

Transmitted via Electronic Mail

January 19, 2022

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

RE: **Quarterly Progress Report: October 1 through December 31, 2021**
Terminal 30 Cleanup Action Site, Cleanup Site ID # 4394
Consent Decree, Dated July 19, 2017

Dear Ms. Becker:

The Port of Seattle submits the attached Quarterly Progress Report for the Terminal 30 Cleanup Action per Section XI of the Consent Decree filed on July 19, 2017 (Consent Decree). 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 Roy Kuroiwa at 206-787-3814.

Sincerely,



Roy Kuroiwa
Project Coordinator
Port of Seattle

Distribution List:

Erin DeBroux – Northwest Seaport Alliance
Kelly Garber, Dana Brand – SSA Marine
Scott Silcox, Michael DeSota – Port of Seattle
Paul Kalina – AECOM

**Terminal 30 Cleanup Action Site
Consent Decree Dated July 19, 2017
Quarterly Progress Report: October 1 through December 31, 2021**

This report has been prepared in accordance with the requirements of the Terminal 30 (T-30) Cleanup Action Site Consent Decree between the State of Washington Department of Ecology (Ecology) and the Port of Seattle (Port). This progress report provides details on the following: 1) all on site activities; 2) any deviations from required tasks; 3) plans for recovering lost time and maintaining compliance with the schedule; 4) quality assurance/quality control review data received; and, 5) work planned for the upcoming 3-month period.

Summary of the On-Site Activities Performed During the Reporting Period

- The air sparging and soil vapor extraction (AS/SVE) system was operated and routine system checks were conducted throughout this reporting period. Vapor samples were collected on a monthly basis per the substantive equivalent recommendations of the Puget Sound Clean Air Agency (PSCAA) permit, which identifies monthly testing. Samples were collected on October 21, November 18, and December 22, 2021. All results achieved the destruction efficiency goal¹ of 90.0% during this reporting period.
- The performance and compliance groundwater monitoring event was completed on October 14, 2021. Samples were collected from six performance wells (MW-89, MW-39A, MW-42, RW-9, RW-11A, and MW-36A). One well (MW-59) was not sampled due to the presence of light non-aqueous phase liquid (LNAPL) with a measured thickness of approximately 0.9 feet).
- LNAPL recovery was completed on November 11, 2021. Approximately 44.3 gallons of LNAPL were extracted during this event from 8 recovery wells (MW-59, RW-1, RW-12, RW-103, RW-104, RW-106, RW-107, RW-110)

Deviations from Required Tasks

- None.

¹ The draft permit includes the following minimum destruction based on inlet TPH concentrations: efficiencies: $\geq 97\%$ if inlet TPH ≥ 200 ppmv; or $\geq 90\%$ if inlet TPH < 200 ppmv; or ≤ 10 ppmv TPH at the outlet of the control device, measured as hexane or equivalent. Inlet concentrations during this reporting period were below 200 ppmv.

Compliance with the Schedule

All key upcoming milestones from the Consent Decree are shown in Table 1, below. For future progress reports, this table will be modified to eliminate tasks and milestones that are completed.

Table 1: T 30 Upcoming Schedule Milestones

Milestone	Consent Decree Schedule	Port's Current Schedule	Status
EDR Deadline	January 19, 2019	December 20, 2018	Completed
Start date for Construction of AS/SVE & LNAPL Recovery System Deadline	January 19, 2020	July 8, 2019	Completed
Construction Completion	Not Listed	November 9, 2019	Completed
Performance and Compliance Groundwater Monitoring - Baseline Event	November 19, 2019	October 16-21, 2019	Completed
Construction Completion Report and the Final Operation, Maintenance, and Monitoring Plan	Not Listed	February 27, 2020	Completed
Performance Groundwater Monitoring – First Year 1 Event	Not Listed	April 2020	Completed
Performance Groundwater Monitoring – Second Year 1 Event	Not Listed	September 2020	Completed
Performance Groundwater Monitoring – First Year 2 Event	Not Listed	April 2021	Completed
Performance Groundwater Monitoring – Second Year 2 Event	Not Listed	October 2021	Completed
Performance Groundwater Monitoring – First Year 3 Event	Not Listed	April 2022	Pending
Performance Groundwater Monitoring – Second Year 3 Event	Not Listed	October 2022	Pending

Quality Assurance/Quality Control Data Collected

- Vapor samples were collected from the SVE system oxidizer inlet and outlet to confirm acceptable destruction efficiencies on October 21, November 18, and December 22, 2021. Performance groundwater monitoring samples were collected on October 14, 2021. A detailed summary of performance and compliance monitoring, including laboratory analytical reports, will be submitted with the Annual Report – Year 2 (First Quarter 2022).

Work Planned during the Upcoming Reporting Period

The following work is planned for the 1st Quarter 2022:

- AS/SVE system operation will continue as described in the Cleanup Action Plan (CAP). Per communication with PSCAA and in accordance with permit recommendations, future vapor monitoring will include field monitoring with a handheld photoionization detector (PID) every other week and collection of vapor samples for laboratory analysis once each quarter.
- Free product recovery and well gauging will continue per the schedule in the Compliance Monitoring Plan (CMP).
- The Annual Terminal 30 Site Performance Report – Year 2 will be submitted to Ecology. This report will summarize the second year of system operation, LNAPL gauging and recovery, and groundwater monitoring. This report will also provide an evaluation of system performance and provide conclusions and recommendations.
- Preparation for April 2022 compliance monitoring of all 16 performance, interior, and conditional point of compliance (CPOC) monitoring wells per the schedule in the CMP.

End Quarterly Progress Report