



February 13, 2017

Your file - Votre référence
2AM-MEL1631

Our file - Notre référence
IQALUIT-# 1130225

Robin Ikkutisluk
Licence Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Sent via email: licensing@nwb-oen.ca

Dear Robin,

Re: Indigenous and Northern Affairs Canada's Review of Agnico Eagle Mines Limited's Submission of Final Design and Construction Drawings for Freshwater Treatment Plant, Water Licence 2AM-MEL1631 Part D, Item 1 & 2 - Meliadine Gold Project

Thank you for the Nunavut Water Board's February 01, 2017 notice regarding the above mentioned.

All comments and recommendations are provided pursuant to Indigenous and Northern Affairs Canada's (INAC) mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

Comment: The document entitled 'Meliadine Fresh Water Treatment Plant' contains a description of a freshwater treatment system to treat raw water from Meliadine Lake through a freshwater intake and pump system. The design flow rate of the water treatment plant for the main camp and accommodations has been reported to be 216 m³ per day.

The report details the water treatment steps including cartridge filters treatment, chemical treatment (sodium hypochlorite) and ultraviolet reactors. The licensee has mentioned that treated potable water will be monitored according to the Nunavut Health regulations for total and residual chlorine and microbial parameters. However, the information on raw water quality and treated water quality are not contained within the report. Water quality parameters of raw water and treated potable water when reviewed together can confirm the efficiency of the proposed water treatment system.



Recommendation/Request: INAC has no concern with the submission. It would be useful if the licensee could identify the water quality parameters that will be used to measure for raw water and treated potable water. The information will be useful in confirming the performance of the proposed potable water treatment plant.

Please do not hesitate to contact me for further information at 867-222-1008 or by email at Amjad.Tariq@aandc-aadnc.gc.ca or Ian Parsons at 867-975-4282 or by email at Ian.Parsons@aandc-aadnc.gc.ca.

Sincerely,

Amjad Tariq
Regulatory and Science Advisor
Water Resources Division
Resource Management Directorate
Nunavut Regional Office
Indigenous and Northern Affairs Canada
IQALUIT, NU X0A 0H0

cc. Ian Parsons, Acting Manager, Water Resources Division, INAC
Erik Allain, Manager, Field Operations, INAC