

Name of the Plan

Northern Networks Ltd.
Abandonment & Restoration Plan

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Table 2-1 Campsite Structures to be Left On-Site in a Short Term Temporary Closure (Less than One Year)

Structure Type	New or Existing Structure	Approximate Dimensions	Number
Core Shack	New	20ft x 30ft	1
Geologist's Office w/ existing core shack	Existing	34ft x 20ft	1
Drill Foreman Office	Existing	14ft x 16ft	1
Kitchen	Existing	30ft x 16ft	1
First Aid	Existing	14ft x 16ft	1
Generator Room	Existing	10ft x 10ft	1
Dry	Existing	34ft x 20ft	1
Sleeper (insulated tent accommodation)	Existing	16ft x 20ft	6
Sleeper (insulated tent accommodation)	New	14ft x 16ft	5
Outhouse	Existing	9ft x 9ft	1
Pacto Toilets	New	9ft x 9ft	2

1. Introduction

Northern Networks Ltd was incorporated under the laws of the NWT/Nunavut and presently leases two (2) hectares for a camp and landing strip on two Inuit Owned Land parcel AR-27/65H located at Henik Lake, Nunavut. .

The camp is located between the narrows separating North Henik Lake and South Henik Lake, approximately 120 miles west of the community of Arviat. The camp is utilized for big game hunts, fishing and camp and equipment rental to exploration companies.

Northern Networks Ltd. presently holds a Kivalliq Inuit Association (KIA) Commercial Lease KVCL102J256 ermitting a camp for multiple use (with airstrip). The Lease is valid until June 14, 2012.

This Spill and Contingency Plan is in support of any activities conducted by and shall be in effect when approval is obtained by the appropriate authorizing agencies, and is subject to revisions as may be necessitated.

1.1 Expected Environmental Impacts of Campsite and Exploration Activities

Little environmental impact is anticipated from the use of the Henik Lake Campsite. The proposed camp area was chosen because it will avoid any additional surface disturbance in the area as there is am existing airstrip at the location. During the winter shut-down, the camp will be winterized.

2. CAMP & EXPLORATION OPERATIONS

The following details maintenance that is completed on a continuing basis throughout the land use operation, seasonal closures, and temporary shutdowns.

2.1 Campsite

The camp will be maintained in a tidy and orderly fashion. Upon arriving at the camp, all staff will be trained in camp rules such as the Spill Contingency Plan, camp operations, and waste management.

In the case of short term temporary shutdown (less than a year), all portable wooden structures (survival shacks, generator shacks, etc.) will be stored in the campsite area and all portable equipment will be stored in sheds and locked up. The kitchen will be inspected and all food will be removed to decrease the potential for attracting animals. The kitchen, dry and insulated tents will be closed and battened down. All garbage will be incinerated or removed to an approved municipal discharge site in Arviat.

Final inspections of all areas of the site will be conducted prior to the commencement of work and at the end of the camp's operational period to ensure these sites have been reclaimed as much as possible to its previous condition. Soil samples and pictures before and after the project will be collected to ensure proper records are kept.

Tables 2-1 and 2-2 show the building and equipment inventory to be left on site in a temporary closure.

2.2 Fuel Storage

All fuel storage and handling is guided by the procedures set out in the Spill and Contingency Plan. Empty drums used during the camp activities and will be regularly rotated out of camp by fixed wing aircraft in order to be re-filled and then returned to camp during annual winter resupply programs as necessary. Any empty drums that are deemed not fit to hold fuel are back hauled to Arviat and disposed of at approved facilities.

2.3 Campsite Sewage Disposal

Pack toilet systems will be used at the campsite. These toilets require no electricity, water, or sewage system. A flush foil system is used to encapsulate the waste which is then incinerated daily. In the case of temporary shutdown, all encapsulated waste bags will be removed and incinerated prior to shutting down the camp.

2.4 Solid Waste

All camp and kitchen wastes will be incinerated daily in the camp incinerator. Any waste that cannot be incinerated will be stored in barrels and shipped to Kugluktuk and/or Yellowknife for disposal. In the case of temporary shutdown, all waste will either be incinerated or removed.

There will be a comprehensive waste segregation strategy designed to reduce and control the volumes of wastes produced. This strategy includes the separation of non-food waste items suitable for storage and subsequent transport to Kugluktuk and/or Yellowknife for disposal or recycling.

