



## **ABANDONMENT and RESTORATION PLAN**

**Kagloryuak River and Burns Lake Areas  
Victoria Island  
Nunavut**

Abandonment and Restoration Plan prepared February 22, 2011.

## **Table of Contents**

	Page
1. Preamble.....	3
2. Introduction.....	3
3. Schedule.....	3
4. Infrastructure.....	4
5. Seasonal Shutdown.....	4
6. Final Abandonment and Restoration.....	5

## **Maps and Photos:**

General area map  
Northern Camp Map  
Northern Camp Photo  
Southern Camp Map  
Southern Camp Photo  
Mud Strip equipment and Equipment Photos

**Kagloryuak River and Burns Lake Areas  
Victoria Island  
Abandonment and Restoration Plan**

**1. Preamble**

This Abandonment and Restoration (A&R) applies to the work areas and campsites that have been utilized by Diamonds North during their 2002-2005 exploration programs in the Kagloryuak River and Burns Lake areas of Victoria Island, Nunavut. It also applies to all ongoing work conducted in this area in conjunction with the application for a renewal to our current Water Licence, NWB 2BETAH 0611, our current Land Use Permit from DIAND ( N2008C0012, expiring June 23, 2012) and a renewal application recently sent to the KIA to obtain access to Inuit Owned Lands. This A & R Plan has been screened previously by **NIRB under File # 08EN018** and approved. Questions or concerns regarding this Plan can be directed to Graham Gill, V.P. Operations, Diamonds North Resources Ltd. at 604 689-2010 (Phone) or 604 484-7143 (Fax).

**2. Introduction**

This A&R plan has been prepared for two temporary campsites located within the project area on NTS Mapsheet 77F (see maps provided) and for the restoration of both the camps and a temporary airstrip located 5 kilometres south of the Tuktu (northern) camp.

The first site (northern or Tuktu Camp) is located on a north-south trending esker on the west side of the Tuktu River in Nunavut at coordinates 566950E 7856970N NAD 83 Zone 12 (70° 48.5'N 109° 10'W). This temporary camp is located approximately 270 kms northwest of Cambridge Bay and is serviced by Twin Otter aircraft with a landing strip located 5 kilometres to the south of camp. Crew and supplies have been ferried between the strip and camp via helicopter in the past. The camp currently consists of six 14'x16' sleep tents, one office tent, a core shack, one dry, one first aid tent, a kitchen tent, one outhouse, one generator shack and has accommodated up to 20 people in the past. This camp has been operating from the end of May through mid September in the years 2002-2005.

The second camp (southern) is located at 70° 17'N, 109° 05'W along the southern shores of a large lake approximately 200 kms northwest of Cambridge Bay. This camp was used in the spring of 2002 and consists only of 3 wooden structures that will be removed.

The project has involved early stage till sampling, prospecting, airborne and ground geophysics and diamond drilling on both sides of the Nunavut/Northwest Territories border which is located 30 kilometres to the west of the northern Tuktu camp. Plans for 2011-2012 will be a direct continuation of the earlier work completed but will include **only** abandonment and reclamation work.

### **3. Schedule**

The final restoration of the camp sites will begin near the end of July, 2011 or 2012 when the strip utilized is dry enough for landing upon. Currently Diamonds North has a valid land use permit (N2008C0012) for work in Nunavut that allows for all activities that comprise the abandonment and reclamation program proposed. Currently the company also has a valid Water Licence for work in Nunavut (NWB2TAH0611) which is valid until March 31<sup>st</sup>, 2011 which a renewal is being applied for. Other fuels, equipment, salt that is located at the airstrip will be removed in the spring of 2011 or 2012.

As Diamonds North practices progressive reclamation such as filling drill sumps, cutting off drill collars to ground level, backfilling trenches and removing garbage, equipment and empty fuel drums as the program progresses, the final restoration effort will be minimal and will take 2-3 weeks in the spring and one week during summer months.

### **4. Infrastructure**

#### **Northern Camp**

Six 14' x 16' wooden sleep tents  
One 32' x 14' kitchen tent  
One 14' x 16' dry  
One 14' x 16' first aid tent  
One 14' x 16' office tent  
One outhouse  
One generator shack  
One heli-pad  
One incinerator  
One fuel cache with Spill Kit

#### **Southern Camp**

Three 14' x 16' wooden sleep tents

### **5. Seasonal Shutdown**

#### **Buildings and Contents**

All canvas tents have been removed from site. Wooden structures (generator shack, latrine and tent frames) are secured. Camp equipment has been stored in 3 plywood sided tent frames.

