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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

## EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

**Applicant:** Stornoway Diamond Corporation **Licence No:** \_\_\_\_\_  
(For NWB Use Only)

### ADMINISTRATIVE INFORMATION

1. Land Administrator: Nicole Westcott Tel: 604-331-2259 Fax: 604-689-5041  
E-mail: nwestcott@stornowaydiamonds.com

2. Project Manager: Robin Hopkins Tel: 604-331-2259 Fax: 604-689-5041

3. Does the applicant hold the necessary property rights?

*Stornoway Diamond Corporation (the proponent) has entered into an option agreement with the owner, BHP Billiton, to further explore the mineral claims comprising the Qilalugaq property. (See attached figure representing property outline).*

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)?

*No*

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: April 2007 Completion: Ongoing/2012

### CAMP CLASSIFICATION

6. Type of Camp

☐ Mobile (self-propelled)  
☐ Temporary  
☐ Seasonally Occupied: \_\_\_\_\_  
☐ Permanent  
☐ Other: \_\_\_\_\_

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

*Due to the proximity of the exploration area to Repulse Bay no camp facilities will be required at this time. Personnel will be housed in, and work out of Repulse Bay.*

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.

N/A

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.

N/A

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

<input checked="" type="checkbox"/>	Crown Lands	Permit Number (s)/Expiry Date: <u>Application Submitted</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):

*Repulse Bay is within the actual boundaries of the project area.*

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

*The hamlet of Repulse Bay is aware of this project through previous community consultation carried out by the property's owner, BHP Billiton.*

*Stornoway also had contact with various members of the community during the summer of 2006 while conducting a brief evaluation program on the property. During this time representatives of the proponent rented accommodations at the local Inn, spoke with the manager of the Co-Op and rented a home for 2006-2007, and consulted with the manager of the airport regarding potential aviation and fuel requirements for the proposed 2007 exploration program.*

*Three local residents were hired through the proponent's contractor for a 2 week period, and several resumes were collected from other community members.*

*Further formal community consultation will be undertaken by the proponent in the near future.*

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 (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: \_\_\_\_\_
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?

*Drill cuttings will be scraped from the ice and moved to suitable natural depressions on land.*

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. No water will be returned to the source.*

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, Calcium Chloride (MSDS Sheets attached.)*

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

*No core testing will be done on site.*

## **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?

*Please see the attached Spill Contingency Plan for this project.*

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		4	205 Litres (drum)	At drill site
Aviation fuel	Jet B	2	205 Litres (drum)	At drill site
Propane		1	45 Kg (100lb)	At drill site
Other	Oil	Several cases of 4 cycle engine oil	1 Liter each (24/case)	At drill site

*Please see the attached Spill Contingency Plan for this project. MSDS Sheets are attached*

## **WATER SUPPLY AND TREATMENT**

26. Describe the location of water sources.

*Water for drilling will be obtained from lakes proximal to drill targets.*

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

- ☐ Domestic Use: \_\_\_\_\_ Water Source: \_\_\_\_\_  
☒ Drilling: 15 to 20 cubic metres/day Water Source: Lakes proximal to drill sites  
☐ 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 pump for the drill will be equipped with a mesh screen to prevent the entrapment of fish.*

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

*N/A*

30. Will drinking water be treated? How?

*N/A*

31. Will water be stored on site?

*N/A*

## **WASTE TREATMENT AND DISPOSAL**

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

☐ Camp Sewage (blackwater)

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☐ Camp Greywater

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☐ Solid Waste

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☐ Bulky Items/Scrap Metal

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☐ Waste Oil/Hazardous Waste

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☒ Empty Barrels/Fuel Drums

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*All empty fuel drums will be backhauled to Repulse Bay and barged south for disposal*

☐ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?  
N/A
34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?  
N/A
35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).  
N/A
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?  
N/A

## **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 as closely as possible to prior condition. 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. Fuel drums will be returned to a local agent for proper treatment. There will be little to no evidence of the land use operation.*

*For further information please see attached Abandonment and Restoration Plan for this project.*

## **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