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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Reinhard Pienitz Licence No: _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Dr. Jim Leafloor Tel: (204) 983-5258 Fax: _____
E-mail: Jim.Leafloor@EC.GC.CA
2. Project Manager: Dr. Reinhard Pienitz Tel: (418) 656-2131 ext. 7006
Fax: (418) 656-2978 E-mail: reinhard.pienitz@cen.ulaval.ca
3. Does the applicant hold the necessary property rights? Does not apply
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: _____
☒ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: 1 August 2010 Completion: unknown

CAMP CLASSIFICATION

6. Type of Camp
☐ Mobile (self-propelled)
☐ Temporary
☒ Seasonally Occupied: owned by Canadian Wildlife Service (CWS)
☐ Permanent
☐ Other: _____

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

8 people

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

This camp site has been used and maintained by CWS over many years.

CAMP LOCATION

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

CWS Camp on Baffin Island near Lake Nettilling; 66°35'42.10"N, 71°31'23.87"W

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.

This site is owned and maintained by CWS.

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: NRI – 0102908N-M (renewed every year until August 2011)

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

Pangnirtung ~ 300 km E

Iqaluit ~ 350 km SSE

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

Yes, we are in permanent contact with Mrs. Mary Ellen Thomas, Nunavut Research Institute, to establish a long-term research program on Baffin Island and collaboration between NRI and CEN.

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: Scientific Research

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: Lake sediment sampling

17. Type of deposit (exploration focus): none

- ☐ 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.

A spill contingency plan is not necessary for our type of scientific work.

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

We will have a large roll of absorbing mat specially designed for fuel and oil spills at CWS camp.

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

Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel	5 gal	20 litres	Plastic gaz can
Gasoline	5 gal	20 litres	Plastic diesel fuel can
Aviation fuel	12x 65 gal	200 litres	Drum of Jet B Fuel
Propane	20lbs		Propan tank

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Lake Nettilling

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

<input type="checkbox"/>	Domestic Use: <u>< 0.2 m³ daily</u>	Water Source: Lake Nettilling
<input type="checkbox"/>	Drilling: _____	Water Source: _____
<input type="checkbox"/>	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:

The water will be manually scooped from the lake for our domestic (drinking water) use.

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)

Human waste, 10 kg, incinerated, buried ashes

☐ Camp Greywater

Waste water in a shallow pit in the gravel, ~1 m³

☐ Solid Waste

Combustible wastes, 15kg, incinerated, buried ashes

☐ Bulky Items/Scrap Metal

Non-combustible wastes, 2kg, brought back and disposed of in Iqaluit

☐ Waste Oil/Hazardous Waste

None

☐ Empty Barrels/Fuel Drums

Left at CWS camp, PCSP property

☐ Other:

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

CWS will bring this year a smart ash incinerator to the camp that will burn and transform most garbage into a tiny bit of ash.

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

All non-combustible waste will be brought back and disposed of at the Iqaluit dump.

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

Does not apply

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?

CWS uses this camp only during the summer months, when cold weather is uncommon and not a problem.

ABANDONMENT AND RESTORATION

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

This site is owned and maintained by the CWS.

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*