Spill Contingency Plan
Beluga Property
Kimmirut, Nunavut
March 2006

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.

2.0 Site Information

2.1 General Site Description

The project is located 2.7 kilometres from the town of Kimmirut on Baffin Island Nunavut (See Attached Map). The work area is within the NAIPI and NAIPI 2 claim boundary (not including pending claims as of issuance of this Plan) defined by the following coordinates:

UTM Coordinates	Lat/Long coordinates
NAD83, Zone 19, Map Sheet 025K13	69 º 54'30" W, 62 º 50'31" N
453 730 E, 6 968 300 N	69 º 51'40" W, 62 º 50'30" N
456 150 E, 6 968 240 N	69 º 54'31" W, 62 º 48'00" N
453 660 E, 6 963 640 N	69 º 51'40" W, 62 º 48'00" N
456 080 E, 6 963 640 N	

2.2 Site Specific Facility Description

2.2.1 Petroleum Storage and Transport

Due to the proximity to town, fuel storage on-site will be minimal. The following outlines the types and approximate amounts that will be present at any given time at the work site.

Gasoline, stored in (23L or 5 gallon) gallon jerry cans – 5 jerry cans total
Diesel fuel, stored in 45 gallon drums – 2 drums total
Hydraulic fluids, stored in 4 litre - 20 litre plastic containers – ~5 gallons

A fuel spill kit will be kept at the drill site at all times and with other sources of fuel. Several bags of bentonite will be available in case of cleanup.

3.0 Response Organization

3.1 Spill Response Team

A spill of any kind will be reported to the Project Manager. Spills equal to or greater to the amount set out in "Schedule B in Environmental Protection Act: Consolidation of Spill Contingency Planning and Reporting Regulation (R.R.N.W.T 1990), will be reported to the **24 Hour Spill Report Line (867-920-8130).**

The responsibilities of the Project Manager/Site Manager 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/Site Manager, will be given authority.
2. Evaluate spill situation and develop overall plan of action.
3. Activate spill contingency plan.
4. Immediately report the spill to regulatory agencies, company officials, consultants and contractors listed Section 4.0 below. Report the spill to the INAC Water Resources Officer (867) 975-4298 after calling the **24-hour Spill Report Line (867) 920-8130.**
5. Obtain additional manpower, equipment, and material if not available on site for spill response.
6. Submit a report on the spill incident to regulatory agencies within 30 days of the event. The reporting requirements will include the completion of NWT Spill Report Form (Appendix A).

4.0 Emergency Contacts

Regulatory Agencies

1. **24-hour Spill Report Line Phone (867) 920-8130** Fax (867) 873-6924
2. Department of Environment General Inquiries Phone (867) 975-5900
3. INAC Water Resources Inspector (867) 975-4298
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 or Derrick Moggy, Habitat Impact Assessment Biologist/Habitat Management Biologist)
7. Helicopter - Canadian Helicopter (867) 686-2095, Universal Helicopter (709) 896-3541
8. RCMP Kimmirut Detachment (867) 939-1111
9. Fire Emergency (867) 939-4422

10. Nursing Station/Health Center: (867) 939-2217
11. Hamlet of Kimmirut (867) 393-2247
12. Nunavut Water Board: (867) 360-3663
13. Nunavut Impact Review Board: (867) 983-2593
14. WCB: (867) 669- 4409

True North Management

1. Greg Davison VP Exploration and Project Manager True North Gems:
   Baffin Island Site Office/Warehouse (867) 939-2345
   Baffin Island House Phone: Not in service until field season; will advise
   Vancouver Office: (604) 687-8055 ext 104
   Cell Phone: (250) 368-1600
2. Site Manager (To be Determined):
   Baffin Island Site Office/Warehouse: (867) 939-2345
   Baffin Island House Phone: seasonal use; will advise
   Beluga Project Sat Phone: (403) 987-8574 seasonal use; will advise
3. President True North Gems: Greg Fekete (Whitehorse): (867) 668-4405
4. True North Gems Inc. Head Office (Suite 500-602 West Hastings Street, Vancouver BC V6B 1P2): (604)-687-8055

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;
- Asses 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 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 Gasoline, Jet B Aviation Fuel and Propane as vapours can form, ignite and explode.

