

Transmitted via Electronic Mail

April 18, 2022

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

RE: **Quarterly Progress Report: January 1 through March 31, 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 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: January 1 through March 31, 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. 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. A vapor sample was collected for laboratory analysis on March 31, 2022. All results achieved the destruction efficiency goal<sup>1</sup> of 90.0% during this reporting period.
- LNAPL recovery was completed on February 17, 2022. Approximately 31.5 gallons of LNAPL were extracted during this event from 7 recovery wells (MW-35, MW-59, RW-1, RW-12, RW-106, RW-107, RW-110)

**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                     | 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 March 31, 2022. A detailed summary of performance and compliance monitoring, including laboratory analytical reports, will be submitted with the Annual Report – Year 2 (Second Quarter 2022).

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

The following work is planned for the 2<sup>nd</sup> 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, 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 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.
- April 2022 compliance monitoring of performance monitoring wells per the schedule in the CMP.

### **End Quarterly Progress Report**