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OFFICE DES EAUX DU NUNAVUT

## EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

**Applicant:** North Country Gold Corp. ("NCGC") **Licence No:**

(For NWB Use Only)

### ADMINISTRATIVE INFORMATION

1. Environment Manager: Bryan Atkinson Tel:(780) 919 6086 Fax: (778) 729-0650  
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2. Project Manager: Bryan Atkinson Tel:(780) 919 6086 Fax: (778) 729-0650  
E-mail: [bryan.atkinson@aurynresources.com](mailto:bryan.atkinson@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.  
[Application being completed and submitted by Tara Gunson, APEX Geoscience Ltd., on behalf of NCGC. See "NCGC GMB Project APEX Authorization Letter"](#)
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: August 2, 2018

Completion: Approximately September 30, 2018

(or as soon as authorization can be granted) (Maximum October 15, 2018).

[Similar schedule annually](#)

### 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?  
The 2018 proposed exploration program will be supported by a temporary, 40 person camp. Structures for the proposed 2018 camp may include 10 sleeper tents, 1 kitchen, 1 dry (with showers), 1 generator shack (wooden or weatherhaven), incinerator and 2 wooden outhouses. The majority of the structures will be insulated Weatherhaven tents, or similar, with tarp floors.
8. Provide history of the site if it has been used in the past.  
It does not appear that the area of proposed exploration has had significant exploration in the past. It is unknown if the potential camp location has been used in the past.

## CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.  
A potential location for the camp has been identified (see “*NCGC GMB Project Location Figure*” and “*NCGC GMB Project 2018 Camp Location Over Google Earth Figure*”). The location may need to be changed at the start of the program if ground conditions are not suitable. If the location changes, the new location will be provided to all the regulatory authorities, including the Nunavut Planning Commission (“NPC”), Nunavut Impact Review Board (“NIRB”), Indigenous and Northern Affairs Canada (“INAC”) and the NWB.
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.  
Proposed temporary camp location was selected from GIS and satellite imagery. The location will require to be situated on appropriate terrain composed of a consolidated and durable surface, such as gravel or sand, which is able to withstand helicopter and camp use. Therefore the site may need to be changed at the start of the 2018 program if ground conditions are deemed not suitable. If the location changes, the new location will be provided to all the regulatory authorities, including the Nunavut Planning Commission (“NPC”), Nunavut Impact Review Board (“NIRB”), Indigenous and Northern Affairs Canada (“INAC”) and the NWB. See “*NCGC GMB Project Location Figure*” and “*NCGC GMB Project 2018 Camp Location Over Google Earth Figure*”.
11. Is the camp or any aspect of the project located on:
 

<input checked="" type="checkbox"/> Crown Lands <input type="checkbox"/> Commissioners Lands <input type="checkbox"/> Inuit Owned Lands	Permit Number (s)/Expiry Date: <u>Under Application</u> Permit Number (s)/Expiry Date: _____ Permit Number (s)/Expiry Date: _____
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12. Closest Communities (direction and distance in km):  
The Property is approximately 115 km southeast of the community of Baker Lake.
13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?  
See “*NCGC GMB Project Consultation Log Updated 25June2018*”
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?  
Although a portion of the Property is covered by of an area identified as being of Traditional Land Use, there are no impacts on traditional land or water use anticipated. All potential environmental effects associated with the proposed Project are considered minor, localized effects that can be mitigated. No residual impacts to the environment or traditional use of the area are expected to occur as a result of the implementation of this program. All exploration

activity planning will take into account any possible impacts to the cultural value, including subsistence harvesting and quality of water.

## PURPOSE OF THE CAMP

15. ☐ Mining (includes exploration drilling)  
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)  
(Omit questions # 16 to 21)  
☒ Other: Mineral Exploration Camp – NO DRILLING

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: Till Sampling

17. Type of deposit (exploration focus):

- ☐ Lead Zinc  
☐ Diamond  
☒ Gold  
☐ Uranium  
☐ Other: \_\_\_\_\_

## DRILLING INFORMATION

18. Drilling Activities **N/A**

- ☐ 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.