Contact the appropriate authorities for proper disposal methods and sites.

5.1 Fuel Spills (Diesel, Lubricating and Hydraulic Oil, Gasoline, Jet B Aviation Fuel)

On Land (gravel, rock, soil and vegetation)

- Build a contaminant 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 leakproof 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 herd 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 absorbents in a labelled leakproof container such as an empty drum until incineration or disposal
- Scrape and shovel ice and snow into a labelled leakproof container such as an empty drum until disposal

All contaminated material will be stored in sealed, labelled and leakproof containers in a designated area away from incompatible material until contaminants can be properly disposed. Talk to the appropriate authorities for disposal methods and sites.

6.0 Inventory and Locations

The locations of fuel spill kits are contained within the area shown on the map and are currently stored at True North's warehouse in Kimmirut. The drill will be making frequent moves as the drilling program progresses. There will always be a spill kit at the drill.

The spill kit at the drill contains (2 - 20LPails):

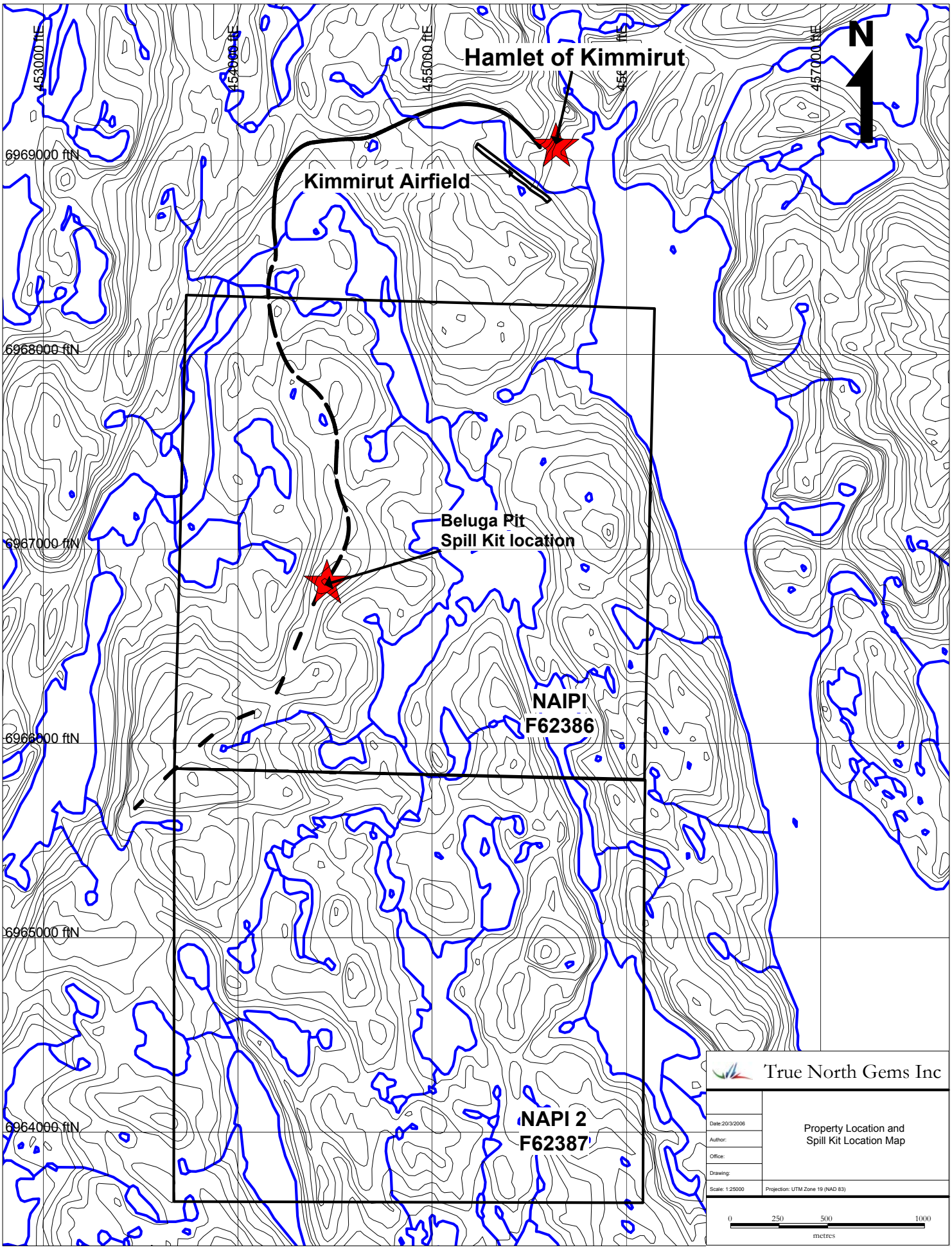
- Garbage bags
- Absorbent mats
- Gloves
- Glasses
- Boom socks

