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NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: Starfield Resources Inc. Licence No: _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: _____ Tel: _____ Fax: _____ E-mail: _____
2. Project Manager: Robert Krause Tel: 604-608-0400 Fax: 604-608-0344
email: info@starfieldres.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.
5. Duration of the Project
[] Annual
[X] Multi Year:
If Multi-Year indicate proposed schedule of on site activities
Start: March 15, 2001 Completion: Ongoing

CAMP CLASSIFICATION

6. Type of Camp
[] Mobile (self-propelled)
[] Temporary
[] Seasonally Occupied: _____
[X] 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?
Camp is designed for 40 persons; however, usage will be 11 to 15 persons
8. Provide history of the site if it has been used in the past.
Ferguson Lake Lodge Camp is on a long term lease from KIA

CAMP LOCATION

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

Located on island – Ferguson Lake Lodge

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.

Camp was chosen due to its proximity to work areas and is a permanent camp, therefore minimizing environmental impact.

11. Is the camp or any aspect of the project located on: *Long term lease with KIA*
- | | |
|--|--------------------------------------|
| <input type="checkbox"/> Crown Lands | Permit Number (s)/Expiry Date: _____ |
| <input type="checkbox"/> Commissioners Lands | Permit Number (s)/Expiry Date: _____ |
| <input type="checkbox"/> Inuit Owned Lands | Permit Number (s)/Expiry Date: _____ |

12. Closest Communities (distance in km):

Rankin Inlet – 220 kilometers

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

Yes - previous application

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

PURPOSE OF THE CAMP

15. ☒ **Mining**
☐ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
☐ Other _____ (Omit questions # 16 to 22)
16. ☐ Preliminary site visit
☒ **Prospecting Summer**
☒ **Geological mapping**
☒ **Geophysical survey**

➊ **Diamond drilling**

- ☐ Reverse circulation drilling
- ☐ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
- ☐ Other: _____

17. Type of deposit:

- ☐ Lead Zinc
- ☐ Diamond
- ☐ Gold
- ☐ Uranium
- ☐ *Other: Nickel, Copper, Platinum, Palladium, Cobalt*

DRILLING INFORMATION

18. Drilling Activities

- ➋ **Land Based drilling**
- ☐ Drilling on ice

19. Describe what will be done with drill cuttings?

Drill cuttings will be collected in filters with return water

20. Describe what will be done with drill water?

Drill water will be filtered and cleaned and then returned to the land

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.

See previous submission

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

No – shipped to analytical laboratory

SPILL CONTINGENCY PLANNING

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

At each point of fuel storage or transfer Matasorb will be utilized and located at each location on site spill kits are located.

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

Matasorb will be located at the bulk storage with the diamond; gas will be transferred at bulk storage.. 5 spill kits 1) at bulk storage 2) all other sites of fuel transfer ie. Heating stoves, generators, etc.

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

45 gallon drums located in bulk storage; 700 drums

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Ferguson Lake

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

④ Domestic Use: Camp 4000L/day Water Source: *Ferguson Lake*
④ Drilling Units: 36 L/minute Water Source: *Ferguson Lake*
○ 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:

Yes – mesh screen to prevent entrapment of fish on a suction pump

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 is filtered and passed through an ultraviolet purifier

31. Will water be stored on site?

A 1000 gallon (4000 L) storage indoors for cooking and showering

WASTE TREATMENT AND DISPOSAL

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

☒ Camp Sewage (blackwater)

A propane toilet will be utilized to burn to ash all black water

☒ Camp Greywater

Greywater is filtered, drained on to land 400 m from nearest water.

☒ Solid Waste

Burnable products will be burned; Non-burnables will be transported to Rankin Inlet

☒ Bulky Items/Scrap Metal

Transport to Rankin, Baker, Thompson or Yellowknife depending on plane destination

☒ Waste Oil/Hazardous Waste

Will be burned in incinerator or if no appropriate for burning, transport to Rankin Inlet

☒ Empty Barrels/Fuel Drums

Transported back to Rankin Inlet, Baker Lake, Thompson or Yellowknife

☐ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?
1000 gallon tank, chimney spark arrested cleanout door

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

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

Summer – leach field 1000 feet from water;; Winter - pond – leaching field 1000 feet from nearest water.

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency? *No*

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?

Yes

ABANDONMENT AND RESTORATION

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

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:

Baseline studies conducted summer 1999 – Report following on completion

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.