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Tel: (867) 360-6338 NUNAVUT WATER BOARD
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EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

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

ADMINISTRATIVE INFORMATION

1. Environment Manager: Bob Gill__Tel:604 632-1523__ Fax: _604 688-1498 E-mail:_bob.gill@bhpbilliton.com_

2. Project Manager: Bruce Kienlen_ Tel: 604 632-1461_Fax: 604 683-4125_E-mail:_bruce.g.kienlen@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?
Mineral claims in the name applicant have been staked and granted over the area.

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
[ ] Seasonally Occupied: _____
[ ] Permanent
[ ] Other:_No camp will be established. Crew would stay in the hamlet of Repulse Bay_____

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?

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

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CAMP LOCATION

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

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.

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

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

12. Closest Communities (distance in km):

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

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?

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

- x Land Based drilling
- x Drilling on ice

19. Describe what will be done with drill cuttings?

Land based: cuttings will be deposited in a depression adjacent the drill setup for passive settling.
Lake based: cuttings will be removed using the "Polydrill" cuttings removal system. These are collected in plastic bags and will be dumped (plastic removed) in an upland depression.

20. Describe what will be done with drill water?

Land based: passively clarified water will be allowed to return to source.
Lake based: Polydrill clarified water returned to 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.

See attachments

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

All drilling will be core testing. The object of any first phase drilling is to intercept the desired lithologies and to extract a small sample. Collection of a larger sample would the object of second phase drilling – assuming success from the first phase.

SPILL CONTINGENCY PLANNING

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

See attachment

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

Any drill will be equipped with a comprehensive 45gal spill kit

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

All fuel (205 litre drums) to be mustered and monitored at the Repulse Bay airstrip by Bill Crawford who runs the local transfer operation. Storage protocols are outlined in the Spill Plan.
One or two drums (diesel and/or Jet fuel) and any required drill additives would be flown to each drill site during drill moves. The latter are supplied in55-80 lb waterproof bags. All fuel and drums would be removed from site with the drill. MSDS attached to main application.

WATER SUPPLY AND TREATMENT

26. **Describe the location of water sources.**

Lakes and occasionally streams proximal to drill sites. No drilling will be done within, nor water sourced from, the hamlet watershed.

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

- Domestic Use: _____ Water Source: _____
- Drilling Units: _700 – 10,000 litres___ Water Source: _lakes & streams_____
- 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:** NA

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

30. **Will drinking water be treated? How?** NA

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)

- ○ Camp Greywater

- ○ Solid Waste

- ○ Bulky Items/Scrap Metal

Flown out to Repulse Bay and barged south for disposal/recycling or removed south with the drill demob.

- ● Waste Oil/Hazardous Waste

Flown out to Repulse Bay and barged south for disposal/recycling

- ● Empty Barrels/Fuel Drums

Flown out to Repulse Bay and barged south to Churchill for recycling

- ○ Other:

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

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). Sumps preferably in outcrop cistern. Volume to be capable of retaining all turbid drill fluids not recycled.

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency? No. This has not proved to be a problem at this scale of drilling.

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 methods proposed have been extensively and successfully used over a number of years in NWT and Nunavut. They are standard to diamond drill exploration around the Ekati Diamond Mine.

ABANDONMENT AND RESTORATION

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

All drill sites will be left as close to their original condition as possible at the completion of each hole. Fuel spills represent the greatest hazard and these would be addressed according to the Spill Plan protocols.
Consultants employed at Ekati and experienced in environmental mitigation in the arctic are immediately available for detailed crisis management should this be necessary.

BASELINE DATA

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

The only non geological information collected has been solicited from the Repulse Bay HTO on those topics flagged below. Their recommendations are pending.

- ○ 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.