Water Resources
Nunavut Regional Office
P.O. Box 100
Iqaluit, NU, X0A 0H0

Your file - Votre référence
Licence # 2BE-COP1416
Our file - Notre référence
CIDM# 918483

May 22, 2015

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU, X0A 1J0

Re: 2BE-COP1416 – Coppermine Project – Tundra Copper Corporation – Revised Amendment Application

Dear Ms. Beaulieu:

Aboriginal Affairs and Northern Development Canada (AANDC) Water Resources Division conducted a review of Tundra Copper Corporation's revised application to amend their Type 'B' Water Licence 2BE-COP1416.

The following advice has been provided pursuant to AANDC's mandated responsibilities for the enforcement of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*. In conducting our review, AANDC Water Resources referred to the following documents provided by the Nunavut Water Board:

- Cover Letter
- Revised Amendment Application
- Fuel Spill Contingency Plan (received April 27, 2015)

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4738 or by e-mail at Jean.Allen@aandc-aadnc.gc.ca.

Sincerely,

Jean Allen
Water Management Specialist

Cc. Andrew Keim, A/Manager of Water Resources, AANDC
Erik Allain, Manager of Field Operations, AANDC

Technical Review Memorandum

To: Phyllis Beaulieu – Manager of Licensing, Nunavut Water Board

From: Jean Allen – Water Management Specialist, Water Resources, AANDC

Re: 2BE-COP1416 – Coppermine Project – Tundra Copper Corporation – Revised Amendment Application

A. BACKGROUND

Tundra Copper Corporation (TCC) was issued a Type 'B' water licence 2BE-COP1416 on August 28, 2014 for the use of water and deposit of waste in association with the Coppermine Project to explore minerals (copper, nickel, silver, and platinum) in the Coppermine River area.

On March 26, 2015, the Nunavut Water Board (the NWB) distributed an amendment application to amend the extent of the project to include new drilling locations (no proposed changes to camp or drilling operations, water use or the deposit of waste).

On May 13, 2015, the NWB distributed for review, a revised amendment to water licence 2BE-COP1416. TCC is now requesting an additional 2 m^3 of domestic water per day (increase from 0.5 m^3 / day to 2.5 m^3 / day) for operation of a core cutting saw at the camp. The volume of greywater will be increased to 2.5 m^3 / day which will settle in a sump and buried.

B. RESULTS OF REVIEW

The AANDC Water Resources Division reviewed TCC's revised amendment application and while there appears to be no major issues with the application, a comment is provided below for the NWB's consideration. Should there be any additional changes to the proposed project, further review may be necessary.

1. A revised application was submitted by TCC to increase the amount of water for drill core cutting at the camp. AANDC supports the revised amendment but notes that the responses provided in boxes 13 and 15 of the application appear to be inconsistent with the applicant's proposed changes in the cover letter. Some examples are shown below:
    - In Box 13, TCC indicates that the overall quantity of water to be used will not change and that the overall estimated quantity to be used is 50.5 m^3 / day. AANDC notes that a change to the overall quantity is proposed to increase from 50.5 m^3 / day to 52.5 m^3 / day.
    - In Box 13, TCC indicates that the quantity of water to be used for each purpose will not change yet the estimated quantities are provided (camp approx. 2.5 m^3 / day; Drill approx. 50 m^3 / day). AANDC notes that there is a change proposed to increase the quantity of water used for domestic purposes from 0.5 m^3 / day to 2.5 m^3 / day.
    - In Box 15, TCC indicates that the quantity of the types of waste will not change yet it has indicated in the table that 2.5 m^3 of greywater / day will be generated. AANDC notes that a change is proposed to increase the quantity of greywater generated from 0.5 m^3 to 2.5 m^3 / day.