



P.O. Box 119
GJOA HAVEN, NT X0E 1J0 kNK5 wmoEp5 vtmpq
TEL: (867) 360-6338 NUNAVUT WATER BOARD
FAX: (867) 360-6369 NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Indian and Northern Affairs Canada Licence No: _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Jared Buchko (Public Works and Gov't Svcs. Canada)
Tel: (780) 497-3868 Fax: (780) 497-3842 E-mail: jared.buchko@pwgsc.gc.ca
2. Project Manager: Robert Martin (Indian and Northern Affairs Canada)
Tel: (867) 975-4583 Fax: (867) 975-4560 E-mail: martinro@inac-ainc.gc.ca
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)? No
If so, please provide letter of authorization.
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 are the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?

Camp will be occupied for approximately 14 days (with a maximum of 21 days).

Camp will be occupied by an average of 15 people (with a maximum of 20 people).

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

The former DEW Line site was constructed in 1957 and subsequently closed and abandoned in 1963. The site was converted to a scientific research station in 1977 under the auspices of the Science Institute of the Northwest Territories and Indian and Northern Affairs (DIAND). In 1985, a hazardous materials removal program was implemented with the removal of hazmat found in equipment and surface contaminants. Assessments completed in 1987/88 and 1994 have confirmed the presence of various hazardous materials and contaminated soil. In 1989, a partial clean up of PCB contaminated walls and floors at the station was carried out to limit the exposure of workers to PCBs. An asbestos abatement program and clean up of Dump A was carried out in 1997.

CAMP LOCATION

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

Please see Section 6 of the attached CEAA assessment for a description of the biogeographical and geomorphological features and water bodies.

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 will be sited directly adjacent to the site buildings in areas that have been previously disturbed. Buildings contain contaminants and are not suitable for occupation during the project. Exact location of the camp will be determined upon awarding of project contract.

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

<input checked="" type="checkbox"/> Crown Lands	Permit Number (s)/Expiry Date: _____
<input type="checkbox"/> Commissioners Lands	Permit Number (s)/Expiry Date: _____
<input type="checkbox"/> Inuit Owned Lands	Permit Number (s)/Expiry Date: _____

12. Closest Communities (distance in km):

Site is approximately 85 km west of Hall Beach and 100 km southwest of Igloolik.

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

Community presentations were done in Hall Beach and Igloolik in January 2004 to Hamlet Councils, Hunters & Trapper Organizations and Qikiqtani Inuit Association. Presentations were generic in scope and focused on the fact that CAM-F at Sarcpa Lake is to be cleaned up.

A second meeting was carried out in Hall Beach on March 17, 2004 to the same groups, however, many of those present were only at this meeting. Again, the presentation was generic in scope, although a few more details were presented including the fact that the Site Investigation was to be carried out this summer. Community ideas were sought and received on the overall site remediation plan. Few comments were made regarding the Site Investigation work.

A third meeting with both communities is planned for late April (time dependent upon community availability) to present the Site Investigation plan.

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?

See Section 6.4 of attached CEAA assessment. The project will have no negative impacts on traditional water use areas or local fish and wildlife habitats.

PURPOSE OF THE CAMP

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

See attached 'Fuel Containment and Spill Contingency Plan'.

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

There will be two drum spill kits present at the site each capable of absorbing 174 L of liquid hydrocarbons. Both kits will be located near the containment area that will house all of the drummed fuel. One standard spill pack capable of absorbing 40 L of liquid hydrocarbons will accompany the excavator on-site.

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

All liquid fuel will be stored in barrels together on pallets within a containment area with 0.5 m berms and a hydrocarbon resistant liner. The containment area will be located on flat, even ground at a distance of no less than 30 m away from the camp and any natural drainage area or water body.

Propane will be stored in 45 kg (100 lb) certified tanks near the kitchen tent.

Gasoline: Approximately 1025 L stored in five 205 L barrels.

Diesel: Approximately 3075 L stored in fifteen 205 L barrels.

Propane: Three 45 kg tanks.

Oil: Approximately 40 L of hydraulic oil and 40 L of motor oil stored in 20 L pails

Grease: Approximately 20 tubes in two 4 kg cases

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Potential water sources are Sarcpa Lake approximately 2 km from the main site and a small unnamed seasonal lake approximately 300 m from the site.

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

[x] Domestic Use: 300 Water Source: Sarcpa Lake or unnamed seasonal 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:

Water will be pumped to site via a small horsepower pump and water intake pipe laid overland and equipped with a small mesh screen. Pump will be placed at least 30 m from either water body and a spill kit will be sited near the pump.

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

Drinking water will be transported to site. Commercially bottled water will be used as drinking water at the site. This water will be in sealed containers and will not require testing.

30. Will drinking water be treated? How?

Drinking water will be provided by a licensed facility and will be suitably treated prior to transportation to site. The commercially supplied water will have already received treatment prior to bottling, no further on-site treatment will be required.

31. Will water be stored on site?

Water may be temporarily stored in barrels or similar structures on-site, however, no reservoirs or other more permanent structures will be constructed.

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

The camp sewage will consist primarily of human waste from toilet use with an estimated flow of 40 L/day•person. This waste will be directed to a discharge pit excavated a minimum 100 m from the camp, any natural drainage course, or water body. Upon completion of site activities the pit will be filled in.

☒ Camp Greywater

The camp greywater will consist primarily of wastewater generated from the kitchen and bathroom sinks and showers. The estimated flow from this wastewater stream is 75 L/day•person. This waste will be directed to a discharge pit excavated a minimum 30 m from the camp, any natural drainage course, or water body. Upon completion of site activities the pit will be filled in.

☒ Solid Waste

Non-hazardous, combustible solid waste will be incinerated on-site in an enclosed container. Noncombustible solid waste will be containerized and stored at the site. This material will be included in the comprehensive remediation program scheduled to begin at the site in 2005.

☒ Bulky Items/Scrap Metal

Any bulky items or scrap metal waste generated at the site will be temporarily placed in one of the existing landfills at the site (Dump A). Final disposal of this material will be included in the comprehensive remediation program scheduled to begin at the site in 2005.

☒ Waste Oil/Hazardous Waste

Waste oil and/or hazardous waste generated at the site will be containerized and stored at the site. This material will be removed from the site as part of the comprehensive remediation program scheduled to begin at the site in 2005.

☒ Empty Barrels/Fuel Drums

Empty barrels will be cleaned and crushed in accordance with the *DEW Line Cleanup Criteria for Barrels*. The crushed drums will be stockpiled at the existing drum cache area at the site. Final disposal of the drums will be included in the comprehensive remediation program scheduled to begin at the site in 2005.

☐ Other:

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

The types of waste that will be incinerated at the site consist primarily of domestic solid waste including food, paper and wood waste. These materials will be incinerated in a 205 L metal drum on a daily basis.

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

Non-combustible solid waste (glass and metal) will be containerized and stored at the site. This material will be included in the comprehensive remediation program scheduled to begin at the site in 2005.

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?

Not applicable.

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?

All on-site activities are scheduled for the summer months (July and August) when the average daily temperature is above freezing. The water and wastewater systems are very basic so it is unlikely that any O&M problems will occur as a result of the climate. Backup pumps will be available at site, if required.

ABANDONMENT AND RESTORATION

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

A summary of the complete remediation project (not part of this regulatory submission) as well as the clean up schedule is attached. This work is to be carried out in future years. Some details of this project have yet to be determined and will only be finalized following completion of the Site Investigation and additional Public Consultation.

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: Project itself is the completion of a “baseline” assessment for the site that will allow the clean up of the site to go ahead.

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.