

Transmitted via Electronic Mail

October 30, 2023

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, 2023**  
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, Jason Maxwell – 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: July 1 through September 30, 2023**

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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**

- Monthly light non-aqueous phase liquid (LNAPL) gauging was completed as described in the CMP on July 27, August 10, and September 14, 2023.
- Quarterly LNAPL recovery was completed following gauging on September 14, 2023. During that recovery event, approximately 11.70 gallons of LNAPL were extracted from 5 recovery wells (MW-35, RW-1, RW-12, RW-106, and RW-107).
- The AS/SVE system operated and routine operation and maintenance (O&M) was conducted throughout this reporting period as described in the Cleanup Action Plan (CAP). Vapor monitoring was conducted every other week, which exceeds the substantive equivalent recommendation of the PSCAA notice of construction (NOC) worksheet, which recommends monthly testing. During this quarter, vapor monitoring was conducted on July 5 and 19, August 4, 17, and 30, and September 12 and 28, 2023. A vapor sample was also collected for laboratory analysis on September 28, 2023. Based upon laboratory results for TPH-G (10.4 mg/m<sup>3</sup>) and the system flowrate (129 scfm), the average SVE removal rate for this period is 0.12 lb/day TPH-G. This was well below the 2.74 lb/day average associated with PSCAA's 1000 lb/year TPH emission threshold.

### **Deviations from Required Tasks**

- None.

### **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**

Milestone	Consent Decree Schedule	Port's Current Schedule	Status
Performance Groundwater Monitoring – First Year 3 Event	Not Listed	April 2022	Completed
Performance Groundwater Monitoring – Second Year 3 Event	Not Listed	October 2022	Completed
Performance Groundwater Monitoring – First Year 4 Event	Not Listed	April 2023	Completed
Performance Groundwater Monitoring – Second Year 4 Event	Not Listed	October 2023	Completed

**Quality Assurance/Quality Control Data Collected**

- Vapor samples were collected from the SVE system outlet to confirm allowable emission rates on September 28, 2023. A detailed summary of performance and compliance monitoring, including laboratory analytical reports, will be submitted with the annual report.

**Work Planned during the Upcoming Reporting Period**

The following work is planned for the 4<sup>th</sup> Quarter 2023:

- AS/SVE system operation is planned to 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. The AS/SVE system will continue to emit direct to atmosphere with continued monitoring as described above.
- The Second Year 4 Performance Groundwater Monitoring event will include MW-89, RW-11A, MW-36A, MW-39A, MW-42 and RW-9 on October 12, 2023. MW-59 will not be sampled as LNAPL was encountered at a thickness greater than 0.01 foot within the last 4 quarters of monitoring (in January 2023).
- Monthly LNAPL gauging will continue, and quarterly LNAPL recovery will be performed in December.
- Alternatives for LNAPL management will also be evaluated - including alternative methods, frequencies, and to determine recommendations for most effective future management practices based upon current limited residual thicknesses and asymptotic decline in recovery volumes.
- The Annual Terminal 30 Site Performance Report – Year 2 will be submitted to Ecology in the first half of the quarter. 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.

- The Annual Terminal 30 Site Performance Report – Year 3 will be submitted to Ecology in the second half of the quarter. This report will summarize the third year of system operation, LNAPL gauging and recovery, groundwater monitoring, and associated conclusions and recommendations.
- We would like to schedule a Teams call or in-person meeting with Ecology to review site information and discuss future monitoring and recovery methods.

**End Quarterly Progress Report**