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Transmitted via Electronic Mail

October 13, 2022

Ms. Tena Seeds
Washington State Department of Ecology
Toxics Cleanup Program
15700 Dayton Ave N., Shoreline, WA 98133

RE: **Quarterly Progress Report: July 1 through September 30, 2022**
Time Oil Bulk Terminal Site, Cleanup Site ID #14604
Prospective Purchaser Consent Decree No. 20-2-15215-3 SEA

Dear Ms. Seeds:

Pioneer Engineering & Environmental Services, LLC on behalf of TOC Seattle Terminal 1, LLC submits the attached Quarterly Progress Report for the Time Oil Bulk Terminal Site per Section XII of the Prospective Purchaser Consent Decree between the Washington State Department of Ecology and TOC Seattle Terminal 1, LLC. The quarterly progress report consists of a brief narrative summary of notable activities that occurred during the reporting period and that are anticipated for the upcoming reporting period.

If you have any questions about this report, please contact me at 773-435-3725.

Sincerely,

A handwritten signature in black ink that reads "Kim Hempel". The signature is written in a cursive, flowing style.

Kim Hempel
Project Coordinator
Pioneer Engineering & Environmental Services, LLC

Distribution List:
Doug Ciserella and Mike Ciserella, TOC Seattle Terminal 1, LLC
Bill Joyce, Joyce Ziker Partners PLLC
Jamie Stevens, CRETE Consulting

**TIME OIL BULK TERMINAL SITE
PROSPECTIVE PURCHASER CONSENT DECREE NO. 20-2-15215-3 SEA
QUARTERLY PROGRESS REPORT: JULY 1 THROUGH SEPTEMBER 30, 2022**

This report has been prepared in accordance with the requirements of the Time Oil Bulk Terminal Site Prospective Purchaser Consent Decree (PPCD) between the Washington State Department of Ecology (Ecology) and TOC Seattle Terminal 1, LLC. This progress report provides details on the following: 1) all on site activities; 2) any deviations from required tasks; 3) anticipated problems in meeting schedule or objectives and associated solutions 4) sampling, testing, or other data received; 5) work planned for the upcoming 3-month period; and, 6) deliverables planned for the upcoming 3-month period.

Summary of On-Site Activities Performed During the Reporting Period (PPCD Section XII.A)

Activities completed during this reporting period included:

- Visual checks of the site were conducted on July 13, and September 9, 2022. All completed interim surfaces remain in good condition and no concerns were noted during the site visits.
- Groundwater level gauging was completed at accessible site wells on September 9, 2022.

Deliverables

Deliverables during this reporting period included the following:

- The Quarterly Progress Report for the second quarter of 2022 was submitted to Ecology on July 15, 2022 and revised on July 19, 2022 to address Ecology comments.
- The Remedial Action Completion Report, Phase 1 (Phase 1 RACR) was submitted to Ecology for review on January 31, 2022. Ecology provided comments on the Phase 1 RACR on March 18, July 13 and August 5, 2022; responses to comments were submitted on May 5, August 4 and August 8, 2022. Ecology approved the Phase 1 RACR on August 8, 2022.
- The Long-Term Compliance Monitoring Plan (LTCMP) was submitted to Ecology for review on March 16, 2022. Ecology provided comments on the Soil and Remedial Elements Management Plan (SREMP) on June 9, 2022; a revised SREMP was submitted to Ecology on August 9, 2022. Ecology provided comments on the Groundwater Monitoring Plan (GMP) on September 7, 2022.
- A vapor barrier specification for Drago Wrap VI Barrier and supporting information was provided to Ecology on August 30, 2022 for review and Ecology provided feedback on September 7, 2022 indicating that the proposed product would be acceptable for use at the site.

Deviations from Required Tasks (PPCD Section XII.B)

- None.

Anticipated Problems in Meeting Schedule or Objectives and Associated Solutions (PPCD Section XII.C and XII.D)

- There are no anticipated problems in meeting the schedule of deliverables specified in Exhibit D of the PPCD. The schedule of deliverables and activities specified in Table 8.1 of the Cleanup Action Plan (Exhibit C of the PPCD) are currently on track or ahead of schedule.

