



Indigenous and  
Northern Affairs Canada

Affaires autochtones  
et du Nord Canada

# Executive Summary

Nunavut Water Board Technical Meeting  
Cambridge Bay, NU  
January 28-29, 2016

Amendment Application No. 1 to Nunavut Water  
Board Water Licence No. 2AM-DOH1323

Doris North Gold Mine  
TMAC Resources Inc.  
Kitikmeot Region, Nunavut

January 28-29, 2016



Canada 

Indigenous and Northern Affairs Canada (the Department) is an interested party in the Nunavut Water Board's review of TMAC Resources Inc.'s (the Proponent) application to amend its type A Nunavut Water Board Water Licence for the Doris North Gold Mine, Water Licence No. 2AM-DOH1323. Pursuant to federal legislation, the Department is tasked with co-managing Nunavut's freshwater resources with the Nunavut Water Board (NWB).

The Department is working to ensure that the opportunities presented with the continued development of the Doris North Gold Mine do not result in detrimental effects. To this end, the Department has contributed to the NWB Completeness and Technical Review processes, provided an independent closure cost estimate, and conducted a geotechnical site inspection of the mine site.

During the Technical Review process, the Department identified issues that concern potential impacts to freshwater (surface and groundwater), and the environment from mining and associated activities. Certain issues have already been resolved by the Proponent's provision of information, clarification, and commitments to revise management plans.

Outstanding issues that the Department is working with the Proponent and other stakeholders to resolve include:

1. Ensuring that the disposal or storage of waste rock and tailings either underground or on the surface will not impact groundwater;
2. Whether the available underground workings will be sufficient for the disposal of waste rock and tailings;
3. The Proponent should revise its Tailings Management Plan to include the use of environmentally suitable chemical dust suppressants;
4. The process for regulating the discharge of water from the Tailings Impoundment Area and of saline groundwater to the marine environment; and
5. Calculating an appropriate reclamation cost closure estimate to ensure that funds are available to close and clean up the mine site if the Proponent is unable to perform these tasks.

Please note that the Department continues to monitor the Proponent's compliance with the terms and conditions of its water licence through Water Resource Officer Inspections and the review of submitted monitoring reports.