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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: Tamara Van Dyck, Defence Construction Canada Tel: 613-995-9741 Fax: 613-996-9847 E-mail: Tamara.VanDyck@dcc-cdc.gc.ca**
2. Project Manager: Laura D'Costa Tel: 613-943-7852 Fax: 613-996-9848 E-mail: Laura.dcosta@forces.gc.ca
3. Does the applicant hold the necessary property rights? **Yes, the land is DND Reserve**
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: N/A
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: August 15 Completion: August 30

CAMP CLASSIFICATION

6. Type of Camp
☐ Mobile (self-propelled)
☐ Temporary
☐ Seasonally Occupied: _____
☐ Permanent
☐ Other: N/A

7. What is the design, maximum and expected average population of the camp?
The camp at FOX-4, Cape Hooper will be able to accommodate 5-8 people.

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

FOX-4, Cape Hooper is a former DEW Line site that was closed in the early 1990's, with full remediation completed in 2013.

CAMP LOCATION

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

The camp will likely be located on 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:

<input checked="" type="checkbox"/>	Crown Lands	Permit Number (s)/Expiry Date: not required
<input type="checkbox"/>	Commissioners Lands	Permit Number (s)/Expiry Date: _____
<input type="checkbox"/>	Inuit Owned Lands	Permit Number (s)/Expiry Date: _____

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

FOX-4, Cape Hooper is located approximately midway between the communities of Qikiqtarjuaq and Clyde River.

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

Notification of the proposed work is part of the terms of reference that the contractor must comply with, and it is therefore the contractors' responsibility to notify the communities.

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 monitoring program will have minimal to no impacts.

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: **collection of surface soil and groundwater samples and monitoring of ground temperatures**

17. Type of deposit (exploration focus):

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

DRILLING INFORMATION

18. Drilling Activities

- ☐ Land Based drilling
- ☐ Drilling on ice

N/A

19. Describe what will be done with drill cuttings?

N/A

20. Describe what will be done with drill water?

N/A

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.

N/A

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

N/A

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.

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

See attached Spill Contingency Plan. The spill kit will be located at the camp.

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 onsite to refueling an ATV.

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: **0 m3/day** Water Source: _____
☐ Drilling: _____ 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? (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:

☒ Camp Sewage (blackwater)

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

☒ Camp Greywater

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

☒ Solid Waste

_____ **Any solid wastes generated from the camp will be removed from site.**_____

☐ Bulky Items/Scrap Metal

☐ Waste Oil/Hazardous Waste

☒ Empty Barrels/Fuel Drums

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

☐ Other: N/A

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?

This 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 each year upon completion.

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*
- ✓ NWSRTA – *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*