



Environmental Protection Operations Directorate
Prairie & Northern Region
5019 - 52 Street, 4th Floor
P.O. Box 2310
Yellowknife, NT X1A 2P7

ECCC File: 6100 000 010 /034 & /041
NWB File: 2AM-DOH1323/2AM-BOS----

February 14, 2018

Via email: licensing@nwb-oen.ca

Karén Kharatyan
A/Manager of Licensing
Nunavut Water Board
P.O. Box 119,
Gjoa Haven, Nunavut X0B 1J0

Dear Mr. Kharatyan:

RE: 2AM-DOH1323/2AM-BOS---- - TMAC Resources Ltd. – Phase 2 Hope Bay Belt Project - Type A Water Licence Application and Amendment Completeness Check

Environment and Climate Change Canada (ECCC) has reviewed some of the information submitted to the Nunavut Water Board regarding the above-mentioned Type A Water Licence Application Completeness Check and is submitting the attached comments. Unfortunately, given the limited timelines, ECCC was unable to review the following:

- P4-9: Doris TIA – Operations, Maintenance, and Surveillance Manual
- P4-10: Boston Tailings Management Area – Operations, Maintenance and Surveillance Manual
- P4-11: Hope Bay Project Waste Rock, Ore, and Mine Backfill Management Plan
- P4-13: Hope Bay Project Non-hazardous Waste Management Plan
- P4-15: Hope Bay Hazardous Waste Management Plan
- P4-16: Hope Bay Project Incinerator Management Plan
- P4-17: Hope Bay Quarry management and monitoring plan
- P4-19: Boston conceptual closure and reclamation plan
- P4-21: Doris-Madrid Interim closure and reclamation plan
- P4-23: Hope Bay Explosives Management Plan
- P4-24: Quality Assurance and Quality Control Plan
- P5-6: Geochemical characterization of Madrid-Boston project quarries
- P5-7: Geochemical characterization of tailings from the Madrid North, Madrid South and Boston Deposits

- P5-9: Geochemical source term predictions for the proposed Madrid-Boston Project
- P5-11: Madrid-Boston all-weather road preliminary design
- P5-13: Hydrogeological characterization and modelling of the proposed Boston, Madrid South and Madrid North Mines
- P5-16: Doris Tailings Management System Phase 2 Design
- P5-19: Madrid Water Management Design
- P5-20: Geochemical characterization of waste rock and ore from the Madrid North Deposit
- P5-21: Geochemical characterization of waste rock and ore from the Madrid South Deposit
- P5-22: Madrid North- Tailings Impoundment area all weather road preliminary design
- P5-25: Geochemical characterization of waste rock and ore from the Boston Deposit
- P5-26: Boston Tailings Management Area Preliminary Design
- P5-27: Boston Tailings Disposal Alternatives Assessment

ECCC intends to address this additional content during the technical review phase of the water licence review. ECCC's specialist advice is provided based on our mandate, in the context of the *Canadian Environmental Protection Act*, the pollution prevention provisions of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

Should you require further information, please do not hesitate to contact Bradley Summerfield at (867) 669-4704 or Bradley.Summerfield@Canada.ca.

Sincerely,



Susanne Forbrich
Regional Director

Attachment: ECCC Comments Table

cc: Georgina Williston, Head, Environmental Assessment North
(NT and NU) ECCC Review Team