

Mouse Lake Exploration Project

Spill Contingency Plan

Renewal of License 2BE-MOU0608

Effective to October 31, 2011

Prepared By:

David Bent, P. Geol.
V. P. Exploration

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1.0 INTRODUCTION

1.1 Purpose of Plan

The purpose of this Spill Contingency Plan is to provide a plan of action for all spills of hazardous materials that may occur within the Mouse Lake project area or at the camp located at Mouse Lake, Nunavut (Crown Land; Latitude: 67° 05.973' N; Longitude: 114° 44.198' W). This Spill Contingency Plan defines the responsibilities of key personnel and outlines procedures to effectively and efficiently contain and recover spills of hazardous materials.

The exploration program is supported by float plane and helicopter and includes the operation of a diamond drill. Therefore, the principal hazardous materials on site are JetB aviation fuel and P-50 diesel. Lesser amounts of gasoline, propane, lubricants and drill additives are also considered in the plan.

1.2 UNOR Inc. Environmental Policy

It is the policy of UNOR Inc. to fully comply with all applicable *Acts* and *Regulations* to ensure the protection of the environment of Nunavut. UNOR Inc. shall cooperate with other groups committed to protecting the environment and shall ensure that our employees, regulatory authorities and the public are informed on the policies and procedures we have developed to help protect the environment of Nunavut.

2.0 SITE DESCRIPTION

General

This spill contingency plan covers the principal storage and refueling facility at the Mouse Lake camp as well as the fuel handling at the widely separated drill sites within the exploration property. Refueling of the generator, camp heating and propane supply for cooking are also considered under the plan.

2.2 Petroleum Storage and Transport

All fuel supplies for the project are delivered by Twin Otter either directly from Yellowknife or via Kugluktuk.

The principal fuel cache is located immediately east of the Mouse Lake camp in a flat, elevated area in excess of 100 meters from the high water mark. A list of smaller caches (14 – 19 drums) in the area of proposed work will be forwarded to the Environment Protection Officer in Kugluktuk in accordance with Clause 31(1)(k) of the Land Use Permit.

The JetB, P-50 and unleaded gasoline is contained in new 205 l drums supplied directly by Shell and stamped with the Company's name. Each drum is inspected immediately upon delivery to the cache site to ensure that there has been no damage during transport. The initial fuel haul for each season will be completed in early May and will consist of approximately 600 drums JetB, 300 drums P-50, 3 drums unleaded gasoline and 30 cylinders of propane.

There is a separate, floored tent for storage of lubricants and drill additives.

3.0 Potential Spill Incidents and Preventative Measures

3.1 Orientation and Training

All field personnel, upon arriving at the camp will be given a project orientation. This will include:

- . notification of the location of all fuels and applicable MSDS sheets.
- . notification of the location, and use of fuel spill kits and supplies
- . notification of the location of ancillary equipment - shovels, pails, plastic bags, etc
- . instruction in the use of all equipment and supplies.
- . instruction in the reporting of incidents.
- . instruction in the clean-up and proper storage / disposal of contaminated materials

3.2 Leakage from Stored Drums

Drum Storage -Incident

Fuel may leak from improperly sealed drums or damaged drums

Consequences

A fuel spill could occur. This would be a maximum of 205 liters.

Preventive Measures

The fuel cache is inspected daily by trained personnel.

All personnel are instructed to routinely monitor fuel drums and report any problems. Fuel from any suspect drum is immediately pumped to a spare, empty drum.

A fuel spill kit is kept at the fuel cache

A 227 liter capacity spill prevention tray is available for containment of drum contents in emergency cases

3.3 Refueling of Aircraft

Electric fuel pumps are used to refuel the helicopter. Electric fuel pumps are used to refuel the fixed wing aircraft on rare occasions (normally refuel at airports).

Refueling Procedure

Aircrews complete all refueling of their equipment. They are trained in the proper procedures of this operation, and are made aware of the location of fuel spill kit and extra absorbent pads, spill kits and spill trays.

