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Tel: (867) 360-6338 Fax: (867) 360-6369 kNK5 wmoEp5 vtmpq NUNAVUT WATER BOARD NUNAVUT IMALIRIYIN KATIMAYINGI OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applic	eant: Marc Beauchamp Licence No: 3BC-ADM (For NWB Use Only)
ADMI	NISTRATIVE INFORMATION
1.	Environment Manager: Margoaulam Tel: (519)661-2111 Fax: (519)661-3148 E-mail: mbeauch 6@ uwo. Ca
2.	Project Manager: Tel: (S19) 661-4208 Fax: (S19) 661-3198 E-mail: gosinski@uwo.ca
3.	Does the applicant hold the necessary property rights? A Land use Permit is expected in May 2012
4.	Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization. $N0$
5.	Duration of the Project
	One year or less Multi Year: Start and completion dates: July 4- July 18, 2012
	If Multi-Year indicate proposed schedule of on site activities Start: Completion:
CAMP	CLASSIFICATION
6.	Type of Camp
	Mobile (self-propelled) ▼ Temporary Seasonally Occupied: Permanent Other:
8.	What is the design, maximum and expected average population of the camp? The camp will consist of 2 Longhonse tents and Several small personal tents. The population of the camp will be maximum 12 people. Provide history of the site if it has been used in the past. The Lost Hammer Spring site has never hosted a camp.

CAMP LOCATION

9.	Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
T	ve camp location is near the Lost Hammer spring site. This is located on a large unnamed ver flowing north into Strand Fiord, fed by glaciers emanating from the north of the
ζ	eacie ice cap. There it also a small creek nearby which flows into the river.
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.
Sh	-t visits to the site by scientists in the past have characterized the salt deposits around the
Spi	ing and the gases emanating from it. This location is the only documented methane sup
ìn 11.	s the camp or any aspect of the project located on: (See map + photos) Mars.
	Crown Lands Commissioners Lands Inuit Owned Lands Permit Number (s)/Expiry Date: Permit Number (s)/Expiry Date: Permit Number (s)/Expiry Date: Permit Number (s)/Expiry Date:
12.	Closest Communities (direction and distance in km): Brish Fiord is located approximately 340 km to the SE of the site
13.	Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
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?
1	e project will have no impacts on either traditional water use areas por local fish
a	d wildlife habitats.
PURP	OSE OF THE CAMP
15.	Mining (includes exploration drilling) Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.) (Omit questions # 16 to 21)
	Other Scientific and Technical remarch
16.	Activities (check all applicable)
	Preliminary site visit
	☐ Prospecting ☑ Geological mapping
	Geophysical survey
	Diamond drilling
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	Reverse circulation drilling Evaluation Drilling/Bulk Sampling (also complete separate questionnaire) Other: Robetics and Scientific Instrument testing
17.	Type of deposit (exploration focus):
	 Lead Zinc Diamond Gold Uranium ✓ Other: methane
DRIL	LING INFORMATION
18.	Drilling Activities No drilling involved in project.
	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
SPILI	L 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 <i>NWT Environmental Protection Act, Spill Contingency Planning and Reporting Regulations, July 22, 1998</i> and <i>A Guide to the Spill Contingency Planning and Reporting Regulations, June 2002</i> . Please include for review.
	See- An Analogue Mission to Discover the Genesis of Methane on Mars - Spil
	Contingency Plan
24.	How many spill kits will be on site and where will they be located?
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1-2	Spill	Kits	will	be	located	on	site,	4	the	frel	Storage	area
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25.	Please describe the types, quantities, and method of storage of fuel and chemicals on site, and
	provide MSDS sheets.

1 55 gallon drum of gasoline as well as 4 20 L gerry cans of gasoline, 4 55 gallon drums of Jet A Fuel and 3 2016. propone tanks will all be stored on flat ground (preferably soil) on an importmental liner, far from water surus.

WATER SUPPLY AND TREATMENT (See attached MSDS sheets)

26. Describe the location of water sources.

Water will be collected from the small creek which runs just north of our camp location. Should this creek be dry, water will be collected from the large river just west of our camp location.

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

X	Domestic Use:	0.05	m³/day	_ Water Source: Creek	or	river
	Drilling:		Wat	er Source:		
	Other:		200	_ 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:

Water intake will be done by hand using water jugs.

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

No

30. Will drinking water be treated? How?

Drinking water will either be filtered with a small hand pump or treated with iodine tablets.

31. Will water be stored on site?

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Small	amounts	(~20 L)	of	water	Will	be	stored	Oh	si te	for	domestic
purpol	es.										

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:	
Camp Sewage (blackwater) 12 kg/day (human waste)	
Combastible material will be incinerated in a can. All remaining waste will be transported to	PUS
Camp Greywater 10 L/day (dishwater, working) Greywater will be disposed of in a sump	λl -
Solid Waste 4 Kg/day (Garbage, food wask)	
ncineration of all combustibles in a can. All non-combustible wask will be transported to PCSP for disp	osa
Bulky Items/Scrap Metal	
Waste Oil/Hazardous Waste	
Empty Barrels/Fuel Drums	
All empty barrels will be transported back to PLSP for reuse.	
Other:	
33. Please describe incineration system if used on site. What types of wastes will be incinerated?	
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 returned to PCSP for disposal.	
Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).	
One sump will be located approximately 300 m from both the creek and the river, within 20 m of the camp location. Dimensions of the sump: 0.5 m diameter, I m dea	ιρ,
no.4 m² volume.	
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Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what 36. frequency?

no.

OPERATION AND MAINTENANCE

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? These treatment and disposal methods have been used at scientific cumps on Devon Island and Axel Heiberg Island for Several years. No ofm problems are forescen.

ABANDONMENT AND RESTORATION

38.	Provide a detailed description of progressive and final abandonment and restoration activities at	
	the site.	1.0.1
	the 2 weeks of operations all temporary camp materials will be packed up and	
	ip. We Nothing will remain on site and thy disrupted terrain will be restored	to it's
BASE	LINE DATA initial state.	

Has or will	any baseline information be collected as part of this project? Provide bibliography.
No	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

- At a minimum, you should ensure you have a copy of and consult the documents below for 40. 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

 - ✓ RWED A Guide to the Spin Contingency Flaming and
 ✓ 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

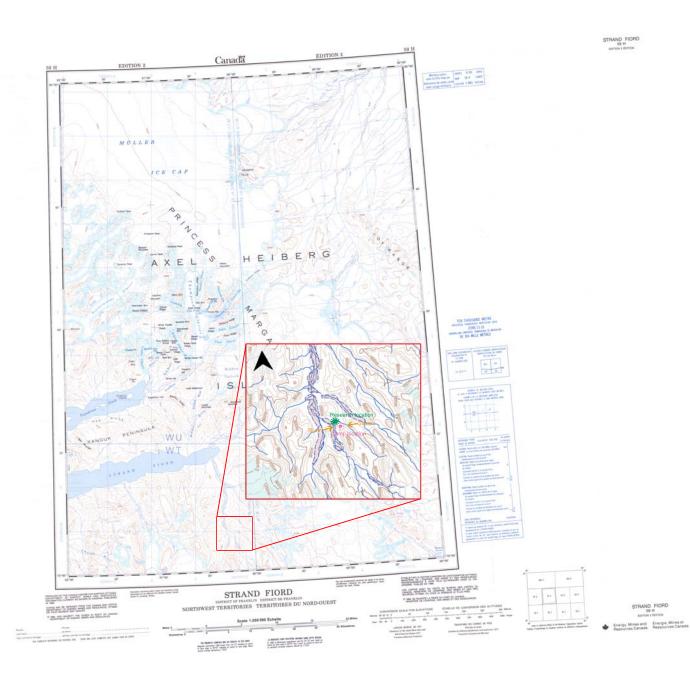
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39.

- ✓ NWTWB Guidelines for the Discharge of Treated Municipal Wastewater in the
- ✓ 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

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