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# EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

**Applicant:** *Dunsmuir Ventures Ltd.* **Licence No:** _____
(For NWB Use Only)

## ADMINISTRATIVE INFORMATION

1. Environment Manager: *Jennifer Pell* Tel: *604-681-6311* Fax: *604-609-6145*
E-mail: *jpell@dunsmuirventures.com*

2. Project Manager: *Jennifer Pell* Tel: _____ Fax: _____ E-mail: _____

3. Does the applicant hold the necessary property rights?
*The camp site is planned on crown land adjacent to Dunsmuir Ventures Ltd. Prospecting Permits (PP. 2798 to 2800) due to the fact that a suitable esker is known to exist in this location that will allow a Twin Otter on tundra tires to land, which will be necessary to set up the camp.*

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
[X] Annual
[ ] Multi Year:
If Multi-Year indicate proposed schedule of on site activities
Start: _____ Completion: _____



## CAMP CLASSIFICATION

6. Type of Camp
[ ] Mobile (self-propelled)
[X] Temporary
[ ] Seasonally Occupied: _____
[ ] Permanent
[ ] Other: _____

7. What are the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?
*The camp will contain a maximum of 10 people at any one time, but will not have that number of people continuously. It will fluctuate between 6 and 10 people once the project is in operation and will likely have only 1 or two people while it is being set up and torn down. Personnel will include 4 to 8 geological staff, 1 cook, 1 pilot.*

8. Provide history of the site if it has been used in the past.
*N/A*

## CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.
*The camp will be set up on a N-S trending sandy esker about 500m west of the Lorillard River 100m east of a small unnamed lake with a small creek draining it.*

10. How was the location of the camp selected?
*It is a location that is known to be permissible for the land of a Twin Otter on tundra tires and is the only site we know of that is proximal to our prospecting permits.*

Was the site previously used?
*It has not been previously used as a camp site, but Twin Otters have landed there previously.*

Was assistance from the Regional Inuit Association Land Manager sought?
*No.*

Include maps and/or aerial photographs.
*Attached.*

11. Is the camp or any aspect of the project located on:
**[x]** Crown Lands Permit Number (s)/Expiry Date*: on open land adjacent to PP. 2810*
[no ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[no ] Inuit Owned Lands Permit Number (s)/Expiry Date: _____

12. Closest Communities (distance in km):
*Baker Lake, ~250 km to the SE*

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
*Once our exploration plans are finalize, representatives from Baker Lake will be notified to perform community consultations*

14. Will the project have impacts on traditional water use areas used by the nearby communities?
*No*
Will the project have impacts on local fish and wildlife habitats?
*No*

## PURPOSE OF THE CAMP

15. ⊘ **Mining (Exploraion)**
○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
○Other _____ (Omit questions # 16 to 22)

16.
○ Preliminary site visit
⊘ **Prospecting**
○ Geological mapping
○ Geophysical survey
○ Diamond drilling
○ Reverse circulation drilling
○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
⊘ Other: _____

17. Type of deposit:

- ○ Lead Zinc
- ⊘ **Diamond**
- ○ Gold
- ○ Uranium
- ○ Other: _____

## DRILLING INFORMATION N/A

18. Drilling Activities

- ○ Land Based drilling
- ○ Drilling on ice

19. Describe what will be done with drill cuttings?
20. Describe what will be done with drill water?
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.
22. Will any core testing be done on site? Describe.

## SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.

***CONTAINMENT FUEL SPILL CONTINGENCY PLANS***

***Spill Prevention/Early Detection***

*Fuel will be stored in sealed 200 L drums. Drums will be stored in a depression on a sandy esker, lying on their sides with bungs at 3 o'clock and 9 o'clock positions. All bungs will face in the same direction for easy inspection. Drums will be stored in single rows with walking distance between rows. The will be inspected every second day for any seepage.*

***Spill Response Measure for Fuels***

*The source of the spill will be identifed. Any possible sources of ignition will be isolated or removed, if possible. The spill or source of spill will be contained as possible. The spill will be reported to the appropriate 24 hour spill line. Clean-up will be initiated. If necessary, aid in cleaning up the spill will be requested from external sources.*

***Spill Clean-up Measures.***

*As fuels will be stored on and sandy esker, the following proceedures are suggested:*
*1) A trench or ditch to intercept and contain flow of fuels will be constructed*
*2) A soil berm will be constructed downslope of the spill, if appropriate. Synthetic, impervious sheeting will also be used, if possible, to act as a barrier*
*3) If possible, spills and contaminated material (including soil and vegetation) will be recovered through manual means (shovel)*
*4) Synthetic absorbant pad material will be used to absorb minor petroleum spills*
*5) Contaminated material will be transported to an approved disposal or recovery site. Equipment used will depend on the magnitude and location of the spill. Where safe, disposal will be done through controlled in-situ combustion ONLY with the approval of government authorities and under strict supervision. In-situ compustion can be initiated using a portable propane torch (tiger torch). Highly flamable materials such as gasoline may be used to promote ignition of less flamable spilled products. The objective of this is to raise the temperature for sustained combustion of the spilled product.*

