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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN

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

Shirley Standafer Pfister
DE BEERS CANADA EXPLORATION INC.
Suite 300 – Scotia Centre
5102 50th Avenue
Yellowknife, NT X1A 3S8

Phone: (867) 766-7300; -7317 (direct)

Fax: (867) 766-7348

e-mail: shirley.standaferpfister@ca.debeersgroup.com

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

DE BEERS CANADA EXPLORATION INC.
One William Morgan Drive
Toronto, ON M4H 1N6

Phone: (416) 423-5811

Fax: (416) 423-0081

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

Within Slave Geological Province, DBCE holds a mineral claimblock known as the “Rockinghorse Property” at the north end of Rockinghorse Lake (Koamaogaktok), 26km northwest of Lupin Mine; property includes claims known as “TAK 1”, “TL” claims, and, through an option agreement with Inmet Minerals, DBCE also holds title to 6 “TK” claims and 4 “MOR” claims within the same property. In addition, 34 claims NW of the main block, known as the “RHL” and “TQ” claims, are being recorded in the name of DBCE and may be explored commencing in summer, 2003. The main property recently has undergone legal survey, with the purpose of taking 44 expiring claims to lease. Co-ordinates of the main block and new adjacent claims are shown below. MAPS OF APPROPRIATE SCALES ARE ATTACHED WITH SUBMISSION.

RHL Property:

Latitude: 65° 45' -- 66° 15' Longitude: 111° 35' – 112° 25' NTS Map No. Straddles 76E, 76L, 86H, 86I, CO-05

New Claims: “RHL”: 66°13' 40” – 66° 20' N and 112° 35' – 112° 44' W

“TQ”: 66° 20' – 66° 29' N and 113° 31' – 113° 50' W

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

Continuation of and advancement of the existing exploration programme (fly-in camp, drill testing, evaluation). A drill programme is planned to occur between April and May, 2003, drilling into both the *Muskox* kimberlite on IOL and on exploration targets on Crown land (see attached “Areas of Interest” Map). SEE ATTACHED PROJECT DESCRIPTION.

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"/> Remote/Tourism Camps
<input type="checkbox"/> Mine Development	<input type="checkbox"/> Municipal
<input type="checkbox"/> Advanced Exploration	<input type="checkbox"/> Power
<input checked="" type="checkbox"/> Exploratory Drilling	<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	

*** Pump minimal amount of water for camp use (drinking, washing) and for use by core drill. Should a bulk sample be recovered in future (2004 or 2005), water use would increase accordingly and a detailed amendment would be submitted, or new licence sought, as appropriate, in advance of such action.**

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)

- Approx. 3m³/day potable water from unnamed lake on which camp is situated; greywater reports to approved sump. (Biodegradable soap, phosphate-free). Possible water use during till sampling would be negligible, as samplers carry daypacks with beverages, food, etc.

- Approx. 2m³/day per drill (NQ rod+core barrels) over max. of 3 weeks; about 80% of water is recirculated.

- Approx. 9m³/day per drill (PQ rod+core barrels) over max. of 6 weeks. In order to safeguard lake quality, if drilling on ice, no used water returned to source. (NOTE: This programme likely would precede rather run concurrently with the NQ drilling).

Current max. allowable under #NWB2ROC0002 = 15m³/day. In the event that two PQ-head drills were to run concurrently, the total per-day consumption would be an est. 21m³/day; with one drill, consumption would be an est. 12m³/day.

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

25-45 Pacho bags/day from Pacho toilets: burned or bagged and flown out. (No water required). **Sewage**

½ of 121L garbage container/day; what can't be burned, will be packaged and flown out. **Solid Waste**

For greywater, see 7. above. **Greywater**

Max. 140 1L containers of household cleaners, oils, lubricants; 2 drums waste fuel/oil and filters; incinerated or packaged and flown out for disposal. **Hazardous and Waste Oil**

N/A **Sludges.** Hard to est. at this time; possibly a Twin Otter-load flown out over project; scrap wood which can't be reused would be incinerated. **Bulky Items/Scrap Metal**

N/A **Other (describe)**

(PURCHASE OF CSA Environmentally-Rated Incinerator currently under consideration for 2003 programme, if a compact unit can be flown to site).

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

[Authorisation to Drill, Workers' Comp. Board, expires 31 Dec, 2002; can be extended].

Land Use Permit

#N2000C0021

DIAND ☒ Yes ☐ No If no, date expected _____

#KTL301C029

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.) *Minimal impact – REFER TO ATTACHED PROJECT DESCRIPTION.*

NIRB Screening ☒ Yes * ☐ No If no, date expected _____

*
Rockinghorse Project screened through application processes for currently-valid KIA and INAC land-use permits. NIRB did not require separate screening for the project in respect of current water licence #NWB2ROC0002.

11. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

- Boart Longyear, #403 47th St., Saskatoon, SK – Drilling Contractor
(306) 931-4466 (phone); (306) 931-1150 (FAX)
- Air Tindi, Box 1693, Yellowknife, NT – Fixed-Wing Contractor
(867) 669-8200 (phone); (867) 669-8210 (FAX)
- Great Slave Helicopters, Bag 7500, Yellowknife, NT – Helicopter Contractor
(867) 873-2081 (phone); (867) 873-6087
- Bryon Jones, in-house expeditor, DBCE Yellowknife Office
(867) 766- 7316 (phone); 444-1173 (cell); (867) 766-7348 (FAX)
- G&G Expediting, Box 1046, Yellowknife, NT -- Expeditor (if required)
(867) 669-9705 (phone); (867) 669-9706 (FAX)
- EBA Engineering, #201-4916 49th St., Yellowknife, NT -- Engineering and Environmental Consultant
(867) 920-2287 (phone); (867) 873-3324 (FAX)

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

-- "Water Quality Assessment of Muskox Lake, Rockinghorse Property, NWT" (12 May, 1997)
-- "Preliminary Archaeological Inventory and Assessment of Mineral Exploration Area and Winter Access Route, Rockinghorse Lake Area, Nunavut" (13 December, 2001)
-- Water Quality Results, Sampling at Troll Lake, NU, 2002 (One Event) (Report still in preparation – 2002)

13. 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 early Oct, 2002
* Summary provided for translation to Puulik Translation of Yellowknife, NT

Application fee \$30.00 (c/o of Receiver General for Canada) ☒ Yes ☐ No (SENT BY COURIER on 01 Oct 2002)

14. PROPOSED TIME SCHEDULE

☐ Annual (or) ☒ Multi Year

Start Date: 01 April 2003 Completion Date: 01 November, 2004

Name (Print)Title (Print)SignatureDate

(NOTE: SIGNATURE PAGE ALSO WILL BE FAXED)

For Nunavut Water Board use only		
APPLICATION FEE	Amount: \$ _____	Receipt No.:
WATER USE DEPOSIT	Amount: \$ _____	Receipt No.: