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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: _Prosperity Goldfields Corp.__Licence No: _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Saz Yaqzan_Tel: 780 886 1345_Fax: Email: GeotargetConsulting@gmail.com

2. Project Manager:_Chris Pennimpede__Tel: 604-569-2963_Fax:604-648-8105 E-mail: chrisp@prosperitygoldfields.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: _____
   X Multi Year:

   If Multi-Year indicate proposed schedule of on site activities
   Start: __Spring 2013_____ Completion: Fall 2016_____

CAMP CLASSIFICATION

6. Type of Camp

   ☐ Mobile (self-propelled)
   X Temporary
   X Seasonally Occupied: __February to September
   ☐ Permanent
   ☐ Other:_____

7. What is the design, maximum and expected average population of the camp?
   The design capacity for the amended camp is 50 people. The camp will average 35 people.

8. Provide history of the site if it has been used in the past.
   A temporary camp was built in 2011 and used for an exploration and drill program from February to September of 2011 and 2012.

CAMP LOCATION

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

The camp location is based on the proximity to Kiyuk Lake for potable water and to the planned exploration and drill program.

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.
Currently there is a temporary camp built in the spring of 2011 by Prosperity Goldfields Corp. Please see attached Project Description for map of camp location.

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

- [X] Crown LandsPermit Number (s)/Expiry Date:N2011C0001/ June 12, 2013
- [ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
- [ ] Inuit Owned Lands Permit Number (s)/Expiry Date: _____

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

Arviat is located approximately 350 km to the NE.

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

Yes, please see attached Community Consultation Log.

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?
The project will not impact traditional water use areas used by the nearby communities. It is not anticipated that there will be any impacts on local fish or wildlife habitats. Prosperity Goldfields has internal policies with regards to minimizing and preventing impacts on land, water and wildlife.

PURPOSE OF THE CAMP

15.
- [X] 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
- X Prospecting
- X Geological mapping
- X Geophysical survey
- X Diamond drilling
- ☐ Reverse circulation drilling
- ☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ☐ Other: _____

17. Type of deposit (exploration focus):

- ☐ Lead Zinc
- ☐ Diamond
- X Gold
- ☐ Uranium
- ☐ Other: _____

DRILLING INFORMATION

18. Drilling Activities

- X Land Based drilling
- X Drilling on ice

19. Describe what will be done with drill cuttings?

Sumps will be used to hold drill cuttings. These sumps will be located at a minimum of 31 m from the normal high water mark of surrounding water bodies and in such a way that drill cuttings will migrate to any water bodies. Wherever possible natural depressions will be used.

20. Describe what will be done with drill water?

Drill water will be pumped to sumps located at least 31 m from the normal high water mark of all water bodies.

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.
Please refer to the Spill Prevention and Response Plan.

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

No

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 refer to the 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 at the fuel cache, the drill, the pump house, the generator shack and at all refueling stations.

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

Please refer to the Spill Prevention and Response Plan.

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.
Domestic water: The water source for domestic use at the Camp is Kiyuk Lake, immediately adjacent to the camp.

Drilling water: The water sources for the purpose of drilling will vary depending on the location of the drill targets. No streams or creeks will be used as a water source for drilling.

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

- x Domestic Use: 10 m^3/day Water Source: Kiyuk Lake
- x Drilling: 150 m^3/day Water Source: various sources and locations
- ☐ 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:

A water line will be used to pump water from the lake to the camp where water tanks will store water for potable use. The water intake line will be equipped with a mesh screen to prevent the entrapment of fish. DFO's guideline document will be used to determine the appropriate mesh screen for the water intake line.

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

A water sample will be collected to establish water quality parameters using a field test kit prior to occupancy. The frequency of the sampling will be determined based on the water quality results.

30. Will drinking water be treated? How?

If indicated as necessary, the water will be chlorinated or shocked with bleach.

31. Will water be stored on site?
Water will be stored on site in water tanks. These tanks will be cleaned prior to occupancy and regularly thereafter.

WASTE TREATMENT AND DISPOSAL

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

X Camp Sewage (blackwater)

Collected in Pacto Bags and incinerated on site

X Camp Greywater

Sumped 31 m from highwater mark of surrounding water bodies, evaporation and back filled

X Solid Waste

_____All combustible waste will be incinerated and all non-combustible waste will be back hauled to Manitoba._

X Bulky Items/Scrap Metal

Backhauled to Manitoba

X Waste Oil/Hazardous Waste

Stored in appropriate containers and back hauled to Manitoba

X Empty Barrels/Fuel Drums

Backhauled to Manitoba

☐ Other:

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33. Please describe incineration system if used on site. What types of wastes will be incinerated?
All combustible waste will be incinerated in an Inciner8 Model A 200.

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 will be backhauled out of Nunavut.

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for all sumps (if applicable).
Natural depressions will be used for sumps. Whenever possible digging of sumps will be avoided to prevent disturbing permafrost.

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

The sumps will be monitored visually to ensure that waters are not overflowing and entering water bodies.

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?

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.
Please see Abandonment and Reclamation Plan.

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.)
- X Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic Organisms, etc.)
- X Socio-Economic Environment (Archaeology, Land and Resources Use,
- ☐ Demographics, Social and Culture Patterns, etc.)
- ☐ Other: _____

Prosperity Goldfields Crop is not aware of any studies prior to 2011. An archaeological study was undertaken in 2011 and submitted to NIRB. Hemmera began collecting water samples in 2012 and installed a weather station on behalf of Prosperity.

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