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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: _Diamonds North Resources Ltd___ **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: **Graham Gill** Tel:**604 689 2010** Fax: **604 484 7143**
E-mail:**ggill@diamondsnorthresources.com**

2. Project Manager: **Shelli Jober** Tel: **as above** Fax: **as above** E-mail:
s.jober@diamondsnorth.com

3. Does the applicant hold the necessary property rights? **Yes. All claims currently in the name of Diamonds North Resources Ltd.**

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: **January 1st, 2007** Completion: **December 31st, 2012**

CAMP CLASSIFICATION

6. Type of Camp
[ ] Mobile (self-propelled)
[ ] Temporary
[ ] Seasonally Occupied:
[ ] Permanent
[x] Other: **Exploratory drilling only. Camp is located within the NWT.**

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

Not Applicable.

8. Provide history of the site if it has been used in the past.
Not Applicable.

CAMP LOCATION

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

Not Applicable.

10. 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.

Not Applicable.

11. Is the camp or any aspect of the project located on:

[**x**] Crown Lands Permit Number (s)/Expiry Date: **Land Use permit for drilling operations within Nunavut recently applied for.**

[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____

[ ] Inuit Owned Lands Permit Number (s)/Expiry Date:

12. Closest Communities (distance in km):
Kugluktuk located approximately 150 kms north of area of drilling.

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Diamonds North has consulted with First Nations groups within the NWT for the portion of the work that will be conducted on that side of the border. Plans are currently in place to notify the residents of Kugluktuk of our intended work programs within Nunavut.

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?
No. The remoteness of the area is such that there will be no effect on traditional water use areas used by the local community(ies). As stated in the Water Licence Application the company has various mitigation measures in place that will minimize and/or negate any impacts to local fish or wildlife habitats.

PURPOSE OF THE CAMP

Not Applicable.

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 survey
○ Diamond drilling

- ○ Reverse circulation drilling
- ○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ○ Other:

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

DRILLING INFORMATION

18. Drilling Activities
    - **X**○ Land Based drilling
    - **X**○ Drilling on ice (**Minimal – 5 -10 holes)**

19. Describe what will be done with drill cuttings?
    Cuttings will be directed/pumped into a topographic low and contained in a manner to prevent transport into any water body. A typical 100 meter long hole will only create 0.14 cubic meters of cuttings. Any cuttings returned while drilling on-ice will not be left on ice but will be pumped to shore with the use of a Poly-drill system.

20. Describe what will be done with drill water?
    Drill water will be contained in a hand dug sump or natural depression whereby particulate matter can settle out or be filtered as necessary to prevent transport into any water body.

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.
    MSDS sheets are provided as attachments with the original Water Licence Application.

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. Plan provided as attachment with the Original Water Licence Application.

24. How many spill kits will be on site and where will they be located?
    Spill kits are placed at each fuel cache and with the drill at all times.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.
    Types of fuel: Diesel, Jet-A, Propane
    Quantity: 30-40, 30-40, 20
    Fuel stored in 45 gallon drums lying flat on the ground in areas of higher relief (eskers) and at least 30 meters from high water mark of any water body. All caches will be temporary.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Precise drill locations not known as this time. All drill water will be drawn from lakes.

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

○ Domestic Use: Water Source:
X○ Drilling Units: **38-60 cubic metres)/day.** Water Source: **Lakes**
○ Other: _____ Water Source: _____

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:
Not Applicable for camp operations. Small Honda water pump for drill purposes. Water intake equipped with screen of sufficient fine mesh as to not allow the entry of fish.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?
Not Applicable.

30. Will drinking water be treated? How?
Not Applicable.

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)
Not Applicable.

○ Camp Greywater
Not Applicable.

○ Solid Waste
Burnable solid waste will be backhauled to camp in the NWT and burned in a vented, base-fuel feed barrel; non-burnable material and any hazardous waste and used oil will be backhauled to an approved disposal site arranged by the contracted expediting company in Yellowknife.

○ Bulky Items/Scrap Metal
All materials to be backhauled to Yellowknife and deposited in an approved disposal site.

○ Waste Oil/Hazardous Waste
Backhauled to an approved disposal site arranged by the contracted expediting company.

○ Empty Barrels/Fuel Drums

Backhauled to Yellowknife for re-use or crushing and then disposal at an approved disposal site.

○ Other:

None.

33. Please describe incineration system if used on site. What types of wastes will be incinerated?
Not Applicable for Nunavut operations.

34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?
Non-combustible waste to be backhauled to Yellowknife and disposed of in an approved disposal site arranged by the contracted expediting company.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).
Drill sumps constructed near to the drill rig no closer than 30 metres from the normal high water mark of any waterbody. Hand dug sump dimensions usually 2 x 2 x 2 meters (or to permafrost level).

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency? **Not applicable.**

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?
Not applicable for operations in Nunavut.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
Progressive reclamation of drill sites is conducted as the program evolves. As all equipment is needed for the subsequent drill hole, each site is completely cleaned up prior to and during each drill move. Drill pads are typically only 100 (10 x 10) square meters and involve laying timbers on the tundra to support the lightweight drill and its components. All garbage, fuel drums and gear are removed at the end of each hole which takes only 2-3 days to complete (reverse circulation holes typically are completed in one day). Diamond drill hole collars are cut to ground level once the hole is complete. Any sumps utilized are backfilled. All sites are returned to as close to natural as possible at hole completion.

Garbage is returned to camp and incinerated. Any non-combustible material is backhauled to Yellowknife on all of the scheduled Twin Otter flights each week. At end of season all drill components, fuel and equipment are removed from site. Before and after pictures are taken at each drill site for record. See Abandonment and Restoration Plan attached to this application for more details.

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.)
- **X**○ Other: **No formal baseline studies have been initiated as project is only early stage exploration. However several other data is collected before and during all work phases as outlined below.**

1) Crew is requested to report and log wildlife sightings and locations.
2) Any and all archeological sites are noted and reported and not disturbed.
3) Prince of Wales Northern Heritage Centre notified prior to program commencement regarding documented heritage/culturally significant sites.
4) Wildlife specialists contacted prior to commencement such as RWED, CWS and DFO.

REGULATORY INFORMATION

40. Do you have a copy of?

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

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