



Snap Lake Environmental Monitoring Agency
Main Floor, Lahm Ridge Tower
4501 Franklin Avenue
P.O. Box 95, Yellowknife, NT X1A 2N1
Phone: 867-765-0961 FAX: 867-765-0963
Website: www.slema.ca

Marc Casas
Regulatory Officer
Mackenzie Valley Land and Water Board
7th Floor – 4910 50th Avenue
P.O.Box 2130
Yellowknife, NT X1A 2P6

File: Water Licence MV2011L2-0004

October 9, 2015

Re: SNP – TDS Correlation with Inline Parameters

Dear Mr. Casas,

Snap Lake Environmental Monitoring Agency (SLEMA) has reviewed De Beers' Report on Correlation between On-Site and Laboratory Measurements of Chloride and TDS dated September 24, 2015, and would like to provide the following comments.

Based on De Beers' statistical analysis on on-site and laboratory measurements of Chloride and TDS, SLEMA agrees that

- It is not appropriate to base operational decisions on the in-line chloride analyzer, nor to monitor operational compliance on this basis.
- In-line electrical conductivity is a better indicator for operational control.

As a result, SLEMA supports De Beers' request to change the requirements for sampling and reporting daily in-house chloride per Annex A; Part A.1; SNP 02-17b from *"daily on-site in-house chloride"*, to *"daily, on-site, in-line electrical conductivity"*.

If you have any questions whatsoever please feel free to contact the undersigned or Philippe di Pizzo at 867-765-0961 / exec@slema.ca.

Sincerely,

Original signed by

Philippe di Pizzo
Executive Director