



April 7, 2011

Our reference
IQALUIT-#454866

Sent by email: licensing@nunavutwaterboard.org

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
Gjoa Haven, Nunavut
X0E 1J0

Your reference
3BC-CVF----

**Re: Type 'B' Water Licence No. 3BC-CVF---- – Case 12 Vendom Fiord
Project – German Federal Institute for Geosciences and Natural
Resources – Qikiqtani Region – New Application**

Dear Phyllis,

Thank you for your March 7, 2011 request for written representations on the
above referenced submission.

A Technical Review Memorandum is provided for the Board's consideration.

Please do not hesitate to contact me by telephone at 867 975-4555 or email at
David.Abernethy@inac-ainc.gc.ca to discuss this submission.

Regards,

David W. Abernethy
Water Resources Regional Coordinator
Operations Directorate
Nunavut Regional Office
Iqaluit, Nunavut
X0A 0H0

Encl.

c.c.: J. Rogers, Water Resources Manager
P. Kusugak, Field Operations Manager

Technical Review Memo

TO	Phyllis Beaulieu Manager of Licensing Nunavut Water Board	OUR REFERENCE File #9545-2-3.3BC-CVFA IQALUIT-#454866
FROM	David Abernethy Water Resources Regional Coordinator Indian and Northern Affairs Canada	YOUR REFERENCE 3BC-CVF---- DATE April 7, 2011
SUBJECT	Type 'B' Water Licence No. 3BC-CVF---- – Case 12 Vendom Fiord Project – German Federal Institute for Geosciences and Natural Resources – Qikiqtani Region – New Application	

A. PROJECT DESCRIPTION

On March 7, 2011 the Nunavut Water Board (the Board) distributed notice of the German Federal Institute for Geosciences and Natural Resources (the Applicant) February 15, 2011 application for a Type B Water Licence. If approved, this licence would permit the use of water and disposal of wastes associated with their Case 12 Vendom Fiord Project.

The Applicant's project consists of an airborne aeromagnetic survey and helicopter supported geological field work in an area between Strathcona Fiord and Vendom Fiord on Ellesmere Island (approximately 200 km north of Grise Fiord). Up to fifteen (15) project personnel will be accommodated in a temporary camp near the Humphreys River at the north end of Vendom Fiord. Project activities are anticipated to occur during the month of August 2011.

The use of one (1) m³ of water per day from a tributary to the Humphreys River has been requested. Sewage and grey water will be directed to sumps. The disposal of solid wastes, including empty fuel drums, and hazardous waste materials in Hamlet of Resolute facilities is planned.

According to the research permit application form that was submitted to the Nunavut Research Institute, a cache of up to one-hundred-fifty (150) 220 L drums of fuel will be mobilized to the project area.

B. RESULTS OF REVIEW

On behalf of the Indian and Northern Affairs Canada (INAC) Water Resources Division I am providing the following comments/ recommendations for the Board's consideration,

1. General Observations

- Standard Water Licence terms and conditions applicable to camp operations and fuel management should be included in a Water Licence for this project.

2. Fuel Management

- The submitted Spill Contingency Plan should be revised to include the INAC Water Resource Officer's contact information (i.e., Tel. 867 975-4295, Fax 867 979-6445). The INAC Water Resource Officer should be notified of any hazardous material spills.

3. Solid Waste Management

- The submitted application references the burning of solid waste materials and the disposal of ash in the Hamlet of Resolute. The INAC Water Resources Division recommends that any burning of waste materials be carried out in accordance with Environment Canada's, "Technical Document for Batch Waste Incineration." This document provides information on appropriate incineration technologies, best management and operational practices, monitoring, and reporting.
- According to the submitted application, solid waste materials will be disposed at the Hamlet of Resolute. A letter from the Hamlet of Resolute confirming that they will accept solid waste materials should be provided before any licence is issued.

Prepared by David Abernethy

c.c.: J. Rogers, Water Resources Manager
P. Kusugak, Field Operations Manager