.000847 U	
	B19D19-30	03/18/19	30	22.5	0.000460 U	0.00171 J	0.000609 U	0.00549 U	0.604	0.0272	0.0551	0.00164 U	0.000785 U	
	B19D19-35	03/18/19	35	17.5	0.000454 U	0.00142 U	0.000601 U	0.00542 U	0.189	0.0189	0.324	0.00162 U	0.0176	
	B19D19-40	03/18/19	40	12.5	0.000466 U	0.00188 J	0.000808 J	0.00557 U	0.212	0.00993	0.0658	0.00167 U	0.000796 U	
	B19D19-45	03/18/19	45	7.5	0.000463 U	0.00145 U	0.000614 U	0.00554 U	7.74	0.222	0.126	0.00166 U	0.000791 U	
	B19D19-50	03/18/19	50	2.5	0.000779 J	0.00247 J	0.000608 U	0.00548 U	0.00329	0.000459 U	0.000791 U	0.00164 U	0.000783 U	
	B19D19-55	03/18/19	55	-2.5	0.000769 J	0.00173 J	0.000611 U	0.00551 U	0.000807 U	0.000461 U	0.000795 U	0.00165 U	0.000787 U	
	B19D19-60	03/18/19	60	-7.5	0.000448 U	0.00253 J	0.000613 J	0.00536 U	0.000784 U	0.000448 U	0.000773 U	0.00160 U	0.000765 U	
	B19D19-65	03/18/19	65	-12.5	0.000508 U	0.00244 J	0.000672 U	0.00606 U	0.000888 U	0.000508 U	0.000875 U	0.00181 U	0.000867 U	
	B19D19-70	03/18/19	70	-17.5	0.000488 U	0.00181 J	0.000647 U	0.00583 U	0.001790 J	0.000488 U	0.000842 U	0.00175 U	0.000834 U	
	B19D19-75	03/18/19	75	-22.5	0.000475 U	0.00148 U	0.000630 U	0.00568 U	0.000832 U	0.000475 U	0.000820 U	0.00169 U	0.000812 U	
	B19D19-80	03/18/19	80	-27.5	0.000453 U	0.00142 U	0.000600 U	0.00541 U	0.000793 U	0.000453 U	0.000782 U	0.00162 U	0.000774 U	
	B19D19-85	03/18/19	85	-32.5	0.000486 U	0.00152 U	0.000644 U	0.0058 U	0.000850 U	0.000486 U	0.000838 U	0.00174 U	0.000829 U	
	B19D19-90	03/18/19	90	-37.5	0.000504 U	0.00213 J	0.000667 U	0.00601 U	0.000881 U	0.000504 U	0.000868 U	0.00180 U	0.00086 U	
	B19D19-95	03/18/19	95	-42.5	0.000479 U	0.00150 U	0.000635 U	0.00573 U	0.000839 U	0.000479 U	0.000827 U	0.00171 U	0.000819 U	
	B19D19-100	03/18/19	100	-47.5	0.000487 U	0.00159 J	0.000645 U	0.00582 U	0.000852 U	0.000487 U	0.00084 U	0.00174 U	0.000832 U	
	B19D19-105	03/18/19	105	-52.5	0.000446 U	0.00139 U	0.000591 U	0.00533 U	0.000781 U	0.000446 U	0.000770 U	0.00160 U	0.000762 U	
B19D19-110	03/18/19	110	-57.5	0.000504 U	0.00157 U	0.000667 U	0.00602 U	0.000881 U	0.000504 U	0.000869 U	0.00180 U	0.000860 U		
B-935-40	03/18/19	110 (dup)	-57.5	0.000537 U	0.00167 U	0.000712 U	0.00641 U	0.000939 U	0.000537 U	0.000926 U	0.00192 U	0.000916 U		
PRB-B21/PRB-D21	B21D21-10	03/25/19	10	44.00	0.000459 U	0.00143 U	0.000608 U	0.00548 U	0.000803	0.000459 U	0.000791 U	0.00164 U	0.000783 U	
	B21D21-20	03/25/19	20	34.00	0.000473 U	0.00148 U	0.000627 U	0.00565 U	0.000828	0.000473 U	0.000816 U	0.00169 U	0.000808 U	
	B21D21-30	03/25/19	30	24.00	0.000431 U	0.00135 U	0.000571 U	0.00515 U	2.06	0.0810	0.0215	0.00154 U	0.000736 U	
	B21D21-40	03/25/19	40	14.00	0.000443 U	0.00139 U	0.000587 U	0.00530 U	0.00395	0.000443 U	0.000765 U	0.00158 U	0.000757 U	
	B21D21-50	03/25/19	50	4.00	0.000453 U	0.00229 J	0.000600 U	0.00541 U	0.600	0.00903	0.307	0.00162 U	0.0933	
	B21D21-60	03/26/19	60	-6.00	0.000437 U	0.00136 U	0.000578 U	0.00522 U	0.00192 J	0.000437 U	0.0961	0.00156 U	0.0162	
	B-936-60	03/26/19	60 (dup)	-6.00	0.000438 U	0.0018 J	0.000580 U	0.00523 U	0.000766	0.000438 U	0.180	0.00157 U	0.0601	
<u>Notes:</u>					<u>Laboratory and Results Notes:</u>									
1. PHCs Analyzed by Method WTPH-HCID, Method 418.1, EPA Method 8020, EPA Method 8015M, or NWTPH-Gx.					6. Detected results shown in bold, detections above the MTCA Cleanup level highlighted in gray									
2. VOCs Analyzed by EPA Methods 8010, 8020, 8021B, 8260B, 624/8240, or 8260C.					7. - =results not available or results not analyzed/measured									
3. MTCA Cleanup Regulation, Chapter 173-340-900 of WAC, Table 740-1 Method A Cleanup Levels for Soil, revised November 2007.					8. J = The reported concentration is an estimate based on detectable results between the method detection limit and reporting limit, laboratory QA/QC, or data validation review.									
4. CLARC, Soil, Method B, Non Cancer, CLARC website - < https://fortress.wa.gov/ecy/clarc/CLARHome.aspx >. Updated August 2015.					9. J- = The result is an estimated quantity, but the result may be biased low.									
5. CLARC, Soil, Method B, Cancer, CLARC website - < https://fortress.wa.gov/ecy/clarc/CLARHome.aspx >. Updated August 2015.					10. U = Not detected at a concentration exceeding laboratory reporting limit									
					<u>Abbreviations:</u>									
					38. MTCA = Washington State Model Toxics Control Act									
					44. PCE = perchloroethylene (tetrachloroethene)									
					50. TCE = trichloroethylene									
					51. tDCE = trans-1,2-dichloroethene									
					51. tDCE = trans-1,2-dichloroethene									