



Effective January 1 2005

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN

Tel:

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 INC.
#300 – 5102 50th Avenue
Yellowknife, NT X1A 3S8

Phone: (867) 766-7356 (direct)

Fax: (867) 766-7348

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

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

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

Phone: (416) 645-1710

Fax: (416) 423-0081

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

At the NW edge of the Slave Geological Province, 60km south of the Coronation Gulf and 20km south of Kikerk Lake (*Kikkiktalik*), DBCE holds a mineral claimblock known as the "Kikerk/Knife Lake Property". Property is comprised of 5 directly-held claims: *KL 08*, *KL 10*, *KL 11*, *KL 12* and *TREE 1*. The subject of exploration is a small waterbody known as "Knife Lake", which lies NE-SW across *KL 12* and *TREE 1*. All the claims have undergone legal survey and have been taken to lease. Co-ordinates of the small block are shown below. MAPS ARE ATTACHED WITH SUBMISSION.

Kikerk/Knife Lake Property:

Latitude: 66° 40' -- 67° 30' Longitude: 113° 04' -- 113° 20' NTS Map Nos. 86P/03 and 86 I/14

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

Continuation of exploration (temporary fly-in camp, core drilling, trenching). A drill programme is planned to occur between 01 May [after erection of camp] and 10 June 2006, with trenching possible between 21 May and 03 June 2006 – all work being at Knife Lake kimberlite, Crown land, W. Kitikmeot. (See attached MAPS and PROJECT DESCRIPTION).

5. TYPE OF PRIMARY UNDERTAKING (A supplementary questionnaire must be submitted with the application for undertakings marked with an asterisk.) See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings)

☐ Industrial *

☐ Mining and Milling *

☐ Municipal (includes camps/lodges)

☐ Power

☐ Agricultural

☐ Conservation *

☐ Recreational

☒ Miscellaneous (includes exploration/drilling) *
(describe): cf. Suppl. Questionnaire + Proj. Description.

6. WATER USE

- ☒ 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

*** Pump water for camp use (drinking, washing) and for core drilling; no particular water requirement for trenching. Should a bulk sample be recovered in 2007, details would be submitted in advance and likely an AMENDMENT of licensed volume would be requested.**

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

- Approx. **10m³**/day potable water from Tree River on which temporary CAMP would be situated; greywater reports to a hand-dug sump. (Biodegradable soap, phosphate-free). Possible water use during any summer programme would be negligible. (Estimated per-person use per-day = 0.25m³).

- Approx. **50m³**/day/ for core rig(s) + casing rig; about 80% of water is recirculated.

GRAND TOTAL/DAY: 10m³ + 50m³ = **60m³** WATER USE REQUESTED IN THIS RENEWAL

- **NOTE:** Should a large-diameter reverse-circulation (RC) production rig be deployed in 2007 (assuming LDDH of 61cm), the 50m³/day total drilling allotment might not prove sufficient and might require amending of licence volume, e.g., to an additional 50m³/day or as a yearly allotment.

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

20-40 Pacto bags/day from Pacto toilets (min. no. in 2006): burned or incinerated. (No water required). If 2 pit privies are used instead, pit would be quick-limed and re-covered with fill. **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 containers of household cleaners, oils, lubricants (max. 500L); 4 drums waste fuel/oil and filters: drummed waste hydrocarbons to be flown out for disposal. **Hazardous and Waste Oil**

N/A **Sludges.**

Hard to est. scrap at this time; possibly a Twin Otter-load flown out over project; scrap wood which

can't be reused would be burned or incinerated and ash collected and removed in barrels. **Bulky Items/Scrap Metal**

N/A **Other (describe)**

(PURCHASE OF CSA Environmentally-Rated Incinerator currently under consideration for 2006 programme; otherwise, a 205L drum would be designated as a burn barrel + fitted with a flue kit to ensure hot burn.

