



September 8<sup>th</sup> 2020

Crown Indigenous Relations and Northern Affairs Canada – CARD GIANT  
P.O. Box 1500  
4923 52<sup>nd</sup> Street  
Yellowknife, NT  
X1A 2R3

Attention: Ms. Natalie Plato, Giant Mine Remediation Project

**RE: August 6<sup>th</sup> 2020 SNP 43-1 Water Sampling**

Dear Ms. Plato

Water samples were taken by Resource Management Officer Tim Morton on August 6<sup>th</sup> 2020 from SNP station 43-1. The below results have been compared to the discharge criteria listed in Part F condition #26 of the draft water licence MV2007L8-0031. Please note that this licence is not in force and has currently been forwarded to the Minister of Northern Affairs for approval.

Below is a summary of the results:

Parameter	Water Licence Limit	Results
Total Ammonia	0.97 mg/L	0.013 mg/L
Total Arsenic	0.3 mg/L	0.213 mg/L
Chloride	660 mg/L	369 mg/L
Total Copper	0.03 mg/L	0.006 mg/L
Total Lead	0.003 mg/L	0.0011 mg/L
Total Nickel	0.1 mg/L	0.0074 mg/L
Nitrate (as N)	13 mg/L	1.07 mg/L
Sulphate	1310 mg/L	1050 mg/L
Total Zinc	0.1 mg/L	0.002 mg/L
Total Suspended Solids	15 mg/L	6 mg/L
Total Petroleum Hydrocarbons	3 mg/L	<0.2 mg/L
pH	6.5 to 8.5	8.07

There were no parameters of concern identified by the sample results. Please contact the undersigned inspector if you have any questions or concerns.

Thank you,

Tim Morton  
Resource Management Officer (Inspector)  
Land and Resource Management Division  
Crown Indigenous Relations and Northern Affairs Canada

cc. MVLWB, CIRNAC CARD, Parsons, CIRNAC Resource and Land Management