



Effective January 1, 2004

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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN

WATER LICENCE APPLICATION FORM

Nunavut Water
Board

JAN 9, 2006
DEC 15 2005
PB

Public Registry

Application for: (check one)

☒ New☐ Amendment☐ Renewal☐ Assignment**LICENCE NO:**

(for NWB use only)

**1. NAME AND MAILING ADDRESS OF
APPLICANT/LICENSEE**

Roche Bay plc.
Chandler & Cooper
Suite 202 Parnaivik Building
PO Box 2021
Iqaluit, Nunavut X0A 0H0 Canada
Phone: 403-245-4306
Fax: 503-621-3425
e-mail: candace@rochebay.com

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

Roche Bay plc.
Chandler & Cooper
Suite 202 Parnaivik Building
PO Box 2021
Iqaluit, Nunavut X0A 0H0 Canada
Phone: 403-245-4306
Fax: 503-621-3425
e-mail: candace@rochebay.com

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

The ore at Roche Bay is found in two families of deposits on the Melville Peninsula. One is in the west of the peninsula and the other is in the east (on Foxe Basin). In the east, there are two levels of understanding of the geology and metallurgy. There is earlier work based on surface mapping, channel sampling and trenching. In addition, the Adler and B deposits in the east have been systematically core drilled, and there is one drill hole in the C deposit. The core has been systematically sampled, assayed and studied by the Ontario Research Foundation. The goal of our undertaking is to more systematically drill holes on the Adler, B and C deposits.

Latitude: 68°15' - 68°30'Longitude: 82°00' 84°00'NTS Map No. 047A06 Scale 1:50,000**4. DESCRIPTION OF UNDERTAKING** (attach plans and drawings)

Our activities will be twofold. We will be conducting systematic drilling on lease numbers 2952-2953. These lease numbers are also known as the Adler, B and C ore bodies and the area totals 4228 acres. We intend to drill approximately 45 holes to a depth of 150 meters. We estimate that every 10 drill holes equals 2 hectares, so we will be doing drilling over 9 hectares. Our goal is to extract between 6000-7000 meters of core samples for process testing. This work will require a sixteen week time period, with a maximum total of 10 people involved in the activities.

Primary access to the site will be via L382G Hercules plane from Churchill and Yellowknife to Roche Bay. This plane will fly in the drill rig, camp equipment and fuel and food. There will be two such trips during the drill program. Ground transportation will make use of an ATV with a trailer as well as a snowmobile using the old haul roads going from the airstrip to the camp site and ore bodies. Personnel will fly via commercial airline to Hall Beach and a Bombardier personnel carrier will transport them from Hall Beach to Roche Bay. Depending on equipment availability, we will rent the ground transportation vehicles from the local Hall Beach community.

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

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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

In addition to the diamond core drilling, we will also be doing clean up work at the old Borealis site. Access to the old Borealis site is possible using the old haul roads. The ATV with trailer and snowmobile will be used to haul from the site to the airstrip.

A camp using 7 Weatherhaven modules for a maximum of 10 people will be set up on top of the Core body. This camp includes 4 drillers, 1 cook, 1 camp manager (Keith Sharp of Ferguson Lake Lodge), 1 geologist, 1 helper and 2 consultants at a time that will come in on a rotational basis.

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 |
| <input type="checkbox"/> Mining and Milling | <input type="checkbox"/> Conservation |
| <input type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input checked="" type="checkbox"/> Miscellaneous (includes exploration/drilling) |
| | (describe): <u>Exploratory drilling</u> |

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

6. WATER USE

- | | |
|---|--|
| <input checked="" type="checkbox"/> To obtain water | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> Flood control |
| <input type="checkbox"/> To alter the flow of, or store, water | <input type="checkbox"/> Other (describe): _____ |
| <input type="checkbox"/> To cross a watercourse | |

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

Approximately 2500G/day or 3456.48 cubic meters/year. The water will be returned without TTS since we will use a settling tank and then returned to the source.

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

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Waste oil |
| <input type="checkbox"/> Solid Waste | <input checked="" type="checkbox"/> Greywater |
| <input type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges |
| <input checked="" type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Other (describe) _____ |

Sewage: Incinerated in propane toilets.

Scrap metal: There will be approximately 100kg of scrap metal which will be flown out from the site.

Waste oil: There will be approximately 100 litres of waste oil which will be put in 45 G barrels, identified and flown out from the site.

Greywater: Will be run into a pond.

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

Land Use Permit

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DIAND ☐ Yes ☒ No If no, date expected being filed simultaneously.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 Not expected; exempt under schedule 12-1 since we fall under the category of "Prospecting, staking or locating a mineral claim".**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.**11. (Continued)**

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)

Ferguson Lake Lodge. Keith Sharp, Box 370 Rankin Inlet, Camp logistics.

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

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☒ Yes ☐ No If no, date expected _____**15. PROPOSED TIME SCHEDULE**☐ Annual (or) ☒ Multi YearStart Date: April 1, 2006Completion Date: August 2008Benjamin J. Cox
Name (Print)CEO
Title (Print)

Signature

Date

January 17, 2006