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

Theresa Ballaine
Site Manager

Enclosure

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