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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

**File: 2AM-MEL1631/TR/D1, 2**

September 15, 2017

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**Subject: Design Report and Construction Drawings for Effluent Water Treatment Plant, Pumping Stations, Pipelines & Associated Berm, and Diffuser; Type “A” Water Licence 2AM-MEL1631, Meliadine Gold Project, Agnico Eagle Mines Ltd.**

Dear Ms. Turmel and Mr. Quesnel:

The Nunavut Water Board (“NWB”) received from Agnico Eagle Mines Ltd. (Agnico Eagle or Licensee) on June 28, 2017, the Construction Design Report entitled “Design Report for Effluent Water Treatment Plant, Pumping Stations, Pipelines & Associated Berm, and Diffuser, Meliadine Gold Project, NU” dated June 22, 2017, including Engineered for Construction Drawings (Report) for the proposed infrastructure completed by Tetra Tech Canada Inc. as a requirement of Part D, Item 1 of the Licence 2AM-MEL1631 (Licence).

The Construction Design Report or Report presents the site conditions, design basis and considerations, engineering analyses, construction drawings, and specifications for the detail design of these water management infrastructures, more specifically final design and construction drawings for the Effluent Water Treatment Plant (EWTP), CP1 and CP5 pumping stations and associated pipelines, as well as the diffuser that will release the final effluent from the EWTP into Meliadine Lake, as specified under Water Licence.

*The Report states that the water treated at the EWTP will be sourced from CP1. The effluent water from the EWTP will be pumped through a pipeline connecting the diffuser on the pipeline end in Meliadine Lake. This report also details the environmental conditions characterizing Meliadine Lake where the diffuser will be installed, the associated numerical modelling work undertaken to*

*design the diffuser and assess the concentrations of the released effluent at the end of the mixing zone in Meliadine Lake.*

The Report was distributed for a public review and comments with a deadline for submission set at July 19, 2017. Comments were received from Environment and Climate Change Canada (ECCC) and Indigenous and Northern Affairs Canada (INAC) on July 19 and July 21, 2017, respectively. On July 20, 2017, the Board received communication from Fisheries and Oceans Canada (DFO) stating that DFO has reviewed the submission in accordance with its mandate and has no comments at this time.

On August 5, 2017, Agnico Eagle provided the NWB with its responses made available for interested parties' further review. On August 17, 2017, INAC informed the NWB that INAC is satisfied with Agnico Eagle responses. On August 18, 2017, ECCC advised the Board that it is satisfied with majority of Licensee's responses, including the indication that the water quality model was run with effluent quality equal to the average licence limits as requested by ECCC; however, ECCC still had a question regarding discharge concentrations. On August 24, 2017, Agnico Eagle provided its response to ECCC, and on September 6, Agnico Eagle provided the NWB and ECCC with the model results referenced in their original response (i.e. results from the model run with effluent quality equal to average license limits) further requested by ECCC. The NWB did not receive any additional follow-up questions/comments.

By copy of this letter the Board acknowledges that the Report addresses the requirements of Part D Item 2 of Licence 2AM-MEL1631, and has approved the Reports through the Board Motion No. 2017-A1-015, dated September 15, 2017, as required by Part D, Item 1 of Licence. The Licensee is also advised that the Board's "approval" of these documents is a verification that the proposed activities are consistent with the existing terms and conditions of the Licence and more specifically with the Part D, Item 2, and may proceed in accordance with the Reports and drawings provided. It should be noted that the Board's "approval" is NOT intended or offered as any representation regarding the suitability of the plans nor third party verification of the design, construction, planning or engineering discussed in the documents.

Should you have any questions, please feel free to contact the undersigned at (867) 360-6338 or [karen.kharatyan@nwb-oen.ca](mailto:karen.kharatyan@nwb-oen.ca) at your earliest convenience.

Regards,

Karén Kharatyan  
A/Manager of Licensing / Sr. Technical Advisor

cc: Distribution List - Meliadine