



Water Resources Division  
Nunavut Regional Office  
Iqaluit, NU X0A 0H0

Your file - Votre référence  
2AM-MEL1631

September 17, 2018

Our file - Notre référence  
CIDM#1227257

Richard Dwyer  
Manager of Licensing  
Nunavut Water Board  
Gjoa Haven, NU X0B 1J0

Sent via email: [licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca)

**Re: Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)  
Technical Review Comments on the Design Report for the Saline Water  
Treatment Plant at Meliadine – Agnico Eagle Mines Limited.**

Dear Mr. Dwyer,

Thank-you for the email notice, received on August 23, 2018, regarding the above mentioned design report.

CIRNAC reviewed the applicant's design report and comments are provided pursuant to CIRNAC's mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

If you have any questions or require further information with respect to this matter, contact me at 867-222-9278 or [ian.parsons@canada.ca](mailto:ian.parsons@canada.ca).

Regards,

Ian Parsons  
Manager, Water Resources Division

Cc. Spencer Dewar, Director, Resource Management Directorate – CIRNAC, NRO  
Justin Hack, Manager Field Operations – CIRNAC, NRO



## **Technical Review Memorandum**

To: Richard Dwyer, Manager of Licensing, NWB

From: Ian Parsons, Manager, Water Resources Division – CIRNAC, NRO

Date: September 14, 2018

Re: Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) Technical Review Comments on the Design Report for the Saline Water Treatment Plant at Meliadine – Agnico Eagle Mines Limited.

Applicant:	Agnico Eagle Mines Limited
Representative:	Manon Turmel
Project:	Meliadine Gold Project
Region:	Kivalliq

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### **A. RESULTS OF REVIEW**

Comments and recommendations are provided by CIRNAC Water Resources Division, pursuant to the Department's mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

#### **1.) Design Report**

**Comment:** The design report explained the capacity for saline water both in the underground and at surface. However, the design report did not discuss any contingencies.

**Recommendation:** CIRNAC recommends that the design report include contingencies such as, but not limited to, long term breakdown of the treatment plant or inefficiencies of the plant and greater than expected inflows of saline water in the underground workings.

#### **2.) General**

**Comment:** High iron concentrations were reported in Table 1 of the design report. However, in the subsequent description following Table 1 and Table 2, the proponent does not intend to monitor or treat iron.



**Recommendation:** CIRNAC recommends that the applicant either include iron for treatment, or provide justification as to why they will not be monitoring or treating the high concentration of iron.