

## **FUEL SPILL CONTINGENCY PLAN**

### **INTRODUCTION**

Tundra Copper Corp has drafted this Fuel Spill Contingency Plan to provide a plan of action for Company personnel to follow should a spill occur. This pertains to exploration activities that are planned for the summer of 2015 field season on the Company's Coppermine project located approx 60 km southwest of Kugluktuk. This plan will be posted at camp and at each drill site where potentially hazardous materials will be used.

### **PROJECT DESCRIPTION**

A small phase 1 exploration program is planned for Tundra Copper's Coppermine District mineral claims for approx 30 days during the summer of 2015. The field crews will be based out of a small temporary camp centrally located to where the bulk of exploration activity will occur on Tundra's Mac claim, near the Hope Lake airstrip. Fuel for the helicopter, drill and camp will be stored in 205 liter drums at the camp in a safe containment area that is bermed and lined with suitable material to prevent seepage into the underlying soil should a spill occur.

Spill kits will be placed at camp and at each site the drill is working on. The kits will contain fuel absorbent pads, booms, heavy duty plastic bags, tarps, empty drum or bucket for collecting contaminated material and hand tools among other items.

### **SPILL PREVENTION AND TRAINING**

Prior to the commencement of the program, all personnel will be given on-site instruction on safety, safe handling of fuel and dangerous goods and this plan of action should an accident occur. The camp manager will ensure that all equipment is in good repair and drip pans and absorbent pads are used with equipment in areas where such leakage may occur. All personnel will be briefed on this Fuel Spill Contingency Plan. All hazardous material spills that are in an amount equal to or greater than the amounts set out in Schedule B (attached) of the Nunavut Spill Contingency Planning and Reporting Regulations will be reported in a copy of the NT-NU Spill Report Form (attached) and will be reported to the 24 Hour Spill Report Line (867-920-8130).

**FUEL SPILL CONTINGENCY PLAN PROCEDURE****Initial Response**

- Ensure safety of all personnel
- Assess spill hazards and risk
- Remove all sources of ignition
- Stop the spill if safe to do so
- Notify camp manager who will coordinate the spill cleanup
- If the spill is at a remote location such as a drill site, the site foreman will report the spill and coordinate cleanup.
- Participate in spill response
- The camp manager will report the spill to the project manager

**Spill Response Team**

- The project manager will report spill to the Spill Report Line 867-920-8130
- Identify the best approach to spill response depending on location (ie. snow, land, ice and water).
- Carry out clean up according to the guidelines set out in this response plan.
- Determine if further assistance or equipment is required.
- Conduct investigation to prevent another such incident.

**Reporting Procedure**

- All personnel on site will have a 2-way radio with which to communicate spills to the camp manager who coordinate cleanup and will report the spill to the project manager.
- All spill kits will have a contact list and Initial Response Procedure Card.
- Project manager will immediately report spill to the 24-hour Spill Report Line as per the Department of Environment's Report All Spills Protocol.
- Further reporting will be filed with the Nunavut Department of Environment as required.

**EMERGENCY CONTACT LIST****24-Hour Spill Report Line****Tel: 867-920-8130****Fax: 867 873-6934**

Tundra Copper Corp head office, Vancouver

Office: 604 669 6446

**OTHER CONTACTS**

Environment Canada, Enforcement Branch

867-975-4644

Government of Nunavut-Department of Environment,  
Manger of Environmental Protection

867-975-7748

Manager of Field Operations, AANDC, Nunavut  
Nunavut Water Board

867-975-4295

867-360-6338

Kitikmeot Inuit Association

867-982-3310

## RESPONSE TO SPILLS

The following procedures describe the recommended action for each environment listed.

### Spills on Land

- Includes spills on rock, gravel, soil and/or vegetation
- Take all measures to prevent spills reaching open water bodies
- Employ trenches, dykes, soil berms to contain spill
- Absorb fuel with absorbent pads
- Isolate contaminated soil and place in barrels, pails, on tarps etc.
- Disposal only authorized by government authorities

### Spills on Water

- Employ booms with absorbent materials built in to contain fuel by creating a circle around the spill. Recover with absorbent pads or pump into barrels or tanks.
- Weirs can be used to prevent further migration of spill downstream. Use plywood, 2x4's or available wood to build weirs and use pads or pumps to remove fuel at the weir.
- Barriers, such as fencing, can be placed across a stream. Spill mopped up with sorbents.

### Spills on Ice

- Employ dikes and trenches, mop up with absorbent pads, shovel contaminated slush into pails, bags, etc.
- Take all measures to prevent fuel from penetrating the thickness of the ice to the water below. If that occurs, cutting blocks of ice with a chain saw or drilling holes with an auger may be required. Once accessible, the fuel may be mopped up with absorbents or pumped into pails, tanks etc.

