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October 10, 2019

Shannon Allerston  
Regulatory Specialist  
Mackenzie Valley Land and Water Board  
7th Floor, 4910-50th Avenue  
PO Box 2130  
Yellowknife, NT X1A 2P6

**RE: Giant Mine Remediation Project – MV2007L8-0031 and MV2019X007– Response to Information Requests from Technical Session #2**

Dear Ms. Allerston,

Crown-Indigenous Relations and Northern Affairs Canada, on behalf of the Giant Mine Remediation Project (GMRP) Team is pleased to submit the following response to Information Requests #1 through 10, as requested during Technical Session #2 held September 11 to 13, 2019:

- Information Request #1 is an update to Appendix 5.0 of the Closure and Reclamation Plan based on the feedback received during the September Closure Criteria Workshop and Technical Session;
- Information Request #2 provides the predicted proportion of Baker Creek flow from engineered covers of the Tailings Containment Areas, Mill Pond and Calcine Pond, along with context as to why the Metal and Diamond Mining Effluent Regulation (MDMER) criteria are an appropriate basis for decisions about whether to continue collection and treatment;
- Information Request #3 is an effluent quality criteria for chloride and sulfate based on concentrations that can be technologically achieved in effluent discharged from the effluent treatment plant;
- Information Request #4 is the calculated concentrations of chloride and sulphate in the water treatment plant effluent that would result in meeting site-specific water quality objectives at the edge of the mixing zone;
- Information Request #5 provides the predicted concentration of chloride and sulphate in the water treatment plant effluent;
- Information Requests #6 & #7 provides a proposed effluent quality criteria for total ammonia and nitrate;
- Information Request #8 provides the validation of site specific water quality objectives for chloride, potassium and nitrate that were developed for other mine sites and are proposed for the GMRP;
- Information Request #9 provides a map of surface boreholes on the site, where coordinates were available, from the GMRP borehole database; and
- Information Request #10 is an updated equipment list for the GMRP.



Should you require any further information or require clarification, please contact the undersigned by telephone at (867) 669-2823 or by email at [Natalie.Plato@Canada.ca](mailto:Natalie.Plato@Canada.ca).

Sincerely,

A handwritten signature in blue ink that reads "Natalie Plato". The signature is fluid and cursive, with the first name "Natalie" written in a larger, more prominent script than the last name "Plato".

Natalie Plato  
Deputy Director  
Crown-Indigenous Relations and Northern Affairs Canada  
Giant Mine Remediation Project

Encl.