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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: David Duggan

Licence No: _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: **David Duggan** Tel: **011.44.207.251.7668** Fax: **011.44.207.253.8468**
E-mail: **Duggan@windfallfilms.com**

2. Project Manager: **Kristina Obradovic** Tel: **011.44.207.251.7668** Fax: **011.44.207.253.8468**
E-mail: **Kristina@windfallfilms.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. **N/A**

5. Duration of the Project

☐ One year or less Start and completion dates: **July 22nd – August 1st, 2012**

☐ Multi Year:

If Multi-Year indicate proposed schedule of on site activities

Start: _____ Completion: _____

CAMP CLASSIFICATION

6. Type of Camp

☐ Mobile (self-propelled)

☒ Temporary - **This will be a temporary camp**

☐ Seasonally Occupied: _____

☐ Permanent

☐ Other: _____

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7. What is the design, maximum and expected average population of the camp? **This camp will consist of six people for two weeks. There will be 6 personal tents and one larger (10'x10') cook tent.**

8. Provide history of the site if it has been used in the past. This site has not been used in the past.

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

* map attachment #1

Latitude: (N 77 09 33.44) Longitude: (W 86 09.57.04)

This proposed campsite is 100m from the nearest flowing water and on gravel, not tundra. In addition, it is not near any animal migration routes.

Care will be taken to conduct all camp activities far enough from the water source to avoid contamination while still avoiding delicate tundra. Bedrock walls extend for miles from the valley and these will be used for locomotion as well as toilet activities.

This camp will be recorded before and after photographically to document minimal impact such as removal of tent marks, rock pile, waste, etc.

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 campsite is within walking distance of bedrock that may contain fossils of interest. Geological maps and aerial photographs were consulted to find a place with access to fresh water and said rocks that was reasonably close to an airstrip that can accommodate a Twin Otter to get us in and out of the field. The site has not been used previously. Assistance from the Regional Inuit Association Land Manager was not sought. The rocks interest are colored green, blue and tan in the geological map below.

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

☒ Crown Lands Permit Number (s)/Expiry Date: It is located on Crown Land Permit #.

☐ Commissioners Lands Permit Number (s)/Expiry Date: _____

☐ Inuit Owned Lands Permit Number (s)/Expiry Date: _____

12. Closest Communities (direction and distance in km): Resolute Bay, due South, 220km

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work? **Yes. We contacted the Resolute Bay Hunters & Trappers Association and Resolute Bay Hamlet with a letter of introduction and an overview of our proposed work for the summer.**

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?

No, the project will not have impact on the traditional water use areas by nearby communities, nor will it impact local fish and wildlife habitats.

PURPOSE OF THE CAMP

15. ☐ Mining (includes exploration drilling)
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
 (Omit questions # 16 to 21)
☒ Other Fossil Survey

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: Fossil Survey

17. Type of deposit (exploration focus):

- ☐ Lead Zinc
☐ Diamond
☐ Gold
☐ Uranium
☒ Other: Fossil Fishes

DRILLING INFORMATION

18. Drilling Activities

- ☐ Land Based drilling
☐ Drilling on ice

☒ No power tools.

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 attached. (Attachment 2)

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

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets. **We will have one 5-gallon propane tank for cooking. No other fuel will be used for the duration of the project.**

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources. **Tucker River, Grinnell Peninsula, Devon Island**

27. Estimated water use (in cubic metres/day): **0.5 cubic meters/day**

☐ Domestic Use: Water Source: **Tucker River**

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:

Water will be taken from the river using a 5-gallon plastic jug by hand.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency? **Water will not be treated.**

30. Will drinking water be treated? How? **Drinking water will not be treated.**

31. Will water be stored on site? **No.**

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater) **Toilet areas will be made 100m + from the water source-in bedrock---to prevent contamination. They will be clearly marked. Scot single-ply toilet paper (approved for septic systems in environmentally sensitive areas) will be used and burned on a rock before burying in active soil layer on site. Great care will be taken not to disturb tundra or contaminate water sources.**

☒ **Camp Greywater** Greywater will be created by washing dishes. Minimal quantities of biodegradable soap will be used. Food scraps will be strained out and packed out with our trash at the end of the season. The strained water will be deposited 100m. from the water source to prevent contamination.

☒ **Solid Waste** Solid waste will be collected and packed out at the end of the field season. We will leave no solid waste behind.

☐ **Bulky Items/Scrap Metal** N/A

☐ **Waste Oil/Hazardous Waste** N/A

☐ **Empty Barrels/Fuel Drums** N/A

☒ **Other:** We will be using a generator to charge batteries for our film crew's camera, sound equipment and cell phones. We will bring 2 plastic 5 gallon gas cans with us for the generator and will bring these with us when we leave.

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

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

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

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

Our methods of low-impact camping are based off of the Parks Canada Guidelines. We take special care to protect the fragile ecosystem by practicing No Trace Camping. Solid waste will be packed out. Tents will not be pitched on tundra so as to avoid damaging the fragile environment with tent impressions. Rock piles will be minimized and dismantled at the end of the camp. We will photograph the area before making camp and after breaking camp to ensure that we leave not trace of our stay.

ABANDONMENT AND RESTORATION

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

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: _____

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*
- ☐ NWNSTRA – *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*