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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Wolfden Resources **Licence No:** NWB2HIG0103
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Ewan S. Downie Tel: 807-346-1668
   Fax: 807-345-0284 E-mail: wolfden@baynet.net

2. Project Manager: Ian Neill Tel: 778-772-5631
   Fax: _____ E-mail: swell@island.net

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.
   N/A

5. Duration of the Project
   [ ]☐ Annual
   [X] Multi Year:
   If Multi-Year indicate proposed schedule of on site activities
   Start: April 2003 Completion: Results Dependant

CAMP CLASSIFICATION

6. Type of Camp
   [ ] Mobile (self-propelled)
   [ ] Temporary
   [X] Seasonally Occupied: April - September
   [ ] 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?
   Standard operating size of 12 people with maximum population of 18 people

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

The site has been used periodically since 1954, the first discovery of the High Lake deposit. Two “permanent” buildings at the camp site date from this work. The camp was used from 1954 to 1957, again from 1974 to 1975, and 1991 through 1993. Wolfden Resources began operating the camp under this water license in May of 2001.

CAMP LOCATION

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

The High Lake camp is located approximately 190km east of Kugluktuk on the north west side of Bathurst Inlet, approximately 90km northwest of the hamlet of Bathurst Inlet. The camp is 2km west of the Kennarctic river on the west shore of High Lake (NTS 76/M7).

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.

Camp location was selected at pre-existing camp location dating from original exploration work in the mid 1950’s.

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

[X] Crown Lands Permit Number (s)/Expiry Date: __N2001C0017___
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[X] Inuit Owned Lands Permit Number (s)/Expiry Date: __KTL 301C009___

12. Closest Communities (distance in km):

Kugluktuk: 190km west
Bathurst Inlet: 90km southeast

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

Yes, during initial permitting, have employed local labour from Cambridge Bay and Kugluktuk and intend to continue this.

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 impact on traditional water use of local communities, no impact on local fish, limited noise in local wildlife habitat. Caribou are scarce in the High Lake area, Muskoxen have been sighted locally.

PURPOSE OF THE CAMP

15. X 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
X Geophysical survey
X Diamond drilling
○ Reverse circulation drilling
○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
○ Other: _____

17. Type of deposit:
○ Lead Zinc
○ Diamond
○ Gold
○ Uranium
X Other: __Copper / Zinc / Gold_____

DRILLING INFORMATION

18. Drilling Activities
X Land Based drilling
(X) Drilling on ice **Possible – results dependant

19. Describe what will be done with drill cuttings?
Drill cuttings will be collected at the drill site and pumped or carted where necessary to a sump with no access to any drainage or groundwater flow.

20. Describe what will be done with drill water?
Drilling water will be recirculated when possible, where this is not possible drill water will be pumped to a sump with no access to any drainage or groundwater flow. If drilling on ice is warranted, drill water will be passed through the Major Drilling filtration system to remove any suspended solids.

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.
To be forwarded from Major Drilling, Yellowknife.

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

Core will be visually logged on site, when determined necessary, core will be split and sent out for assay.

SPILL CONTINGENCY PLANNING

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

To be forwarded

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

Spill kits will be placed at each of the Diesel and Jet-B fuel caches, and each drill will have its own spill kit. 3 to 4 spill kits will be on site depending on active drills.

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

Stored in camp will be (maximum):
Diesel Fuel – 200 45 gallon drums, stored in separate fuel cache.
Jet-B Fuel – 50 45 gallon drums, stored in separate fuel cache.
Propane – 20 100lb propane canisters, stored in laydown area.
Gasoline – 3 45 gallon drums, stored with Diesel fuel.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

High Lake (NTS 76/M7) is the water source for camp activities. Drill water is pumped from numerous small lakes surrounding the project area.

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

X Domestic Use: 20L Water Source: High Lake
X Drilling Units: 500L/drill Water Source: Various
○ 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:

Water is pumped daily or as necessary from High Lake to two 200 gallon plastic storage tanks using a small water pump. The intake nozzle is approximately 2 inches in diameter and is covered with a wire mesh that is wired in place. High Lake is a naturally acidic lake due to the proximity of the acid generating gossans of the High Lake deposit. No fish inhabit High Lake.

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

Due to the acidic nature of High Lake, bottled drinking water is supplied from Yellowknife. To save on transport costs, the small lakes surrounding High Lake will be sampled and analyzed for potential use as a drinking water (only) source.

30. Will drinking water be treated? How?

No treatment of drinking water, currently supplied from Yellowknife.

31. Will water be stored on site?

Camp water is stored in two 200 gallon plastic supply containers, to be re-filled as necessary.

WASTE TREATMENT AND DISPOSAL

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

- Camp Sewage (blackwater)

Incinerated.

- Camp Greywater

Pumped to a depression approximately 200m south of camp. No access to any watercourse.

- Solid Waste

Incinerated.

- Bulky Items/Scrap Metal

Flown to Yellowknife on supply backhauls for appropriate disposal.

- Waste Oil/Hazardous Waste

Flown to Yellowknife on supply backhauls for appropriate disposal.

- Empty Barrels/Fuel Drums

Flown to Yellowknife on supply backhauls for appropriate disposal.

- Other:

Flown to Yellowknife on supply backhauls for appropriate disposal.

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

Previous years programs have utilized a propane powered "burn-barrel". At the request of Jack Kaniak of the K.I.A. a stand alone incinerator will be used for all successive programs. The incinerator will be used for all combustible camp garbage.

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

Non combustible will be flown to Yellowknife for appropriate disposal.

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

Greywater generation in camp is minimal, and the existing sumps have proven adequate in wastewater disposal.

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?

Existing methods have proven successful over the past two field seasons.

ABANDONMENT AND RESTORATION

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

Drilling sites are remediated on an ongoing basis as the program progresses. At the completion of the program, if results warrant no further work, the campsite will be removed and restored to it's natural condition.

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. 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.