### Spills on Snow

- Employ dikes and trenches to contain fuel movement
- Shovel contaminated snow/slush or mop up with pads

**NOTE:** In all types of spills, burning the fuel off is an option of last resort only if it can be done safely and only may be done with authorization from the INAC or lead agency inspector.

## SCHEDULE B

(Section 9)

<i>Item No.</i>	<i>TDGA Class</i>	<i>Description of Contaminant</i>	<i>Amount Spoiled</i>
<b>1.</b>	1	Explosives	Any amount
<b>2.</b>	2.1	Compressed gas (flammable)	Any amount of gas from containers with a capacity greater than 100 l.
<b>3.</b>	2.2	Compressed gas (non-corrosive, non flammable)	Any amount of gas from containers with a capacity greater than 100 l.
<b>4.</b>	2.3	Compressed gas (toxic)	Any amount
<b>5.</b>	2.4	Compressed gas (corrosive)	Any amount
<b>6.</b>	3.1, 3.2, 3.3	Flammable liquid	100 l
<b>7.</b>	4.1	Flammable solid	25 kg
<b>8.</b>	4.2	Spontaneously combustible solids	25 kg
<b>9.</b>	4.3	Water reactant solids	25 kg
<b>10.</b>	5.1	Oxidizing substances	50 l or 50 kg
<b>11.</b>	5.2	Organic Peroxides	1 l or 1 kg
<b>12.</b>	6.1	Poisonous substances	5 l or 5 kg
<b>13.</b>	6.2	Infectious substances	Any amount
<b>14.</b>	7	Radioactive	Any amount
<b>15.</b>	8	Corrosive substances	5 l or 5 kg
<b>16.</b>	9.1 (in part)	Miscellaneous products or substances, excluding PCB mixtures	50 l or 50 kg
<b>17.</b>	9.2	Environmentally hazardous	1 l or 1 kg
<b>18.</b>	9.3	Dangerous wastes	5 l or 5 kg
<b>19.</b>	9.1 (in part)	PCB mixtures of 5 or more parts per million	0.5 l or 0.5 kg
<b>20.</b>	None	Other contaminants	100 l or 100 kg

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND  
OTHER HAZARDOUS MATERIALS



## NT-NU 24-HOUR SPILL REPORT LINE

Tel: (867) 920-8130 • Fax: (867) 873-6924 • Email: [spills@gov.nt.ca](mailto:spills@gov.nt.ca)

### REPORT LINE USE ONLY

A	Report Date: MM   DD   YY	Report Time:	<input type="checkbox"/> Original Spill Report <b>OR</b> <input type="checkbox"/> Update # _____ to the Original Spill Report		Report Number:
	Occurrence Date: MM   DD   YY	Occurrence Time:			
C	Land Use Permit Number (if applicable):		Water Licence Number (if applicable):		
D	Geographic Place Name or Distance and Direction from the Named Location:			Region: <input type="checkbox"/> NT <input type="checkbox"/> Nunavut <input type="checkbox"/> Adjacent Jurisdiction or Ocean	
E	Latitude: _____ Degrees _____ Minutes _____ Seconds		Longitude: _____ Degrees _____ Minutes _____ Seconds		
F	Responsible Party or Vessel Name:		Responsible Party Address or Office Location:		
G	Any Contractor Involved:		Contractor Address or Office Location:		
H	Product Spilled: <input type="checkbox"/> Potential Spill	Quantity in Litres, Kilograms or Cubic Metres:	U.N. Number:		
I	Spill Source:	Spill Cause:	Area of Contamination in Square Metres:		
J	Factors Affecting Spill or Recovery:	Describe Any Assistance Required:	Hazards to Persons, Property or Environment:		
K	Additional Information, Comments, Actions Proposed or Taken to Contain, Recover or Dispose of Spilled Product and Contaminated Materials:				
L	Reported to Spill Line by:	Position:	Employer:	Location Calling From:	Telephone:
M	Any Alternate Contact:	Position:	Employer:	Alternate Contact Location:	Alternate Telephone:

### REPORT LINE USE ONLY

N	Received at Spill Line by:	Position:	Employer:	Location Called:	Report Line Number:
Lead Agency: <input type="checkbox"/> EC <input type="checkbox"/> CCG/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> Other: _____			Significance: <input type="checkbox"/> Minor <input type="checkbox"/> Major <input type="checkbox"/> Unknown		File Status: <input type="checkbox"/> Open <input type="checkbox"/> Closed
Agency:		Contact Name:	Contact Name:	Remarks:	
Lead Agency:					
First Support Agency:					
Second Support Agency:					
Third Support Agency:					



