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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Dr. Jim Leafloor Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Dale Caswell Tel: 204-983-5260 Fax: 204-983-5248 E-mail: dale.caswell@ec.gc.ca
2. Project Manager: Jim Leafloor Tel: 204-983-5258 Fax: 204-983-5248 E-mail: jim.leafloor@mts.net
3. Does the applicant hold the necessary property rights? No
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
☐ One year or less Start and completion dates: July 20, 2009 through August 20, 2013
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: August 1, 2009 Completion: August 20, 2013 (approximately 14 days per year)

CAMP CLASSIFICATION

6. Type of Camp
☐ Mobile (self-propelled)
☐ Temporary
☒ Seasonally Occupied: First 2 weeks of August annually
☐ Permanent
☐ Other: _____

7. What is the design, maximum and expected average population of the camp?

4 cabins (see attached photos), plus storage sheds. Maximum population would be 7 people, average population 5-6 people for a period of 2 weeks per year, usually the first 2 weeks of August.

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

The site was originally built by DFO to be used as a commercial char fishery camp. It was later abandoned, and has been used annually since 1987 by CWS biologists for goose banding operations on Baffin Island.

CAMP LOCATION

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

Located on Nikko Island, at the location where the Koukjouak River drains westward from Netilling Lake into Foxe basin. See attached 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 camp was already in existence, and has been upgraded and maintained by CWS as a goose banding camp.

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

<input type="checkbox"/>	Crown Lands	Permit Number (s)/Expiry Date: _____
<input type="checkbox"/>	Commissioners Lands	Permit Number (s)/Expiry Date: _____
X	Inuit Owned Lands	Permit Number (s)/Expiry Date: ____WL2008 1018____

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

Pangnirtung 270 km East of camp

Cape Dorset 350 km SW of camp

Iqaluit 425 km SSE of camp

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

Yes, through the NU Wildlife Research Permit application process

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)
X Other ____Waterfowl monitoring____

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)
- X Other: Wildlife Monitoring

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

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.

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

N/A

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

10 kits, stored in equipment shed

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

Jet B fuel, 10 sealed drums (205L), stored in locked storage shed (formerly a walk-in freezer) until used. Empty drums will be removed annually to Iqaluit.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Netilling Lake, located a few meters north of camp site. Koukjouak River, approximately 60 m West of camp site.

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

☒ Domestic Use: 1 cu. Metre/day maximum Water Source: Netilling Lake
☐ 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:

Water is gathered with a 5 gallon pail for dish washing and camp clean-up.

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

No.

30. Will drinking water be treated? How?

No.

31. Will water be stored on site?

No

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

Outdoor latrine, covered with lime at end of field trip

☒ Camp Greywater

Screened to remove organic waste for disposal in shallow pit

☒ Solid Waste

Removed from site to Iqaluit land fill

☒ Bulky Items/Scrap Metal

Removed from site to Iqaluit landfill

☐ Waste Oil/Hazardous Waste

N/A

☐ Empty Barrels/Fuel Drums

Removed from site to Iqaluit

☐ Other:

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

No incineration will be done on site

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

Transport to Iqaluit land fill

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?

No

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.

There are currently no plans to discontinue use of the site. Ongoing site cleanup and maintenance has been done by CWS since 1987, and will continue in the future.

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. 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