



Effective June 16, 2006

P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

ᓄᓇᓂᓪ ᐃᓕᓕᓂᓪ ᓂᓂᓕᓂᓪ
NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

WATER LICENCE APPLICATION FORM

Nunavut Water
Board

JAN 30 2008

Public Registry

Application for: (check one)

☐ New ☐ Renewal ☒ Amendment ☐ Assignment ☐ Cancellation

LICENCE NO:
(for NWB use only)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

Roche Bay plc.
Chandler & Cooper
Suite 203, 626 Tumiit Plaza
PO Box 2021
Iqaluit, Nunavut X0A 0H0 Canada

AND

Advanced Explorations Inc.
50 Richmond Street East, Suite 300
Toronto, Ontario M5C 1N7 Canada

Phone: 514-969-0426
Fax: 514-221-2348
e-mail: candace@rochebay.com

2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)

Roche Bay plc.
Chandler & Cooper
Suite 203, 626 Tumiit Plaza
PO Box 2021
Iqaluit, Nunavut X0A 0H0 Canada

AND

Advanced Explorations Inc.
50 Richmond Street East, Suite 300
Toronto, Ontario M5C 1N7 Canada

Phone: 514-969-0426
Fax: 514-221-2348
e-mail: candace@rochebay.com

3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)

Latitude: (68°15' – 68°30' N) Longitude: (82°00' – 84°00' W)
NTS Map Sheet No. 047A06 Scale: 1:50,000

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

Currently, AEI is conducting systematic drilling Crown lease number 2952, 2953, 2954 and 2955 which is found on Inuit Owned Lands. These leases cover the A, B, C, D and E ore bodies for a total of 5515 acres. We intend to drill approximately 120 holes to an average depth of 250-300 meters. Our goal is to extract approximately 25,000-30,000 meters of core and chip samples for geological modeling and resource definition. This activity is necessary to prove the resource and verify that the product specification can be met.

Primary access to the site will be via cargo plane from Churchill to Roche Bay and by chartered barge and scheduled sealift. Ground transportation in summer and fall will be limited to the minimum and will only be considered on durable land such as the limestone peninsula and on tundra only when necessary travel has to be undertaken and the weather does permit flight. In winter snowmobiles and skidded equipment is used on adequate snow cover. Personnel will fly via commercial airline and charter flights to Hall Beach and helicopter or fixed wing aircraft will transport them from Hall

Beach to Roche Bay.

The activities will commence in March 2008, with the opening of the camp and mobilization of new equipment. Drilling will commence in April and continue through until November, as weather permits. The camp and operations will shut down in December and will reopen in March 2009.

A camp using Weatherhaven modules for a maximum of 60 people is set up on top of the C ore body.

5. **TYPE OF PRIMARY UNDERTAKING** (A supplementary questionnaire must be submitted with the application for undertakings listed in "**bold**")

- | | |
|---|---|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural |
| X Mining and Milling (includes exploration/drilling) | <input type="checkbox"/> Conservation |
| <input type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input type="checkbox"/> Miscellaneous (describe below): |

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

6. WATER USE

- ☒ To obtain water
☐ To cross a watercourse
☐ To modify the bed or bank of a watercourse
☐ Other (describe):
- ☐ Flood control
☐ To divert a watercourse
☐ To alter the flow of, or store, water

7. QUANTITY OF WATER INVOLVED (cubic metres per day including both quantity to be used and quality to be returned to source)

Water use 100m³/day or less
☒ Greater than 100m³/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.) 10cbm/day for the camp, 100cbm/day for each drill (5 drills total)

Water returned to source
 0 m³/day

8. WASTE (for each type of waste describe: composition, quantity (cubic metres per day), methods of treatment and disposal, etc.)

- ☒ Sewage
☐ Solid Waste
☐ Hazardous
☒ Bulky Items/Scrap Metal
- ☒ Waste oil
☒ Greywater
☒ Sludges
☐ Other describe):

Sewage: Incinerated.

Scrap metal: Flown/boated out from the site.

Waste oil: Put in 45 G barrels, identified and flown out from the site.

Greywater: Will be put in a sump.

Sludges: Will be put in a sump.

9. OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)**Land Use Permit**

DIAND ☒ Yes ☐ No If no, date expected _____

Regional Inuit Association ☒ Yes ☐ No If no, date expected _____

Commissioner ☐ Yes ☐ No If no, date expected _____

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

NIRB Screening ☒ Yes ☐ No If no, date expected _____

11. INUIT WATER RIGHTS

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?

No.

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

12. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

Matrix Aviation Solutions Inc. and Helicopter Solutions Inc., #8 Yellowknife Airport, Yellowknife, NT, X1A 3T2: Helicopter management and turn-key logistics.
Boart Longyear Inc., 310 Niven St., Haileybury, ON: Drilling Services
Bakers Narrows Air Service, Box 337, Flin Flon, MA, R8A 1N1: Fixed wing air service

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

- Environmental Baseline Studies 2006 Marine and Aquatic Resources (Available February 2008)
- 2006 & 2007 Water Quality and 2007 Preliminary Hydrology Programs Roche Bay, Nunavut (Available Feb. 08)
- Environmental Baseline Studies 2006 Vegetation Resources

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) X Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun/English Summary of Project X Yes ☐ No If no, date expected _____

Application fee of \$30.00 (Payee Receiver General for Canada) X Yes ☐ No If no, date expected _____

Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada)

X Yes ☐ No If no, date expected _____

15. PROPOSED TIME SCHEDULE (unless otherwise indicated, the NWT will consider the application for a five (5) year term)

☐ one year or less (or) X Multi Year

Start Date: April 1, 2006 Completion Date: August 2008

Candace Ramcharan
Name (Print)

VP Business Development
Title (Print)

Ramcharan
Signature

January 21, 2008
Date

For Nunavut Water Board office use only

Effective June 16, 2006

APPLICATION FEE	Amount: \$ _____	Pay ID No.: _____
WATER USE DEPOSIT	Amount: \$ _____	Pay ID No.: _____