



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

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

WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New ☒ **Renewal** ☐ Amendment ☐ Assignment ☐ Cancellation

LICENCE NO:
(for NWB use only)

<p>1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE</p> <p>Roche Bay plc. Chandler & Cooper Suite 203, 626 Tumiit Plaza P.O. Box 2021 Iqaluit, Nunavut X0A 0H0</p> <p>AND</p> <p>Advanced Explorations Inc. 50 Richmond Street East, Suite 300 Toronto, Ontario M5C 1N7</p> <p>Phone: 514-969-0426 Fax: 514-221-2348 Email: candace@advanced-exploration.com</p>	<p>2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)</p> <p>Roche Bay plc. Chandler & Cooper Suite 203, 626 Tumiit Plaza P.O. Box 2021 Iqaluit, Nunavut X0A 0H0</p> <p>AND</p> <p>Advanced Explorations Inc. 50 Richmond Street East, Suite 300 Toronto, Ontario M5C 1N7</p> <p>Phone: 514-969-0426 Fax: 514-221-2348 Email: candace@advanced-exploration.com</p>
<p>3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)</p> <p>Latitude: <u>(68°15' – 68°30' N)</u> Longitude: <u>(82°00' – 84°00' W)</u> NTS Map Sheet No. <u>047A06</u> Scale: <u>1:50,000</u></p>	
<p>4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)</p> <p>Currently, AEI is conducting systematic drilling on Crown lease numbers 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.</p> <p>Primary access to the site will be via cargo plane from Timmins 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</p>	

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 November 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. This camp will be relocated at a later date to the Peninsula area.

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

☐ **Industrial**

X **Mining and Milling**(includes exploration/drilling)

☐ **Municipal** (includes camps/lodges)

☐ Power

☐ Agricultural

☐ **Conservation**

☐ Recreational

☐ **Miscellaneous** (describe below):

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

6. WATER USE

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

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.) 500cbm/day total: ~10cbm/day for the camp, 100cbm/day for each drill (4-5 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
 ☒ Waste oil
☐ Solid Waste
 ☒ Greywater
☐ Hazardous
 ☒ Sludges
☒ Bulky Items/Scrap Metal
 ☐ 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
Outland Camps: 200-250 Eglinton Ave West, Toronto, Ontario M4R 1A7: Cook/Medic Personnel
WAM Airlines: General Delivery Matheson Island, R0C 2A0: 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
- 2006 & 2007 Water Quality and 2007 Preliminary Hydrology Programs Roche Bay, Nunavut
- 2006 & 2007 Wildlife Resources
- Environmental Baseline Studies 2006 Vegetation Resources
- 2006 Archaeological Investigations

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 NWB will consider the application for a five (5) year term)

☐ one year or less (or) X Multi Year

Start Date: September 1, 2008 Completion Date: August 31, 2012

Candace Ramcharan

Community and Government
Relations Manager



June 28, 2008

Name (Print)

Title (Print)

Signature

Date

For Nunavut Water Board office use only

APPLICATION FEE **Amount: \$**_____ **Pay ID No.:** _____

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