



**Snap Lake Environmental Monitoring Agency**  
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Marc Casas  
Regulatory Officer  
Mackenzie Valley Land and Water Board  
7<sup>th</sup> Floor – 4910 50<sup>th</sup> Avenue  
P.O.Box 2130  
Yellowknife, NT X1A 2P6

File: Water Licence MV2011L2-0004

February 26, 2013

**Re: 2012 Plume Characterization Study Report**

Dear Mr. Casas,

Snap Lake Environmental Monitoring Agency (SLEMA) has reviewed the 2012 Plume Characterization Study Report. SLEMA would like to provide the Mackenzie Valley Land and Water Board (MVLWB) with the following comments.

The Submission concludes that the performance of the existing minewater outfall is expected to meet the accepted Environmental Assessment Report (EAR) predictions for mixing, so long as air is minimized in the discharge, and the potential influence of stratified conditions during the early open-water season should be further reviewed through ongoing estimations of existing and predicted mixing for this season.

SLEMA is concerned about the air entrainment issue of the diffuser plume and the stratification issue during the early open-water season in Snap Lake. SLEMA expects a follow-up report to address these two issues.

If you have any questions whatsoever please feel free to contact the undersigned or David White at 867-765-0961 / [dwhite@slema.ca](mailto:dwhite@slema.ca).

Sincerely,

Johnny Weyallon

A handwritten signature in black ink, appearing to read 'J. Weyallon', is written over a light blue rectangular background.

Chairperson