Raw Data Received (PPCD Section XII.E)

- No data was received during the reporting period.

Work Planned During the Upcoming Reporting Period (PPCD Section XII.F)

The following work is planned for the 4th Quarter 2022:

- Finalization of the Long-Term Compliance Monitoring Plan;
- Monitoring well installations and first round of groundwater sampling (pending resolution of Ecology's comments on the GMP); and
- Site checks will be conducted periodically to ensure that conditions remain stable during the interim period prior to site development.

Deliverables Planned During the Upcoming Reporting Period (PPCD Section XII.G)

The following deliverables are anticipated to be completed during the next quarterly reporting period of October through December 2022:

- Submittal of the final Long-Term Compliance Monitoring Plan (pending receipt of Ecology comments on all appendices); and
- Submittal of updated Financial Assurance documentation, which will be submitted 60 days after the Long-Term Compliance Monitoring Plan is finalized.

Other Pertinent Information, Including Changes in Key Personnel

- None.

END QUARTERLY PROGRESS REPORT

Seeds, Tena (ECY)

From: Jamie Stevens <jamie.stevens@creteconsulting.com>
Sent: Wednesday, October 19, 2022 9:02 AM
To: Seeds, Tena (ECY); Kim Hempel
Cc: Doug Ciserella; Mike Ciserella; William Joyce
Subject: RE: Time Oil Bulk Terminal - 3Q2022 Quarterly Progress Report
Attachments: For Ecology_Well Details from June and Sept GW Gaging.xlsx

Tena – good morning. Attached is the gauging data.

Jamie Stevens
206.799.2744

From: Seeds, Tena (ECY) <TSEE461@ECY.WA.GOV>
Sent: Tuesday, October 18, 2022 4:38 PM
To: Kim Hempel <khempel@pioneerees.com>
Cc: Doug Ciserella <doug@cantera-group.com>; Mike Ciserella <mike@cantera-group.com>; William Joyce <wjoyce@jzplaw.com>; Jamie Stevens <jamie.stevens@creteconsulting.com>
Subject: RE: Time Oil Bulk Terminal - 3Q2022 Quarterly Progress Report

Hi Kim,

Please provide the groundwater level data that was collected during the site visit in September.

Thanks,

Tena Seeds, PE

Senior Engineer, Uplands Unit
Northwest Region Toxics Cleanup Program
Washington State Department of Ecology
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Phone: (425) 457-3143
24-hour reception line: 206-594-0000
tena.seeds@ecy.wa.gov

From: Kim Hempel <khempel@pioneerees.com>
Sent: Thursday, October 13, 2022 3:02 PM
To: Seeds, Tena (ECY) <TSEE461@ECY.WA.GOV>
Cc: Doug Ciserella <doug@cantera-group.com>; Mike Ciserella <mike@cantera-group.com>; William Joyce <wjoyce@jzplaw.com>; Jamie Stevens <jamie.stevens@creteconsulting.com>
Subject: Time Oil Bulk Terminal - 3Q2022 Quarterly Progress Report

Good afternoon Tena,

The quarterly progress report for the Time Oil Bulk Terminal Site is attached as required by Section XII of the Prospective Purchaser Consent Decree (PPCD). This progress report covers activities completed in accordance with the PPCD during the third quarter of 2022.

Please let me know if you have any questions.

