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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Joyia Chakungal **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: _____ Tel: _____ Fax: _____ E-mail: _____
2. Project Manager: Joyia Chakungal Tel: 867 979 3539 x28 Fax: 867 979 0708 E-mail: jchakung@nrcan.gc.ca
3. Does the applicant hold the necessary property rights?
4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.
5. Duration of the Project
☐ One year or less Start and completion dates: June 25th - August 25th, 2007
☐ 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: _____
7. What is the design, maximum and expected average population of the camp?
Stationed out of the base camp, there will be: 17 geologists and assistants, 2 helicopter pilots, 1 engineer, 1 cook and 1 cook's assistant for a total of 22 people at one time.
8. Provide history of the site if it has been used in the past.
There is no known use history of the sites.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
The camp site for which co-ordinates have been provided would be situated on a alluvial fan or delta. The final site may likely be different to the location proposed pending on the suitability of the site for a Twin Otter landing strip. In the event that a different location is chosen, it will be further in land and at higher elevation, proximal to a lake.
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 proposed location was selected for its potential to have a Twin Otter landing strip and was based on LandSat images that were accessed on Google Earth. Final selection will, however, be based on the advice of officials and the Hunters and Trappers Organization in the Hamlet of Coral Harbour, the KIA Land Manager, and air photos.
11. Is the camp or any aspect of the project located on:
- | | | |
|--------------------------|---------------------|---|
| <input type="checkbox"/> | Crown Lands | Permit Number (s)/Expiry Date: <u>application pending</u> |
| <input type="checkbox"/> | Commissioners Lands | Permit Number (s)/Expiry Date: _____ |
| <input type="checkbox"/> | Inuit Owned Lands | Permit Number (s)/Expiry Date: <u>application pending</u> |
12. Closest Communities (direction and distance in km):
The Hamlet of Coral Harbour. Approximately 75 km south - southwest of the proposed camp location.
13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
Yes.
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, the project will not impact traditional water use in the area nor will it have an impact on the local wildlife populations and habitats.

PURPOSE OF THE CAMP

15. ☐ Mining (includes exploration drilling)
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
☐ Other Geological (scientific) mapping and sampling
16. Activities (check all applicable)
- | | |
|--------------------------|------------------------|
| <input type="checkbox"/> | Preliminary site visit |
| <input type="checkbox"/> | Prospecting |
| <input type="checkbox"/> | Geological mapping |
| <input type="checkbox"/> | Geophysical survey |
| <input type="checkbox"/> | 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: The purpose of our work is to determine whether the area hosts any deposits with economic potential that, to date, been unidentified.

DRILLING INFORMATION

18. Drilling Activities

- ☐ Land Based drilling
- ☐ Drilling on ice

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. 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.

The Permittee shall report all spills immediately with instructions contained in "Spill Report" form NWT 1752 (05/93), the NWT Water Board's "Guidelines for Contingency Planning" (1987) and contact the Twenty-four (24) hour spill report line (867) 920-8130. The project's spill contingency plan is attached.

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

Three spill kits will be in camp: Kitchen, Generator station and Helicopter refueling area.

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

Jet B will be stored in standard 205L sealed fuel drums.

Gasoline will be stored in CSA approved 19L jerry cans

White gas will be stored in original containers

Propane will be stored in CSA approved 100 lb pressurized cylinders and stored according to MSDS requirements.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Water will be obtained from the river or lake adjacent to the campsite.

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

- ☐ Domestic Use: 25 L/day per person Water Source: River or Lake
☐ 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 intake will be accomplished with the use of a water pump. A mesh screened hose will be placed into the water source.

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

No.

30. Will drinking water be treated? How?

No.

31. Will water be stored on site? Yes.

WASTE TREATMENT AND DISPOSAL

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

☐ Camp Sewage (blackwater)

Buried.

☐ Camp Greywater

Buried.

☐ Solid Waste

If flammable (organic) it will be burned. If not, it will be back hauled to the municipal landfill.

☐ Bulky Items/Scrap Metal

Will be back hauled to the municipal landfill.

☐ Waste Oil/Hazardous Waste

N/A

☐ Empty Barrels/Fuel Drums

Will be back hauled to the municipality for reuse.

☐ Other:

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

Combustible waste, such as organics (ie. food scraps) will be incinerated in a used fuel drum.

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 back hauled to municipal landfill (either Coral Harbour or Iqaluit).

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?

This method has been used by many government researchers, and has worked quite well. As a contingency, water could be manually hauled (using containers) to the campsite.

ABANDONMENT AND RESTORATION

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

The camp will be returned to its original condition. All garbage will be picked up and grey water/sewage pits will be adequately buried.

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