See “*NCGC GMB Project Spill Prevention and Response Plan*”

24. How many spill kits will be on site and where will they be located?  
Spill kits will be located near where any hazardous material is used, stored or transferred, such as fuel caches, generator, incinerator, kitchen, sleeper tents, outhouses and near the pump at the water source.

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.  
A main fuel cache will be established proximal to the camp, primarily to store diesel and jet fuel, with smaller quantities of gasoline and propane. Other hazardous materials found on site may include small quantities of various lubricants/oil/grease for maintenance of motorized equipment, cleaning products, and waste oil.

Diesel, jet fuel, and gasoline will be stored in 205 litre (L) steel drums. Propane will be stored in 100 pound (lb) cylinders equipped with pressure relief valves. Waste oil will be sealed in 205 L steel drums and removed from camp for proper disposal. See the North Country Gold Gibson MacQuoid Property Spill Prevention and Response Plan for Material Safety Data Sheets (“MSDS”).

Material	Container	Average on Site at One Time
Diesel	205 L Drum	20 Drums
Jet Fuel (Jet A or Jet B)	205 L Drum	75 Drums
Gasoline	205 L Drum	5 Drum
Propane	100 lb Cylinder	10 Cylinders

## WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.  
Water will be drawn from a waterbody adjacent to camp. Care will be taken to ensure that water is only drawn from a waterbody with sufficient capacity in order to avoid impact on lake level or flow.

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

☒ Domestic Use: 5 m<sup>3</sup>/day      Water Source: Unnamed Lake adjacent to camp  
☐ 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:  
The water intakes for the camp will use an electrically powered submersible pump with a fine screen (<1/4" openings) on the intake. NCGC will ensure all employees and contractors review and follow the DFO's "*Freshwater Intake End-of-Pipe Fish Screen Guidelines*" to mitigate any potential hazards to marine life around intakes.
29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?  
Drinking water quality will be monitored for various types of coliform bacteria, upon mobilization to the camp and periodically during the program.
30. Will drinking water be treated? How?  
Water will be lightly chlorinated and a UV filter used on the drinking water line at the camp location.
31. Will water be stored on site?  
Water will be stored in temporary 500 L plastic tanks.

## **WASTE TREATMENT AND DISPOSAL**

32. Describe the characteristics, quantities, treatment and disposal methods for:  
Waste management operations at the Gibson MacQuoid Project will comprise a number of activities with the common goal of reducing the amount of waste generated on site and to ensure that all materials are re-used, recycled, or disposed of in a responsible manner. Wastes will be separated at the source into a number of categories including: organics (food wastes) and other inert materials for incineration, inert non-combustible materials, and various hazardous materials. Materials that cannot be incinerated will be stored in appropriate containers until they can be removed from site for treatment and/or disposal at an accredited facility. For further information see the "*NCGC GMB Project Waste Management Plan*" and "*NCGC GMB Project Abandonment and Reclamation Plan*."

### **Camp Sewage (blackwater)**

The 2018 temporary camp will have approximately 30 to 40 people. The camp will likely utilize privy pits (outhouses) with periodic lime treatment to control sewage pathogens. When full, the pits will be covered with at least 30 cm of compacted soil. Alternatively, sewage will be incinerated with an incinerator specifically designed for that type of waste. Either camp sewage disposal system will be located at least 31 m away from the normal high water mark of any waterbody.

### **Camp Greywater**

Camp greywater will be stored and treated in an excavated sump, which will allow for slow infiltration into the soil and will be located at least 31 m away from the normal high water mark of any waterbody. If available, coarse gravel will be placed in the bottom of the sump to provide filtration, and supports will be built on the sides to prevent slumping. Filters will be installed on kitchen drains to ensure solid food wastes do not enter the sumps and have the potential to attract wildlife. When full, greywater sumps will be covered with enough material to allow for future ground settlement.