True North spill kits contains

- Garbage bags
- Absorbent mats
- Gloves
- Glasses
- Boom socks
- 1 container that is equal to or larger than the largest container will be kept on site. This container will be used to replace any existing container showing signs of leakage.
- Extra environmental absorbent mat

7.0 Personnel and Training

All employees on site also will be trained for initial spill response in the event of a spill. An abbreviated version of the plan, including contact names and numbers, will be posted for all exploration staff and visitors to the site as well as orientation in detail as part of the field orientation procedures. All employees will be trained in the safe operation of all machinery and tools to help prevent hazardous material spills.


Hamlet of Kimmirut
Kimmirut Airfield
Beluga Pit
Spill Kit location
NAIPI
F62386
NAPI 2
F62387
N
453000 ftE
454000 ftE
455000 ftE
457000 ftE
6969000 ftN
6968000 ftN
6967000 ftN
6966000 ftN
6965000 ftN
6964000 ftN
True North Gems Inc
Property Location and
Spill Kit Location Map
Date:20/3/2006
Author:
Office:
Drawing:
Scale: 1:25000
Projection: UTM Zone 19 (NAD 83)
0
250
500
1000
metres

Appendix A: NWT Spill Report Form

Northwest Territories

NWT SPILL REPORT

(Oil, Gas, Hazardous Chemicals or other Materials)

24 – Hour Report Line
Phone: (867) 920-8130
Fax: (867) 873-6924

A Report Date and Time	B Date and Time of spill (if known)	C ☐ Original Report ☐ Update no._____	Spill Number

D Location and map coordinates (if known) and direction (if moving)

E Partly responsible for spill

F Product(s) spilled and estimated quantities (provide metric volumes/weights if possible)

G Cause of spill

H Is spill terminated? ☐ yes ☐ no	I If spill is continuing, give estimated rate	J Is further spillage possible? ☐ yes ☐ no	K Extent of contaminated area (in square meters if possible)

L Factors effecting spill or recovery (weather conditions, terrain, snow cover, etc.)	M Containment (natural depression, dikes, etc.)

N Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials

O Do you require assistance? ☐ no ☐ yes, describe:	P Possible hazards to person, property, or environment; eg: fire, drink water, fish or wildlife

Q Comments or recommendations

FOR SPILL LINE USE ONLY

Lead agency

Spill significance

Lead Agency contact and time

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.....

