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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: _BHP Billiton Diamonds_Inc._____Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: _Martin Lenters__Tel:604 632-1454__ Fax: _604 683-4125 E-mail:_mlenters@bhpbilliton.com_

2. Project Manager: Gerald Olsen_ Tel: 604 632-1523__Fax: 604 683-4125_E-mail:_golsen@bhpbilliton.com__**Primary Contact : Jeremy Howe Tel: 604 632-1451 Fax: 604 683-4125 Email: jeremy.j.howe@bhpbilliton.com**

3. Does the applicant hold the necessary property rights?
The work involves the sampling of untenured federal lands and IOL. An application will be tendered to QIA for the appropriate land use license.

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
[X] Annual
[ ] Multi Year:
If Multi-Year indicate proposed schedule of on site activities
Start: _____ Completion:_____

CAMP CLASSIFICATION

6. Type of Camp
[ ] Mobile (self-propelled)
[ ] Temporary
[x] Seasonally Occupied: July - August
[ ] 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?

5 People total

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

Though a general area for the practical location of the camp has been chosen, no site within it has yet been identified. The site cannot be picked until the area is scouted by helicopter immediately prior to the start of the work. NWB will be advised as soon as a site is found.

CAMP LOCATION

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

See above.

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 general camp area is a function of practical helicopter range within the survey area. The exact site must have a Twin-landable area, access to water, competent soil (sand or gravel as opposed to clay) and be far enough inland to minimize the likelihood of polar bear encounters. The Polar Self project, Kenn Borek Air and Nunavut Geological Survey were consulted as they have previously worked in the area but no conclusively viable site has been identified.

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

[x] Crown Lands Permit Number (s)/Expiry Date: ___pending_____
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[x] Inuit Owned Lands Permit Number (s)/Expiry Date: __pending_____

12. Closest Communities (distance in km): Clyde River @ 240+ km

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

The proposal is sufficiently preliminary and low-impact that no communities have been consulted outside of the customary land license approval mechanisms of QIA.

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 impacts are foreseen from a project of this scale.

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
x 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: _general_____

DRILLING INFORMATION

18. Drilling Activities

19. Describe what will be done with drill cuttings?

20. Describe what will be done with drill water?

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

SPILL CONTINGENCY PLANNING

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


spill Conting.

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

Camp – one portable spill kit
Fuel Cache – one portable spilll kit
Helicopter – one portable spill kit

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

Jet B: ~110 drums
Diesel: 1 drum


I:\Admin\HSEC\MSDS Sheets\Aviation Fuel_


I:\Admin\HSEC\MSDS Sheets\Gasoline_Dies

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Lake or stream adjacent the camp.

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

- Domestic Use: _135 litres per day___ Water Source: _lake or stream
- Drilling Units_____ 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? Describe:

At most a Honda WB15 centrifugal pump used as needed to fill a small supply tank. The footvalve casting is wrapped in two layers of standard aluminum window screening.

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

No

30. Will drinking water be treated? How?

Sedimentary filter only

31. Will water be stored on site?

In a 150 gallon tank

WASTE TREATMENT AND DISPOSAL

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

- Camp Sewage (blackwater)

_latrine pit treated with chloride of lime and buried

- Camp Greywater

Deposited in a a simple excavated sump. Buried when site abandoned

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- Solid Waste

Burned in barrel

- Bulky Items/Scrap Metal

Flown out

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❹Waste Oil/Hazardous Waste

Flown out to Hall Beach or Iqaluit

- ❹ Empty Barrels/Fuel Drums

Flown out to Hall Beach or Iqaluit

- ○ Other:

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

Food, flammables and food tins are incinerated in a used fuel drum converted to the purpose. Diesel and Jet B dregs are used as a fuel.

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

See above

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

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

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?

These are standard practice

ABANDONMENT AND RESTORATION

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

No materials, fuel, or equipment will be left at the site. It will be entirely cleared as there is little likelihood of reoccupying the location.
Sumps and latrine pits will be buried.
Resupply flights will progressively remove incinerated garbage to Iqaluit but empty drums will be flown out to Hall Beach on Twin Otter flights chartered specifically for the purposes of cleanup.
The camp and any remaining material will be flown to Dewar Lakes by Twin Otter and thence to Iqaluit by chartered HS748

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.
.This area has only been subject to preliminary geological assessment.

- ○ 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

- ❹ Article 13 - Nunavut Land Claims Agreement
- ❹ 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
- ❹ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ○ Fisheries Act - s.35
- ❹ RWED - Environment Protection- Spill Contingency Regulations
- ❹ Canadian Drinking Water Quality Guidelines
- ❹ Public Health Act Camp Sanitation Regulations
- ○ Public Health Act Water Supply Regulations
- ❹ Territorial Land Use Act and Regulations

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