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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN

WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New ☒ **X** Amendment ☐ Renewal ☐ Assignment

LICENCE NO:
(for NWB use only)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

Michael T Zurowski
Baffinland Iron Mines Corporation
Suite 500, 56 Temperance Street
Toronto, Ontario Canada, M5H 3V5

Phone: 416-364-8820
Fax: 416 364 0193
e-mail: michael.zurowski@baffinland.com

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

Phone: _____
Fax: _____
e-mail: _____

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

Location of the exploration work on the Mary River Project of Baffinland Iron Mines Corporation will be entirely on the existing mining leases 2483, 2484 and 2485. The camp is proposed as located on the attached topographical map centred as follows.

Latitude: 71° 18' 30 Longitude: 79° 23' 30'' NTS Map No. 37G/5 Scale 1:50,000

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

See attached project description and summary

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>Geological mapping/exploration drilling</u>

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

6. WATER USE

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

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

Camp requirements will be approximately 2 cubic metres per day, assuming 80 litres per day per man and an average 50-60 persons in the camp. It is planned to increase the number of drills on the project from two to four. Each drill has a maximum use capacity of 78 cubic metres per day (four drills - 312 cubic metres) assuming that it was drilling for 24 hours continuously. Consumption will be less as drills will be involved pulling rods, moves and other non-productive activity. Expected use would be 35 cubic metres (four drills -150 cubic metres) water per drill per day. The increase capacity is due to longer water lines, steep topography and the use of calcium chloride salt.

Water sources are camp creek a seasonal drainage and Mary River which has a flow rate of ~ 1 million cubic metres per 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): _____

Solid combustible waste will be incinerated. Waste oil and non-combustible waste will be removed from the site for proper disposal. Greywater, sewage and sludge/sumps will be backfilled.

9. PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)**Land Use Permit Q04L2C03**

- 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 Screening as conducted as part of this licence application

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)

Boart Longyear Ltd (Drilling)

310 Niven St.

Haileybury ON P0J 1K0

Tel: +1 705 672 3800

Fax: +1 705 672 3729

Toonoonik Sagoonik Co-Op (Logistics, technical and support staff and expediting, road construction)

Pond Inlet-Mittimatalik

Chris Mitchell-Manager

Tel: +1 867 899 8912

Fax: +1 867 899 8770

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

Specific to the project areas, numerous studies were undertaken in the 1960's. A list of various reports and studies that are available are attached. Many of these were filed with the government as reside in the assessment database.

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/English Summary of Project X Yes ___ No If no, date expected _____

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

Water Use fee (see Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada) X Yes ___ No If no, date expected _____

15. PROPOSED TIME SCHEDULE

___ Annual (or) X Multi Year

Start Date: 01 April 2005

Completion Date: 31 December 2006

Michael T Zurowski President

Michael Zurowski

13 March 2005

Name (Print)

Title (Print)

Signature

Date

For Nunavut Water Board use only

APPLICATION FEE

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

WATER USE DEPOSIT

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