

**EXPLORATION/ REMOTE CAMP
SUPPLEMENTARY QUESTIONNAIRE**

Applicant: _____ **Licence No:** _____

(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: Ben Hubert Tel: (403) 256-0017 Fax: (403) 256-1228
2. Project Manager: Mark Balog Tel: (403) 265-2846 Fax: (403) 232-1421
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
☐ Annual
☒ Multi Year:
If Multi-Year indicate proposed schedule of on site activities
Start: Jan 1, 2005 Completion: Dec 31, 2006

CAMP CLASSIFICATION

6. Type of Camp
☐ Mobile (self-propelled)
☐ Temporary
☒ Seasonally Occupied: Exploration Camp
☐ Permanent
☐ Other: _____
7. What is the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?

25-40 people with April 1 to November 30 being the peak period.
8. Provide history of the site if it has been used in the past.

The Meliadine West camp was built in 1995-1996 by WMC International Ltd. It was used as an exploration camp for surface work on the property through 2003, with extensive summer and winter work from 1996-1999. Upgrades to the camp were ongoing through this time period.

CAMP LOCATION

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

Camp is located on an esker on the south shore of Meliadine Lake at Latitude 63°01'30" and Longitude 92°10'20".

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.

Site selected based on topology and proximity to exploration area in consultation with KIA. The site had not been previously used for an exploration camp.

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

☐ Crown Lands Permit Number (s)/Expiry Date: _____
☐ Commissioners Lands Permit Number (s)/Expiry Date: _____
☒ Inuit Owned Lands Permit Number (s)/Expiry Date: **KVCL102J168, 10/03/05**

12. Closest Communities (distance in km):

Rankin Inlet, 25 km

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

Consultation has been ongoing since 1995.

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 (**Exploration**)
☐ 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

18. Drilling Activities
☒ Land Based drilling
☒ Drilling on ice
19. Describe what will be done with drill cuttings?
The drill cuttings from ice-based drilling are collected for removal to the Municipal Dump at Rankin Inlet. All land-based drill cuttings are collected in a sump, which is either a natural depression or a dyke, that is temporarily deployed, both of which trap the drill cuttings and allow the water to drain away. The drill cuttings are then re-habilitated with peat moss and fertilizer.
20. Describe what will be done with drill water?
Winter Drilling - all drilling fluids will be pumped to sumps on shore. All land based drilling fluids will be treated in sumps to collect cuttings, allowing the water to drain into the surrounding landscape.
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.
CaCl, EZ-Mud
22. Will any core testing be done on site? Describe.
No

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.
See Spill Contingency Plan (May 2004) appended to this application.

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

One spill kit at each diesel and Jet fuel tank location. There are also spill kits at each operating drill (maximum of four).

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

See Environmental Management System appended to this application (May 2004)

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

Meliadine Lake for Camp and ice drilling, numerous small ponds for land based drilling on the Tiriganiaq Zone. Pump Lake, Peg Lake, Woody Lake and Wolf Lake for ice-based drilling away from the Tiriganiaq Zone (see attached map).

27. Estimated demand (in L/day * person): **(based on 50 people in camp)**

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Domestic Use: <u>5000 l/day</u> | Water Source: <u>Meliadine Lake</u> |
| <input checked="" type="checkbox"/> | Drilling Units: <u>75,000 l/day</u> | Water Source: <u>Meliadine Lake + small lakes & ponds</u> |
| <input type="checkbox"/> | 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:

Submersible pump with filtered intake.

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

Drinking water conditions and treatment procedures have been reviewed with the local environmental health officer (Mr. Fred O'Brien) who is comfortable with the measures and is capable and prepared to respond with testing if/when required.

30. Will drinking water be treated? How?

Water is periodically chlorinated.

31. Will water be stored on site?

Yes, there are four 305 gallon (1,368 litre) tanks in the dry used for showers, laundry and washing. There are two 325 gallon (1,477 litre) tanks in the kitchen used for cooking and cleaning. These are filled from Meliadine Lake as the demand requires.

WASTE TREATMENT AND DISPOSAL

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

- ☐ Camp Sewage (blackwater)

Incineration

- ☐ Camp Greywater

Sump

- ☐ Solid Waste

Incineration/Rankin Inlet Municipal Dump

- ☐ Bulky Items/Scrap Metal

Rankin Inlet Municipal Dump

- ☐ Waste Oil/Hazardous Waste

Rankin Inlet, Oomilik Construction

- ☐ Empty Barrels/Fuel Drums

Damaged barrels taken to Rankin Inlet for use as Municipal garbage pick-up barrels, small % of good barrels still used.

- ☐ Other: _____

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

Westlund, 120 lbs/hour waste burn.

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

Rankin Inlet Municipal Dump. Authorization for 2004 attached (2005 pending).

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

2m x 2m x 1.2m sump, 4500 litres per day (peak), see location on attached map.

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?

In use since 1996 at present location.

ABANDONMENT AND RESTORATION

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

See Abandonment/Decommissioning Plans included with attached EMS (May 2004).

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: _____

See bibliography attached.

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.