Div of Waste Management and Radiation Control

AUG 3 1 2018

Rio Algom Mining LLC

DRC-2018-009072

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: Tailing Impoundments Water Balance Modeling Report: Cover Performance Assessment of the Upper and Lower Tailing Impoundments Rio Algom Mining, LLC, Lisbon Facility Radioactive Material License Number UT 1900481

Dear Mr. Anderson:

Rio Algom Mining LLC (RAML) respectfully submits the attached *Tailing Impoundments Water Balance Modeling Report: Cover Performance Assessment of the Upper and Lower Tailing Impoundments* (TIWB) for the Rio Algom Mining, LLC (RAML) Lisbon Facility. This Water Balance Modeling 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 Water Balance Modeling Report is the performance assessment of the impoundment covers of the UTI and LTI and the source-term data development. The first task of the HSSA Work Plan Addendum 2, characterize the closed tailing impoundments, is documented in the *Geotechnical Investigation Report: Rio Algom Mining, LLC Lisbon Utah Facility, Upper and Lower Tailing Impoundments* (GIR) (INTERA, 2017).

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

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

Sincerely,

Rio Algom Mining Company LLC

Tha Ballai

Theresa Ballaine Site Manager

Enclosure

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