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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Tahera Diamond Corporation **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Land Administrator: **Ferg McDonnell** Tel: **(604) 519-1977** Fax: **(604) 519-1978**
   E-mail: **fmcdonnell@tahera.com**

2. Project Manager: **Des Olsen** Tel: **(604) 519-1977** Fax: **(604) 519-1978**
   E-mail: **dolsen@tahera.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
   [**x**] Multi Year:
   If Multi-Year indicate proposed schedule of on site activities
   Start: **2007** Completion: **2009 (potentially ongoing)**

CAMP CLASSIFICATION

6.

   [ ] Mobile (self-propelled)
   [ ] Temporary
   [**x**] Seasonally Occupied: **Jan – March, June -Aug**
   [ ] Permanent
   [ ] Other: _____

7. What is the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?

The Camp has been used by Tahera Diamond Corp since 2005. The camp is a mixture of prosector tents and weatherhavens. The capacity is about 18 people although usually there will be 6-12 people in camp

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

The camp was built by Kennecott in the late 1990s and was occupied by Kennecott seasonally until 2003. Tahera purchased the camp from Kennecott and has used it seasonally since 2005.

CAMP LOCATION

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

Tak camp is located on well drained esker and moraine material proximal to a water body. See attached map.

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.

Although Tahera did not select the camp location, it is inferred that the site was selected due to its proximity to the Anuri Kimberlite, proximity to a suitable lake capable of accommodating float equipped aircraft and suitable geomorphological features. It is unknown if Kennecott consulted the Regional Inuit Association Land Manager is their site selection process. Tahera has consulted with KIA extensively on their nearby Jericho project. A map is attached.

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

[x] Crown Lands Permit Number (s)/Expiry Date: _N2002J0022 (expired)_
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[ ] Inuit Owned Lands Permit Number (s)/Expiry Date: __

12. Closest Communities (distance in km):

Kugluktuk is located 160 km to the NW

Yellowknife is located 470 km to SSW

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

It is our policy to hire workers from Inuit communities. In the past few years we have hired people from Gjoa Haven, Kugluktuk, Kugaaruk, Yellowknife and Taloyoak. Generally camp hands and managers are from Inuit communities, and local community workers are also represented on geophysics and soil sampling crews. Geotechnical training and work has also been offered.

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 on traditional water use are anticipated. No impacts on local fish and wildlife habitats are anticipated.

PURPOSE OF THE CAMP

15. ○ Mining
○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
◉ Other **Diamond Exploration** (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 from the diamond drill will be pumped to suitable sump location near the drill sites. The sump locations will be located a distance of at least 100 m from the high water mark of all water bodies.

20. Describe what will be done with drill water?

For diamond drilling, the drill water will be pumped to a suitable sump location located at least 100 m from the high water mark of any lakes.

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.

Diamond Drilling: Quik-Gel, Quik-Trol, Poly Drill OBX and 133, Linseed Soap, Special "E" Thread Dope, Big Bear Diamond Drill Rod Grease and 550 X polymer.

Please see attached Spill Contingency Plan for MSDS and information.

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. It is attached for review.

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

There will be spill kits located at all fuel storage sites, at all drill sites and in camp. Portable spill kits will also be available for transport anywhere on site. Please see attached Spill Contingency Plan for details and maps.

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

Please refer to attached Spill Contingency Plan for details.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

The water source to Tak camp is the lake immediately adjacent to the camp. The water sources for drilling will be suitable lakes proximal to the drill sites.

27. Estimated demand (in cubic metres):

- ◉ Domestic Use: **10** Water Source: **Lake adjacent to camp**
- ◉ Drilling Units: **40** 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? Describe:

The water intake for camp operations is a submerged 3 inch pipe located 15 metres from shore attached to a small pump. The water intake is equipped with a mesh screen with a screen size less than 2.54 mm to prevent the entrapment of fish as per DFO guidelines.

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

No

30. Will drinking water be treated? How?

Yes. All water is filtered with a particulate filtration system and then treated with an ultraviolet (UV) filter system.

31. Will water be stored on site?

A small water storage tank attached to the pump may be used for temporary potable water storage, but most potable water will be pumped directly into the on-demand water delivery system from the lake.

WASTE TREATMENT AND DISPOSAL

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

- Camp Sewage (blackwater) - **40 L/day**

Sewage will be disposed of daily by incineration. "Pacto" style latrines are the current set up in camp for toilets.

- Camp Greywater - **10,000 L/day**

Greywater is all liquid waste water originating in the kitchen and dry. It will be disposed of in an existing sump located in camp.

- Solid Waste - **100 lbs/day**

Solid wastes will be incinerated in camp and any unburnable material will be removed from camp and shipped to Jericho mine-site or to Yellowknife for proper disposal.

- Bulky Items/Scrap Metal - **minimal**

Bulky items and scrap metal will be removed from site and shipped to Jericho mine-site or Yellowknife for proper disposal.

- Waste Oil/Hazardous Waste - **minimal**

Waste oil will be removed from site and shipped to Yellowknife for proper disposal. No hazardous wastes are anticipated, but if produced, will be shipped with a waste manifest as per EPS procedures.

- Empty Barrels/Fuel Drums – **4 drums/day**

Empty barrels and fuel drums will be re-used (refilled) and at the end of the program will be re-bunged on site to prevent leakage and shipped to Yellowknife for proper disposal. They may also be used for storage of other waste material.

- Other:

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

At this stage burn barrels will be used as incinerators. If the program size deemed it necessary a diesel incinerator will be installed.

All non-hazardous, combustible waste (food waste and garbage, wood products and potentially human wastes) will be incinerated on site. Any remaining non-combustible waste remaining after incineration will be shipped to Jericho mine-site or Yellowknife for proper disposal.

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

Non-combustible waste will be shipped to Yellowknife for proper disposal.

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

The camp sump is located adjacent to the kitchen and dry and is located in the best location possible to prevent flooding of the sump area. The sump measures 1.2 m by 2.4 m with a depth of 1.8 m. The freeboard measures greater than 0.6 m.

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

The sump will be inspected daily.

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?

Yes, the water supply and waste treatment and disposal methods have been proven in cold climate. These methods are in practice in exploration camps across the north and follow the regulated guidelines and accepted methods.

The freezing of water pipes is the only problem foreseen for the water supply system and is easily fixed by thawing the pipes. Secondary water pipes can be used during the thawing process.

ABANDONMENT AND RESTORATION

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

Please see attached Abandonment and Restoration Plan.

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:

Water samples were collected in Spring 2007 on the property. A sample location map and the results will be forwarded to the NWB in the immediate future.

Further ongoing environmental testing may be conducted on the property, but the details are not yet available as the program is still in the planning phase.

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.