Thanks,
Kim

Kim Hempel | *Senior Project Manager*

Pioneer Engineering & Environmental Services, LLC

2753 West 31st Street
Chicago, Illinois 60608

Main: 773.722.9200 **Direct:** 773.435.3725 **Fax:** 773.722.9201 **Web:** PioneerEES.com

ID	Ecology Tag #	XY (WA State Plane)		Ground Surface (NAVD88)	TOC (NAVD88)	Screen top (ft bgs)	Screen bottom (ft bgs)	Slot size	Diameter	Filter Pack	Install Date	9/9/2022 Depth To Water (ft BTOC)	9/9/2022 WL Elevation	6/15/2022 Depth To Water (ft BTOC)	6/15/2022 WL Elevation
01MW12	AFR602	1256316.664	245445.5747	46.22	45.78	5.0	20.00	0.010"	2"	20/40 silica sand	11/21/2000	8.35	37.43	0.92	44.86
02MW17	BLR576	1256004.407	245843.9578	21.27	20.73	1.0	11	0.020"	2"	10/20 silica sand	4/29/2019	2.83	17.90	1.48	19.25
02MW07	AFR637	1255960.816	245829.1272	21.31	20.78	1.5	11.5	0.010"	2"	2/12 silica sand	11/22/2000	NM	NM	2.03	18.75
02MW21	BLR575	1256011.563	245843.894	21.29	20.96	18.0	28	0.020"	2"	10/20 silica sand	4/26/2019	3.75	17.21	3.00	17.96
02MW01	AFF189	1255985.186	245787.2991	24.63	24.07	10.0	20	0.010"	2"	2/12 silica sand	9/13/1999	6.05	18.02	4.25	19.82
02MW18	BLR573	1255824.049	245805.536	24.45	23.98	4.0	14	0.020"	2"	10/20 silica sand	4/26/2019	5.80	18.18	4.37	19.61
02MW03	AFF193	1256026.258	245801.8118	28.29	27.78	10.0	20	0.010"	4"	2/12 silica sand	9/13/1999	NM	NM	8.38	19.40
01MW03	AFF186	1256160.726	245598.3679	44.62	44.22	10.0	25.00	0.010"	2"	2/12 silica sand	9/11/1999	NM	NM	8.89	35.33
01MW08		1256071.371	245571.2465	45.51	45.15	9.0	25.00	0.010"	2"	20/40 silica sand	11/27/2000	14.32	30.83	9.93	35.22
01MW40	APL373	1256228.422	245347.1251		49.01	7.0	22.00	0.010"	2"	2/12 silica sand	9/7/2006	15.55	33.46	10.15	38.86
01MW87	BHB267	1256308.361	245582.453	45.62	45.27	11.0	21	0.010"	2"	2/12 silica sand	4/20/2011	NM	NM	12.45	32.82
01MW47	APA846	1256102.21	245617.9836	44.34	43.87	6.0	21.00	0.010"	2"	2/12 silica sand	11/29/2006	16.10	27.77	12.85	31.02
01MW101	BLR566	1256258.447	245623.1098	44.9	44.57	17.0	21	0.020"	2"	10/20 silica sand	4/23/2019	19.80	24.77	14.97	29.60
01MW84	BHB250	1256118.399	245649.143	44.02	43.62	13.0	23	0.010"	2"	2/12 silica sand	4/19/2011	17.08	26.54	15.27	28.35
01MW35	APB088	1256291.355	245613.8439	45.11	44.55	10.0	20.00	0.010"	2"	2/12 silica sand	7/7/2006	19.91	24.64	15.45	29.10
01MW88	BHB268	1256316.027	245622.796	45.56	45.10	11.0	21	0.010"	2"	2/12 silica sand	4/21/2011	19.97	25.13	15.95	29.15
01MW36	APL579	1256323.335	245604.7694	45.66	45.19	10.0	20.00	0.010"	2"	2/12 silica sand	7/7/2006	19.45	25.74	16.52	28.67
01MW102	BLR567	1256179.464	245639.2164	44.75	44.44	10.0	20	0.020"	2"	10/20 silica sand	4/23/2019	19.05	25.39	16.62	27.82
01MW34	APB087	1256349.486	245587.4006	45.66	45.21	10.0	20.00	0.010"	2"	2/12 silica sand	7/7/2006	20.73	24.48	19.21	26.00
