



March 6th, 2019

M. Richard Dwyer
Manager of Licensing
Nunavut Water Board
Gjoa Haven, Nu

M. Jeremy Fraser
Water Resources Officer
CIRNAC
Iqaluit, NU

Re: 2AM-WTP1826 Agnico Eagle Whale Tail Project – East Diversion Channel Design Report

Dear M. Dwyer and M. Fraser,

As part of the Whale Tail Project, Agnico Eagle needs to build an East Diversion Channel. The Design Report is presented with this letter. Currently, water flows naturally from Lake A53 to Whale Tail Lake. The Whale Tail Dike was completed in Whale Tail Lake, separating the Lake into the North and South basin. The Whale Tail Lake North Basin will be dewatered to allow for the construction of the open pit and the future Whale Tail Attenuation Pond. The discharge from Lake A53 will be diverted to the Whale Tail Lake South Basin via a new diversion channel called the East Diversion Channel. The channel is designed to divert non-contact water from Lake A53 to the Whale Tail Lake South Basin, thus minimizing water reporting to the Whale Tail Attenuation Pond and allowing clean water to flow to the neighboring water bodies.

The channel was initially routed to discharge directly in Whale Tail Lake South Basin (Lake A17). However, after analysis, Agnico intends to route the water to Lake A55, a tributary of Whale Tail Lake South Basin. The following decision was to reduce the length of the channel and avoid the passage of the channel via Esker #7. During operation, Lake A55 and Whale Tail Lake South Basin will be at the same elevation, and considered as one, due to the Whale Tail Lake South Basin flooding following Whale Tail Dike construction. Water from Whale Tail Lake South basin will then be rerouted towards Mammoth Lake via the Whale Tail South Diversion channel as originally planned. As per the Water License 2AM-WTP1826 Part F Item 6, sampling station will remain the ST-WT-7 but with a different sampling location.

The construction of the East Diversion Channel is planned after the freshet period of 2019, in September, as required by the water balance. Construction is expected to last 3 months and the infrastructure would be commissioned at the next freshet period. Until the infrastructure construction is completed, Agnico will use an adaptive water management strategy to control water from Lake A53 watershed. The objectives of this adaptive strategy are:

- Prevent fish migration from Lake A53 toward Whale Tail North Basin during the dewatering operations; and



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- Maintain a dry East Channel construction area.

The adaptive water management strategy at Lake A53 for freshet 2019 would be to maintain a lower water level by pumping the water from this lake toward Whale Tail Attenuation Pond via an above-ground pipeline. The detail of the adaptive water management strategy is presented in detail in Appendix B of the East Diversion Channel Design Report.

Should you have any questions or require further information, please do not hesitate to contact us at the below.

Regards,

Agnico Eagle Mines Limited – Meadowbank Division

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