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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYINGI

## EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: DIAND Licence No: \_\_\_\_\_  
(For NWB Use Only)

### ADMINISTRATIVE INFORMATION

- Environment Manager: DIAND Tel: 867-975-4556 Fax: 867-975-4585 E-mail: platon@pinac-a-inc.gc.ca
- Project Manager: Qikiqtaaluk Corporation Tel: 867-979-8406 Fax: 867-979-8433 E-mail: HFQC@nunanet.com
- Does the applicant hold the necessary property rights?
- Is the applicant an 'operator' for another company (i.e., the holder of the property rights)?  
If so, please provide letter of authorization.
- Duration of the Project  
☐ Annual  
☒ Multi Year:  
 If Multi-Year indicate proposed schedule of on site activities  
 Start: summer 2003 Completion: summer 2006

### CAMP CLASSIFICATION

- Type of Camp  
☐ Mobile (self-propelled)  
☐ Temporary  
☒ Seasonally Occupied: \_\_\_\_\_  
☐ Permanent  
☐ Other: \_\_\_\_\_

- 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?

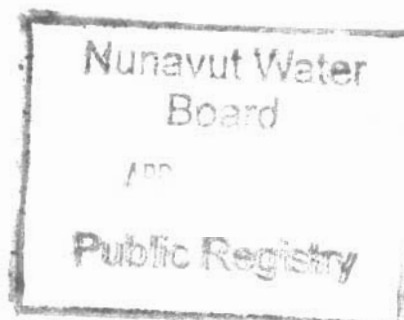
50 person  $\pm$  10

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

Clean up project initiated in 1997. Camp left after the construction of the North Warning System (NWS) in 1990

### CAMP LOCATION

October 1998



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INTERNAL	
PC	JP
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CEO	
BRD	
EXT.	

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

Camp located at the top of a 375 meter high rock formation on the north-east side of the Resolution Island

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 camp was set up by the former contractor during the NWS construction. Site selection was done in 1988.

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

[ X ] 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):

Iqaluit and Kimmirut – approximately 310 km from the Resolution Island camp

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

#### PURPOSE OF THE CAMP

15. ☐ Mining  
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)  
 (Omit questions # 16 to 21)  
☐ Other Environmental clean up (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?

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. Yes, already provided with the application.

24. How many spill kits will be on site and where will they be located? Details are included in the spill contingency plan.

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

Refer to the spill contingency plan for all details

## WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

A freshwater supply lake located at the beach level, showed on drawings provided with the application. This lake does not support any fish habitat.

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

- ☐ Domestic Use: 350 Water Source: supply lake  
☐ 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:

Drinking water pumped into a water truck. The intake is equipped with a mesh.

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

Yes, pH, Total Suspended Solids, Total Mercury, Total Chromium, Total Cadmium, Total Cobalt, Total Copper, Total Manganese, Total Nickel, Total Lead, Total Iron, Total Zinc, Phenol, Oil and Grease, Nitrate/Nitrite

30. Will drinking water be treated? How?

Yes, the actual pH of the lake is below the Canadian Drinking Water Quality Guidelines. Therefore, calcium carbonate is added to the camp tanks in the appropriate amount to bring the pH value within the proposed range.

31. Will water be stored on site?

Camp water tanks are supplied daily with the water truck. Water is stored in one tank (5000 liter) for fire fighting requirement in case of emergency.

## WASTE TREATMENT AND DISPOSAL

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

☐ Camp Sewage (blackwater)

*Composition:* waste water from camp sanitary facilities and kitchen. *Quantity:* 100 m<sup>3</sup>/month. *Treatment:* discharged to non-aerated lagoon.

☐ Camp Greywater

*Composition:* waste water from camp sanitary facilities and kitchen. *Quantity:* 300 m<sup>3</sup>/month. *Treatment:* discharged to non-aerated lagoon.

☐ Solid Waste

*Composition:* waste from camp operations and maintenance, discarded packaging, *Quantity:* 3 metric tonnes/month. *Treatment:* combustible material incinerated, ashes and non-combustible material disposed in engineered landfill.

☐ Bulky Items/Scrap Metal

*Quantity:* none generated

*Treatment:* if generated, disposed in engineered landfill.

☐ Waste Oil/Hazardous Waste

*Composition:* batteries, antifreeze, oil and gas filters, from vehicle and heavy equipment maintenance. *Quantity:* 400 kg/year. *Treatment:* off-site shipment and disposal in authorized facility in Southern Canada.

☐ Empty Barrels/Fuel Drums

*Quantity:* about 40 per season (i.e. 3 months)

*Treatment:* good conditions: strapped on pallets to be sent south for reuse; bad conditions: shredded on site, disposed in engineered landfill.

☐ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated? Two-stage forced air incinerator use to dispose of combustible and non-hazardous camp waste.

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

Non-combustible waste disposed on site within a non-hazardous waste engineered landfill.

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

Not applicable

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

Leachate monitoring is to be conducted for similar parameters measured to characterize drinking water. In the past, no leachate was present, therefore no samples were taken.

## 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 existing methods have been used since 1997 at this camp through the existing license of the project (i.e.NWB5RES9803).

## ABANDONMENT AND RESTORATION

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

Abandonment and restoration plans have been submitted with the application documents.

## 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: Environnement – bibliography provided with the application

## 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.