01MW15	AGF505	1255996.886	245441.8874	51.23	50.83	10.0	30.00	0.010"	2"	20/40 silica sand	7/19/2001	19.82	31.01	19.65	31.18
01MW56		1255932.013	245577.676	44.98	44.50	16.5	26.5	0.010"	2"	2/12 silica sand	11/14/2008	20.88	23.62	20.32	24.18
01MW100	BJA 710	1256518.34	245144.56		63.68	20.0	30	0.010"	2"	2/12 silica sand	3/25/2015	22.40	41.28	20.51	43.17
01MW51	APA856	1256144.731	245611.3969	44.57	44.17	29.0	39.00	0.010"	2"	2/12 silica sand	12/21/2006	21.59	22.58	21.51	22.66
01MW30		1256043.968	245590.742	44.87	44.42	15.0	28.00	0.020"	2"	2/12 silica sand	4/21/2006	23.50	20.92	21.55	22.87
MW06		1255807.834	245589.7193	46.17	45.76	18.0	28	0.020"	2"	2/12 silica sand	4/19/2006	22.64	23.12	21.65	24.11
01MW104	BLR568	1256184.38	245638.7785	44.63	44.12	28.0	33	0.020"	2"	10/20 silica sand	4/24/2019	23.34	20.78	21.97	22.15
01MW53	BAB883	1255901.892	245616.925	43.33	43.11	16.0	26	0.010"	2"	2/12 silica sand	12/7/2007	22.78	20.33	22.23	20.88
01MW106	BLR569	1255783.683	245654.8008	44.13	43.68	15.0	25	0.020"	2"	10/20 silica sand	4/24/2019	23.22	20.46	22.23	21.45
01MW99	BJA 709	1256477.15	245145.81		66.01	20.0	30	0.010"	2"	2/12 silica sand	3/25/2015	25.33	40.68	22.39	43.62
01MW85	BHB251	1255842.524	245604.574	44.41	44.05	18.0	27	0.010"	2"	2/12 silica sand	4/20/2011	23.19	20.86	22.49	21.56
01MW107	BLR570	1255846.677	245653.8478	44.00	39.69	17.0	27	0.020"	2"	10/20 silica sand	4/24/2019	23.53	16.16	22.56	17.13
01MW89	BHB269	1255966.372	245605.873	43.60	43.26	18.0	26	0.010"	2"	2/12 silica sand	4/21/2011	23.35	19.91	22.75	20.51
01MW46	ALN357	1255896.632	245527.326	45.35	46.68	13.0	28.00	0.010"	2"	2/12 silica sand	9/13/2006	23.73	22.95	22.92	23.76
01MW52	BAB881	1255971.577	245618.067	43.74	43.50	14.0	24	0.010"	2"	2/12 silica sand	12/7/2007	23.64	19.86	22.98	20.52
01MW108	BLR565	1255919.98	245573.0267	45.24	44.94	30.0	35	0.020"	2"	10/20 silica sand	4/22/2019	24.82	20.12	24.23	20.71
CAA-4 Gravity Well	BNC553				58.59						2021	NM	NM	30.10	28.49
01MW48	APA847	1256198.778	245610.0044	45.01	44.72	27.0	32.00	0.010"	2"	2/12 silica sand	11/29/2006	22.51	22.21	NM	NM
01MW86	BHB252	1256215.03	245604.156	45.07	44.8	14.5	24.5	0.010"	2"	2/12 silica sand	4/20/2011	18.90	25.90	NM	NM
01MW105	BLR563	1256459.164	245454.8225	46.54	46.17	5.0	15	0.020"	2"	10/20 silica sand	4/22/2019	12.12	34.05	NM	NM
02MW16	BAH916	1256145.624	245768.794	27.516	27.135	5.0	15	0.020"	2"	10/20 silica sand	4/23/2015	8.81	18.33	NM	NM
02MW19	BLR574	1255911.379	245819.8369	21.89	21.63	3.0	13	0.020"	2"	10/20 silica sand	4/26/2019	3.63	18.00	NM	NM
01MW103	BLR564	1256429.688	245568.9101	46.48	45.79	7.0	17	0.020"	2"	10/20 silica sand	4/22/2019	dry, TD 17.07	<28.75	DRY	dry, TD 17.04'