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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Department of National Defence **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Alison Street Tel: 613-995-8603 Fax: N/A
   E-mail: alison.street@forces.gc.ca

2. Project Manager: Laura D'Costa Tel: 613-943-7852
   E-mail: laura.dcosta@forces.gc.ca

3. Does the applicant hold the necessary property rights? **Yes, the land is Crown Land, administered and controlled by INAC and in reserve for DND. Property rights are under discussion as part of the Nunavut Land Use Plan development.**
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

   ☐ One year or less Start and completion dates: _____
   √ Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: **July 1** Completion: **Sept 15**

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   ☐ Temporary
   √ Seasonally Occupied: **During monitoring events**
   ☐ Permanent
   ☐ Other: _____

7. What is the design, maximum and expected average population of the camp?
   The camp at CAM-3 will be able to accommodate 5-8 people.

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

CAM-3 is a former DEW Line site that was closed in the early 1990s, with full remediation completed in 2007.

CAMP LOCATION

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

The camp will be located near the airstrip apron.

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 location was selected based on access and availability of a flat gravel pad.

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

√	Crown Lands	Permit Number (s)/Expiry Date: **not required**
☐	Commissioners Lands	Permit Number (s)/Expiry Date: _____
☐	Inuit Owned Lands	Permit Number (s)/Expiry Date: _____

12. Closest Communities (direction and distance in km):

The closest community is Taloyoak, approximately 80 km north of the site.

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

Consultation meetings took place in the 1990s, this work is being undertaken as part of the Agreement with NTI.

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 (includes exploration drilling)
- ☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
- √ Other **Landfill Monitoring Program**

16. Activities (check all applicable)

- ☐ Preliminary site visit
- ☐ Prospecting

☐ Geological mapping
☐ Geophysical survey
☐ Diamond drilling
☐ Reverse circulation drilling
☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
√ Other: : **Landfill inspection, collection of surface soil and groundwater samples and monitoring of ground temperatures** _

17. Type of deposit (exploration focus):

☐ Lead Zinc
☐ Diamond
☐ Gold
☐ Uranium
☐ Other: _____

N/A

DRILLING INFORMATION

18. Drilling Activities

√ Land Based drilling
☐ Drilling on ice

Although no drilling has been planned for this site, there is a possibility that monitoring wells may get damaged and may need to be replaced from time to time.

19. Describe what will be done with drill cuttings?

Minimal amount of soil cuttings potentially generated, cuttings to be left on site near new wells.

20. Describe what will be done with drill water?

The drill method potentially used should not generate 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.

No additives will be used.

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

No

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.

See attached Spill Contingency Plan.

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

The spill kit will be located at the camp and/or in the possession of one of the team members.

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

At most, there will be 1 x 200 litre barrel of unleaded gasoline on-site for refueling the ATV.

An MSDS can be found at: http://www.online.petro-canada.ca/datasheets/en_US/w102e.pdf

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Bottled water will be brought to site for drinking water purposes.

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

☐ Domestic Use: _____ Water Source: _____
☐ Drilling: _____ Water Source: _____
√ Other: less than 1 m³ /day Water Source: monitoring well sample collection

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:

N/A

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

Bottled drinking water will be brought to site.

30. Will drinking water be treated? How?

N/A

31. Will water be stored on site?
N/A

WASTE TREATMENT AND DISPOSAL

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

X Camp Sewage (blackwater)

Sewage will be disposed of in a pit toilet and buried.

X Camp Greywater

Any greywater generated will be disposed of in a pit and buried.

X Solid Waste

Any solid wastes generated from the camp and monitoring activities will be removed from site.

☐ Bulky Items/Scrap Metal

☐ Waste Oil/Hazardous Waste

X Empty Barrels/Fuel Drums

Will be removed from site at the end of each monitoring event.

☐ Other:

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

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

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?

Landfill monitoring is part of the monitoring program outlined in the supporting documents.

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?
N/A

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
Abandonment and restoration activities have already been completed at this site and the landfill monitoring program is used to monitor the status of the site, post clean up. All equipment used for the program will be removed at the end of each monitoring event.

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: _____

N/A

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