

April 26, 2016
Project No: 1CT022.002.511

Vice President Environmental Affairs
TMAC Resources Inc.
Suite 1010 – 95 Wellington Street West
Toronto, Ontario, M5J 2N7

Attention: John Roberts, PEng, Vice President Environmental Affairs

Dear John:

RE: Doris North Project 2015 Annual Roberts Bay Jetty Inspection

SRK Consulting (Canada) Inc. was contracted by TMAC Resources Inc. to complete a geotechnical site inspection of the Roberts Bay Jetty at their Doris North Project in Nunavut. The geotechnical inspection is an annual requirement in response to condition Part J, Items 18 and 19 in their Nunavut Water Board License 2AM-DOH1323, dated August 16, 2013. Furthermore, Commitment 19 of the Project Certificate No. 003, dated September 15, 2006, required ground temperature cables to be installed into the jetty foundation to monitor submarine permafrost.

The geotechnical site inspection was carried out by Senior Consultant Lowell Wade, PEng, PGeo between August 14 and 15, 2015. Lowell was accompanied by Mr. Paul Christman, MEng, PGeo, PEng, TMAC's Manager of Mining during the inspection, which consisted of a walkover survey of the jetty, followed by a desk top analysis of the ground temperature cable (GTC) data in our Vancouver office.

Formal annual geotechnical inspections of the jetty have been carried out annually since 2009 and those reports are filed on the Nunavut Water Board and NIRB public registries. All of these inspections have been conducted by SRK. This letter presents the findings of the 2015 geotechnical inspection.

A portion of the jetty was reconstructed following severe storm damage in 2013, and as part of the reconstruction two settlement plates were installed at the end of the jetty. PND Engineers Canada Inc., who designed and oversaw execution of the reconstruction, recommended surveys of the settlement plates be conducted with the results reported to PND for monitoring of settlement and stability. SRK understands that to date no surveys have been carried out. In addition, during the 2015 geotechnical inspection, it was noted that the two survey monuments had been knocked over and damaged. SRK does not believe that reinstallation of the survey monitoring points, and survey monitoring is necessary provided that:

- Prior to the annual sealift, and before undertaking any maintenance or repairs, a qualified person inspects the jetty looking for tension cracks and signs of erosion.
- Jetty loading does not exceed the jetty loading limitations (PND 2013, Section 4.0).

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Two GTC's (SRK-JT1-09 and SRK-JT2-09) were installed through the jetty into submarine permafrost in 2009. One (SRK-JT2-09) was damaged in 2011, and a replacement (SRK-JT2-12) was installed in 2012. This GTC was again destroyed when the jetty was reconstructed in 2013. Up to date data for the active GTC (SRK-JT1-09) is presented in Attachment 1, confirming that since construction of the jetty, there has been no change in the composition of the submarine permafrost. SRK is therefore of the opinion that it is not necessary to replace the damaged GTC; however, the active GTC should continue to be monitored.

Annual bathymetric surveys, to evaluate sediment transport and deposition, changes due to the presence of the jetty which was carried out between 2008 and 2012. This confirmed that the most significant changes occurred immediately following construction, and subsequent changes are small enough to suggest steady state conditions have been reached. In 2013, DFO approved a reduction in the frequency of new bathymetric surveys to once every three years. The 2015 bathymetric survey was being conducted during the geotechnical inspection by ERM Rescan, but at the time of completing this letter the findings were not available.

The geotechnical site inspection suggests that overall the jetty is generally in good shape with no obvious signs of distress or areas that require immediate attention. Following a discussion with site staff about the overall performance of the jetty over the past year, site staff confirmed that other than routine maintenance, the jetty had not required any additional work. At the time of the site inspection, barge offloading activities was underway, confirming the functionality of the jetty.

Sincerely,

SRK Consulting (Canada) Inc.

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Megan Miller, PEng for
Consultant

Lowell Wade, PEng, PGeo
Associate Consultant

and reviewed by

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Maritz Rykaart, PEng, PhD
Practice Leader

References:

PND Engineers, Inc. 2013. Construction Report – Rock Jetty Repairs Roberts Bay. Report prepared for: Newmont. September 2013.

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The opinions expressed in this report have been based on the information available to SRK at the time of preparation. SRK has exercised all due care in reviewing information supplied by others for use on this project. Whilst SRK has compared key supplied data with expected values, the accuracy of the results and conclusions from the review are entirely reliant on the accuracy and completeness of the supplied data. SRK does not accept responsibility for any errors or omissions in the supplied information, except to the extent that SRK was hired to verify the data.

Attachment 1: GTC (SRK-JT1-09) Data

Ground Temperature Cable Data (SRK-JT1-09)



