



**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](http://www.slema.ca)**

March 2, 2015

Erica Bonhomme  
Environmental Manager, Snap Lake Mine  
De Beers Canada Inc.  
Suite 300, 5120 49th Street  
Yellowknife, NT X1A 1P8

File: Water Licence MV2011L2-0004  
SLEMA Modeling Update

Dear Ms. Bonhomme,

The Snap Lake Environmental Monitoring Agency (SLEMA) would like to follow up on its letter of November 27, 2014 to De Beers and your reply dated December 15, 2015, as well as De Beers' notice of February 25, 2015 which we have reviewed.

De Beers stated in the notice that TDS levels at SNP 02-20e and SNP 02-20f were above 75% of the Aesthetic Objective of 500 mg/L on January 18 and 20, 2015 and triggered the low action level in the AEMP. De Beers suggested that additional investigation as to the cause of the action level exceedance was unnecessary due to no harmful effects to the aquatic environment or to human health, and the regulatory review of two amendment applications.

TDS data at SNP 02-20 in January 2015 are as follow.

SNP Station	02-20d	02-20e	02-20f	02-20g	Average
Calculated TDS, mg/L	353	380	376	371	370

Based on what happened in SNP 02-20 and SNP 02-18 (Whole Lake Average) last May, it is believed that TDS level at SNP 02-18 might exceed the current water licence limit of 350 mg/L.

TDS, mg/L	SNP 02-20	SNP 02-18
May 2014	369.5	361
January 2015	370	?



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