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

*Two spill kits will be on site, one will be at the fuel drum cache and the other will be in the campsite.*

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

*We estimate that we will need about 60 – 200 L drums of aviation fuel, about 20 drums (or less) of diesel and/or gasoline and up to 10 – 100 lb propane bottles.*

*Fuel will be stored in sealed 200 L drums. Drums will be stored in a depression on a sandy esker, lying on their sides with bungs at 3 o'clock and 9 o'clock positions. All bungs will face in the same direction for easy inspection. Drums will be stored in single rows with walking distance between rows. The will be inspected every second day for any seepage.*

*Please see spill contingency above.*

## WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

*There is a small lake ~ 100 m to the west of the proposed camp site. If water quality is acceptable, it will likely be used for water.*

27. Estimated demand (in L/day * person).

- ⊘ Domestic Use: *10 – 20 L/day* Water Source: *see above*
- ○ Drilling Units: _____ 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? Describe:

*Small pump with a mesh screen over the intake.*

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

*Yes, one (1) sample will be taken when mobilizing the camp. Further samples will be taken if deemed necessary. Tests will be conducted with a field test kit and will be standard water examinations for various types of coliform bacteria.*

30. Will drinking water be treated? How?

*Depending on test results, drinking water will be boiled or chlorinated, as necessary.*

31. Will water be stored on site?

*Yes, there will be some sort of small containers (food grade garbage pails or small tank (200L) at the campsite for daily, domestic use only.*

## WASTE TREATMENT AND DISPOSAL

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

- ⊘ Camp Sewage (blackwater)

*A latrine pit will be constructed in the sandy esker >100 m from any water and treated with chloride of lime; estimated 1 to 2 gallons per day of waste will be generated, depending on the number of people in camp at any given time.*

- ⊘ Camp Greywater

*A sump pit will be dug in sandy esker material >100m from any water source and grey water(estimated between 50 and 150 L per day) will be dumped into this pit.*

- ○ Solid Waste *N/A*
- ○ Bulky Items/Scrap Metal *N/A*
- ○ Waste Oil/Hazardous Waste *N/A*
- ○ Empty Barrels/Fuel Drums

*All empty barrels, fuel drums etc. will be removed (shipped off site). Number of drums will be variable – they will be shipped out as soon after use as is possible (i.e. on return food flights, etc.)*

- ○ Other: *N/A*

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

*A fire pit will be dug into sandy esker material or a modified 200 L drum will be used and flammable material (food waste, paper waste products, etc.) will be burnt on site. Highly flammable material (such as gasoline) may be added to aid in combustion. Remains will be removed and flown to an acceptable storage site (approved municipal or city garbage dump).*

34. Where and how will non-combustible waste be disposed of ? If in a municipality in Nunavut, has authorization been granted?

*Remains will be removed and flown to an acceptable storage site (approved municipal or city garbage dump). We will confirm with our expediters (Peter's Expediting of Baker Lake) as to the best location for this and obtain authorization from the appropriate authorities.*

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

*All sumps, garbage pits, latrine pits etc will be kept as far from water bodies as possible and will be more than 100 m from any water. We will also keep them as far from camp as possible. Sumps and other pits will be as large as, but no larger than, necessary – the greywater sump is likely to be 2m x 2m x 1.2m or similar dimension.*

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

*N/A*

## OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? ***Yes.***

What known O&M problems may occur? What contingency plans are in place?

*Please refer to "**CONTAINMENT FUEL SPILL CONTINGENCY PLANS" Section 23, Above***

## ABANDONMENT AND RESTORATION

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

*The planned campsite is a sandy, vegetation-free esker. The camp will be dismantled and it and all materials, fuel drums etc. removed and site restored to original condition at the end of the field season. All rubbish and waste material will be removed. All holes and sumps will be infilled.*

*Photographs of the campsite will be taken before, during and after.*

## 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:

*No baseline data has yet been collected. Plans will be made to do so, as necessary.*

## REGULATORY INFORMATION

40. Do you have a copy of

- √ Article 13 - Nunavut Land Claims Agreement
- √ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- √ NWB - Interim Rules of Practice and Procedure for Public Hearings
- √ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- √ NWTWB - Guidelines for Contingency Planning
- √ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- √ Fisheries Act - s.35
- √ RWED - Environment Protection- Spill Contingency Regulations
- √ Canadian Drinking Water Quality Guidelines
- √ Public Health Act Camp Sanitation Regulations
- √ Public Health Act Water Supply Regulations
- √ Territorial Land Use Act and Regulations

You should consult the above document, guidelines, and legislation for compliance with existing regulatory requirements.