

# Quarterly Progress Report

July 20, 2020

To: Garin Schrieve, PE, Washington State Department of Ecology  
From: Nicole LaFranchise and Kendra Skellenger, PE, Anchor QEA, LLC  
cc: Kristin Gaines, Millennium Bulk Terminals – Longview, LLC, and  
Michele Maidman, Northwest Alloys, Inc.

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**Re: Former Reynolds Metals Remediation – Quarterly Progress Report, 2020 Q2**

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Per Section XI of the Consent Decree (CD) issued by the State of Washington Cowlitz County Superior Court on December 14, 2018, Anchor QEA, LLC, is providing the following quarterly progress report on behalf of Millennium Bulk Terminals – Longview, LLC (MBT-Longview), and Northwest Alloys, Inc. This quarterly progress report describes the actions taken during the previous quarter (between April 1 and June 30, 2020) to implement the requirements of the CD.

## **A. List of on-site activities that have taken place during the quarter**

- The second quarter 2020 groundwater sampling occurred April 13 through 15, 2020.
- A second pre-design investigation (PDI) mobilization (PDI2) was conducted on April 15 and 16, 2020, following submittal of the “Pre-Design Investigation Work Plan Addendum: Refinements to the Permeable Reactive Barrier Alignment” memorandum to the Washington State Department of Ecology (Ecology) on April 10, 2020, and approval by Ecology on April 13, 2020. The PDI2 effort included hydraulic profiling to establish higher areas of hydraulic conductivity for field screening fluoride. The investigation included two push probe locations in the vicinity of PDI-PRB-DP-03.
- Surveys of the U-Ditch and former cryolite ditches were conducted on April 16 and 17, 2020, and utility locates and associated surveys, including survey of Site Unit (SU) 5, were conducted on May 22, 2020. This information is needed to inform the design.
- The Former Reynolds Metals Company (RMC) Longview Ecology Update Meeting No. 2 conference call with Ecology, MBT-Longview, Northwest Alloys, and Anchor QEA was held on May 1, 2020. Discussion included the permeable reactive barrier (PRB) fluoride screening results from the PDI and PDI2, design alignment, landfill consolidation/cap design and geotechnical data receipt update, and the *Sampling Location Study Work Plan* review process.
- The Former RMC Longview Ecology Update Meeting No. 3 conference call was held on June 16, 2020. Discussion included the adjusted Draft Engineering Design Report (EDR) content to maintain the current schedule. The content of the design should catch up during the preparation of the Revised EDR as long as the geotechnical laboratory stays on the anticipated schedule.

- Additional groundwater was collected from RL-2S on June 16, 2020, to conduct an additional column test on a blend of activated carbon and bone char to further refine the PRB model and design.

**B. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests**

None.

**C. Description of all deviations from the Scope of Work and Schedule (Exhibit C) during the current quarter and any planned deviations in the upcoming quarter**

Due to a delay in receiving the geotechnical data, MBT-Longview and Northwest Alloys proposed to adjust the content of the Draft EDR. Some of the draft design, specifically the SU6 and SU7 consolidation areas, will be at 30% rather than 60%. This was discussed with Ecology during the June 16, 2020, Ecology Update Meeting No. 3.

**D. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule**

None.

**E. Summary of all environmental data received by Owner and Operator during the past quarter**

Environmental data were received by MBT-Longview and Northwest Alloys during the past quarter for PDI2, including fluoride screening data in the vicinity of PDI-PRB-DP-03. PDI2 data will be reported in the PDI Data Summary Report that will be an appendix to the Draft EDR. Data were also received for the second quarter interim groundwater monitoring program. Those data will be reported in the *2020 Annual Groundwater Monitoring Report*.

**F. (At Ecology's request) All raw data, including laboratory analyses and an identification of the source of the sample**

No data were requested.

**G. List of deliverables for the upcoming quarter, if different from the schedule**

There are no changes to the CD Scope of Work schedule.

**H. References**

There are no applicable references.