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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Jennie Rausch, Canadian Wildlife Service **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Jennie Rausch Tel: 867-669-4709 Fax: 867-873-6776 E-mail: jennie.rausch@ec.gc.ca

2. Project Manager: Jennie Rausch Tel: 867-669-4709 Fax: 867-873-6776 E-mail: jennie.rausch@ec.gc.ca

3. Does the applicant hold the necessary property rights? We have applied for appropriate permits permitting use including the Inuit Owned Lands exemption permit.

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

   KWI INT: 11 June - 14 July 2010
   KWI RAPID: 11 - 15 August 2010
   VI INT: 11 June - 14 July 2010
   VI RAPID: 11 - 22 June 2010

   [X] One year or less — Start and completion dates: (see above)
   [ ] Multi Year:

   Note: KWI INT - King William Island Intensive Camp
   KWI RAPID - King William Island Rapid Camp
   VI INT - Victoria Island Intensive Camp
   VI RAPID - Victoria Island Rapid Camp

   If Multi-Year indicate proposed schedule of on site activities
   Start: _____ Completion: _____

CAMP CLASSIFICATION

6. Type of Camp

   [ ] Mobile (self-propelled)
   [X] Temporary
   [ ] Seasonally Occupied: _____
   [ ] Permanent
   [ ] Other: _____

7. What is the design, maximum and expected average population of the camp?
   KWI INT: 3 people VI INT: 3 people
   KWI RAPID: 10 people VI RAPID: 6 people

8. Provide history of the site if it has been used in the past.
   Not applicable

CAMP LOCATION

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

KWI INT: approximately 1.5 km north of Maleruaiik Lake
KWI RAPID: at the CAM-2 North Warning Site near Gladman Point
VI INT: approximately 7 km east of Cape Enterprise
VI RAPID: approximately 3 km east of the NWT/Nunavut border and 12 km north of Ferguson Lake

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 locations were selected based on their proximity to potable water, accessiblility by helicopter/twin otter, their proximity to wetlands (wetland habitat is typical shorebird breeding habitat in the Arctic), availability of dry ground to camp on.

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

- [X] Crown Lands — Permit Number (s)/Expiry Date: Not Applicable.
- [ ] Commissioners Lands — Permit Number (s)/Expiry Date: _____
- [X] Inuit Owned Lands — Permit Number (s)/Expiry Date: anticipated May 2010

Only the VI INT camp may be on Inuit Owned Land (parcel CB.37), rapid surveys may be conducted on other parcels of Inuit Owned Land. An exemption permit has been applied for.

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

KWI INT: 60 km West of Gjoa Haven
KWI Rapid: 80 km West of Gjoa Haven
VI INT: 45 km West of Cambridge Bay
VI Rapid: 65 km northwest of Cambridge Bay

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

Letters and a summary of our proposed work have been mailed to the Gjoa Haven, Cambridge Bay and Taloyoak Hunters and Trappers Organizations.

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?

This project will have no impact on traditional water use areas used by nearby communities and will have no impact on local fish and wildlife habitats.

PURPOSE OF THE CAMP

15.
- [ ] Mining (includes exploration drilling)
- [X] Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21) shorebird population monitoring
- [ ] Other _____

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: _____

17. Type of deposit (exploration focus):

- ☐ 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. 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.

There will be a helicopter at two of our camp locations. Helicopters will fall under the Polar Continental Shelf Spill Contingency Plan. Our camps are tent camps and will only have between 3 and 10 - 20 lb propane cylinders at each site. No other fuel will be used with the exception of 1 litre of white gas which will be supplied in each emergency kit (a total of four kits).

24. How many spill kits will be on site and where will they be located? Each helicopter is equipped with its own spill kit.

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

KWI INT: 6 - 20 lb propane
KWI RAPID: 10 - 20 lb propane
VI INT: 6 - 20 lb propane
VI RAPID: 3 - 20 lb propane
Propane cylinders will be stored upright outside of the tents.

Graham Gore Point (KWI) 4 - 250L drums of aviation fuel
68° 56'N, 99° 18'W
Jenny Lind Island Airstrip 8 - 250L drums of aviation fuel
68° 39'N, 101° 44'W
Gladman Point Airstrip 18 - 250L drums of aviation fuel
68° 40'N, 97° 48'W
Ferguson Lake 2 - 250L drums of aviation fuel
69° 35'N, 106° 06'W

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Water will be collected from freshwater lakes and streams near camp.

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

- [X] Domestic Use: 0.176 Water Source: lakes and streams
- [ ] 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 will be collected by hand using 5-gallon water buckets.
Visual examination by individual collecting water will ensure no entrapment of fish.

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

Drinking water will be visually examined to assess suitability.

30. Will drinking water be treated? How?

Drinking water will be pre-filtered through cheesecloth and then filtered using hand-operated pump filter.

31. Will water be stored on site? Up to four or five 5-gallon water buckets will be stored at each camp

WASTE TREATMENT AND DISPOSAL

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

[X] Camp Sewage (blackwater) A portable dry toilet system will be used. Waste will be stored in bear proof containers, flown out of camp and disposed of at waste facilities in Cambridge Bay and Gjoa Haven. In some cases where toilet is not available for use, waste will be buried and away from water sources.

[X] Camp Greywater
Camp greywater will be disposed of by dumping into a shallow pit away from water sources. Pit will be treated with environmentally friendly lime substitute regularly.

[X] Solid Waste
Solid waste will be stored in bear proof containers and flown out of camp and disposed of at waste facilities in Cambridge Bay and Gjoa Haven.

[ ] Bulky Items/Scrap Metal

[ ] Waste Oil/Hazardous Waste

[X] Empty Barrels/Fuel Drums
Empty fuel drums will be flown to nearest community and properly disposed of there. While on the land, drums will be stored in portable berms.

[ ] Other:

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

We will not be incinerating any waste.

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

We will have garbage bags that we will dispose of at the town waste facilities. We will pay any required tipping fees.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all 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?

We have successfully used the portable dry toilet systems in our Arctic shorebird monitoring camps for several years now. Should problems arise with our system, people will dig small holes away from all water sources and bury their excrement/personal waste.

ABANDONMENT AND RESTORATION

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

Our small tent camps will leave no trace behind after our departure from this location. No restoration activities will be necessary.

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: _____

Bart, J. and V. Johnston (eds.). In prep. Arctic PRISM monograph (working title). Available from Canadian Wildlife Service, Yellowknife, e-mail: jennie.rausch@ec.gc.ca

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