Aircraft Refueling Equipment - Incident

During refueling a hose could break, spring a leak, fall out of the receptacle, or an overfilling of the tank could occur. These failures could result in fuel being spilled at the refueling site.

Consequences

Limited fuel spills could occur, possibly resulting in puddles of fuel.

Preventive Measures

Refueling equipment is routinely examined for integrity by aircrew.

Refueling will be completed only by trained personnel who are aware of emergency shut-off procedures.

Aircrew will constantly monitor refueling process.

Helicopters will be refueled at the fuel cache. This cache is located in excess of 100 m from the ordinary high water mark of any lake or stream.

A spill kit, with additional absorbent pads is stored at the fuel cache.

Refueling of fixed wing aircraft will be constantly monitored by the aircrew. Spill management material will be readily available to the aircrew, including a spill kit and spill prevention tray.

3.4 Refueling of Diamond Drill Equipment

Hand (wobble) pumps are used to transfer diesel fuel from 205 lt drums to fuel tanks, or drums connected to diesel fired heating stoves.

Camp Equipment Refueling - Incident

During refueling a hose could break, spring a leak, fall out of the receptacle, or an overfilling of the tank could occur. These failures could result in minor amounts of fuel being spilled.

Consequences

Limited fuel spills could occur, possibly resulting in puddles of fuel.

Preventive Measures

Refueling equipment should be routinely examined for integrity.

Refueling will be completed only by trained personnel who are aware of emergency shut-off procedures.

Camp attendant will constantly monitor refueling process.

Absorbent pads are kept under all open drums, or drums in use. Taps for supply lines to diesel fired heating stoves are wrapped with a sorbent pad.

Sorbent pads are kept beneath the generator.

3.5 List of On-Site Spill Containment Equipment

Spill Kits

A minimum of three spill kits will be maintained, one at the main fuel cache, a second at the diamond drill site, and a third mobile unit for use at secondary caches. These drums will contain sphagnum adsorbents, absorbent pads, gloves, coveralls and containers for the disposal of contaminated material. A 227 liter spill prevention tray will accompany each of the spill kits for emergency use in the case of a major breach of the integrity of a fuel drum

Sorbent Pads

Sorbent pads or rolls will be kept in good supply. These will be stored where fuels are being used.

Hand Tools

These will be stored for the removal of contaminated material, or the construction of small containment berms.