#### **Water System**

Pumps and hoses have been drained and dismantled. Pumps have been removed from site for servicing and storage. Hoses are stored in the dry or generator shack for the winter months but will be removed.

## **Fuel Caches and Chemical Storage**

An inventory of all fuel caches has been made prior to camp demobilization. Full and empty drums will be backhauled to Cambridge Bay during the reclamation and abandonment portion of the program.

Chemicals stored in the dry (which is completely enclosed by plywood and secured) will be moved.

## **Waste**

Combustible Waste: During restoration, all combustible waste will be incinerated. All ash will be collected and disposed of in landfill site in Cambridge Bay. The **approved incinerator** will be removed from site.

Non-combustible Waste: All non-combustible waste will be sent to Cambridge Bay via chartered aircraft to be disposed of by our contract expeditor, Kitnuna Corporation or Wilf's Expediting Services. All carriers and receivers of this material will be informed of the need to register with the Government of Nunavut, Department of Environment as well as having the proper documentation in the form of a waste manifest. More details of this information can be found in Appendix IV of the company's Fuel Spill Contingency Plan.

Grey Water Sump: The sump will be inspected and backfilled.

Black Water: The latrine sump will be buried at the time of demobilization of the camp.

## **Drill and Trench Sites**

N/A as no drilling or trenching to take place.

## **Contamination Clean Up**

Any soil at camp or at the drill sites that has become contaminated will be treated as per the Fuel Spill Contingency Plan. All non-combustible waste will be sent to Cambridge Bay via chartered aircraft/ cat-train to be disposed of by our contract expeditor, Kitnuna Corporation or Wilf's Expediting Services. All carriers and receivers of this material will be informed of the need to register with the Government of Nunavut, Department of Environment as well as having the proper documentation in the form of a waste manifest. More details of this information can be found in Appendix IV of the company's Fuel Spill Contingency Plan.

## **Inspection and Documentation**

A complete inspection of all disturbed areas (drill sites, trenches, camps and fuel caches) will be conducted prior to closure of the project with a full inventory taken for each location. A photographic record will be kept of each work area and campsite before, during and after the project is complete.

## **6. Final Abandonment and Restoration**

## **Buildings and Contents**

All buildings and structures will be dismantled and removed. Wooden structures will be burned and ashes sifted to retrieve non-burnable items which will be removed from site (nails and screws, etc.).

## **Equipment**

All equipment including generators and pumps will be removed from the project site.

## **Fuel Caches and Chemical Storage**

All fuel drums and chemical containers will be removed. All sites that contained fuel cached will be inspected and any contamination will be dealt with according to the Fuel Spill Contingency Plan. All debris will be removed. Final photos of fuel caches will be supplied.

## **Sumps**

All sumps will be inspected and backfilled. Final photos will be taken and supplied to any regulatory jurisdiction.

## **Camp Site**

A final inspection of the camp sites will be made to ensure no waste remains. Final photos to be supplied.

## **Drill and Trench Sites**

Photographs of each drill and trench site will be taken at the completion of clean up at each site. **This has already been done and submitted in Annual reports.**

## **Contamination Clean Up**

Any contamination will be treated as per the Fuel Spill Contingency Plan. Any contamination and subsequent clean up will be documented with photographs. All non-combustible waste will be sent to Cambridge Bay via chartered aircraft/ cat train to be disposed of by our contract expeditor, Kitnuna Corporation or Wilf's Expediting Services. All carriers and receivers of this material will be informed of the need to register with the Government of Nunavut, Department of Environment as well as having the proper documentation in the form of a waste manifest. More details of this information can be found in Appendix IV of the company's Fuel Spill Contingency Plan.

## **Aircraft Landing Strips**

The aircraft landing strip used to service Tuktu camp in the northern portion of the project area and known as Mud Strip is a large compacted area of sand and fine clay and is utilized only in

July and August when the ground is hard and dry. Some shallow rutting has occurred in the past but natural freeze thaw cycles have essentially kept the surface rut free. Any rutting that remains will be backfilled upon final project abandonment. The camp in the southern portion of the project area is only utilized in the spring. A & R for this camp will only be done by chopper.

### **Inspection and Documentation**

A complete inspection will be conducted of all areas prior to closure. Photographs will be taken to document the conditions of each site prior to final demobilization for use in the final plan/report. All appropriate agencies will be contacted once final clean up is complete.