

Transmitted via Electronic Mail

July 15, 2022 – revised November 17, 2022

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

RE: **Quarterly Progress Report: April 1 through June 30, 2022**  
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 me 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  
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**Terminal 30 Cleanup Action Site  
Consent Decree Dated July 19, 2017  
Quarterly Progress Report: April 1 through June 30, 2022**

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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 as described in the Cleanup Action Plan (CAP). Vapor monitoring was conducted every other week per the substantive equivalent recommendations of the Puget Sound Clean Air Agency (PSCAA) permit, which identifies monthly testing. Monthly field monitoring was performed on April 12, April 28, May 13, and June 21. A vapor sample was collected for laboratory analysis on June 29, 2022. All results achieved the destruction efficiency goal<sup>1</sup> of 90.0% during this reporting period.
- A semi-annual performance and compliance groundwater monitoring event was completed on April 14 and 15, 2022. Samples were collected from two performance wells (MW-89 and RW-11A). One well (MW-89) was sampled in coordination with tidal elevation as described in the Compliance Monitoring Plan (CMP).
- LNAPL gauging was completed on April 14, 2022, May 12, 2022, and June 20, 2022, in accordance with the schedule provided in the CMP.
- LNAPL recovery was completed following gauging on May 12, 2022. Approximately 13.3 gallons of LNAPL were extracted during this event from 5 recovery wells (RW-1, RW-12, RW-103, RW-106, RW-107).

### **Deviations from Required Tasks**

- None.

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<sup>1</sup> The draft permit includes the following minimum destruction based on inlet TPH concentrations: efficiencies:  $\geq 97\%$  if inlet TPH  $\geq 200$  ppmv; or  $\geq 90\%$  if inlet TPH  $< 200$  ppmv; or  $\leq 10$  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.

**Table 1: T 30 Upcoming Schedule Milestones**

<b>Milestone</b>	<b>Consent Decree Schedule</b>	<b>Port's Current Schedule</b>	<b>Status</b>
Performance Groundwater Monitoring – Second Year 2 Event	Not Listed	October 2021	Completed
Performance Groundwater Monitoring – First Year 3 Event	Not Listed	April 2022	Completed
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 June 29, 2022. A detailed summary of performance and compliance monitoring, including laboratory analytical reports, will be submitted with the Annual Report – Year 2.

## **Work Planned during the Upcoming Reporting Period**

The following work is planned for the 3<sup>rd</sup> Quarter 2022:

- AS/SVE system operation will continue as described in the CAP. Per communication with PSCAA and in accordance with permit recommendations, vapor monitoring will continue to 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 CMP.
- The Annual Terminal 30 Site Performance Report – Year 2 will be finalized. 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 the October 2022 compliance monitoring of performance monitoring wells per the schedule in the CMP.

### **End Quarterly Progress Report**