P.O. BOX 119 kNK5 wmoEp5 vtmpq GJOA HAVEN, NU X0B 1J0 NUNAVUT WATER BOARD TEL: (867) 360-6338 NUNAVUT IMALIRIYIN KATIMAYINGI FAX: (867) 360-6369 OFFICE DES EAUX DU NUNAVUT

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** E-mail: **benhubert@shaw.ca**

2 Project Manager: **Mark Balog** Tel: **403 265 2846** Fax: **403 232 1421** E-mail: **mbalog@comaplex.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:
Multi Year: **YES**

If Multi-Year indicate proposed schedule of on site activities
Start: **Feb 15, 2007** Completion: **Feb 15, 2009**

CAMP CLASSIFICATION

6. Type of Camp

Mobile (self-propelled)
Temporary
Seasonally Occupied: EXPLORATION CAMP
Permanent
Other:_____

7 What is the design, maximum and expected average population of the camp? **Design 75, Maximum 50 during peak periods - June to end September**

8 Provide history of the site if it has been used in the past. **The Meliadine West camp was built in 1995-86 by WMC International Ltd. It has been in continuous operation since then. Comaplex took the camp over in 2004. Comaplex has upgraded and maintained the camp in good repair without altering its maximum capacity of 75 people. No significant changes to the camp are anticipated over the lifetime of this permit.**

CAMP LOCATION

9 Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies. **The camp is located on an esker on the south shore of Meliadine Lake at Lat 63°01'30" and Longitude 92°10'20". Please see attached maps.**

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 site was selected for its proximity to the main drill target, its central location for the entire property, and its access to water resources (Map 2).**

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, expiry July 1, 2007, see attached list of permits**

12 Closest Communities (direction and distance in km): **Rankin Inlet, 25 km SE, see attached Map 1**

13 Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work? **Continuous annual consultation 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 (includes exploration drilling)**

16. Activities (applicable are **bolded**)

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 (exploration focus):

Lead Zinc
Diamond

☒ **Gold**
Uranium
Other: _____

DRILLING INFORMATION

1. Drilling Activities
   ☒ Land Based drilling
   ☒ Drilling on ice

2. Describe what will be done with drill cuttings?
The cuttings from drills on lakes with fish populations are collected in a bladder for removal to a land based depression. 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.

3. Describe what will be done with drill water?
Winter Drilling - all drilling fluids on lakes with fish populations will be removed to sumps on shore. All land based drilling fluids will be collected in sumps to collect cuttings that allow the water to drain into the surrounding landscape.

4. 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

5. Will any core testing be done on site? Describe.
No

SPILL CONTINGENCY PLANNING

6. Does the proponent have a spill contingency plan in place? Please include for review.
See Spill Contingency Plan (under revision, Jan 2007) appended to this application.

7. How many spill kits will be on site and where will they be located?
One spill kit at each diesel and Jet fuel refuelling location. There are also spill kits at each operating drill and around camp at incinerator, generators, storage sheds.

8. 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 (under revison, Jan 2007)

WATER SUPPLY AND TREATMENT

9. Describe the location of water sources.
Meliadine Lake for Camp and winter drilling, numerous small ponds for land based drilling on the main drill targets near camp.

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

- ☒ Domestic Use: 5000 l/day Water Source: Meliadine Lake
- ☒ Drilling Units: 75,000 l/day Water Source: Meliadine Lake + small lakes & ponds
- ☐ Other: _____ Water Source: _____

11. 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.

12. 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 who is comfortable with the measures and is capable and prepared to respond with testing if/when required.

13. Will drinking water be treated? How?

Water holding tanks and distribution piping are periodically chlorinated.

14. 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

15. 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: _____

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

Westlund, 120 lbs/hour waste burn, almost all garbage and sewage products incinerated onsite.

17. 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 2007 pending.

18. 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, 5000 litres per day (peak), see location on attached map.

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

N/A

OPERATION AND MAINTENANCE

20. 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. No problems of note, used in spring (March to May) without issues. Backup pump and hose available in camp should main pump fail.

ABANDONMENT AND RESTORATION

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

See Abandonment/Decommissioning Plans included with attached EMS (under revision, Jan 2007).

BASELINE DATA

22. 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

23. 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; Updated 2000