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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: NAVIGATOR EXPLORATION CORP. **Licence No:** NWB2NOW (For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: _____ Tel: _____ Fax: _____
2. Project Manager: MARK CANNUKI Tel: (604) 688-8355 Fax: (604) 668-8366
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
   - ○ 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 population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel? 12 people maximum (April) 1-15, 1999). 6 people minimum (July, August 1999)
8. Provide history of the site if it has been used in the past. Dr. Allan Miller visited the site for a short period in July, 1999.

CAMP LOCATION

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

The camp is located on the north shore of Nowyak Lake, in an area of sandy, glacial till (see 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.

The site was recommended by a consultant, Dr. Allan Miller.

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

- ✓ Crown Lands — Permit Number (s)/Expiry Date: Pending (see attached)
- ○ Commissioners Lands — Permit Number (s)/Expiry Date: _____
- ○ Inuit Owned Lands — Permit Number (s)/Expiry Date: _____

12. Closest Communities (distance in km):

Rankin Inlet is 300km northeast of the camp

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

People in Rankin Inlet will be contacted. One or two could be hired for the summer prospecting program.

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?

The project will have no impact on traditional water use areas for Rankin Inlet. There will be no impact on local fish and wildlife

PURPOSE OF THE CAMP

15.
- ✓ Mining (EXPLORATION)
- ○ 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
    - ☑ Land Based drilling
    - ○ Drilling on ice

19. Describe what will be done with drill cuttings?
Drill cuttings and sludges will be stored in two sumps close to the drill (see map). At the end of the drilling program these will be backfilled

20. Describe what will be done with drill water?
The majority of the drill water will be either re-cycled or lost through the drilling fluid (rock). Cuttings and sludges will be stored in one of two sumps.

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 attached list)

22. Will any core testing be done on site? Describe.
No. The core will be split and shipped out for analysis.

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.
Spills will be cleaned up using spill kits and oil sorbent mats (see attached list). This should be more than adequate to handle the small spills which may occur with this type of program.

24. How many spill kits will be on site and where will they be located?
One spill kit will be stored on the drill rig; a second spill kit will be stored at camp.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.
(See attached sheets) Fuel drums will be stored near camp, approximately 100 meters from the shore. Drill additives will be stored at the same site

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Nowyak Lake is the water source for the camp (see map)
Komatic Lake is the water source for the drill (see map)

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

- ○ Domestic Use: 50 L/day x person Water Source: Nowyak Lake
- ○ Drilling Units: 29000 L/day Water Source: Komatic Lake
- ○ 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:
A small gasoline-powered pump will draw water from Nowyak Lake using a rubber hose with a screen attachment

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?
Yes. One sample will be analysed per month for bacterial contamination.

30. Will drinking water be treated? How?
No.

31. Will water be stored on site?
A small amount of water will be stored for washing at the camp site.

WASTE TREATMENT AND DISPOSAL

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

✓ Camp Sewage (blackwater)

Will be disposed of in a pit. 20 liters per day

✓ Camp Greywater

Will be stored in a sump and buried at the completion of the program. 100 liters per day

✓ Solid Waste

Will be burned in a barrel and buried in a pit. 200 liters per day

✓ Bulky Items/Scrap Metal

Will be stored in an empty drum and taken back to Yellowknife at the completion of the program. 100 litres total for program.

✓ Waste Oil/Hazardous Waste

Waste oil will be burned with garbage. 2-3 litres per day
No hazardous waste will be encountered

✓ Empty Barrels/Fuel Drums

Will be returned to Yellowknife

○ Other: _____

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

A burning barrel will be used. Food waste, paper, wood, a bit of waste oil

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 buried in a garbage pit

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

Camp: Sumps will be located at least 50 metres from ~~water~~ shore line (see map)
Drill: sumps will be located at least 100 metres from shore line (see map)

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

No leachate monitoring will be done.

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 water supply and waste treatment and disposal methods have been used on numerous times in the past. Spare pump will be available.

ABANDONMENT AND RESTORATION

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

(see attached sheet)

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:

No baseline information has been collected

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.