



TRUE NORTH GEMS

Spill Contingency Plan

Crook's Inlet
Area Prospecting
Permits Nunavut

Preamble

This Spill Contingency Plan (Plan) will be effective from July 20 to August 31 2008 and will be revised and modified as required for the prospecting activities of the following years.

1.0 Introduction

This document provides True North with predetermined lines of response and detailed actions to be taken in the event of unforeseen circumstances during ongoing exploration and contingency measures to minimize potential health and safety hazards, environmental damage and clean up costs. It helps promote environmental awareness and safety. This Plan is a living document and will be amended as required to accommodate change. Notification will be made to the appropriate authorities once changes have been made.

The Plan outlines the site specific information, responsibilities of the Spill Response Team, reporting procedures, action plans for the different contaminants and MSDS information for all hazardous materials on-site. This Plan is designed for petroleum products, chemical products, grey water and sewage spills on land, water, ice, snow and muskeg. The petroleum products and hazardous materials that potentially will be used during the course of exploration and will be considered in this Plan include:

Gasoline

Propane

This document complies with existing regulations to ensure protection of the environment. It is the policy of True North to initiate this Plan when it is clearly associated or likely to be associated with spilled contaminants.

The Plan will be posted at all fuel and hazardous material sites in plain view for reference during spill response. Copies will also be distributed to personnel designated with spill response duties. All exploration staff, contractors and visitors to the site will be given summary instructions for spill response as part of the field orientation procedures.

2.0 Site Information

2.1 General Site Description

True North acquired eight prospecting permits in the Crook's Inlet and Beaumont Harbour area in February 2008, which are located about 60km NW of Kimmirut. Exploration activity will commence during the second half of the summer season of 2008 and will be restricted to mineral prospecting and sample collecting.

The project area is accessible by sea or air, the bulk of the camp equipment will be likely mobilized by air and subsequently moved by sea as the work progresses.

2.2 Site Specific Facility Description

The temporary camp will consist of one main office and dinning tent (8x12') as well as smaller personal sleeping tents. We will be using a small (1000W) gasoline-powered generator to power our electronic and recharge our communication equipment and other instruments.

2.2.1 Petroleum Storage and Transport

Gasoline will be stored in 20L military fuel canisters that will be also used as fuel tanks for the boats and generator to eliminate the need to transfer. The canisters will be stored at least 30m away from the ordinary high water mark of any water body. A maximum of 400L will be stored on-site as a reserve for the larger boat that will be used to resupply our camp in food and supplies from Kimmirut. The canisters will be filled in Kimmirut and never poured or transferred in the field; adapters are being used to directly use the canisters as gasoline tanks for the boats and generator.

Any spills will be reported to the Project Manager or designate as described in the Spill Contingency Plan. A spill kit will be located at the fuel cache and all personnel will be properly trained in fuel handling procedures.

2.2.2 Greywater and Sewage

Grey water and sewage pits will be dug for each camp locations and backfilled 10-12 days later when the tent camp is moved.

2.2.3 Garbage Storage and Disposal

Any garbage created from day to day activities will be stored in bear proof containers

and returned to Kimmirut for disposal in the Kimmirut municipal landfill. Other garbage such as scrap metal will be properly disposed of at the landfill. Items will be recycled when possible and where facilities exist.

3.0 Response Organization

3.1 Spill Response Team

A spill of any kind will be reported to the Project Manager, Site Manager or designate. All spills, within reason, will be reported to the **24 Hour Spill Report Line (867-920-8130)**. Spills that are easily cleaned up without the use of a spill kit or activation of the spill Response Team do not have to be reported to the 24 Hour Spill Report Line, however should be recorded as an inventory of all spills will be kept for review by any inspector or agency representative (See Appendix 4 for the Record of Spills Log).

The spill response team will consist of the Project Manager, Site Manager or designate and approximately 2 to 4 individuals that are available on-site to assist in spill response.

The responsibilities of the Project Manager, Site Manager or designate are to report, contain, clean, and dispose of contaminated materials by carrying out the following duties:

1. Assume complete authority over the spill scene and coordinate all personnel involved. In the absence of the Project Manager, a designate, under the direction of the Project Manager, will be given authority.
2. Evaluate the spill situation and develop an overall plan of action.
3. Activate the Plan.
4. Report the spill to the 24 Hour Spill Report Line, Indian and Northern Affairs (INAC) Water Resources Officer and company officials immediately. Contact consultants and contractors as needed. Section 3.2 below lists the contact information for all emergency contacts.
5. Obtain additional manpower, equipment, and material if not available on site for spill response.
6. Submit a report detailing the event of the spill to the INAC Water Resources Officer within 30 days of the event. The reporting requirements will include the completion of *NWT Spill Report Form* (Appendix 3).

3.2 Emergency Contacts

The following names are responsible for activating the Plan, listed in order of authority:

1. Greg Davison VP Exploration and Project Manager True North Gems:

Vancouver Office: (604) 687-8055 ext 104 Cell Phone:
(778) 991-5500

2. Luc Lepage, Site Manager

Baffin Island Site Office/Warehouse: (867) 939-2345

Baffin Island House Phone: (867) 939-2174

3. True North Gems Inc. Head Office (Suite 500-602 West Hastings St, Vancouver BC V6B 1P2): (604)-687-8055

4.0 Reporting Procedure

True North will have available, on site, a satellite telephone for emergency purposes. The location of the phone will be made available to personnel on site. Phones will also be available in Kimmirut at the True North office/storage facilities and crew accommodations. The following is the sequence of events that will be carried out to ensure an expedient response to a spill:

1. Following a spill the Project Manager, Site Manager or designate must be notified **Immediately** by phone or in person
2. Fill out the *NWT Spill Report Form* (Appendix 3) as completely as possible before calling the **24 Hour Spill Report Line (867) 920-8130**.
3. Report the spill to the 24 Hour Spill Report Line, **INAC Water Resources Officer ((867) 975-4298)** and company officials immediately. Consultants and contractors will be contacted to supply resources, expertise and advice to manage the situation. The contact numbers are listed Section 4.1 below.

