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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Stornoway Diamond Corporation. LicenceNo: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Land Administrator: ***Nicole Westcott*** Tel: ***(604)668-8375*** Fax: ***(604)689-5041***
   E-mail: ***nwestcott@stornowaydiamonds.com***
2. Project Manager: ***Robin Hopkins*** Tel: ***604-331-2259***
   Fax: ***604-689-5041*** E-mail: ***info@stornowaydiamonds.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 [☑] Multi Year:
   If Multi-Year indicate proposed schedule of on site activities
   Start: ***April 2006*** Completion: ***Ongoing***

CAMP CLASSIFICATION

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?

Field crews will be working from a small, temporary camp designed to accommodate approximately 10 people at a time. Personnel will vary in number and job description but typically will consist of 4-5 drillers, 1 cook/first aid attendant, 1 helicopter pilot, 1 helicopter engineer, and 2 geologists.

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 camp location is located on bare, frost shattered bed rock.

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.

The proposed sites were chosen for their proximity to un-vegetated areas which are suitable for use as aircraft landing strips and their proximity to a suitable water source.

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

[**X**] Crown Lands Permit Number (s)/Expiry Date ***Application for a Class B Land Use Permit is being submitted concurrently with this application***
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[ ] Inuit Owned Lands Permit Number (s)/Expiry Date:_____

12. Closest Communities (distance in km):

Iqaluit ~200 km
Cape Dorset ~ 225 km
Pangnirtung ~300 km

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

Due to the remote location of the project area and the preliminary nature of the exploration program the socio-economic and environmental impact of the work associated with this project will be minimal to none, however information packages will be sent to the each of the respective Hamlet Offices and HTO's in both Cape Dorset and Pangnirtung. These packages will contain information regarding the project, and up to date contact information for Stornoway Diamond Corporation.

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

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

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

DRILLING INFORMATION

18. Drilling Activities
- ⦸ Land Based drilling
- ⦸ Drilling on ice

19. Describe what will be done with drill cuttings?

Drill cuttings will be pumped to sumps and backfilled upon completion. Any on-ice cuttings will be scraped clean and removed to an on-land sump.

20. Describe what will be done with drill water?

Drill water will be re-circulated, but some may be lost in the rock face. The drill will be accompanied by a "Poly Drill" or similar filtration system to treat return water where applicable.

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.

Polydrill 550 (MSDS Sheets attached.)

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, please see attached

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

A spill kit will be located at the fuel storage area in camp, and spare kits will be on hand in the camp. Please also see the attached Spill Contingency Plan which, once camp is constructed, will contain a camp schematic indicating the location of all spill kits.

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

Fuels	( )	Number of containers	Capacity of containers	Method and Location of Storage
Diesel		9	205 Litres (drum)	
Aviation fuel	Jet B	10	205 Litres (drum)	In drums in camp fuel storage area 50m away from tents
Propane		2	45 Kg (100lb)	At camp
Other	Oil	Several cases of 4 cycle engine oil	1 Liter each (24/case)	At camp and at each drill site, in cool, dry locations

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Water sources will be proximal to the camp sites shown in the attached figure.

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

- ⦸ Domestic Use***:*** ***~ 400 litres per day*** Water Source: ***Lake proximal to camp sites***
- ⦸ Drilling Units: ***10,000 to 15,000 litres per day*** Water Source: ***Lakes proximal to drill sites (While Drilling)***
- ○ 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:

Camp will utilize a small supply pump with screened supply end to prevent fish from becoming entrapped.

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

No

30. Will drinking water be treated? How?

No.

31. Will water be stored on site?

A small amount of water will be stored at camp each day for domestic purposes (ie. Cooking, washing, etc.)

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:
    - ⦸ Camp Sewage (blackwater) – ***Sewage will be disposed of in a pit that will be backfilled upon completion of the program***

    - ⦸ Camp Greywater – ***Greywater will be disposed of in a sump that will be backfilled upon completion of the program***

    - ⦸ Solid Waste – ***Garbage will be incinerated at camp and any unburnable items will be backhauled to Iqaluit for proper disposal***

    - ⦸ Bulky Items/Scrap Metal – ***Items will be backhauled to Iqaluit for proper disposal.***

    - ⦸ Waste Oil/Hazardous Waste – ***Waste oil will be backhauled to Iqaluit for proper disposal***.

    - ⦸ Empty Barrels/Fuel Drums –
    All drums will be removed from site and returned to Iqaluit or Igloolik for appropriate disposal.

    - ○ Other:

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

A burn barrel will be utilized to dispose of combustibles such as food, paper, and wood.

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

Non combustible materials will be backhauled to Iqaluit for disposal.

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

Sumps for drill cuttings will be located at least 50 metres from any high water mark.

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

No leachate is anticipated. Monitoring 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?

Water supply and waste disposal methods like these are commonplace in Nunavut.

ABANDONMENT AND RESTORATION

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

All drill sites will be restored to prior conditions, or as close as possible. All garbage will be incinerated or removed for disposal to Iqaluit. Absorbent pads/mats will be used during fuel transfer, and situated under the drill rig at strategic sites. Any on ice drill cuttings will be scraped clean and removed to an on-land location. All scrap material and equipment will be returned to Iqaluit. Fuel drums will be returned to a local agent for proper treatment.

For further information please see attached Abandonment and Restoration Plan

BASELINE DATA

38. Has or will any baseline information be collected as part of this project? Provide bibliography.

No baseline studies have been conducted as work has been of a very preliminary nature and limited in scope, photos of the drill sites will be taken prior to work, and again after reclamation to ensure a complete clean up and restoration.

- ○ 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:

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.