

CASP's spill contingency plan for "The Provenance of Clastic Sediments in the Sverdrup Basin, Canadian Arctic Islands" (3BC-PRO).

CASP will have two temporary field camps at: (1) Blind Fiord 78.25°N, 85.50°W, and (2) Trolld Fiord 78.70°N 84.45°W. Only small amounts of fuel (60 litres maximum in total) will be stored or used at these camps. The types of fuel used will be: (1) kerosene (Jet-A1, stored in 4 litre Jerry Cans or 1litre SIGG Fuel Bottles for use with a stove), and (2) methylated spirits (stored in 1litre SIGG Fuel Bottles). The cans and bottles containing the fuel will themselves be stored in sealed plastic sample boxes, further protecting the fuel from any chance of spillage.

Owing to the way in which the fuel will be stored and used there are only three ways in which a possible spill may occur:

- 1) Fuel cans/bottles leaks during storage, and the spilled fuel is held inside the plastic sample box
- 2) Fuel is spilled whilst decanting from a 4 litre Jerry can to a 1litre SIGG Fuel Bottle
- 3) A SIGG Fuel Bottle leaks whilst being moved to the cooking area

This document outlines the organisation and plan for a response, and reporting procedures, following the unlikely event of a spill.

Response Organisation

The team consists of 5 people. Owing to the small size of the team and the small quantities of fuel being stored or used, everyone on the team will take responsibility for dealing with any spills that occur. Everyone on the team will be fully aware of the procedure to follow once a spill has been identified. The first person on site will:

- 1) Ensure their safety and the safety of other people in the area
- 2) Assess the spill situation
- 3) Contact the rest of the team to notify them of the spill
- 4) Begin dealing with the spill

Initial Response

Owing to the way that the fuel will be stored and used, the volume of fuel spilled is highly unlikely to exceed 4 litres, and is far more likely to be less than 1litre. However, the same procedure will be followed regardless of the scale of the spill.

If possible, and safety permits, the flow of fuel will be stopped. All ignition sources will be removed from the area. If fuel is spilled within the plastic sample boxes, it will be decanted into another bottle. Sorbent cloths will be used to soak up any excess fuel or fuel spilled outside of the plastic boxes. Any cleanup supplies or contaminated materials (including soils, snow/ice, clothing) will be stored in a labeled and sealed plastic box. Any boxes of contaminated materials will be stored in a well ventilated area away from incompatible materials.

Reporting Procedure

In the event of a spill, a spill report form (included) will be filled out as completely as possible.

The spill will be reported to the NWT 24 Hour Spill Line at (867) 920-8130 and the water Inspector at (867) 975-4295 as soon as possible, to report the spill and provide initial incident details. A copy of the spill report will be faxed to the NWT Spill Line at (867) 873-6924 on return from the field.

Spill Kit

In the event of a spill, we will have a spill kit available at camp to help us deal with the situation. This will include:

2 PVC oil resistant gloves

1 package of sorbent cloths

2 packages of disposable sorbent tissue paper

1 spare sealable plastic box for containment of contaminated materials