

Quarterly Progress Report

January 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, 2021 Q4

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 (October 1 to December 31, 2021) to implement the requirements of the CD.

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

- The fourth quarter 2021 groundwater sampling occurred October 19 to 21, 2021.
- On October 7, 2021, an ad-hoc conference call with Washington State Department of Ecology (Ecology), NWA, and Anchor QEA was held to provide answers to Ecology's questions on the DeWind OnePass technology, the stormwater design, and the future demolition planned for the site.
- On October 29, 2021, Anchor QEA provided response to Ecology's preliminary geotechnical comments on the geotechnical engineering appendix that had been provided during the Former Reynolds Metals Company (RMC) Longview Ecology Update Meeting No. 9 conference call on September 9, 2021.
- On November 9, 2021, Ecology provided comments on the *Revised Engineering Design Report* (Revised EDR).
- The Former RMC Longview Ecology Update Meeting No. 10 conference call with Ecology, NWA, and Anchor QEA was held on December 3, 2021. Discussion included Ecology's comments and questions on the design components in the Revised EDR. The addition of another deliverable, the *Final Revised Engineering Design Report* (Final Revised EDR), was also discussed. To advance an understanding between the parties, two memoranda will also be prepared and submitted to Ecology. The first memorandum will discuss long-term monitoring for the permeable reactive barriers (PRBs) and will be submitted to Ecology in advance of the next meeting, planned for February 2022. The second memorandum will discuss the reactive backfill design and will be submitted to Ecology in February 2022. Long-term monitoring and reactive backfill design are topics of ongoing discussion between Ecology, NWA, and Anchor QEA to ensure remedy effectiveness is being met in design.

- On December 17, 2021, the Joint Aquatic Resource Permit Application was submitted to the Seattle District U.S. Army Corps of Engineers (USACE) for the MTCA cleanup actions. On December 17, 2021, the Federal Encroachment Permit Application was submitted to the Consolidated Diking Improvement District (CDID). Upon CDID review of the application and issuance of a Letter of No Objection, CDID will forward the application package to the Portland District USACE for Section 408 review.

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

On December 3, 2021, NWA and Anchor QEA discussed an additional deliverable with Ecology. This deliverable, the Final Revised EDR, will update the design to near-100%. The inclusion of this deliverable will provide Ecology with more design certainty before the U.S. Army Corps of Engineers is expected to issue final permits for the project, which may, per the CD Schedule of Work and Deliverables, require updates to the *Final Engineering Design Report*.

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 fourth quarter interim groundwater monitoring program. Those data will be reported in the *2021 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 Schedule of Work.

H. References

There are no applicable references.