4.1 Emergency Contacts

Regulatory Agencies

1. **24 Hour Spill Report Line Phone (867) 920-8130** Fax (867) 873-6924
2. INAC Water Resources Inspector (867) 975-4298 Fax (867) 975-4585
3. Department of Environment General Inquiries Phone (867) 975-5900
4. Environment Canada Environmental Enforcement Officer (867) 975-4644 Jimmie Noble (Iqaluit)
5. Environment Canada (867) 920-5131
6. Fisheries and Oceans (Iqaluit) (867) 979-8007 Tanya Gordanier, Derrick Moggy, Habitat Impact Assessment Biologist/Habitat Management Biologist)
7. Department of Environment, Government of Nunavut (Iqaluit) (867) 975-7700
8. Helicopter - Canadian Helicopter (Iqaluit) (709) 686-2095, Universal Helicopter (709) 896-3541
9. RCMP Kimmirut Detachment (867) 939-0123
10. Fire Emergency (867) 939-4422
11. Nursing Station/Health Center (867) 939-2217
12. Hamlet of Kimmirut (867) 393-2247
13. Nunavut Water Board (867) 360-3663 Fax (867) 975-5981
14. Nunavut Impact Review Board (867) 983-2593
15. WCB (867) 669-4409
16. Regional Land Administrator, Baffin, (867) 897-3619
17. Planning & Lands Administrator, Hamlet of Kimmirut (867) 939-2251 (direct)/2247
18. Manager Pollution Control & Air Quality, Environmental Protection, Government of Nunavut (867) 975-4550 Fax (867) 975-5981
19. INAC Land Administration Minister, Nunavut Regional Office (867) 975-4280 Fax (867) 975-4286
20. Kimmirut Municipal Landfill (867) 939-2256 Interim Foreman Bobby Barrieau

5.0 Action Plans

For all contaminant spills, the first person(s) to the spill site should take the following actions:

- Stop work, be alert and ensure your safety as well as the safety of others first;
- Assess the hazards to people in the vicinity of the spill site;
- Assess the nature, status, measures to be taken and any other applicable information about the spill site;
- When safe to do so, stop the flow of the spilled contaminant and try to minimize the potential for environmental impacts;
- Report the spill to the Project Manager, Site Manager or designate immediately so the reporting procedures can begin;
- Resume safe actions to contain, recover, clean up and dispose of the spilled contaminant;
- Record all information and take photos (if possible); and
- If required, continue to monitor the site after remediation to ensure that there have been no further environmental impacts.

There are specific tasks to take depending upon the contaminant type. The specific actions, based on contaminant type, are listed below. If it is safe to do so, stop the source of the flow and eliminate any open flame ignition sources. **NEVER smoke** when handling hazardous materials, especially when dealing with some chemicals, gasoline, aviation fuel and propane as vapours can form, ignite and explode.

Contaminated enviro pads and other absorbents can be disposed of in the Kimmirut municipal landfill. The landfill is open 24 hours a day and has a location for burning or disposal of fuel contaminated products. The Interim Foreman, Bobby Barrieau, can be contacted at (867)-939-2256.

5.1 Fuel Spills (Diesel, Gasoline, Oil)

On Land (gravel, rock, soil and vegetation)

- Build a containment berm using absorbents, soil material, snow or containment device that will contain the spill and prevent its spread
- Use absorbents to soak up any contaminant; place the spent absorbents in a labelled leak proof container such as an empty drum until incineration or disposal
- Contaminated soil, gravel and vegetation, where appropriate, should be disposed of at an approved facility

On Muskeg

- Do not deploy personnel and equipment on marsh or vegetation
- Remove pooled oil with absorbent pads
- Flush with low pressure water to divert oil to collection point
- Burn in localized areas if feasible and safe. Do not burn if root system can be damaged due to low water table
- Minimize damage caused by equipment and excavation

On Water

- Contain spill by deploying booms to encircle spilled contaminant
- Absorbent pads and skimmers can be used to capture spills

On Rivers and Streams

- Build a berm or trench if possible to prevent entry into the water
- Intercept moving slicks in quiet areas using booms in order to clean
- Do not use booms and pads in fast currents
- Collect any vegetation along banks and remediate

On Ice and Snow

- Build a contaminant berm using snow and booms or absorbent pads
- Use absorbents to soak up any contaminant; place the spent adsorbents in a labelled leak proof container such as an empty drum until incineration or disposal
- Scrape and shovel ice and snow into a labelled leak proof container such as an empty drum until disposal

All contaminated material will be stored in sealed, labelled and leak proof containers in a designated area away from incompatible material until contaminants can be properly disposed.

5.2 Propane Leaks

Vapours from a leaky propane bottle cannot be contained. If it is safe to do so turn off the propane supply and remove any sources of ignition from the immediate area. Stay away from the ends of the tank in case of explosion. Avoid touching the release point on the tanks as frost forms rapidly. Water spray can be used to reduce vapours only if there is NO risk of ignition. Properly dispose of damaged tank and do not re-use.