



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

Your file - Votre référence  
2AM-WTP1826

August 17, 2018

Our file - Notre référence  
CIDM# 1225517

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 of the Design Report Fresh Water Intake –  
Whale Tail Project under Agnico Eagle Mines Limited's Type "A" Water  
Licence No. 2AM-WTP1826.**

Dear Mr. Dwyer,

Thank-you for the email notice, received on July 19, 2018, regarding the above mentioned Design Report Fresh Water Intake at Whale Tail Pit Project.

CIRNAC reviewed the proponent's design report involving the fresh water intake from Nemo Lake. 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 867-975-3877 or [michelle.blade@canada.ca](mailto:michelle.blade@canada.ca), or Ian Parsons at 867-222-9278 or [ian.parsons@canada.ca](mailto:ian.parsons@canada.ca).

Regards,  
Michelle Blade  
Regional Coordinator, Water Resource Division

Cc. Spencer Dewar, Director, Resource Management Directorate – CIRNAC, NRO  
Erik Allain, Director of Lands – CIRNAC, NRO



## **Technical Review Memorandum**

To: Richard Dwyer, Manager of Licensing, NWB

From: Michelle Blade, Regional Coordinator, Water Resource Division – CIRNAC, NRO

Date: August 17, 2018

Re: CIRNAC's technical review comments of the Design Report Fresh Water Intake, Type "A" Water Licence No. 2AM-WTP1826, Whale Tail Project in response to NWB's email dated July 19, 2018.

Applicant: Agnico Eagle Mines Limited  
Representatives: Jamie Quesnel and Ryan Vanengen  
Project: Whale Tail Pit Project  
Region: Kivalliq

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### **A. BACKGROUND**

On July 11, 2018, the Minister of Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) approved Agnico Eagle Mines Limited's Whale Tail Pit Project Type 'A' Water Licence No. 2AM-WTP1826 application. The Whale Tail Pit Project is a gold deposit located near Baker Lake, Nunavut.

The following is a technical review of the pumping station, and on-ground (above) and submarine pipelines for the removal of the approved Type 'A' Water Licence No. 2AM-WTP1826 water volume from Nemo Lake.

### **B. 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 Erosion Control**

##### **Reference:**

- 2018 Design Report Fresh Water Intake – Whale Tail Project, Document No. 6112-E-132-003-REP-005, Agnico Eagle, July 09, 2018.
- Type 'A' Water Licence No. 2AM-WTP1826.

##### **Comment:**



Part D Item 11 of Type 'A' Water Licence No. 2AM-WTP1826 states "the Licensee shall implement sediment and erosion control measures prior to and during Construction, and Operations where necessary, to prevent entry of sediment into Water." The design report does not indicate the erosion control measures that will be used during construction.

**Recommendation:**

**(R 1)** CIRNAC recommends the Licensee identify the erosion control measures that will be used prior to and during Construction both on land and in Nemo Lake<sup>1</sup>.

## 2 Minimize disturbance to terrain, permafrost and drainage

**Reference:**

- 2018 Design Report Fresh Water Intake – Whale Tail Project, Document No. 6112-E-132-003-REP-005, Agnico Eagle, July 09, 2018.
- Type 'A' Water Licence No. 2AM-WTP1826.

**Comment:**

Part D Item 18 of Type 'A' Water Licence No. 2AM-WTP1826 states "the Licensee shall minimize disturbance to terrain, permafrost and drainage during movement of contractor's equipment and personnel around the site during construction activities". Section 5.1 and 5.2 of the design report describe the assembly and deployment of the on-ground (above) and submarine pipelines. However, there is no description of the equipment to be used, nor demarcation of where the equipment will be permitted to travel, during construction.

**Recommendation:**

**(R 2)** CIRNAC requests clarification on how the Licensee plans to minimize disturbance to terrain, permafrost and drainage during construction.

## 3 Fresh Water Intake Screen Size

**Reference:**

- 2018 Design Report Fresh Water Intake – Whale Tail Project, Document No. 6112-E-132-003-REP-005, Agnico Eagle, July 09, 2018.
- Type 'A' Water Licence No. 2AM-WTP1826.

**Comment:**

Section 3 and 4 indicate the suction line ends with a screen to ensure that fish are not entrained nor impinged on the screen, as per part E Item 6 of Type 'A' Water Licence No. 2AM-WTP1826.

**Recommendation:**

**(R 3)** CIRNAC requests confirmation that the screen mesh size used also complies with the Department of Fisheries and Oceans fish screen guidelines.

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<sup>1</sup> i.e. will a turbidity curtain be used in Nemo Lake during construction?