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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

# EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

**Applicant:** David Wilson **Licence No:** _____
(For NWB Use Only)

## ADMINISTRATIVE INFORMATION

1. Environment Manager: _____ Tel: _____ Fax: _____ E-mail: _____

2. Project Manager: David Wilson Tel: (613) 738-6090 Fax: (613) 722-2799
E-mail: David.Wilson@stantec.com

3. Does the applicant hold the necessary property rights?

There are no mining rights or Inuit Owned Land use rights associated with this application. Stantec is applying for relevant surface access (Aboriginal Affairs and Northern Development Canada for use of Crown land over 450 field days and Canadian Wildlife Service to access Polar Bear Pass).

4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.

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: 7/15/2013 Completion: 8/30/2014

## CAMP CLASSIFICATION

6. Type of Camp

- ☐ Mobile (self-propelled)
- ☒ Temporary
- ☐ Seasonally Occupied: _____
- ☐ Permanent
- ☐ Other: _____

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

Fifteen people at most are expected on site at one time. A fuel cache will also be established

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

The locations proposed for remediation evaluation have been used by different oil and gas companies in the past. Some of the companies have been identified (e.g.,Panarctic Oil Ltd.). Others are unknown.

## CAMP LOCATION

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

A camp will be set up and will consist of several aluminum frame, soft-sided tents. The camp will be set up on crown land at one of two potential locations (76° 8’ 20” N 104° 3’ 42”W; 76° 19’ 35” N; 104° 4’ 35" 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.

The camp locations are based on previous camps used by Panarctic Oil Ltd. during their oil exploration activities in the areas, with accompanying airstrips

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

- ☒ Crown Lands — Permit Number (s)/Expiry Date: _____
- ☐ Commissioners Lands — Permit Number (s)/Expiry Date: _____
- ☐ Inuit Owned Lands — Permit Number (s)/Expiry Date: _____

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

Resolute Bay is approximately 300 km from the main project area

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

There has been regular mail, email and telephone consultation regarding hiring locally as well as issues around tipping fees. A community visit is planned for late May/ early June. This project is laying the ground work for a larger remediation program and community consultation, including a visit in January 2014.

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?

Please see attached

**PURPOSE OF THE CAMP**

15.
- ☐ Mining (includes exploration drilling)
- ☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)

Other Camp for Environmental Remediation Assessment

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 Camp for Environmental Remediation Assessment

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?

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.

Please see attached

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

There will be one spill kit at camp and each helicopter will also carry a spill kit.

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

Please see attached

## WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

TBD

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

- ☒ Domestic Use: 2 Water Source: TBD
- ☐ Drilling: 0 Water Source: N/A
- ☐ 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:

Please see attached

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

Drinking water will be imported into site

30. Will drinking water be treated? How?

N/A drinking water will be brought in by air

31. Will water be stored on site?

Water will be stored on site in a soft-side bladder

**WASTE TREATMENT AND DISPOSAL**

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

X Camp Sewage (blackwater)

15 people for 30 days Solidified Back hauled to Resolute

X Camp Greywater

15 people for 30 days, generated 2 $m^3$ for a one month program All soaps and cleaners used in camp will be non-toxic and biodegradable All grey water will be directed to a sump or natural depression at a minimum of 30 m from any water body

X Solid Waste

15 people for 30 days ~15 $m^{3/}$for one month program Stored, Back hauled to Resolute

X Bulky Items/Scrap Metal

It is anticipated that very little will be generated Stored, Back hauled to Resolute

X Waste Oil/Hazardous Waste

Generation of hazardous waste is not anticipated Hazardous material if generated will be package and ship/arrange for shipment south for disposal

X Empty Barrels/Fuel Drums

| | | |
|---|---|---|
| 36 fuel barrels will be on site at one time | Stored in fuel cache | Back hauled empty barrels |

X Other:

| | | |
|---|---|---|
| Methanol | 100 X 10 mL vials | Stored in sealed containers in camp equipment area, shipped with samples to laboratory, unused methanol will be returned to Stantec office in Ottawa |

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?

Back hauled to Resolute, we are in the process of negotiating tipping fees

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

Camp greywater will be disposed of in a natural depression or sump located minimum of 30 m from any water body

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?

N/A

**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?

All the water supply and waste treatment and disposal methods have been used and proven in the North. The technologies have been used in the North under similar conditions as the project is proposing.

**ABANDONMENT AND RESTORATION**

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

Please see attached

## BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

- [X] 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