

Quarterly Progress Report

July 20, 2022

To: Garin Schrieve, PE, Washington State Department of Ecology
From: Nicole LaFranchise and Kendra Skellenger, PE, Anchor QEA, LLC
cc: Kristin Gaines and Cheryl Vezzani, Northwest Alloys, Inc.

Re: Former Reynolds Metals Remediation – Quarterly Progress Report, 2022 Q2

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 Northwest Alloys, Inc. (NWA). This quarterly progress report describes the actions taken during the previous quarter (April 1 to June 30, 2022) to implement the requirements of the CD.

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

- On April 4, 2022, Anchor QEA sent a shoreline reconnaissance walk coordination email to the Washington State Department of Ecology (Ecology) that provided the criteria outlined in the *Sampling Location Study Work Plan* (SLSWP). Anchor QEA provided weekly weather updates until the shoreline walk occurred on May 25, 2022.
- The Former Reynolds Metals Company (RMC) Longview Ecology Update Meeting No. 13 with Ecology, NWA, and Anchor QEA was held via Webex on April 5, 2022. Discussion included a fluoride treatability study update with preliminary results of the alumina batch and column tests and a stormwater design walkthrough.
- The Former RMC Longview Ecology Update Meeting No. 14 with Ecology, NWA, and Anchor QEA was held via Webex on April 15, 2022. Discussion included remediation water management and review of stormwater-specific Ecology comments on the *Revised Engineering Design Report*.
- The second quarter 2022 groundwater monitoring occurred April 26 through 28, 2022.
- The Former RMC Longview Ecology Update Meeting No. 15 with Ecology, NWA, and Anchor QEA was held via Webex on May 3, 2022. Discussion included reviewing Ecology comments related to reactive backfill and permeable reactive barriers (PRBs), including design details around reactive backfill in ditches, and PRB long-term monitoring and contingency planning.
- The Former RMC Longview Ecology Update Meeting No. 16 with Ecology, NWA, and Anchor QEA was held via Webex on May 17, 2022. Discussion included Ecology comments related to remediation water design, financial assurance, and landfill repair scenarios. Suggested changes to PRB long-term monitoring well placement at the northwest corner of the Closed Black Mud Pond Facility were also discussed.

- The shoreline reconnaissance walk was conducted on May 25, 2022. No seeps were observed. Details will be reported in the *Sampling and Quality Assurance Project Plan for Post-Construction Monitoring*.
- On June 21, 2022, Anchor QEA submitted the "Preliminary Cost Estimates for Financial Assurance" memorandum and the updated geochemical appendices—*Reactive Backfill Report* (Appendix G), *Treatability Study Report* (Appendix I), and *Permeable Reactive Barrier Modeling Report* (Appendix J)—to Ecology for discussion during the Former RMC Longview Ecology Update Meeting No. 17.
- The Former RMC Longview Ecology Update Meeting No. 17 with Ecology, NWA, and Anchor QEA was held via Microsoft Teams on June 28, 2022. Discussion included the financial assurance memorandum and geochemical appendices submitted on June 21, 2022; the shoreline sampling reconnaissance walk; Site Unit (SU) 11 and SU9 removals; West Landfill drainage; and project permitting status.

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

None.

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 during the past quarter

Data were received for the second quarter interim groundwater monitoring program. Those data will be reported in the *2022 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.

H. References

There are no applicable references.