



Our reference
File #9545-2-3.3BC.ERIA
CIDMS #390949

February 19, 2010

Your reference
3BC-ERI

Richard Dwyer
Licensing Administrator
Nunavut Water Board
Gjoa Haven, Nunavut
X0E 1J0

Sent Via Email

Dear Richard,

**Subject Water License #3BC-ERI, Geological Survey of Canada, Ellef
Ringnes Island Project, Qikiqtani Region, New License
Application**

Please be advised that on behalf of Indian and Northern Affairs Canada, I have completed a review of the above referenced Geological Survey of Canada submission to the Nunavut Water Board.

A Technical Review Memorandum (attached) is provided to the Board for consideration.

Should you have any questions regarding this submission, feel free to contact me at 867 975-4555 or David.Abernethy@inac-ainc.gc.ca.

Regards,

David W. Abernethy
Water Resources Regional Coordinator
Operations Directorate, Nunavut Regional Office
Indian and Northern Affairs Canada
Iqaluit, Nunavut
X0A 0H0

Attached.

Cc: Lou-Ann Cornacchio, Manager of Water Resources
Peter Kusugak, Manger of Field Operations

TECHNICAL REVIEW MEMORANDUM

Date: Feb. 19/10

To: Richard Dwyer, Nunavut Water Board

From: David Abernethy, Indian and Northern Affairs Canada

Re: **Water License #3BC-ERI, Geological Survey of Canada, Ellef Ringnes Island Project, Qikiqtani Region, New Application**

A. PROJECT DESCRIPTION

On Jan. 11/10 the Geological Survey of Canada (GSC) submitted a license application to the Nunavut Water Board (NWB or Board) for water use and waste disposal associated with their Ellef Ringnes Island Project. The NWB subsequently distributed this submission to interested parties for review on Jan. 21/10, requesting representations within thirty (30) days.

The GSC will establish and operate a temporary scientific research camp on Crown Land in the summer seasons of 2010 and 2011. This camp will be situated on a sandy plain approximately 100 m from a small, unnamed creek. This location is adjacent to the Malloch Airstrip that was last occupied by Panarctic Oils for exploration purposes in 1976 as part of their Jackson Bay drilling program. The anticipated maximum number of people on site is 23, the average is 17. Combustible camp wastes will be incinerated on-site and gray water will be directed to a sump. Non-combustible wastes (including ash from the incinerator) will be directed to an approved landfill facility. A small fuel cache will be established to support project operations.

B. RESULTS OF REVIEW

The following comments / recommendations are provided to the Board for consideration,

1. Project Specific Topographic Map

- The GSC should submit a topographic map of their project area (scaled to an appropriate size) that identifies their camp, gray water sump, fuel cache, potable water source intake point, and allows for an understanding of any watersheds that can be affected by this undertaking. The maps included in their license application do not provide this information

C. Incineration of Wastes

- Any incineration of solid waste should be conducted in accordance with Environment Canada's March 2009 "Technical Document for Batch Waste Incineration."

D. Spill Contingency Planning

- Fuel and other hazardous material spills must be reported to Peter Kusugak, Manager of Field Operations. Peter can be reached by telephone at 867 975-4285, facsimile at 867 979-6445, and email at peter.kusugak@inac-ainc.gc.ca; and,
- The project's Spill Contingency Plan should be revised to include the following information,
 - applicable Material Safety Data Sheets; a topographic map that references all fuel caches and spill kit storage locations; and,
 - A copy of the NU-NT Spill Report Form.

Prepared by David Abernethy

Cc: Lou-Ann Cornacchio, Manager of Water Resources
Peter Kusugak, Manager of Field Operations