



95 Wellington Street West
Suite 1010, P.O. Box 44
Toronto, Ontario
M5J 2N7
416-628-0216

March 5, 2019

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

Sent via Email: derek.donald@nwb-oen.ca

Re: TMAC Response to CIRNAC Comments regarding Water License 2AM-DOH1335 – Notice of Modification – Development of ‘Sump 3’ at Doris

Dear Mr. Donald,

TMAC Resources Inc. (TMAC) is providing this letter in response to comments received from Crown Indigenous-Relations and Northern Affairs Canada (CIRNAC) on February 25, 2019. TMAC's response is detailed below:

A. Justification for New Sump

Based on the hydrogeological modelling of the project area and the design capacity of existing sumps 1 and 2, the requirement of a third sump to accommodate groundwater flow in this area may indicate an unanticipated change in predicted site conditions. To better understand such changes, CIRNAC seeks further details on current hydrological site conditions and the scientific rationale that justifies TMAC's conclusion that an additional sump is required.

Recommendation: CIRNAC requests justification for the installation of an additional sump.

TMAC Response: The sump is meant to act as additional contingency in the event any shallow groundwater discharge from the active layer bypasses the water management design of the project area. Sump 1 and Sump 2 were installed to serve this purpose as outlined in the Hope Bay Water Management Plan (2017). As such, there is no change to the hydrogeologic conceptualization of the project area.

The proposed location of Sump 3 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 Sumps 1 and 2. A localized seep has been identified during these assessments downstream of Pad G south of the TIA Access Road. The installation of Sump 3 will improve efficiency of water management in this area to ensure all shallow groundwater discharge is captured effectively.

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)

Kyle Conway / Sarah Warnock (TMAC)

Ashley Mathai (TMAC)

Shelley Potter (TMAC)

Adam Grzegorzcyk (TMAC)