

Transmitted via Electronic Mail

October 15, 2021

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

RE: **Quarterly Progress Report: July 1 through September 30, 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 - NWSA Alliance  
Kelly Garber, Dana Brand – SSA Marine  
Paul Kalina – AECOM  
Scott Silcox, Michael DeSota – Port of Seattle

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

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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 Soil Vapor Extraction (SVE) system and the Air Sparge (AS) system operated throughout the reporting period. Routine system checks have been conducted during the reporting period. Vapor samples were collected on a monthly basis per the requirements of the Puget Sound Clean Air Agency Permit, which requires monthly testing. Samples were collected on July 20, August 26 and September 30, 2021. All results have been within permit requirements with destruction efficiency measured between 97.8 and 98.9%, above the permit required threshold of 90.0<sup>1</sup>%.
- June 15, 2021 the AS system was offline due to an oil leak associated with the AS blower motor. AS blower motor was removed and serviced at a local repair shop from June 28 to July 16, 2021. The motor was reinstalled and restarted on July 24, 2021.
- Light non-aqueous phase liquid (LNAPL) recovery was completed on August 12, 2021.
- AECOM assumed operations, monitoring, and reporting responsibilities for the SVE/AS system at Terminal 30 in late September 2021.

### **Deviations from Required Tasks**

- The substation that served as the main power source to Terminal 30 and the SVE/AS system was damaged and the terminal and the SVE/AS system was temporarily powered by an on-site generator through August 2021. The SVE/AS system was shut down one day a week (generally Friday's) during this period for a few hours in the middle of the day while general maintenance is conducted on the power generator. The substation was brought back online in September and no generator maintenance shutdowns have been performed since September 13, 2021.
- The AS system was shut down on June 15, 2021 due to an oil leak detected associated with the AS blower motor. The motor was repaired and then brought back online on July 24, 2021.

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<sup>1</sup> The permit includes the following minimum destruction based on inlet TPH concentrations: efficiencies: ≥97% if inlet TPH ≥200 ppmv; or ≥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 the reporting quarter 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>
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	Pending

## **Quality Assurance/Quality Control Data Collected**

- Vapor samples were collected from the inlet and discharge flows of the SVE system to determine if destruction efficiencies are within acceptable permit thresholds. Samples were collected on July 20, August 26 and September 30, 2021. A detailed summary of performance and compliance monitoring, including laboratory analytical reports, will be submitted with the Annual Report – Year 2 (expected First Quarter 2022).

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

The following work is planned for the 4<sup>th</sup> Quarter 2021:

- AS/SVE system performance monitoring will continue during AS/SVE system operation.

- Free product recovery and well gauging will continue per the schedule in the Compliance Monitoring Plan (CMP).
- Semi-annual performance groundwater sampling event will be conducted on October 14, 2021.

**End Quarterly Progress Report**