

AUG 31 2018

DRC-2018-009073

Rio Algom Mining LLC

August 30, 2018

Mr. Scott T. Anderson
Utah Division of Environmental Quality
Division of Waste Management and Radiation Control
PO Box 144880
195 North, 1950 West
Salt Lake City, Utah
84114-4880

**RE: Geotechnical Investigation Report: Rio Algom Mining, LLC Lisbon Utah Facility,
Upper and Lower Tailing Impoundments
Radioactive Material License Number UT 1900481**

Dear Mr. Anderson:

Rio Algom Mining LLC (RAML) respectfully submits the attached *Geotechnical Investigation Report: Rio Algom Mining, LLC Lisbon Utah Facility, Upper and Lower Tailing Impoundments* (GIR) to document the results of the closed tailing impoundments characterization at the Rio Algom Mining, LLC (RAML) Lisbon Facility. This Geotechnical Investigation Report was completed in support of the Hydrogeological Supplemental Site Assessment (HSSA) and was performed in accordance with the HSSA Work Plan Addendum 2 submitted March 4, 2016 (INTERA, 2016). The purpose of the work proposed in the HSSA Work Plan Addendum 2 was to:

- (1) characterize the final cover and tailings at the Upper Tailing Impoundment (UTI) and Lower Tailing Impoundment (LTI) and
- (2) assess the performance of the impoundment covers and develop source-term data for the flow and transport model of the HSSA.

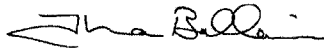
The information documented in this Geotechnical Investigation Report (GIR) is the geotechnical characterization of the UTI and LTI. The second task of the HSSA Work Plan Addendum 2, water balance performance assessment and source-term development, is documented in the *Tailing Impoundments Water Balance Modeling Report: Cover Performance Assessment of the Upper and Lower Tailing Impoundments* (TIWB) (INTERA, 2018b) submitted under separate cover.

The work documented in this GIR and the TIWB support the work completed under the HSSA Work Plan (INTERA, 2015) and documented in the *Hydrogeological Supplemental Site Assessment* (HSSA Report) (INTERA, 2018a).

I may be reached at (209) 736-4803 if you have any questions.

Sincerely,

Rio Algom Mining Company LLC

A handwritten signature in black ink, appearing to read "Theresa Ballaine". The signature is fluid and cursive, with a long horizontal line extending from the end.

Theresa Ballaine
Site Manager

Enclosure

cc: Phil Goble (email only)
Jason Nguyen, LM DOE (email only)