

**EXPLORATION/ REMOTE CAMP  
SUPPLEMENTARY QUESTIONNAIRE**

**Applicant:** \_\_\_\_\_ **Licence No:** \_\_\_\_\_

(For NWB Use Only)

**ADMINISTRATIVE INFORMATION**

1. Environment Manager: Jo Price Tel: (780) 437 6624 Fax: (780) 439-7308
2. Project Manager Jo Price Tel: (780) 437 6624 Fax: (780) 439-7308
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: March 2011 Completion: Sept. 2016

**CAMP CLASSIFICATION**

6. Type of Camp  
☐ Mobile (self-propelled)  
☐ Temporary  
☒ Seasonally Occupied: **Exploration Camps (Hayes Camp, Bullion camp, Crater Lake Camp and Ingot 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?

**Hayes Camp**

Proposed upgrade to Hayes camp to 100 person camp, to operate 7 diamond drills and 2 RC drills, upgrade the current airstrip to length to 3000'. Install a new WWTP, WTP and Sludge Press at Hayes Camp. Install a clear Span bridge at Hayes Camp. Continue to use a temporary winter ice strip on Sandspit lake for Herculaes mobilization, and a temporary winter road route to the Three Bluffs site.

**Ingot, Bullion or Crater Camps**

1-7 geological personnel, 1 cook, 1 pilot, 1 engineer,  $\pm$  10 drill crew, and 2 camp personnel when required. Max = 25 per camp at one time when drilling.

8. Provide history of the site if it has been used in the past.

Hayes Camp – operation since 1994

Crater Lake Camp – operational since 1997

Bullion camp – since 2004

Ingot Camp – since 2005

All used as geological base camps, seasonally when required.

## CAMP LOCATION

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

Camps are located on eskers close to lake shores.

Locations are in UTM, Nad 83 Zone 15

	Easting or Latitude	Northing or Longitude
Bullion Camp		
UTM	494850	7363850
DD	66o23'30"	93o07'30"
Herc Strip Cache		
UTM	564271	7393425
DD	66o39'10"	92o32'41"
Hayes Camp		
UTM	564613	7394173
DD	66o39'30"	91o33'11"
Ingot Camp		
UTM	516500	7386100
DD	66o35'40"	92o37'34"
Inuk Camp		
UTM	677781	7478788
DD	67o22'19"	88o51'21"

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.

Sites were selected on the basis of location, proximity to exploration areas, relatively flat ground, and geology.

11. Is the camp or any aspect of the project located on:
- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Crown Lands       | Permit Number (s)/Expiry Date: <u>N2009C0018 May 21, 2012</u><br><u>N2009C0019 May 21, 2012</u>       |
| <input type="checkbox"/> Commissioners Lands          | Permit Number (s)/Expiry Date: _____  |
| <input checked="" type="checkbox"/> Inuit Owned Lands | Permit Number (s)/Expiry Date: <u>KTL306C031 January 4, 2011</u><br><u>KTL305C004 January 4, 2011</u> |
12. Closest Communities (distance in km):
- Kugaaruk to Hayes Camp – 220 km  
Repulse Bay to Hayes Camp – 235 km  
Rankin Inlet to Hayes Camp – 430km
13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?
- Yes
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?

All land-based drill cuttings are pumped to 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. Ice based drill cuttings will be collected in tanks and removed to land based sump, see attached plan

20. Describe what will be done with drill water?

All land based drilling fluids will be treated in sumps to collect cuttings, allowing the water to drain into the surrounding landscape. Ice based drill water will be tanks and pump to a suitable land based depression and allowed to drain. See attached plan

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.

550x Polymer, Linseed Soap, Big Bear Diamond Rod Grease

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

Core will be moved to the nearest camp to be cut or mechanically split and sampled.

## **SPILL CONTINGENCY PLANNING**

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

See attached Spill Contingency Plan

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

Three large spill kits will be positioned around the main fuel cache. A smaller kit will be placed at each of the operating drills, the generator shack, with each piece of heavy equipment, the incinerator and the helicopter pad (i.e. wherever fuel is transferred or stored). See Fuel Management Plan

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

See attached Corporate and Social Responsibility Plan and Spill Contingency Plan

## **WATER SUPPLY AND TREATMENT**

26. Describe the location of water sources.

All camps are located close to lakes and numerous small ponds and lakes will be used for land based drilling.

27. Estimated demand: (based on max 40 people in camp, and max 25 in supplementary camp)

- ☒ Domestic Use: up to 50m<sup>3</sup> per day Water Source: local camp lakes  
☒ Drilling Units: 35m<sup>3</sup> per day per diamond drill Water Source: small lakes & ponds  
☒ Other: Temporary winter road\_ Water Source: local lake

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:

Land-based pump with filtered intake.

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

Yes, samples will be taken to monitor various types of coliform bacteria . This will be done on mobilization to the camps, during our occupation and upon de-mobilization. We also used a separate UV filter to treat drinking water.

In addition, we propose to install a new waste water treatment plant that uses UV filters to treat drinking water, as well as biologically treats all grey water and sewage.

30. Will drinking water be treated? How?

Water will be lightly chlorinated, and a UV filter is used on all drinking water at Hayes Camp

31. Will water be stored on site?

Yes, there will be 6 250 gallon tank located at each camp for domestic use.

## WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for: **see attached environmental procedures plan**

- ☒ Camp Sewage (blackwater)  
Contained and incinerated in Pacto toilets, and treated in new WWTP when installed
- ☒ Camp Greywater  
Sump and in new WWTP with installed
- ☒ Solid Waste  
Incineration/shipped off site
- ☒ Bulky Items/Scrap Metal  
shipped off site
- ☒ Waste Oil/Hazardous Waste  
Waste oil and Hazardous waste will be shipped off site intended for a registered disposal company, or burned in our proposed used oil furnace to heat the new shop.
- ☒ Empty Barrels/Fuel Drums  
shipped off site
- ☐ Other: \_\_\_\_\_

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

The camp incinerator will be a forced-air, diesel fired system mounted to a metal skid. Blackwater, solid waste will be incinerated with this equipment.

We propose to install a new large and compliant double chambered incinerator with electronic monitoring systems.

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

All inert non-combustible waste shipped off site will be disposed of in the appropriate municipal/city dump.

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

One sump between the kitchen and dry with dimensions of 3m x 3m x 1.2m (10.8m<sup>3</sup>),

more than 100 m from surface water.

Once the new WWTP and incinerator are installed and operational, the old sumps will be allowed to drain fully, then filled in with esker material.

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 1994 and 1997 at present locations. No problems reported.

## **ABANDONMENT AND RESTORATION**

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

See Corporate and Social Responsibility Plan and A&R Plan attached

## **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. 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.