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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File: 2AM-WTP1830/D1, 3

August 21, 2020

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Subject: Design Report for IVR Diversion; Type “A” Water Licence No: 2AM-WTP1830, Whale Tail Pit Project; Agnico Eagle Mines Limited

Dear Marie-Pier Marcil and Jamie Quesnel:

The Nunavut Water Board (NWB or Board) received from Agnico Eagle Mines Limited (Agnico Eagle or Licensee) on June 29, 2020, the document entitled “Design Report for IVR Diversion” (Report) as a requirement of Part D, Items 1 and 3 of Water Licence No: 2AM-WTP1830 (Licence). The Report was dated June 24, 2020.

The Report was distributed for interested parties’ review with a deadline for submissions set for July 21, 2020, which later was extended to July 31, 2020 at the request of the Crown-Indigenous Relations and Northern Affairs (CIRNA). Comments were received¹ from the Kivalliq Inuit Association (KivIA), Environment and Climate Change Canada (ECCC), and CIRNA.

The KivIA requested the following clarifications:

- The frequency of sampling for total dissolved solids (TSS);
- Destination of cleared material and location of the source esker;
- Frequency of the IVR Diversion inspections; and
- Suggestion of observations of slumping to be included in the inspections.

ECCC indicated that it had no comments upon the review of the Report.

¹ Kivalliq Inuit Association, dated July 21, 2020; Environment and Climate Change Canada (ECCC), dated July 21, 2020; Crown-Indigenous Relations and Northern Affairs (CIRNA), dated July 31, 2020.

CIRNA inquired about:

- The deviations from the hydrological data used in the conceptual design;
- How the use of geotextile in place of filter material would affect the structure's performance;
- Validation of applied runoff coefficient;
- Incorporation of the effects of climate change; and
- Inflow water management.

On August 13, 2020, the Licensee submitted its response to CIRNA's inquiries:

- No significant discrepancies were found in the data, on which the conceptual design was based, however, changes were required to ensure runoff was rerouted;
- Agnico Eagle is considering adding a filter layer on top of the excavated area before placing the geotextile and riprap as per the recommendation from the Meadowbank Dike Review Board;
- The applied runoff coefficient was selected due to the presence of permafrost;
- Climate change was now incorporated due to the relatively short timeframe for the use of the diversion; and
- If TSS are above the set limits, the water will be transferred toward the water management infrastructures on site.

In addition, Agnico Eagle stated² that "(t)he decision to add a filter to the geotextile to the channel in addition to the geotextile will be taken during construction based on field observation and the encountered subsurface condition".

On August 20, 2020, Agnico Eagle responded to the KivIA's comments providing additional information about:

- TSS monitoring;
- The waste material from the excavation being sent to the Waste Rock Storage Facility, and the esker material being sourced from the esker stockpile on site;
- Monthly visual inspections and weekly routine inspections during periods of flow;
- Agreement to include observation on the presence of slumping into the records of inspection; and
- Commitment to provide the thermal analyses, water quality samples and TSS measurements taken during construction in the 2020 annual report.

On August 18, 2020 and August 20, 2020, CIRNA and KivIA, respectively, confirmed that the Licensee addressed their concerns.

The Board acknowledges that the Report addresses the requirements of Part D, Items 1 and 3 of Licence No: 2AM-WTP1830 and has accepted the "Design Report for IVR Diversion" as required by Part D, Item 1 of Licence. The Licensee is advised that the Board's review of this document is a verification that the proposed activity is consistent with the existing terms and conditions of the Licence and more specifically with Part D, Item 1 and may proceed in accordance with the Report

² Marie-Pier Marcil (Agnico Eagle) to Assol Kubeisinova (NWB), Re: Agnico Eagles Whale Tail Design Report for IVR Diversion for 2AM-WTP1830 water licence, dated August 13, 2020.

provided. It should be noted that the Board's acceptance 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 document.

Should you have any questions, please feel free to contact the undersigned at (867) 360-6338 or assol.kubeisinova@nwb-oen.ca at your earliest convenience.

Regards,

Assol Kubeisinova
Technical Advisor

cc: Distribution List - Meadowbank