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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: De Beers Canada Inc. – Exploration Division_____Licence No:
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Matthew Pickard Tel: (416) 645-1710
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   E-mail: matthew.picard@ca.debeersgroup.com

2. Project Managers: Don Boucher Tel: (416) 645-1710
   Fax: (416) 423-9944
   E-mail: donald.boucher@ca.debeersgroup.com

3. Does the applicant hold the necessary property rights?

   Yes

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.

   No

5. Duration of the Project
   [ ] Annual
   [X] Multi Year:
   If Multi-Year indicate proposed schedule of on site activities
   Start: July 22, 2007 Completion: August 31, 2007
Application to August 31, 2009

CAMP CLASSIFICATION – N/A (utilizing accommodation in the community of Baker Lake)

6. Type of Camp
   [ ] Mobile (self-propelled)
   [X] Temporary
   [ ] Seasonally Occupied:
   [ ] Permanent
   [ ] Other:

7. What are the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?

The camp will be comprised of 10 tents for up to 13 people at 64º 06' 40"N by 97º 52'30"E. The camp will be set up adjacent to a water body.

8. Provide history of the site if it has been used in the past.

N/A

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.

The proposed camp will be set up on the north shore of Princess Mary Lake.

9. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs.

The location was selected in order to facilitate accessibility to sampling locations.

Wildlife and heritage sites were also considered. Advice has been sought from Canadian Wildlife Services and the Department of Culture, Language, Youth and Elders in order to avoid disturbance of any heritage sights, calving or nesting areas and wildlife.

11. Is the camp or any aspect of the project located on:
[X] Crown Lands Permit Number (s)/Expiry Date: 4575, 4576, 4578-4580, 4584, 4586, 4589-4591, 4595-4598, 4600-4609, 4614-4617, 4633, 4634/January 31, 2008
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[ ] Inuit Owned Lands Permit Number (s)/Expiry Date: _____

12. Closest Communities (distance in km):

Baker Lake –60 miles

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?

Yes

14. Will the project have impacts on traditional water use areas used by the nearby communities? Will the project have impacts on local fish and wildlife habitats?

There should be no impact on traditional water use areas. Disturbance to wildlife will be minimal. The sampling, ground geophysics, mapping and spectrometer surveys will be done in very localized areas. The local HTO's indicated that there were no large herds in the work area and since that time very few Caribou have been seen.

PURPOSE OF THE CAMP

15.
- ● Mining
- ○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
- ○ Other _____ (Omit questions # 16 to 22)

16.
- ○ Preliminary site visit
- ● Prospecting
- ○ Geological mapping
- ● Geophysical surveys
- ● Diamond drilling
- ○ Reverse circulation drilling
- ○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ● Other: Geological Sampling and Mapping

17. Type of deposit:
- ○ Lead Zinc
- ● Diamond
- ○ Gold
- ● Uranium
- ○ Other: _____

DRILLING INFORMATION

18. Drilling Activities – Exploration for Diamonds

A platform core drill is planned to test all targets that occur on land. If any targets below small lakes are identified then the core drill will be used from land to drill angle holes. If any targets are identified under larger water bodies they will be drill tested during the Winter of 2007.

- ● Land Based drilling
- ○ Drilling on ice

19. Describe what will be done with drill cuttings?

Core from the core drill will be collected and placed into wooden boxes and flown back to Sudbury for storage or processing.

20. Describe what will be done with drill water?

The drill water will be re-circulated as much as possible and any excess will be deposited onto the tundra at the drill collar location. Supervisors will ensure all drill collar locations are >31m from all water sources.

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable.

Matex DD 2000

22. Will any core testing be done on site? Describe.

No

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.

Yes, refer to RCD 064.

24. How many spill kits will be on site and where will they be located?

1 large spill kit of 200 L will be located at the drill, near the fuel cache and at the helipad. A smaller spill kit will be kept on the helicopter. Additional absorbent padding will be kept in stock and on hand.

1 large spill kit of 200 L will be located near the fuel cache/helipad/airstrip. One smaller spill kit (10 L) will be located near the generator.

A large spill kit will be located at the drill rig when drilling activities are planned.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.

Approximately 160 45-gallon drums of Jet A fuel will be stored at the fuel cache at any one time.
Approximately twenty-five cwt propane will be stored at the camp site at any given time.
Approximately twenty 45-gallon drums of heating oil will be stored at the camp site.
Approximately seventy 45-gallon drums of diesel will be stored at the camp site.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Any water sources utilized for drilling purposes will be small lakes or streams closest to the collar location.

27. Estimated demand (in L/day * person):

- ● Domestic Use: 1000 L/day Water Source: Nearest Lake
- ● Drilling Units: 20000 L/day Water Source: Lake or Stream
- ○ Other: _____ Water Source: _____

Number of drill holes = 5-10

Water use per drill hole = approximately 7000L/drill hole

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:

A submersible pump is used with a 2 mm mesh screen to prevent entrainment.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?

Water quality will be tested at the start by Maxxam Analytics Inc.

30. Will drinking water be treated? How?

All water for camp is passed through a sediment filter and then a UV filter.

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31. Will water be stored on site?

No

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:

- Camp Sewage (blackwater)

Pit privy at least 31 meters from any body of water

- Camp Greywater

Gravel lined sump at least 31 meters from any water body

- Solid Waste

Back haul to authorized landfill

- Bulky Items/Scrap Metal

Back hauled to the authorized landfill

- Waste Oil/Hazardous Waste

Shipped back to Sudbury

- Empty Barrels/Fuel Drums

Back hauled to authorized waste disposal facility

- Other:

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33. Please describe incineration system if used on site. What types of wastes will be incinerated?

No incineration

34. Where and how will non-combustible waste be disposed of ? If in a municipality in Nunavut, has authorization been granted?

Back haul to Baker Lake.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).

The sump is located between the dry (shower) and the kitchen/mess tent at least 31m from the high level mark of the lake. The material is sandy gravel and the sump is fenced off.

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?

No

OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?

A procedure is in place for the Use and Handling of Water see OP 028.

Similar processes have been used at other projects in Nunavut. O&M problems are not likely to occur.

A Spill Contingency Plan is in place (RCD 064) should a spill occur outside the sump area.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

Please refer to RCD 70 which is attached.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.
    - ● Physical Environment (Landscape and Terrain, Air, Water, etc.)
    - ● Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic
    - ○ Organisms, etc.)
    - ● Socio-Economic Environment (Archaeology, Land and Resources Use,
    - ○ Demographics, Social and Culture Patterns, etc.)
    - ○ Other:

See RCD 042 – Wildlife Sitings
CL 007 – Camp Inspections
RCD 064 – Heritage Site Information Sheet

REGULATORY INFORMATION

40. Do you have a copy of
    - ● Article 13 - Nunavut Land Claims Agreement
    - ● NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
    - ● NWB - Interim Rules of Practice and Procedure for Public Hearings
    - ● NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
    - ● NWTWB - Guidelines for Contingency Planning
    - ● DFO - Freshwater Intake End of Pipe Fish Screen Guideline
    - ● Fisheries Act - s.35
    - ● RWED - Environment Protection- Spill Contingency Regulations
    - ● Canadian Drinking Water Quality Guidelines
    - ● Public Health Act Camp Sanitation Regulations
    - ● Public Health Act Water Supply Regulations
    - ● Territorial Land Use Act and Regulations

You should consult the above document, guidelines, and legislation for compliance with existing regulatory requirements.