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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)

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)

Roche Bay plc will be conducting systematic drilling on Crown lease number 2953. This lease number is also known as the C ore body and the area totals 1983 acres. We intend to drill approximately 75-90 holes to an average depth of 300-400 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 Yellowknife to Roche Bay and by scheduled sealift. Ground transportation will make use of ATVs and trucks using the old roads and trails going from the airstrip to the camp site and ore bodies. Personnel will fly via commercial airline to Hall Beach and a boat, helicopter or fixed wing (depending on weather) will transport them from Hall Beach to Roche Bay.

The activities will commence in April 2007, with the construction of the camp by local contractors. Drilling will commence in May and continue through until November, as weather permits, and additional core will be flown out. In July, a barge will be chartered to bring in equipment. The camp and operations will shut down in December and will reopen in April 2008.

The drill will be set so that it will recirculate water as our purpose is to keep our water usage to a minimum. Any water that does need to be disposed will first go through a tank whose purpose is to enable the suspended solids to settle to the bottom of the tank before being spilled.

A camp using 20 Weatherhaven modules for a maximum of 34 people will be set up on top of the C ore body. This camp includes 1 camp supervisor, 1 geologist, 2 geology students, 3 sample prep people, 1 prospector, 3 drill foremen, 2 OFACCs, 2 helicopter pilots, 1 fixed wing pilot, 2 Inuit camp attendants, 8 Boart Longyear drillers, 4 Inuit drillers, 1 Inuit core cutter, and space for 4 visitors.

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

X To obtain water
☐ To cross a watercourse
☐ To modify the bed or bank of a watercourse
☐ Flood control
☐ To divert 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 100m^3/day or less
X Greater than 100m^3/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.) 5cbm/day for the camp, 80cbm/day for each drill (2 drills total)

Water returned to source
0 m^3/day

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

X Sewage
☐ Solid Waste
☐ Hazardous
X Bulky Items/Scrap Metal
X Waste oil
X Greywater
X 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	X Yes	☐ No	If no, date expected _____
Regional Inuit Association	X 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 X 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.)

Preliminary Report On The Hydrology of the Roche Bay Area January 1984
Prepared by Borealis Exploration Ltd. (0.75MB)

Initial Environmental Evaluation April 5, 1981
Prepared by Borealis Exploration Ltd. (3.7MB)

Addenda to the Initial Environmental Evaluation June 1981-December 1982
Prepared by Borealis Exploration Ltd. (4.23MB)

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

Supplementary Questionnaire (where applicable: see section 5) ☐ Yes X 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: April 1, 2006 Completion Date: August 2008

Candace Ramcharan	VP Business Developement	Ramcharan	July 17, 2007
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.: _____**