



Memorandum

January 20, 2021

To: Garin Schrieve, PE.
Washington Department of Ecology
Industrial Section

From: Michele Maidman, Alcoa Corp. - Northwest Alloys

cc: Kristin Gaines (ICON) – Alcoa Corp-Northwest Alloys
Sarah Pappert, Alcoa

Re: Former RMC Longview Site Remediation – Quarterly Progress, Q4 2020

Per Section XI of the Consent Decree (CD) issued by the State of Washington Cowlitz County Superior Court on December 14, 2018, Northwest Alloys, Inc. is providing the following quarterly progress report. This quarterly progress report describes the actions taken during the previous quarter (October 1 and 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 2020 groundwater sampling occurred October 12 through 14, 2020.
- Two geotechnical stability review meetings were held with Ecology, MBT-Longview, Northwest Alloys, and Anchor QEA on November 12, 2020 and December 4, 2020. Discussion in November included an overview of the geotechnical investigations and evaluations, engineering solutions for landfill stability, and other topics for Dam Safety review. The meeting in December included follow-up on Dam Safety's soil parameter questions from the November meeting, discussion on landfill cover movement during seismic events, and schedule for Ecology's Draft EDR comments and submittal of the Revised EDR.
- Additional organic content and Atterberg limits were requested from the geotechnical lab in response to Ecology's geotechnical questions
- Ecology's comments on the Draft EDR were received on December 8, 2020. A comment response matrix will be provided with the Revised EDR and comments will be addressed in the document.

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

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

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

- Due to MBT filing Chapter 11 in early December, the schedule is delayed. Revised schedule to be determined.

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

Data were received for the fourth quarter interim groundwater monitoring program. Those data will be reported in the *2020 Annual Groundwater Monitoring Report*.

The last of the geotechnical data from the pre-design investigation was received on November 13, 2020 and will be included in the Revised EDR. This geotechnical data included:

- Remaining moisture content, Atterberg Limit, consolidation, and CU triaxial compressibility results for undisturbed samples

Additional information and geotechnical data requested from the lab in response to Ecology's geotechnical questions were received on December 14, 2020 and included:

- Laboratory worksheet verifying select samples should be classified as "organic" per Atterberg limit testing
- Consolidation loading data to verify the coefficient of consolidation (Cv) values presented by HWA

These data will be incorporated into the Revised EDR.

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

H. References

There are no applicable references.