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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI

WATER LICENCE  
APPLICATION FORM

Nunavut Water  
Board

JUL 26 2005

Public Registry

INTERNAL	
PC	ap
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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.**

Chandles & 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](mailto:candace@rochebay.com)

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

**Roche Bay plc.**

Chandles & 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](mailto: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 C deposit (indicated as "Area C" on the map "Hall Lake Map with Ore Bodies").

Hall Lake Map with Ore Bodies

Latitude: 68°15' - 68°30' Longitude: 82°00' - 84°00' NTS Map No. \_\_\_\_\_ Scale 1:250,000

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

The purpose of our undertaking is to do very minor exploratory drilling for process work on the C iron ore body at Roche Bay (Permit area 47A). We are planning on drilling 5-6 six Winkie drill holes for a total of 200-300 meters of core. This will involve the reuse of water since we are planning on having two barrels to settle out core clippings and other waste rock.

We will also be doing some clean up of the old Borealis work site. Ideally, we will get all of the old barrels out of the area and moved to the dump at Hall Beach. We will also aim to collect any and all other waste so that it can be bagged and moved to the dump. At this time we will make a plan for next spring to disassemble the old heavy equipment and ship it out via the sealift in shipping containers. The reason for the delay is that we do not think that the equipment can be removed without at least a CAT to help move it.

These two projects should take 5-7 people, 3-4 weeks to complete. We will be using an ATV with a trailer to help with the trash clean up and to help bring in the equipment from the landing strip to the ore body. We will be using existing haul roads from the early 80's.

Our goal is to use at least 60% Inuit labour and we will aim to do 60% of our purchasing through local Inuit organizations. We estimate that we will be spending \$60,000-70,000 CDN on goods, services and people in Rankin Inlet and Hall Beach.

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

- |   |  |
|---|--|
| <input type="checkbox"/> Industrial                             | <input type="checkbox"/> <b>Remote/Tourism Camps</b> |
| <input type="checkbox"/> <b>Mine Development</b>                | <input type="checkbox"/> <b>Municipal</b>            |
| <input type="checkbox"/> <b>Advanced Exploration</b>            | <input type="checkbox"/> Power                       |
| <input checked="" type="checkbox"/> <b>Exploratory Drilling</b> | <input type="checkbox"/> Other (describe) _____      |

**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** (litres per second, litres per day or cubic metres per year, including both quantity to be used and quantity to be returned to source)

Approximately 378.54 litres per day, however most of it will be reused for the next day. The water will be returned without TTS since we will use clean barrels to let it settle.

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

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Sewage                  | <input checked="" type="checkbox"/> Waste oil   |
| <input type="checkbox"/> Solid Waste                        | <input 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: For 5 people for 3 weeks and will be buried in a sump.

Scrap metal: There will be approximately 45-90kg of scrap metal which will be flown out from the site.

Waste oil: There will be approximately 10-15 litres of waste oil which will be flown out from the site.

**9. 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 July 15, 2005

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)

None.

**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   ☐ No

If no, date expected \_\_\_\_\_

Inuktitut/English Summary of Project      ☒ Yes   ☐ No

If no, date expected   English Summary is enclosed, Inuktitut translation will be sent by July 30, 2005 at the latest.

Application fee \$30.00 (c/o of Receiver General for Canada) ☒ Yes ☐ No  
If no, date expected \_\_\_\_\_

15. PROPOSED TIME SCHEDULE

☒ Annual (or) ☐ Multi Year

Start Date: July 25, 2005

Completion Date: September 25, 2005

JANET S. LEVINE

Name (Print)

ENVIRONMENTAL Manager

Title (Print)

Signature

Date

5 JULY 2005

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$ \_\_\_\_\_

Receipt No.:

WATER USE DEPOSIT

Amount: \$ \_\_\_\_\_

Receipt No.: