

March 24, 2022

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

Sent via Email: ali.shaikh@nwb-oen.ca

Re: Water License 2AM-DOH1335 – Conditions Applying to Construction and Operation – Development of Sump (Sump 1) at Madrid North Contact Water Pond

Dear Mr. Shaikh,

This letter represents Agnico Eagle Mines (**Agnico**) written notification to the Nunavut Water Board (**NWB**) regarding the planned installation of a shallow groundwater sump in the Madrid North Contact Water Pond (CWP) area. 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. Final design and Issue for Construction (IFC) drawings are provided in Attachment 1. The accompanying design report is presented as a drawing included as part of the IFC package.

Agnico plans to install an underflow interception sump (Sump 1) to enhance the existing water management system at the Madrid North CWP site. The sump is meant to act as additional contingency in the event any water from the Madrid North CWP exits the water management area.

The sump will be placed in the active layer on the tundra downstream of the Madrid North CWP. The sump (see attachment) is located at a distance greater than 31 meters from the ordinary highwater mark of any adjacent water body. Any water captured in the sump will be returned to the Madrid North CWP via an automated float operated pump. The proposed location of Sump 1 is based on topography of the area and visual assessments of freshet flows which have been conducted as part of the annual seepage survey since the installation of the Madrid North CWP. A localized seep has been identified during these assessments downstream of CWP. The installation of Sump 1 will improve efficiency of water management in this area to ensure all contact water is captured effectively.

Sump 1 will be installed by hand excavation to minimize damage to the surrounding tundra and to prevent excessive over-excavation. Consistent with other sumps installed at Madrid North, water level or water quality monitoring is not required in the sump as the water is transferred to the Contact Water Pond (monitoring station MMS-1). Installation is scheduled to occur prior to freshet in 2022 and is expected to last no more than a few days.

If required, effective erosion and sediment control measures will be installed prior to construction. Once constructed, the sump will be regularly inspected by the Environment Department to ensure



it is functioning as intended. Additionally, this sump will be included in the annual geotechnical inspection and results will be submitted to the NWB in annual reports.

Should you have any questions please feel free to contact me at nancy.harvey@agnicoeagle.com

Sincerely,

Nancy Duquet Harvey Environmental Superintendent - Agnico Eagle Mines Limited - Hope Bay Mine

Cc:

Licencing (NWB)

<u>Attachments</u>

Issued for Construction Madrid CWP Sump 1 Design Drawings

Engineering Drawings for the Madrid Contact Water Pond Sump #1 Hope Bay, Nunavut, Canada

Active Drawing Status

Drawing Number	Drawing Title	Issue	Date	Revision
MCWP-Sump-100	General Arrangements	Issued for Construction	2022/03/22	0
MCWP-Sump-200	Typical Sump Details	Issued for Construction	2022/03/22	0







