

# EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Appli	icant:ARCTIC COPPER CORP Licence No:
	(For NWB Use Only)
ADM	INISTRATIVE INFORMATION
1.	Environment Manager: <u>Donald Penner</u> Tel: <u>778-212-1950</u> Fax:none Email:dfpenner@pennergeological.com
2.	Project Manager: <u>Donald Penner</u> Tel: <u>778-212-1950</u> Fax: <u>none</u> E-mail: dfpenner@pennergeological.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 Multi Year:  Start and completion dates: Aug 15, 2016 – Aug 15, 2018
	If Multi-Year indicate proposed schedule of on site activities Start: Aug 15, 2016 Completion:Sept 30, 2016
CAM	IP CLASSIFICATION
6.	Type of Camp
	Mobile (self-propelled) Temporary Seasonally Occupied: Permanent Other:

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

Average population 8 people; see attached for design of camp.

8. Provide history of the site if it has been used in the past. Our proposed site is the Hope Lake Airstrip. This site has not been used by Arctic Copper Corp in the past.

#### **CAMP LOCATION**

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

  Hope Lake airstrip. 67°26'00"N; 116°28'00"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 Hope Lake Airstrip is a convenient site for setting up and servicing our camp. The site was used by previous operators. See attached map.
- 11. Is the camp or any aspect of the project located on:

Crown Lands	Permit Number (s)/Expiry Date:	permit pending
Commissioners Lands	Permit Number (s)/Expiry Date:	
	Permit Number (s)/Expiry Date:	

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

Kugluktuk is approx 60km northeast of our claims area.

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

There have not been any formal meetings to date due to the small size of the program.

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?

There will not be any impact to Kugluktuk or any fish and wildlife habitat because the project will initially be very small. There will not be any discharge of waste or any other material into any body of water.

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## PURPOSE OF THE CAMP

15.		Mining (includes exploration drilling)  Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)  (Omit questions # 16 to 21)
16.	Activities (c	Other check all applicable)
		Preliminary site visit Prospecting Geological mapping Geophysical survey Diamond drilling – depends upon available funds yet to be raised Reverse circulation drilling Evaluation Drilling/Bulk Sampling (also complete separate questionnaire) Other:
17.	Type of dep	posit (exploration focus):
		Lead Zinc Diamond Gold Uranium Other:Copper
DRIL	LING INFO	RMATION
18.	Drilling Act	tivities
		Land Based drilling Drilling on ice
19. 20.		nat will be done with drill cuttings?  Il be settled out from the drill water in a nearby sump. On completion of the hole,
_0.	Cuttings WI	in so settled sat from the drift water in a nearby sump. On completion of the hole,

the sump will be filled in and the cuttings buried. There are very minimal amounts of cuttings

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due to the short hole depths anticipated, generally approx 75-200m.



21. Describe what will be done with drill water?

Drill water will be drained into a nearby sump, cuttings allowed to settle, and the water allowed to percolate into the ground.

- 22. 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. See attached.
- 23. Will any core testing be done on site? Describe. The core will be geologically logged, then cut in half with one half sent out for assay and the remaining half archived on site.

#### SPILL CONTINGENCY PLANNING

24. 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 ATTACHED SPILL CONTINGENCY PLAN

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

There will be two spill kits, one in the camp and one at the drill site.

26. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets. 10x205litre drums JetB Aviation fuel; 5x205litre drum diesel; 1x205litre drum Gasoline; 3x 100lb tank propane. The drums will be stored within a containment area surrounded by a burm. The floor of the berm area will be lined with suitable material to prevent any seepage into the underlying soil if any fuel should leak.

#### WATER SUPPLY AND TREATMENT

- 27. Describe the location of water sources. Un-named creeks and ponds for drilling. See figures attached maps. Hope Lake for camp water.
- 28. Estimated water use (in cubic metres/day):

Domestic Use: <u>0.5m<sup>3</sup></u> Water Source: Hope L
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	Drilling: <u>65.5m³</u> Water Source: Un-named creek	s and ponds.
	Other: Water Source:	
	SEE ATTACHED MAPS	
29.	Describe water intake for camp operations? Is the water intake equipped with a prevent entrapment of fish? (see <i>DFO 1995</i> , <i>Freshwater Intake End-of-Pipe Foundeline</i> ) Describe: The water will be supplied with a small pump which will fish screen.	ish Screen
30.	O. Will drinking water quality be monitored? What parameters will be analyzed a frequency? One sample will be sent to an accredited lab for analysis for suitab The tests will include, among others, the pH, bacteria count and any hazardous	ility for drinking.
31.	1. Will drinking water be treated? How? The water will not be treated.	
32.	2. Will water be stored on site? No	
WAS	VASTE TREATMENT AND DISPOSAL	
33.	B. Describe the characteristics, quantities, treatment and disposal methods for:	
	Camp Sewage (blackwater) An outhouse will be placed over a pit filled in burying the sewage on completion of the project.	. The pit will be
comp	Camp Greywater: The greywater will be drained into a sump and ompletion of the project.	buried on
Kuglu	Solid Waste: Garbage will be burned; residue will be flown out t ugluktuk at completion of project.	o landfill in
	Bulky Items/Scrap Metal: Flown out to landfill at completion of	project.

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	Waste Oil/Hazardous Waste: Will be flown out for appropriate disposal.
completion.	Empty Barrels/Fuel Drums: Will be flown out to fuel supplier at project
	Other:

- 34. Please describe incineration system if used on site. What types of wastes will be incinerated? Paper and kitchen waste will be burned in a make-shift drum made for burning waste.
- 35. Where and how will non-combustible waste be disposed of? If in a municipality in Nunavut, has authorization been granted? Will be flown out to landfill in Kugluktuk. Permission has not yet been obtained. This will be requested when first crew members mobilize.
- 36. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable). This will be a very small camp. The camp will be close enough to Hope Lake to obtain water for the camp.
- Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency? No.

#### **OPERATION AND MAINTENANCE**

38. 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 are not planning to operate in cold climate at this point in our exploration. If the program is successful and we further advance exploration, we will have heating and insulation equipment in place for suitable water supply and waste disposal.

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#### ABANDONMENT AND RESTORATION

39. Provide a detailed description of progressive and final abandonment and restoration activities at the site. Upon completion of the project, the camp will be entirely torn down and flown out. Pits and sumps will be filled in, any waste flown out and the area restored to the condition upon arrival. There will be no supplies or materials left at the camp site.

#### BASELINE DATA

<del>1</del> 0.	F	las or wi	II any	baseline	informatic	on be o	collected	l as par	t of this	project?	Provide	bibliog	grapi	ny
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Physical Environment (Landscape and Terrain, Air, Water, etc.): We will be
sampling various water bodies and taking soil samples to obtain background data
as the exploration program progresses.
Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic
Organisms, etc.): We will be documenting wildlife and bird sightings during the
course of our work.
Socio-Economic Environment (Archaeology, Land and Resources Use,
Demographics, Social and Culture Patterns, etc.)
Other:

### REGULATORY INFORMATION

- 41. 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

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- ✓ Public Health Act Camp Sanitation Regulations
- ✓ Public Health Act Water Supply Regulations
- ✓ Territorial Lands Act and Territorial Land Use Regulations; Updated 2000

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