



February 4, 2011

Our reference
File #9545-2-3.2BE.RBPA
CIDM #446247

Sent by email: licensing@nunavutwaterboard.org

Your reference
2BE-RBP0811

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

**Re: Nunavut Water Board License #2BE-RBP0811, Advanced
Explorations Inc., Roche Bay Magnetite Project, Qikiqtani Region,
Amendment Application**

Dear Richard,

Thank you for your January 6, 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 and/ or any questions that you may have.

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 Memorandum

TO	Richard Dwyer Licensing Administrator Nunavut Water Board	OUR REFERENCE File #9545-2-3.2BE.RBPA CIDM # 446247
FROM	David Abernethy Water Resources Regional Coordinator Indian and Northern Affairs Canada	YOUR REFERENCE 2BE-RBP0811 DATE Feb. 4, 2011
SUBJECT	Nunavut Water Board License #2BE-RBP0811, Advanced Explorations Inc., Roche Bay Magnetite Project, Qikiqtani Region, Amendment Application	

A. PROJECT DESCRIPTION

On Jan. 6, 2011 the Nunavut Water Board (NWB or Board) distributed a public notice of Advanced Explorations Inc.'s Nov. 16, 2010 application to amend and extend their Type B licence, #2BE-RBP0811. Interested parties were invited to review this submission and make written representations by Feb. 6, 2011.

Advanced Exploration Inc. has requested that their Roche Bay Magnetite Project's licence be amended to divide the services provided by their current Roche Bay Camp into two smaller camps and that their licence term be extended from the present expiry date of Oct. 31, 2011 to Jan. 1, 2016. The company plans to move two-thirds of the Roche Bay Camp to the new Peninsula Camp which was selected because a mineral exploration camp was previously located at this site and its proximity to core storage facilities, an airstrip, and a beach material storage area. They have requested that their daily water consumption limit be lowered from 300 m³ to 280 m³ per day. No changes to the domestic water use limit of 7.5 m³ per day are proposed. Of this amount, 5 m³ would be consumed at the new Peninsula Camp and 2.5 m³ would be consumed at the Roche Bay Camp. The remaining amount will be for drilling operations.

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 terms and conditions for Type B Exploration Licences should continue to be applied to this undertaking.

2. Spill Contingency Planning

- The project's Spill Contingency Plan states that fuel spilled within secondary containment berms will be cleaned-up using appropriate methods. This plan should be revised to describe the clean-up methods that will be followed. To protect the quality of nearby water sources, direct release of effluent cannot be allowed from secondary containment structures used for the storage or handling of fuel and other petroleum hydrocarbon based substances if a visible sheen of oil and grease exists. A filtration system designed to remove hydrocarbons should be employed prior to the release of such effluent.
- Advanced Explorations Inc.'s Spill Contingency Plan should be revised to include INAC's Manager of Field Operations as a contact for reporting any fuel or hazardous material spills. The Manager can be reached by telephone at 867 975-4295 and fax at 979-6445.
- The submitted Spill Contingency Plan should be revised to include detailed topographic maps that, as a minimum, identify project infrastructure, hazardous material storage locations (include fuel and drill salt), surface water bodies, domestic water sources, and any other important site features.

3. Licence Extension

- Advanced Exploration Inc.'s request to extend their licence term is reasonable. A minimum five (5) year extension is recommended.

Prepared by David Abernethy

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