

Rio Algom Mining LLC

May 26, 2022

ATTN: Mr. Thomas Lancaster

United States Nuclear Regulatory Commission
Mail Stop T5-A10
Washington, DC 20555-0001

Re: Rio Algom Mining LLC – Ambrosia Lake West Mill

License SUA-1473, Docket No. 40-8905

Work Plan for the Rio Algom Mining LLC Ambrosia Lake West Mill Site: Geotechnical Characterization for Disposal Cell 4 Candidate Locations.

Dear Mr. Lancaster,

Rio Algom Mining LLC (RAML) is pleased to submit the enclosed *Work Plan for the Rio Algom Mining Ambrosia Lake Mill Site: Geotechnical Characterization for Disposal Cell 4 Candidate Locations* ("the work plan") for your review. The work plan describes the approach for completing geotechnical characterization required to select a location for the proposed future "cell 4" byproduct material¹ disposal cell at the Ambrosia Lake West (ALW) mill. The work plan also describes characterization work to identify and characterize local borrow material to design and ultimately construct an appropriate cover for proposed cell 4.

RAML plans to conduct the activities described in the work plan under its existing Radiation Protection and Environmental Monitoring program, including the requirements of SUA-1473 condition 15, which reads as follows:

"The licensee shall be required to use a Radiation Work Permit (RWP) for all work where the potential for significant exposure to licensed radioactive material exists and for which no SOPs exist. All RWPs shall be approved by the Radiation Safety Officer (RSO), or a designee qualified by way of specialized radiation protection training. The RWP shall describe the following:

- A. The scope of work to be performed.*
- B. Any precautions necessary to reduce exposures to radioactive materials.*
- C. Supplemental monitoring required prior to, during, and after the completion of the work."*

Section 4.3 of the enclosed work plan describes RAML's intent to perform this work under the existing SUA-1473 Radiation Protection and Environmental Monitoring program, including control of work via 1) an RWP and 2) applicable site standard operating procedures.

The scope described in the work plan is being executed independent of a license requirement and does not seek to modify, amend, or update license requirements previously issued by the Nuclear Regulatory Commission (NRC). For these reasons, it is RAML's understanding that a license

¹ [10 CFR 40.4](#)

amendment is not required for the completion of the proposed work; the work plan is being provided to NRC at staff request and as a courtesy.

If you have any questions or need additional information, please do not hesitate to call me at (916) 947-7637.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sandra L. Ross".

Sandra L. Ross, P.G.
Site Manager
Rio Algom Mining LLC

cc: Document Control