P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: (867) 360-6338
Fax: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

# EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

**Applicant:** North Country Gold Corp. **Licence No:** _____
(For NWB Use Only)

## ADMINISTRATIVE INFORMATION

1. Environment Manager: Simeon Robinson Tel: 778 729 0600 Fax: 778 729 0650

   E-mail: Simeon.Robinson@AurynResources.com

2. Project Manager Simeon Robinson Tel: 778 729 0600 Fax: 778 729 0650

   E-mail: Simeon.Robinson@AurynResources.com

3. Does the applicant hold the necessary property rights? Yes

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
   March 2016 to September 2020

## CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   ☑ Temporary: Up to 12 additional fly camp locations, up to 2 used concurrently
   ☑ Seasonally Occupied: Existing Exploration Camps (Hayes Camp, Bullion camp, Crater Lake Camp and Ingot Camp)
   ☐ Permanent
   ☐ Other:_____

7. What is the design, maximum and expected average population of the camp?
   Hayes Camp
   Camp population fluctuated from 5 up to 100 people depending on scale of program. Camp serves as primary base of operations for the Committee Bay Project.

Bullion Camp
Camp population fluctuates from 5 up to 40 people. NCGC is proposing the following upgrades to enable up to 40 people:

- Upgrade existing / construct additional timber framed structures
- Upgrade generator and electrical wiring.

Ingot Camp
Camp population fluctuates from 5 up to 25 people

Crater Camp
Presently disassembled

Fly Camps

Temporary fly camps are expected to house an average of 5-8 people for up to 10 days at a time to facilitate regional exploration work.

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

Hayes Camp (operational since 1994)
Bullion Camp (operational since 2004)
Ingot Camp (operational since 2005)
Crater Camp (operational since 1997)

**CAMP LOCATION**

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

Existing Camps are located on eskers or upland, dry areas, close to water bodies.

| CAMPS | NAD 83 Zone 15 | | Degrees Decimal | |
|---|---|---|---|---|
| | Easting | Northing | Latitude | Longitude |
| Hayes Camp | 564613 | 7394173 | 66.66 | -91.54 |
| Bullion Camp | 494850 | 7363850 | 66.39 | -93.12 |
| Ingot Camp | 516500 | 7386100 | 66.59 | -92.63 |
| Crater Camp | 677781 | 7478788 | 67.37 | -88.86 |

Approximate fly camp locations are shown on Map A within the Detailed Non-Technical Summary.

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.

Sites were selected on the basis of location, proximity to exploration areas, relatively flat ground, and geology.

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

☑ Crown Lands Permit Number (s)/Expiry Date: _____

N2014C0005 – issued 29th April 2014, expires 28th April 2016
N2014C0002 – issued 24th April 2014, expires 23rd April 2016

☐ Commissioners Lands Permit Number (s)/Expiry Date: _____
☑ Inuit Owned Lands Permit Number (s)/Expiry Date: _____

KTL314C003 – issued 6th January 2015, expires 5th January 2016

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

The centre of the Committee Bay Project is located approximately 220km south of Kugaaruk, 430km north of Rankin Inlet, and 235 km west of Repulse Bay.

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

NCGC met with the Kitikmeot Inuit Association board of directors in January 2012. No concerns were expressed at this time. NCGC was asked about the availability of jobs. NCGC will be hiring from local communities in the region on recommencement of work. Updates letters sent to Northern stakeholders September 2012 and April 2013.

In April 2015, NCGC sent project update and notice of work letters to Northern stakeholders concerning the proposed 2015 summer program, including local communities and Inuit associations. Additional consultations are planned for 2016.

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)
☐ 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: RAB drilling

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?

When drilling on land drill cuttings will be collected in a proximal natural depression or a sump. When drilling on ice cuttings will be collected in a tank and disposed of on land in a sump or natural depression. Please see NCGC Environmental Plans.

20. Describe what will be done with drill water?

Drill water used for diamond drilling will be collected in a sump or natural depression. The sump will be allowed to dry (by evaporation).

No water is utilized in Reverse Circulation (RC) or Rotary Air Blast (RAB) drilling.

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.

Small amounts of Methyl Hydrate may be used whilst RC/RAB drilling.

