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**Status Report for Third Quarter 2022
Port of Seattle Terminal 91 Site
Agreed Order Numbers DE 8938 and DE 24768**

October 6, 2022

Dear Christa,

This quarterly status report for the Terminal 91 Site (T91 Site) is submitted to you on behalf of the Port of Seattle (Port) as required under the terms of:

- Agreed Order No. DE 8938, amended by the First Amendment to Agreed Order (January 2016) (subsequent Agreed Order references here include this amendment) between the Port and the Washington Department of Ecology (Ecology); and,
- Agreed Order No. DE 24768 between the Port and Ecology.

This quarterly status report fulfills the required reporting for both agreed orders. The status reports are combined because the T91 Site is regulated as a single site under the Resource Conservation and Recovery Act (RCRA) due to historic permitted hazardous waste operations at the site. Agreed Order DE 8938 describes ongoing work in the up-lands portion of the T91 Site (hereafter referred to as Upland Areas); the portions of Agreed Order DE 8938 related to submerged lands have been satisfied. Agreed Order DE 24768 describes work for the Remedial Investigation (RI) in the submerged lands portion of the T91 Site (hereafter referred to as Submerged Lands).

1 Work Performed

Work performed during the period from April through June 2022 (Second Quarter) applicable to the entire T91 Site includes, by report:

- The Status Report for Second Quarter 2022(Mott MacDonald [MM] 2022) was submitted on July 20, 2022

Subarea-specific work in this time period is described in the sections below.

1.1 Upland Areas – Agreed Order DE 8938

Tank Farm Affected Area

- Consistent with the Compliance and Monitoring Plan (CMP) (PES Environmental [PES] 2013a), and subsequent approvals (PGG 2019, Ecology 2021a), groundwater sampling and water level snapshots occur on an annual basis in August of each year. The next event is in August 2023.
- The quarterly light non-aqueous phase liquid (LNAPL) monitoring event at the Tank Farm Affected Area (TFAA) was performed on August 25, 2022 by MM, on behalf of the Port. The scope of work is described in the Operations and Maintenance (O&M) Plan (PES 2013b). The following observations were made and/or actions were performed:
 - LNAPL thicknesses ranged from sheen to 0.09 feet, consistent with previous measurements. LNAPL recovery was not performed because LNAPL thicknesses were less than 0.25 feet.

Discrete Units

- No actions were conducted nor work products required for the discrete units during this quarter.

Submerged Lands

- Ecology approved the final deliverable for the submerged lands preliminary investigation by letter dated September 28, 2018. There are no remaining work products or deliverables for the submerged lands under Agreed Order DE 8938.

1.2 Submerged Lands – Agreed Order DE 24768

- Windward Environmental conducted RI sediment investigations.
 - The RI field investigations are complete and validated data is incorporated into the T-91 RI database.

2 Problems, Solutions and Deviations from Work Plans

This section describes deviations from the respective Agreed Order scopes of work or associated work plans developed under the Agreed Orders.

2.1 Uplands Areas

The annual groundwater monitoring event and water level snapshot schedule was adjusted from May to August of each year beginning in 2021 and for future monitoring events.

2.2 Submerged Lands Areas

- There were no significant deviations from work plans during the reporting quarter.

3 Projected Work for October through December 2022 (Q4)

The sections below describe the work anticipated to be performed in the Uplands and Submerged Lands portions of the T91 Site in the next quarter.

3.1 Uplands Areas

Planned work in the Uplands area will occur in the Tank Farm Affected Area (TFAA).

- PGG, on behalf of the Port, plans to perform quarterly LNAPL gauging in November 2022, as described in the CMP (PES 2013a) and O&M Plan (PES 2013b).

3.2 Submerged Lands Areas

Windward Environmental, on behalf of the Port, will continue preparation of the Remedial Investigation Report.

4 Significant Findings, Personnel Changes, Contacts

Unless otherwise reported elsewhere in this report, there were no other significant findings, personnel changes, or contacts during the previous quarter.

5 Closing

MM's work was performed using generally accepted hydrogeologic practices at this time and in this vicinity, for exclusive application to the T91 Site, and for the exclusive use by the Port of Seattle and its legal counsel. This is in lieu of other warranties, express or implied.

Please feel free to contact me if you have any questions or comments regarding this quarterly status report.

Regards,



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cc:

Christa Colouzis, Department of Ecology
Kathy Bahnick, Port of Seattle
Joanna Florer, Port of Seattle (PDF only)
Elizabeth Black, Port of Seattle (PDF only)
Brian Knox, K&L Gates (PDF only)
Glen Wallace, PGG (PDF only)
Janet Knox, PGG (PDF only)
Susan McGroddy, Windward (PDF only)

Attachments:

Updated Agreed Order No. DE 8938 Exhibit C (Revised 1/8/2019)

References

Ecology, 2019. Letter from Tom Mackie, Re: Approval: transition to Annual Confirmational Monitoring in the Tank Farm Affected Area. September 18, 2019.

Ecology, 2021a. Letter from Tom Mackie, Re: Approval: transition to Annual Confirmational Monitoring in the Tank Farm Affected Area Approval (with comments) of Annual Compliance Monitoring Report (November 2019 through August 2020) Terminal 91 Tank Farm Affected Area Seattle, Washington. January 8, 2021.

Ecology, 2021b. Letter from Christa Colouzis, Re: Ecology/Port of Seattle Agreed Order No. DE 24768, Approval of RI WP – Terminal 91 Facility Seattle, Washington. June 3, 2021.

Pacific Groundwater Group [PGG], 2019 TFAA Compliance Monitoring Recommendation and Statistical Analysis, Port of Seattle Terminal 91 Site. August 20, 2019.

Mott MacDonald [MM], 2022. Status Report for Second Quarter 2022, Port of Seattle– Terminal 91 Site. Prepared for Port of Seattle. July 20, 2022.

PES Environmental, 2013a. Compliance Monitoring Plan, Terminal 91 Tank Farm Clean-up, Port of Seattle, Seattle, Washington. Prepared for Port of Seattle. July 11, 2013.

PES Environmental, 2013b. Operation and Maintenance Plan, Terminal 91 Tank Farm Cleanup, Port of Seattle, Seattle, Washington. Prepared for Port of Seattle. July 11, 2013.

Windward Environmental, 2021. Remedial Investigation Work Plan – Final. Prepared for Port of Seattle. June 3, 2021.