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Is this file now closed? ☐ yes ☐ no

Reported by	Position. Employer, Location	Telephone
Reported to	Position. Employer, Location	Telephone

ATTN: Bonnie & Peggy

Material Safety Data / Fiche signalétique

WESTCOAST DRILLING SUPPLIES LTD.
8069 River Way, Delta, British Columbia,
Canada V4C 1L3
Ph. (604) 940-6050 Fax (604) 940-6080

Attn: Jim

EMERGENCY 1-800-665-6645

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME:	X-TRA GEL
CHEMICAL FAMILY:	Sodium Montmorillonite
WHMIS CLASSIFICATION:	Class D-2(A)
WORK PLACE HAZARD:	Potential Carcinogen; contains free silica

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION:	Not Dangerous Goods
PACKAGE GROUP:	Not applicable
PRODUCT IDENTIFICATION NUMBER (PIN):	Not applicable

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	PERCENTAGE	CAS NUMBER	OSAH PEL	ACGIH TLV
Bentonite		1302-78-9	5 mg/M	Not applicable
Quartz (Silica)		14808-60-7	10 mg/M	0.1 mg/M
Crystobalite		14464-46-1	10 mg/M	0.05 mg/M
Tridymite		15468-32-3	10 mg/M	0.05 mg/M

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
[ ] Skin, [ ] Eye Contact, [XXX] Inhalation, [ ] Ingestion

ACUTE - SHORT TERM EXPOSURE:	Cough if exposed to dust at levels higher than TLV's.
CHRONIC - LONG TERM EXPOSURE:	May lead to development of silicosis or other respiratory problems if consistently exposed to free silica containing airborne bentonite.

SECTION IV: FIRST AID MEASURES

No first aid measures are suggested for chronic (long term exposure). For acute (short term exposure) remove patient from dusty environment.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOR:	Pale gray to buff powder or granules; Odorless.
DENSITY (SPECIFIC GRAVITY):	2.35
BOILING POINT:	Not applicable
MELTING POINT:	788° C
WATER SOLUBILITY:	Insoluble; forms colloidal suspension.
% VOLATILE BY VOLUME:	Not applicable
EVAPORATION RATE:	Not applicable
VAPOR PRESSURE: (mm Hg)	Not applicable
VAPOR DENSITY: (Air = 1)	Not applicable
pH:	7 - 6

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not applicable
FLAMMABLE LIMIT:	Not applicable

ATTN: BONNIE

WESTCOAST DRILLING SUPPLIES LTD.
8000 River Way, Delta, British Columbia, Canada V4G 1L3
Phone: (604) 940-6050 - Fax (604) 940-6080
Toll Free: 1-800-665-8845

X-TRA GEL

EXTINGUISHING MEDIA:	Not applicable
SPECIAL FIRE FIGHTING PROCEDURES:	Not applicable
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Not applicable

SECTION VII: REACTIVITY DATA

STABLE [XXX] INSTABLE [ ]

INCOMPATIBILITY (CONDITIONS TO AVOID):	None
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur [XXX] May occur [ ]

SECTION VIII: PREVENTATIVE MEASURES

RESPIRATORY PROTECTION:	NIOSH/MSHA approved respirators for silica bearing dust.
VENTILATION:	Yes if particular; Personal air supply may be useful.
PROTECTIVE GLOVES:	None required
EYE PROTECTION:	Suggest goggles
OTHER PROTECTIVE EQUIPMENT:	None required

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid breathing dust; wear an approved respirator. Practice reasonable caution and personal cleanliness. Avoid eye contact.

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:

Vacuum or sweep up if dry. Avoid flushing with water as material may become extremely slippery.

WASTE DISPOSAL METHOD:

Dispose of material in a manner to prevent generating dust.

SECTION IX: PREPARATION

The information contained herein is given in good faith, but no warranty, expressed or implied is made.

DATE ISSUED: November 10, 1988

BY: Product Safety Committee

DATE REVISED: April 1, 2000

Review date: April 7/03

Authorized By: Alan Lelaude