

Quarterly Progress Report

October 20, 2022

To: Garin Schrieve, PE, Washington State Department of Ecology
From: Nicole Forsberg 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 Q3

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 (July 1 to September 30, 2022) to implement the requirements of the CD.

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

- The third quarter 2022 groundwater monitoring occurred July 20 and 21, 2022.
- On August 23, 2022, Anchor QEA submitted an updated *Reactive Backfill Report* (Appendix G to the *Final Revised Engineering Design Report* [Final Revised EDR]) to the Washington State Department of Ecology (Ecology) for discussion during the Former Reynolds Metals Company (RMC) Longview Ecology Update Meeting No. 18. The report incorporated updates to the reactive backfill modeling per Ecology comments and the activated alumina doses by site unit (SU).
- The Former RMC Longview Ecology Update Meeting No. 18 with Ecology, NWA, and Anchor QEA was held via Webex on August 24, 2022. Discussion included design and implementation schedule, reactive backfill dosing and permeable reactive barrier (PRB) safety factor, and financial assurance feedback from Ecology on the "Preliminary Cost Estimates for Financial Assurance" memorandum that was provided to Ecology on June 21, 2022.
- The Final Revised EDR was submitted to Ecology on August 29, 2022.
- On September 12, 2022, Anchor QEA sent a coordination email to Ecology for the dry season shoreline walk specified in the *Sampling Location Study Work Plan*.
- The second and final shoreline reconnaissance walk was conducted on September 16, 2022. No seeps were observed. Details will be reported in the *Compliance Monitoring and Contingency Response Plan*.
- On September 20, 2022, Anchor QEA submitted the "Pre-Design Investigation Work Plan Addendum: Ground Improvement Sampling and Bench Scale Testing" memorandum (PDI WP Addendum No. 4) to Ecology. This additional pre-design investigation sampling is being conducted to further delineate the extent of both the peat layer and waste material at the

margins of SU7 and to help in determining the appropriate rate of cement grout to be applied through the ground improvements as part of the remediation.

- On September 22, 2022, Ecology concurred that the approach outlined in the PDI WP Addendum No. 4 is reasonable and approved the PDI WP Addendum No. 4. The work is scheduled to occur on October 17 and 18, 2022.

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 third 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.