

kNK5 wmoEp5 vtmpq
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

**WATER LICENCE
APPLICATION FORM**

Application for: (check one)

☐ New ☐ Amendment ☐ Renewal ☐ Assignment

LICENCE NO:

(for NWB use only)

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

BHP Billiton Diamonds Inc
1400 – 1111 West Georgia St
Vancouver, BC V6E 4M3

Phone: 604 632-1450

Fax: 604 683-4125

e-mail: jeremy.j.howe@bhpbilliton.com

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

SAME

Phone: _____

Fax: _____

e-mail: _____

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

An area roughly encompassing the Boothia and Simpson Peninsulas, south to Wager Bay drainage and west to the eastern edge of Queen Maud Gulf, including King William Island. All wildlife sanctuaries, proposed parks etc would be excluded.

Latitude: _____ Longitude: _____ NTS Map No. 56L,K,M,N O.
57A,B,C,D,E,F,G, 67 A,D Scale _____

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

See attachments

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

☐ Industrial ☒ **Remote/Tourism Camps**
☐ **Mine Development** ☐ **Municipal**
☐ **Advanced Exploration** ☐ **Power**
☐ **Exploratory Drilling** ☐ **Other (describe)** _____

6. WATER USE

021218 NW B2 HAY App₁ Form-12AE

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

Water usage at the camp is unlikely to exceed 150 litres per day. Waste water will be deposited in an upland sump.

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

- ☒ Sewage: *Septic; 6 people per day; latrine pit, chloride of lime treated*
☒ Waste oil: *probably only turbine oil from helicopter; to be flown out for recycling*
☒ Solid Waste: *nonflammable to be flown out; flammable burned on site*
☒ Greywater: *soapy water; upland sump deposition*
☐ Hazardous ☐ Sludges
☐ Bulky Items/Scrap Metal ☒ Other (describe) *fuel drums; to be flown out*

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 spring 2003
 Regional Inuit Association ☐ Yes ☒ No If no, date expected spring 2003
 Commissioner ☐ Yes ☒ No If no, date expected NA

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

None foreseen

- 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)

Helicopter Contractor – unknown at this time

Contract Geologist (1 only) – unknown at this time

Camp contractor – unknown at this time

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

In-house geological assessment

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 _____

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: June 2003 Completion Date: September 2003

Name (Print)

Title (Print)

Signature

Date

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$ _____

Receipt No.: _____

WATER USE DEPOSIT

Amount: \$ _____

Receipt No.: _____

ATTACHMENTS

Description of Undertaking

Summary

A regional surface sampling survey with 2 geologists and 1 helicopter is planned around the communities of Pelly Bay, Gjoa Haven and Taloyoak. It is expected to take the months of July and August to complete. Two thirds or more of this time, the operation would be based out of Gjoa Haven and Taloyoak with the remainder of the work being conducted from 2 small camps – one in the Hayes River area east of Chantry Inlet and one south of Bellot Strait. This type of exploration work is identical to that which BHP Billiton has engaged in for the past 3 years in the Kivalliq District. It's expected to have a similarly negligible impact on the land.

Timing

- Perhaps starting in June but most likely from July 1st to Aug 31st or early September, depending on snow conditions and the speed of the programme.
- Working from the communities will probably represent the first phase, to be followed by the camps.

Support Equipment

- 1 Hughes 500D or similar sized helicopter.
- Hand tools for collecting samples

Personnel (maximum at any one time)

- 2 pilots (to maintain BHPB safety standards on maximum flying hours per week per pilot)
- 1 helicopter engineer
- 2 geologists
- 1 cook / industrial first aid attendant (during camp # 1 phase only)

Fly Camps

Number 1

- 6 person fly camp with helicopter
- Probably on federal lands in the region of the Hayes River east of Chantry Inlet
- Duration 14 days
- Probably mobilized through Baker Lake via floatplane.
- 2 –3 sleep tents
- 1 kitchen tent (may or may not be on wood floor)
- 1-3500 watt gas generator (intermittent)
- water drawn either by hand or a small pump
- all tents, floors and equipment to be removed on completion of the camp.

Number 2

- 3 person fly camp with helicopter
- on federal lands south of Bellot Strait area north Boothia Peninsula
- Duration 4-5 days
- Probably mid July or mid Aug.
- 2 - 3 small mountaineering tents
- water drawn by hand
- all tents and equipment to be removed on completion of the camp

Fuel

- Those portions of the programme staged from the communities will rely on bulk jet A fuel purchased from their respective airports.
- The camp #1 fuel cache: 56 drums – jet B; 3 – gasoline; 4 – diesel. This fuel will probably be mobilized through Baker Lake by floatplane.
- Camp #2 fuel cache: 7 drums – jet B
- Camp fuel will be contained in a lined berm greater than 110% of the capacity of any drum.
- For both camps all fuel drums, full or empty, will be removed from the campsite to the point of disembarkation and arrangements made to barge the empties south to the supplier.

Socio/economic Benefits

- The small, specialised scale of this early phase of exploration affords little opportunity for either jobs or training. The purchase of fuel, meals and accommodation will, however, contribute somewhat to local businesses.
- If, as presently envisaged, the camp phase of the programme is mobilized from Baker Lake, the Inuit-owned expediting service (Peter's Expediting) will be used as in previous years.
- We will be in touch with the communities to outline the general nature of the work although it must be appreciated that early exploration strategy requires a low key approach since the point of the project is to determine and stake any mineral prospects before our competitors.

MAPS

- Regional Sampling Area
- Hayes River Area
- Boothia Peninsula

OTHER ATTACHMENTS

- MSDS sheets : Jet fuel, diesel, gasoline, oil
- BHPB General Spill and Contingency Plan