## Solid Waste

Combustible waste will be batch fed through a dual-chamber controlled air incinerator in accordance with the Nunavut Environmental Guideline for the Burning and Incineration of Solid Waste. Any residual waste (ash) will be placed in sealed containers and backhauled to Baker Lake or Yellowknife or barged to Quebec.

Non-combustible, recyclable and hazardous wastes will be sealed in appropriate containers and backhauled to Baker Lake or Yellowknife or barged to Quebec for proper disposal.

## Bulky Items/Scrap Metal

Scrap metal, glass, electronics, waste tires, hoses and other rubber materials, no longer usable mechanical equipment, such as generators, will be repurposed for alternative uses whenever possible. Any residual metal or glass that cannot be reused will be placed in 205 L steel drums and backhauled to Baker Lake or Yellowknife or barged to Quebec for proper recycling or disposal. Material and equipment awaiting backhaul will be stored in a specially designated, bermed area.

## Waste Oil/Hazardous Waste

Waste oil will be collected and sealed in clearly marked plastic containers and transported to Yellowknife or barged to Quebec for disposal at an approved site. Lead acid batteries will also be sealed in appropriate, clearly marked containers, and transported to Baker Lake or Yellowknife or barged to Quebec for disposal at an approved facility.

## Empty Barrels/Fuel Drums

Empty containers will be stored in a designated area and returned to the supplier. Drums may alternatively backhauled to a recycling facility.

## Other

Used rags, sorbents, batteries, aerosol cans and any contaminated soil will be placed in clearly labeled, tightly sealed containers, such as 205 L steel drums and stored in the hazardous waste storage area until backhaul is possible.

Waste lead acid batteries and rechargeable batteries can only be stored in this manner in quantities of 1,000 kg or less and for periods of less than 180 days. All waste lead acid and rechargeable batteries will be backhauled from site as necessary to conform to regulations. Use of aerosol cans at the Property will be limited and whenever possible, alternatives, such as spray bottles, will be used in place of aerosol cans.

33. Please describe incineration system if used on site. What types of wastes will be incinerated?  
The 2018 temporary camp will use a dual chamber, fuel fired incinerator to incinerate inert combustible solid wastes, such as food, paper, cardboard and untreated wood. Ashes will be stored in sealed containers and removed from site for disposal at an approved facility. Sewage will only be incinerated if the incinerator on site is specifically designed for that type of waste.
34. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted?  
Non-combustible waste will be stored in sealed containers and removed from site weekly to Baker Lake and from there to Yellowknife or barged to Quebec. All required authorization for disposal of waste will be obtained prior to commencement of field work.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).  
Camp greywater will be stored and treated in an excavated sump or natural depression, which will allow for slow infiltration into the soil and will be located at least 31 m away from the normal high water mark of any waterbody. If available, coarse gravel will be placed in the bottom of the sump to provide filtration and supports will be built on the sides to prevent slumping. Filters will be installed on kitchen drains to ensure solid food wastes do not enter the sumps and have the potential to attract wildlife. Sumps will maintain a minimum 1 metre freeboard at all times. The camp sumps and pipes will be inspected at regular intervals for leaks or overflow. When full, greywater sumps will be covered with enough material to allow for future ground settlement.
36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?  
No leachate will be produced on site.

## 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 water supply and waste treatment and disposal methods have been proven in cold climates. No O&M problems are anticipated.

## ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.  
The only reclamation required for the exploration activities will be to fill in the small till sample holes after a 2.5 kg sample has been removed. The camp will be completely removed after completion of the exploration program. For additional information see the “*NCGC GMB Project Abandonment and Restoration Plan.*”

## BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.  
Due to the small scale and nature of the current exploration program and temporary camp, baseline data collection is not anticipated this year other than wildlife observations and drinking water quality, which will be monitored for various types of coliform bacteria, upon mobilization to the camp and periodically during the program.
- ☐ 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*
- ✓ NWSRTA – *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*