



January 5<sup>th</sup>, 2023

Ali Shaikh  
Technical Advisor  
Nunavut Water Board  
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Sent via Email: [ali.shaikh@nwb-oen.ca](mailto:ali.shaikh@nwb-oen.ca)

**Re: Water License 2AM-DOH1335 – Conditions Applying to Construction and Operation – Construction of South Dam Berm**

Dear Mr. Shaikh,

This letter represents Agnico Eagle Mines (**Agnico**) written notification to the Nunavut Water Board (**NWB**) regarding the planned construction of berm at the downstream toe of the existing South Dam. This notification is being provided to the NWB prior to commencement of work, as required under the Type A Water License 2AM-DOH1335 Part D Item 1.

The purpose of the berm is to mitigate settlement cracking and potential surficial failures on the downstream slope of the South Dam following recommendations from the 2021 TIA Annual Geotechnical Inspection (SRK 2022a). The berm will be located entirely within the permitted footprint for Phase 2 of South Dam. When the dam is raised, following the current period of care and maintenance, the berm will become part of the downstream shell of the Phase 2 South Dam configuration. Design considerations and site conditions will follow those outlined in the Phase 2 design report for the South Dam (SRK 2017).

The berm will be constructed by conventional haul and place methods, using geochemically suitable rockfill material sourced from an approved quarry or other source, and will be in accordance with the Hope Bay Technical Specifications (SRK 2022b). Construction is expected to take place during Q1-Q2 of 2023. To mitigate impacts to the tundra, construction will take place in the winter, and the design of the berm includes construction turn-arounds to eliminate the need for equipment to travel on the tundra.

Stamped construction drawings are provided in Attachment 1.

Should you have any questions please feel free to contact me at [Brennan.jay@agnicoeagle.com](mailto:Brennan.jay@agnicoeagle.com)

Sincerely,

**Brennan Jay**

**Geotechnical EIT - Agnico Eagle Mines Limited - Hope Bay Mine**



Cc:  
Licensing (NWB)

Attachments

Attachment 1: Engineering Drawings for the South Dam Toe Berm

References

SRK Consulting (Canada) Inc., 2017. Doris Tailings Management System Phase 2 Design, Hope Bay Project. Report Prepared for TMAC Resources Inc. Project No. 1CT022.013. November 2017.

SRK Consulting (Canada) Inc., 2022a. 2021 Annual Geotechnical Inspection – Doris Tailings Impoundment Area, Hope Bay Mine. Report Prepared for Agnico Eagle Mines Ltd. Project No. 1CT022.077. March 2022.

SRK Consulting (Canada) Inc., 2022b. Technical Specifications Earthworks and Geotechnical Engineering Revision I, Hope Bay Project. Report Prepared for Agnico Eagle Mines Ltd. Project No. CAPR00181. September 2022.

