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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: **Stornoway Diamond Company** Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Land Manager: **Nicole Westcott** Tel : **604-983-7750** Fax: **604-987-7107**
Email: **nwestcott@stornowaydiamonds.com**
2. Project Manager: **Robin Hopkins** Tel: **604-983-7750** Fax: **604-987-7107** E-mail: **N/A**
3. Does the applicant hold the necessary property rights?

The camp will be established at some point along the 5.7 km stretch of shoreline as indicated on the attached figures. The only property rights established at the time of the application are those attached to mineral claim, F75555 which is held in the name of North Arrow Minerals Inc. and is a part of a land package which is a joint venture between Stornoway Diamond Corporation and North Arrow Minerals Inc.

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

Stornoway Diamond Corporation is the "operator" of the project and holds property rights to mineral claim F75555 through a joint venture agreement with North Arrow Minerals Inc.

5. Duration of the Project
☐ One year or less Start and completion dates: _____
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities
Start: **June 1, 2010** Completion: **September 30, 2012**

CAMP CLASSIFICATION

6. Type of Camp

- ☐ Mobile (self-propelled)
☒ Temporary
☒ Seasonally Occupied: Temporary Fly Camp
☐ Permanent
☐ Other: _____

7. What is the design, maximum and expected average population of the camp?

The proposed temporary fly camp will be equipped to accommodate two to four personnel for a maximum period of 14 days. Fixed wing support for the camp will be variable and temporary, utilizing a Twin Otter aircraft equipped with floats for the movement of personnel, supplies and equipment to the camp. The crew will utilize standard recreational camping equipment during their stay including small pup tents for accommodation.

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

Stornoway Diamond Corporation has not previously had a fly camp as described in this application within the proposed land use area however has conducted exploration activities in this region in the past operating out of established seasonal camp locations in the area.

CAMP LOCATION

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

Please see attached figures.

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.

This site has not been previously used by the applicant and since it is not on Inuit Owned Lands the assistance of the Regional Inuit Association Land Manager was not sought. A map of the area is attached.

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

- | | |
|--|---|
| <input type="checkbox"/> Crown Lands | Permit Number (s)/Expiry Date: <u>N/A</u> |
| <input type="checkbox"/> Commissioners Lands | Permit Number (s)/Expiry Date: <u>N/A</u> |
| <input type="checkbox"/> Inuit Owned Lands | Permit Number (s)/Expiry Date: <u>N/A</u> |

12. Closest Communities (direction and distance in km):

The proposed camp location is not located within close proximity to any communities.

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

As this project is not located within close proximity to any communities and is in the early grass roots stage there has not been any consultation conducted to date.

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 impact on traditional water use areas or local fish and wildlife habitats is anticipated.

PURPOSE OF THE CAMP

15. ☒ Mining (includes exploration drilling)
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
☐ Other _____

16. Activities (check all applicable)

- ☐ Preliminary site visit
☐ Prospecting
☐ Geological mapping
☒ Geophysical survey
☐ Diamond drilling
☐ Reverse circulation drilling
☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
☒ Other: **Till and Rock Sampling**

17. Type of deposit (exploration focus):

- ☐ 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?

No drilling activities will be conducted in association with this license

20. Describe what will be done with drill water?

N/A

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.

N/A

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

N/A

SPILL CONTINGENCY PLANNING

23. The proponent is required to have a site specific Spill Contingency Plan prepared and submitted with the application. This Plan should be prepared in accordance with the *NWT Environmental Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998* and *A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002*. Please include for review.

Please see the attached Spill Contingency Plan for this project.

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

As the fuel on site will be limited to enough gasoline to power the generator for the duration of the occupancy of the camp, a small supply of either propane or naphtha to fuel a cooking stove, and several liters of 4 cycle engine oil a full spill kit will not be kept on site. A supply of absorbent mats (which will be placed under and around the area where the generator will be refueled), a shovel, disposal bags and an extra container equal to or greater than the one used to store the gasoline will be kept at the camp site in case of a leakage in the primary storage container.

Please see the attached Spill Contingency Plan for full details of fuel storage and handling for this project.

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

Please see the attached Spill Contingency Plan for full details of the types, quantities, and method of storage for fuels and chemicals at both the camp facility.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Water for domestic use will be obtained from the unnamed lake on the shore of which the camp location will be established.

27. Estimated water use (in cubic metres/day):

☒ Domestic Use: Water Source: **Unnamed Lake Proximal to Camp Location**

☐ Drilling: _____ Water Source: _____

☐ Other: _____ Water Source: _____

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? (see *DFO 1995, Freshwater Intake End-of-Pipe Fish Screen Guideline*) Describe:

Water will be collected in plastic storage containers (most likely 5 gallons in size). Due to the small amount of water that will be collected at any one given time no mechanized pumps will be used.

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

Water will not be monitored.

30. Will drinking water be treated? How?

Water used for drinking and/or cooking purposes will be boiled and/or purified before use.

31. Will water be stored on site?

Yes, water will be stored at the camp location in small amounts, for domestic use.

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

☒ Camp Greywater –

☐ Solid Waste

☐ Bulky Items/Scrap Metal

☐ Waste Oil/Hazardous Waste –

☐ Empty Barrels/Fuel Drums

☐ Other:

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

No incinerator will be on site.

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

All domestic waste (both combustible and non-combustible) will be backhauled for disposal upon completion of the program.

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

The greywater and human waste created during the program will be buried in small pits that will be at least 31 meters above the highwater mark.

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

N/A

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?

The water supply and waste disposal methods described in this application are typical of small, temporary, remote fly camps in this climate and region.

ABANDONMENT AND RESTORATION

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

Please see the attached Abandonment and Restoration Plan for this project for more detailed information.

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: _____

REGULATORY INFORMATION

40. At a minimum, you should ensure you have a copy of and consult the documents below for compliance with existing regulatory requirements:

- ✓ ARTICLE 13 – *NCLA -Nunavut Land Claims Agreement*
- ✓ NWNSRTA – *The Nunavut Waters and Nunavut Surface Rights Tribunal Act, 2002*
- ✓ *Northwest Territories Waters Regulations, 1993*
- ✓ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ✓ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ✓ RWED – *Environmental Protection Act, R-068-93- Spill Contingency Planning and Reporting Regulations, 1993*
- ✓ RWED A Guide to the Spill Contingency Planning and Reporting Regulations, 2002
- ✓ NWTWB - Guidelines for Contingency Planning
- ✓ *Canadian Environmental Protection Act, 1999 (CEPA)*
- ✓ *Fisheries Act, RS 1985 - s.34, 35, 36 and 37*
- ✓ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ✓ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- ✓ Canadian Council for Ministers of the Environment (CCME); Canadian Drinking Water Quality Guidelines, 1987
- ✓ Public Health Act - Camp Sanitation Regulations
- ✓ Public Health Act - Water Supply Regulations
- ✓ *Territorial Lands Act and Territorial Land Use Regulations; Updated 2000*