



*Your file - Votre référence*  
2AM-MEL1631

January 19, 2017

*Our file - Notre référence*  
IQALUIT-#1125074

Karén Kharatyan  
Technical Advisor  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU X0B 1J0

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

Dear Mr. Kharatyan,

**Re: Indigenous and Northern Affairs Canada's Review of Agnico Eagle Mines Limited's Request to Revise Nomenclature of Monitoring Program Stations in Table 2 of Type 'A' Water Licence No. 2AM-MEL1631- Meliadine Gold Project**

Thank you for the Nunavut Water Board's December 21, 2016 notice regarding the above mentioned.

A memorandum is provided for the Nunavut Water Board's consideration. Comments and recommendations have been provided pursuant to Indigenous and Northern Affairs Canada's mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

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



# Memorandum

**To:** Karén Kharatyan, Technical Advisor, Nunavut Water Board

**From:** Amjad Tariq, Regulatory and Science Advisor, Water Resources Division, INAC  
Ian Parsons, Regional Coordinator, Water Resources Division, INAC

**Date:** January 19, 2017

**Re:** **Indigenous and Northern Affairs Canada's Review of Agnico Eagle Mines Limited's Request to Revise Nomenclature of Monitoring Program Stations in Table 2 of Type 'A' Water Licence No. 2AM-MEL1631- Meliadine Gold Project**

**Licence:** 2AM-MEL1631  
**Licensee:** Agnico Eagle Mines Ltd  
**Project:** Meliadine Gold Mine  
**Region:** Kivalliq

---

## BACKGROUND

On December 21, 2016, the Nunavut Water Board (Board or NWB) requested that interested parties review Agnico Eagle Mines Limited's (AEM) request regarding modification of Table 2 of the existing Type A Water Licence No. 2AM-MEL1631 for its Meliadine Gold Mine project.

According to AEM Meliadine Division, the monitoring station identification found in Table 2 (Monitoring Program) of the Type A Water Licence is repetitive to station identifications currently existing in the NWB Type B Water Licence for the same project (Licence No. 2BB-MEL1424). Additionally, AEM has sample identifications for the Aquatic Effect Monitoring Program that are same as the nomenclature in the Type A Water Licence. AEM has proposed the following changes to the nomenclature of the monitoring stations in Table 2 of the Licence No. 2AM-MEL1631 for discrete identification of sample locations.



<b>AEM's Proposed Nomenclature in Table 2 of Water Licence No. 2AM-MEL1631</b>	<b>AEM's Current Nomenclature in Table 2 of Water Licence No. 2AM-MEL1631</b>	<b>Description</b>
MEL-D-1 to TBD	MEL-D-1 to TBD	Dewatering: Water transferred from lakes to Meliadine Lake during dewatering of lakes
MEL-SR-1-TBD	MEL-SR-1-TBD	Surface Runoff – runoff downstream of Construction areas at Meliadine Site and Itivia Site, Seeps in contact with the roads, earthworks and any Runoff and/or discharge from borrow pits and quarries
MEL-11	MEL-01(MEL-04 suggested by AEM in the Application)	Water intake from Meliadine Lake
MEL-12	MEL-02	Water treatment plant (pre-treatment) coming from CP1, off the pipe and not in the pond
MEL-13	MEL-03 (and AEMP Stations)	Mixing zone in Meliadine Lake, Station 1; and MMER exposure stations for final discharge point
MEL-14	MEL-04(a) (MEL-01 suggested by AEM in the Application)	Water treatment plant from CP-1 (post-treatment), end of pipe (before offsite release) in the plant before release.
MEL-15	MEL-05	Local Lake E-3
MEL-16	MEL-06	Local Lake G2
MEL-17	MEL-07	Local Pond H1
MEL-18	MEL-08	Local Lake B5



MEL-19	MEL-09	CP-2 Collection of natural catchment drainage from the outer berm slopes of the Landfarm and industrial pad
MEL-20	MEL-10	CP-3 Collection of drainage from dry stacked tailings
MEL-21	MEL-11	CP-4 Collection of drainage from WRSF1
MEL-22	MEL-12	CP-5 Collection of drainage from WRSF1 and WRSF2
MEL-23	MEL-13	CP-6 Collection of drainage from WRSF3
MEL-24	MEL-14	Seepage from the Landfill between the landfill and Pond H13
MEL-25	MEL-15	Secondary containment area at the Itivia Site Fuel Storage and Containment Facility

According to AEM, the proposed nomenclature of the monitoring stations in Table 2 of Type A Water Licence will be for all past, current and future sample locations. AEM does not propose any change to the phase, monitoring parameters or frequency of the monitoring stations.

Additionally, all nomenclature for NWB Licence No. 2BB-MEL1424 will remain same as depicted in Part J, Item 1 of the Type B Water Licence.

Interested parties were asked to provide comments by January 21, 2017.



## RESULT OF REVIEW

### Comment 1:

The NWB Type A Water Licence No. 2AM-MEL1631 was issued on April 01, 2016 and the duration of the licence is 15 years.

INAC has no concern with the proposed changes to the nomenclature of monitoring station (sample locations) in Table 2 of the current Water Licence No. 2AM-MEL1631. The proposed nomenclature of the monitoring stations can ensure discrete sample locations. However, AEM's proposed modification will require updating ALL the relevant project's management plans, drawings and other allied documents accordingly.

### Recommendation:

INAC recommends updating ALL the relevant management plans to incorporate the proposed nomenclature for monitoring stations before Board's approval.

INAC recommends updating all the relevant project drawings and allied documents to show the proposed nomenclature for monitoring station locations before the Board's approval.

INAC recommends erecting updated signs at the Meliadine mine site to display the revised monitoring station nomenclature following the Board's approval.