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Derek Donald
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Nunavut Water Board
P.O. Box 119
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Sent via Email: licensing@nwb-oen.ca; derek.donald@nwb-oen.ca

Re: Response to ECCC Comments on TMAC Resources Inc. 2019 Nunavut Water Board Annual Report for Water License 200731 2AM-DOH1335 – TMAC Responses to 2019 Annual Report Comments – Hope Bay Project.

Dear Mr. Donald,

TMAC Resources Inc. (TMAC) is providing this letter in response to comments received from Environment and Climate Change Canada (ECCC) on August 7, 2020. TMAC's response is detailed below:

1. Water Treatment Plant

Reference(s): ECCC-1

ECCC Comment: It is unclear from the information presented in the Annual Report and the responses provided by TMAC whether the newly constructed water treatment plant, intended to address Total Suspended Solids (TSS) is being used to treat the underground mine water stream alone, or the combined, final effluent stream.

ECCC Recommendation(s): Please clarify if the water treatment plant is being used to treat both underground and other effluent sources (final effluent stream).

TMAC Response: The water treatment plant is currently used to treat the underground mine water stream.

2. Monitoring Parameters in Underground Water

Reference(s): ECCC-4

ECCC Comment: TMAC's response to ECCC's comment acknowledges that dissolved concentrations of metals were not measured in TL-12 samples in the 2019 sampling period. Although the underground water will undergo treatment for TSS prior to discharge, due to the lack of information concerning dissolved metal concentrations, is unknown whether high metal concentrations observed in the underground water are associated with total or dissolved fractions. This will affect the expected concentrations that are to be removed during TSS treatment.

ECCC Recommendation(s): ECCC recommends that underground water be monitored for both total and dissolved metals in future sampling years.

TMAC Response: Water quality characterization undertaken during the development and design of the water treatment plant indicated that metals are present primarily in suspended solids and reducing TSS of the mine water to MDMER criteria will also ensure that dissolved metals meet MDMER criteria. Post treatment water quality has demonstrated compliance to MDMER, indicating an effective treatment strategy. TMAC appreciates this recommendation from ECCC and will consider monitoring underground mine water for both total and dissolved metals in future years.

Should you have any questions please feel free to contact me at
oliver.curran@tmacresources.com

Sincerely,



Oliver Curran

Vice-President, Environmental Affairs TMAC Resources Inc.

Cc:

Licencing, NWB

Jody Small, Acting Head, Environmental Assessment South (AB, SK and MB), ECCC

Ashley Mathai, Environmental Engineer, TMAC

Kyle Conway, Environmental Superintendent, TMAC

Sarah Warnock, Environmental Superintendent, TMAC

Adam Grzegorzczuk, Manager, Permitting and Land Tenure, TMAC