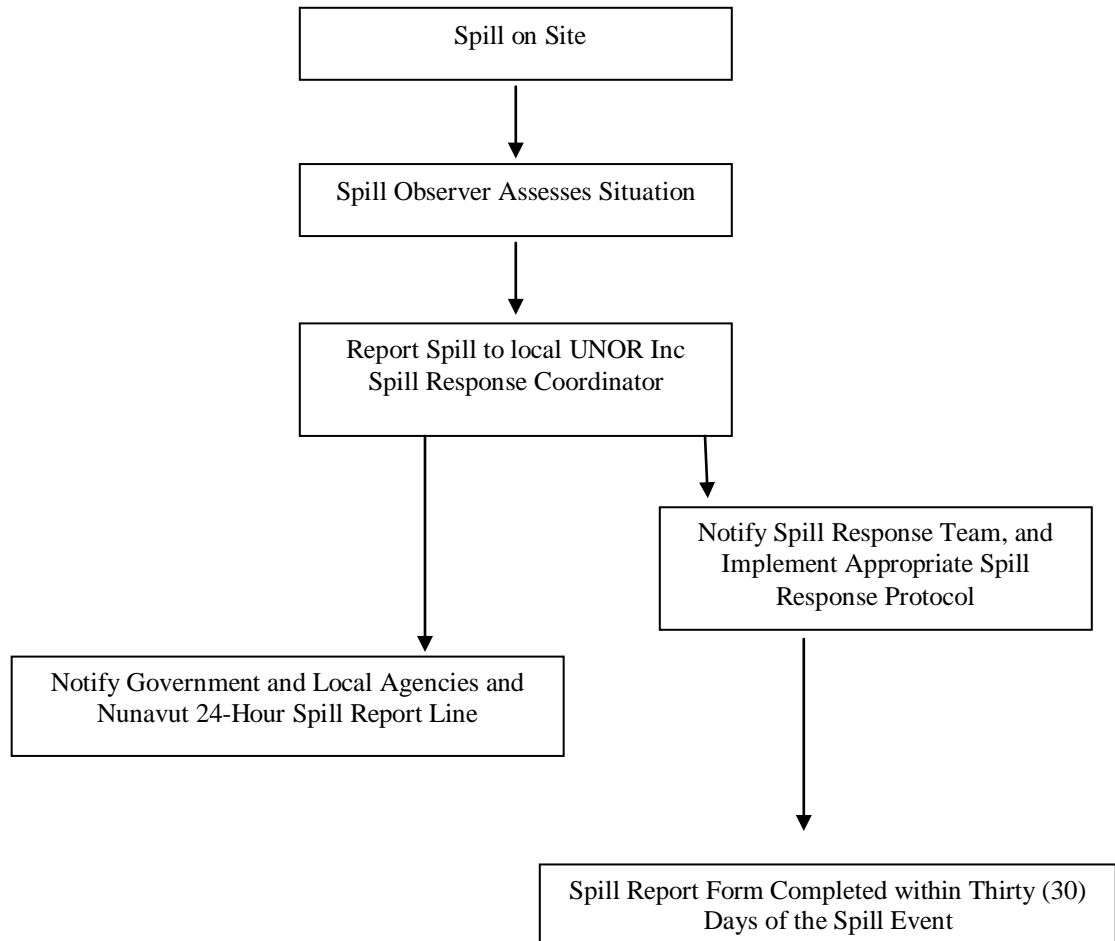
Plastic Pails and Bags

A sufficient quantity of 20 l plastic pails and 20 l plastic sample bags will be stored for the disposal of contaminated material.

4.0 Spill Response Plan

4.1 Events Chart

The following is a flow chart to illustrate the sequence of events in the event of a hazardous material spill incident during the exploration program.



4.2 Spill Response Team

David Bent, or his Designate, will serve as the Spill Response Coordinator for UNOR Inc in the event of a POL spill. He will appoint and train appropriate personnel to make up the Response Team, which will normally consist of the following personnel:

Spill Response Coordinator: David Bent (or Designate)

Site Personnel: Will generally vary from 2 - 4 people throughout the season

The responsibilities of the Spill Response Coordinator are as follows:

Assume complete authority over the spill scene and coordinate all personnel involved.

Evaluate spill situation and develop overall plan of action.

Activate the Mouse Lake Spill Response Plan.

Immediately report the spill to the Nunavut 24-Hour Spill Report Line (867) 920-8130, and the Environmental Protection Officer in Kugluktuk

Obtain additional spill response resources from the town of Kugluktuk if not available on site for spill response.

Provide regulatory agencies with information regarding the status of the clean up activities.

Act as a spokesperson on behalf of UNOR Inc with regulatory agencies, the public and the media; and

Prepare and submit a report on the spill incident to regulatory agencies within 30 days of the event.

4.3 Critical Contacts

Table 1 – Spill Response Plan Emergency Contacts

CONTACT	TELEPHONE NUMBER
INAC (Iqaluit) – Bernie MacIsaac	(867) 975-4290, Fax (867) 979-6445
INAC (Iqaluit) – Andrew Keim	(867) 975-4289 Fax (867) 979-6445
INAC (Kitikmeot) – Melissa Joy	(867) 982- 4308 Fax (867) 982-4307
UNOR (Mouse Lake) – David Bent UNOR (Toronto) – George Bell	001- (881) 621- 421821 (416) 368-0114 Fax (416) 368-0198
Environment Canada (Iqaluit)- Sid Bruinsma Environment Canada (Iqaluit)- Colette Spagnuolo	(867) 975-4644, Fax (867) 975-4594 (867) 975-4639
Environment Protection Officer (Kugluktuk)	(867) 983- 2222
KIA (Kugluktuk) – Stanley Anablak	(867) 982- 3310 Fax (867) 982-3311
NWB (Goa Haven) – Richard Dwyer	(867) 360-6338 Fax (867) 360-6369

4.4 SPILL REPORTING PROCEDURE

The on scene Coordinator must be notified immediately of any spill either by satellite phone, radio, or in person.

