



Water Resources Division
Nunavut Regional Office
Iqaluit, NU X0A 0H0

March 29, 2010

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

**Re: 2BE-QAM0813 - Water Licence Amendment Application – Aberdeen –
Turqavik Project – Cameco Corporation**

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of the above noted application for amendment.

The Nunavut Water Board (NWB) distributed the application for comment on March 8, 2010.

In conducting this review, I have referred to all documents on the Nunavut Water Board FTP site as it relates to 2BE-QAM0813. Attached is a Technical Review Memorandum for your consideration.

Please feel free to contact me should you have any questions or comments. I can be reached at (867) 975-4566 or by email at tanya.trenholm@inac.gc.ca.

Sincerely,

Original signed by

Tanya Trenholm
Pollution Policy Specialist



Technical Review Memorandum

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

From: Tanya Trenholm, Pollution Policy Specialist - Indian and Northern Affairs
Canada – Water Resources Division

**Re: 2BE-QAM0813 – Water License Amendment Application – Aberdeen
– Turqavik Project – Cameco Corporation**

Existing Water Licence #: 2BE-QAM0813

Background information:

The proponent has submitted an amendment application for an increase in daily water consumption from 58 m³/day to 113m³/day, to accommodate the use of one additional drill.

Recommendations / Comments

Drill Waste:

It was noted by way of 2008 and 2009 Water Use Inspection Reports, as conducted by an Indian and Northern Affairs Canada Water Resources Officer, that the proponent had not been properly managing the disposal of its drill wastes (i.e, drill wastes were not disposed of in a properly constructed sump or a natural depression).

The proponent is reminded that drill wastes are to be disposed of in accordance with the existing water licence, Part F, Item 3.

Bulk Fuel Storage Facilities:

As indicated by the spill contingency plan, and water use inspections, there are bulk fuel storage facilities on the property.

INAC recommends that any wastewater from a secondary containment structure should be sampled and analysed for hydrocarbons in accordance with a scientifically acceptable test methodology before being discharged to the environment. In accordance with NWB standard conditions for waste water from bulk fuel storage facilities, sample results should not exceed 15 mg/L of oil and grease, and have no visible sheen. Further, the test results should be submitted to an Inspector and the Board prior to the discharge of any wastewater to the environment.



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

Please feel free to contact me at your convenience should you wish to further discuss any part of this submission to the Board. I can be reached at 867-975-4566 or via email, tanya.trenholm@inac.gc.ca.

Cc. Lou-Ann Cornacchio, Manager, Water Resources Division – Indian and Northern Affairs Canada;