A dual chamber, forced-air incinerator will be operated to ensure complete combustion of wastes. Appropriate training will be provided to all personnel working with and in the vicinity of the incinerator.

The following solid waste will be separated for transport to Kugluktuk and/or Yellowknife for disposal and recycling (i.e. not to be incinerated):

- Waste wood treated with preservatives such as creosote, pentachlorophenol
- Heavy metal solutions should not be burned
- Plastics
- Electrical wire
- Asbestos and building demolition wastes (except clean wood)
- Other solid wastes that may be deemed hazardous

2.5 Waste Oil

Waste oil volumes from the camp and related activities will be incinerated or used for heating purposes.

Waste oil volumes from the camp and related activities will be less than 0.01 cubic metres per week. Waste oil will be flown back to Arviat used for heating purposes.

2.6 Hazardous Waste

No hazardous waste will be produced.

2.8 Drill Cores and Sumps

All drill cores are collected and will be stored within the drill-core area of the camp. Water used during the drilling will be disposed of in natural depressions or sumps, at least 100m from the high water mark of any water body.

2.9 Water Intake

The water intake will be located at Henik Lake using a 'hose & float system' which will suspend the intake pipe on the water surface with the intake located on the float. The intake end of the pipe will be equipped with a screen to avoid fish entrapment. The screen size will be determined following the calculations outlined in DFO's Freshwater Intake End-of-Pipe Fish Screen Guidelines. In the case of temporary shutdown, the water intake pump will be shut off.

2.10 Helicopter Landing Pad

The helicopter landing pad will be regularly inspected to ensure there is no debris around the area. A drip pan and spill kit is located at the landing pad to be used while re-fuelling the helicopter. In the case of temporary shutdown, all debris will be cleared from around the helicopter pad.

2.11 Generator

The generators will receive regular maintenance. The generator shack will be equipped with a drip pan, spill kit, and absorbent matting should there be a spill of gas while filling the generator. In the case of temporary shutdown, the generators will be turned off, and the shack will be closed and locked.

3. FINAL ABANDONMENT AND RESTORATION

The final abandonment and restoration plan provided below includes the time frame, discussion about the camp, discussion regarding fuel storage and re-fuelling areas, grey water disposal, solid waste disposal, waste oil and hazardous wastes disposal, bulky items. In addition, the section discusses abandonment and restoration at drill sites, the water intake system, the helicopter landing pad and generators.

3.1 Time Frame

The camp will be from 2-6 weeks each year depending on demand. We will be applying for a 10 year extension to our existing commercial lease. Once the projects are terminated or campsite relocation becomes necessary, the following procedures will be followed to allow for proper abandonment and restoration of the project area.

3.2 Camp

When the camp is no longer required all structures erected, temporary buildings, machinery, equipment, materials, fuel drums, storage containers, and any other items used in connection with the camp will either be burned or removed from the site. The disturbed areas will be stabilized and restored as close as possible to a pre-disturbed state. The buildings existing prior to occupying the campsite will remain in place.

3.3 Fuel storage and re-fuelling areas

Upon closure all fuel drums will be removed and the non-reusable drums will go to Arviat land fill. The containment system will either be removed or re-contoured. If there is any fuel contamination resulting from activities the contaminated materials will be removed, the area will be stabilized and restored as close as possible to a pre-disturbed state.

3.4 Grey-water Sump

At time of closure all camp sumps will be backfilled, re-contoured, stabilized, and restored as close as possible to a pre-disturbed state.

3.5 Solid Wastes

At the time of closure most wastes will be incinerated. Any waste that cannot be incinerated will be placed in barrels and removed to the Arviat landfill. The soil under and around the incinerator will be sampled for metals and hydrocarbon contamination.

3.6 Waste Oil

All waste oil will be removed to a disposal site in Arviat.

3.7 Hazardous Waste

There will be no hazardous materials on the project site.

3.9 Bulky Items

Scrap metal in the form of drums and miscellaneous metal will be removed from site. All scrap will be removed from the project site as backhaul on supply flights.

3.10 Water Intake

Upon closure the water intake pipe, float and pump will be removed, and backhauled with other equipment headed for Arviat.

3.11 Helicopter Landing Pad

Upon closure all debris around the helicopter landing area will be removed.

3.12 Generators

Upon closure the generator shacks will be removed from the site. The area around shack will be sampled for fuel contamination. If there is any fuel contamination resulting from activities the contaminated materials will be removed, the area will be stabilized and restored as close as possible to a pre-disturbed state.