The following is the spill reporting procedure:

Report immediately to the 24-Hour Spill Report Line Phone (867) 920-8130, Fax (867) 873-6924;

Report immediately to the INAC Inspector in Kugluktuk at 867-982-4307;

Notify the Environment Protection Officer in Kugluktuk; and

Fill out the Nunavut Spill Report Form within thirty (30) days of the spill event occurring.

5.0 Action Plans

5.1 Initial Action

The instructions to be followed by the first person on the spill scene are as follows:

Always be alert and consider your safety first;

If possible, estimate the volume of material that has been spilled;

Assess the hazard of people in the vicinity of the spill;

If possible, and safety permits, attempt to stop the release of product to minimize potential for environmental impacts;

Immediately report the spill to the On Scene Coordinator; and

Resume any effective action to contain, mitigate, or terminate the flow of the spilled material.

The following are instructions to be followed in the response to various types of spills.

5.2 Remedial Measures: Fuel Spills

If possible, and safety permits, stop the flow of product which is occurring and eliminate all ignition sources. *Smoking is prohibited during all spill response activities.*

5.2.1 Spill on Soil, Gravel, Rock, or Vegetation

Build a containment berm using soil material or snow and place a plastic tarp at the foot of the berm for easy capture of the spill after all vapors have dissipated.

Remove the spill by using absorbent pads or excavating the soil, gravel or snow.

Remove spill splashed on vegetation using particulate absorbent material. If soil, gravel, or vegetation are to be removed from the site, UNOR Inc shall contact regulatory agencies for approval before commencing with the removal.

5.2.2 Spill on Water

Use containment boom to capture spill for recovery after vapors have dissipated.

Use absorbent pads to capture small spills. Use a petroleum skimmer for larger spills.

5.2.3 Spill on Ice and Snow

Build a containment berm around spill using snow.

Remove spill using absorbent pads or particulate sorbent material.

The contaminated ice and snow must be scraped and shoveled into plastic buckets with lids, 20 litre pails, and/or polypropylene bags.

5.2.4 Storage and Transfer

All contaminated water, ice, snow, soil, and clean up supplies will be stored in closed, labeled containers. All containers will be stored in a well ventilated area away from incompatible materials.

5.2.5 Disposal

Contact Federal and Nunavut regulatory agencies to identify appropriate disposal methods before disposing of contaminated material.

6.0 SPILL RESPONSE RESOURCE INVENTORY

6.1 Additional Personnel Available

In addition to the On Scene Coordinator, approximately 20 people are available within the staff of the Hamlet of Kugluktuk, and the Kugluktuk Fire Department, to assist in spill response and clean up activities.

6.2 Spill Response Equipment Inventory Equipment available on site to assist in responding to a hazardous materials spill includes various hand held tools including shovels. In addition to these, one spill kit will be on site during site operations. The spill kit contains the following supplies:

- 1 – 20 litre polyethylene overpack pail
- 1 – oil sorbent boom (5" X 6')
- 15 – oil sorbent sheets (16.5" X 20" X 3/8")
- 1 – Caution tape (3" X 500')

- 1 – 1 lb plugging compound**
- 4 – pair Nitrile gloves**
- 4 – pair Safety goggles**
- 4 – pair Tyvek coveralls**
- 1 – instruction booklet**
- 10 – printed disposable bags (24" X 48")**

TRAINING PROGRAM FOR SPILL RESPONSE

All employees working at the UNOR Inc. will be trained in the safe operation of all machinery and equipment to help prevent hazardous material spills. All employees on site will also be trained for initial spill response in the event of a spill. Annual refresher exercises will be conducted to review the procedures of this Spill Contingency Plan.