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

[Exploration Authorisation, Workers' Comp. Board, will be renewed prior to spring 2006 programme].

Land Use Permit

DIAND #N2003C0037 ☒ Yes ☐ No If no, date expected _____

NWB #NWB2KIK0405 ☒ Yes (expires 31 December 2005)

Regional Inuit Association N/A ☐ Yes ☐ No If no, date expected _____

Commissioner N/A ☐ Yes ☐ No If no, date expected _____

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.) REFER TO ATTACHED PROJECT DESCRIPTION.

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

(#03EN128)

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?

YES or NO.

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)

(NOTE: This list is provisional, as programme will not occur until spring 2006. NWB and INAC will be advised of any changes, when final list of contractors is known.)

- Boart Longyear, #403 47th St., Saskatoon, SK – Drilling Contractor
(306) 931-4466 (phone); (306) 931-1150 (FAX)
- Aurora Geosciences Ltd., 3502 Racine Rd., Yellowknife, NT – Geophysical Contractor (if in-house staff not used)
(867) 920-2729 (phone); (867) 873-3816 (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
- Manfred Eder, JMS Supplies Ltd., Kugluktuk, NU – Local Expeditior
(867) 982-3324 (phone); (867) 982-3505 (FAX)
- G&G Expediting, Box 1046, Yellowknife, NT -- Expeditior (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)

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

(ALREADY SUBMITTED TO NWB):

- (1) "Archaeological Overview Assessment of the TREE 1 Claim and Surrounding Area, Kikerk Lake Mineral Exploration Area, Nunavut", Jacques Whitford Environment Ltd., 28 February 2001
- (2) "Archaeological Inventory and Assessment of Mineral Exploration Areas at Muskox Lake, Napaktulik Lake and Knife Lake, NU", Jacques Whitford Environment Ltd., 23 April 2004
- (3) "A Brief Summary of Knife Lake, NU, Winter 2004 Water Quality Sampling Programme", EBA Engineering Consultants Ltd., January 2005
- (4) "Preliminary Archaeological Assessment of Proposed Knife Lake Exploration Camp Location, and Mitigation Recommendations", letter report by C. Thomson, Thomson Heritage Consultants, 27 October 2003 [Appendix 10B to water-licence application for #NWB2KIK0405 in December 2003]
- (5) "Summary Report on Archaeological Surveys in the Vicinity of a Proposed Exploration Camp, Knife Lake/Tree River Area, Nunavut", summary accompanying (4) above [Appendix 10A to water-licence application for #NWB2KIK0405 in December 2003]

(NOT SUBMITTED TO NWB, BUT PUBLICLY AVAILABLE):

(6) Relevant research not directly associated with the project: *"Final Report on Resource Management Planning in West Kitikmeot", Nunavut Planning Commission Transition Team, July 1996*

(7) Relevant research not directly associated with the project (though financially-supported by De Beers): *"Walking in the Path of the Caribou – Knowledge of the Copper Inuit – Placenames Atlas, Naonayaotit Traditional Knowledge Project", V. Banci, C. Hanks, R. Spiker, Editors, and Kitikmeot Inuit Association, 19 December 2003*

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 (Payee Receiver General for Canada) ☒ Yes ☐ No If no, date expected _____

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

15. PROPOSED TIME SCHEDULE

☐ Annual (or) ☒ Multi Year

Start Date: 24 April 2006 Completion Date: 01 October 2008

((NOTE: Allows for 4 months awaiting renewed licence, when no work is occurring, and several months per year between seasons, when no planes can land on ice at this fly-in property).)

Shirley Standafer-Pfister Lands and Government Relations Mgr.

Name (Print)

Title (Print)

Signature

Date 05 December 2005

For Nunavut Water Board use only

APPLICATION FEE Amount: \$ _____ Pay ID No.: _____

WATER USE DEPOSIT Amount: \$ _____ Pay ID No.: _____