Diamond Rigs continue to use 550x Polymer, Linseed Soap, Big Bear Diamond Rod Grease, and Calcium Chloride where necessary.

MSDS sheets and details are provided in NCGC Spill Prevention and Response Plan.

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

Diamond core will be cut or mechanically split. Usually half core is sent for analysis at a laboratory offsite. Remaining core is stored in wooden boxes onsite.

The RAB drill produces dry crushed rock material which will be sampled and sent offsite for analysis. The remaining crushed rock will be collected in a sump or natural depression.

**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.

NCGC has an approved Spill Prevention and Response Plan for the Committee Bay Project.

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

NCGC will locate spill kits at all fuel caches, operating drills, generators, helicopter pads. Spill kits will be proximal to wherever fuel is transferred or stored.

Please see NCGC Spill Prevention and Response Plan and Fuel Management Plan for details.

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

Fuel and chemicals will be stored within secondary containment.

Please see NCGC Spill Prevention and Response Plan and Fuel Management Plan for details and MSDS sheets.

**WATER SUPPLY AND TREATMENT**

26. Describe the location of water sources.

Existing camps are located close to lakes. Lakes and small ponds are used to supply water for diamond drilling.

Proposed fly camps will be located proximal to water sources.

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

- ☑ Domestic Use: up to 50 $m^3$ per day Water Source: Local lakes/ponds
- ☑ Drilling: up to 245 $m^3$ per day, Water Source: Local lakes/ponds
- ☑ Other: Ice airstrip/winter road flooding Water Source: Local lakes/ponds

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:

Hayes Camp, Bullion Camp, Ingot Camp, Crater Camp – water is pumped from water source to holding tanks. At fly camps water will be stored in jugs/drums.

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All pump intake lines are equipped with screens to prevent fish becoming entrained.

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

Water will be sent offsite to a laboratory for analysis (including presence of coliform bacteria) once per season.

30. Will drinking water be treated? How?

Water will be lightly chlorinated. Larger camps (Hayes/Bullion) also have UV treatment.

31. Will water be stored on site?

Yes water will be stored in ~250 gallon tanks in existing camps.

In fly camps, water will be stored in drums or 10 gallon jugs (or similar)

**WASTE TREATMENT AND DISPOSAL**

32. Describe the characteristics, quantities, treatment and disposal methods for:
Please see NCGC Comprehensive Waste Management Plan for details

- ☑ Camp Sewage (blackwater)
  Hayes Camp – WWTS or pacto toilet
  Bullion, Ingot, Crater Camp – latrine pit or pacto toilet (bags then shipped to Hayes Camp for incineration)
  Fly Camp – Latrine pit
- ☑ Camp Greywater
  Hayes Camp – Waste water treatment system or sump
  Bullion, Ingot, Crater, fly camp – sump
- ☑ Solid Waste
  This will be transported to Hayes camp for sorting, recycling, incineration (if appropriate) and backhauled from the Committee Bay Project to approved disposal site.
- ☑ Bulky Items/Scrap Metal
  This will be transported to Hayes camp for sorting, recycling and backhaul from the Committee Bay Project to approved disposal site.
- ☑ Waste Oil/Hazardous Waste
  This will be transported to Hayes camp for sorting, recycling and backhaul from the Committee Bay Project to approved disposal site.
- ☑ Empty Barrels/Fuel Drums
  This will be transported to Hayes camp for sorting, recycling and backhaul from the Committee Bay Project to approved disposal site.
- ☐ Other: _____
  - ☐ Other:

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

Approved combustible wastes will be incinerated. Please see NCGC Comprehensive Waste Management Plan for details.

NCGC has a diesel fired, dual chamber Westland CY50CA incinerator onsite at Hayes Camp.

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 shipped off site will be disposed of at an approved waste disposal facility or a municipal waste facility where authorization has been granted.

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

Small sumps will be positioned more than 31 m from nearest waterbody at existing camps and fly camps.

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?

Systems have been in use since 1994 and 1997 at present locations. No problems have been reported.

**ABANDONMENT AND RESTORATION**

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

Strategies for progressive reclamation and final abandonment are detailed in the NCGC Abandonment and Reclamation Plan.

**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