

## **Spill Contingency Plan**

Dome Temporary Camp Alexandra Fiord, 2012

### **a) Name and address of person in charge**

Steven Siciliano

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### **b) Name of employer**

University of Saskatchewan

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### **c) Description of the facility including the location, size and storage capacity and d) a description of the type and amount of contaminants normally stored on the site**

The facility will be a 3 person temporary research camp located on the Dome at Alexandra Fiord (Latitude: ( 78 °51 '33 " N Longitude: (75 °54 '15 " W)). The camp will include three personal sleeping tents and camping (ex. camp stove, pots, chairs, table) and research equipment (ex. shovels, sampling jars, moisture/light meters) . Gasoline for use in running scientific equipment (i.e. Fourier Transform InfraRed-Multicomponent Gas Analyzer) will be kept at the site in plastic jerrycans approximately 5-10L in size. No more than 4 full jerrycans will be kept on site at any given time for a maximum storage capacity of 40 L. Jerrycans will be kept in a secure location where they cannot be displaced/damaged by wind. Tampering of jerrycans by animals is highly unlikely in this polar desert environment.

### **e) Steps to be taken to report, contain, clean up and dispose of a contaminant in the case of a spill**

In case of a spill all researchers on-site will be immediately notified and take part in the clean-up procedure. Protective equipment for those involved in the spill clean-up will be provided (ex. gloves). A spill report form will be filled out and will be submitted to all relevant agencies. The following steps will be used to contain, clean-up and dispose of contaminant in the case of a spill.

#### **Step 1: Stop the spill.**

The leak or spill will be stopped by closing off nozzles from the leaking container and any puncture-type hole will be immediately plugged and gasoline transferred to an intact container.

**Step 2: Contain and recover the spill.**

Any spillage that was not stopped (i.e. flowing liquid) will be caught using a pan, pail or shovel. Synthetic sorbent pads will be available on-site and if necessary will be spread on areas where the leak occurred.

**Step 3: Collect the contaminated sorbent.**

The sorbent material will be removed and put it into buckets or garbage bags. The collected contaminated sorbent material will be kept well away from any ignition sources.

**Step 4: Secure the waste.**

The collected sorbent material will be flown out and will be properly disposed of at PCSP in Resolute.

**f) Site map**



Scale: 1: 50 000

Map: 39E

**g) The name, job title and 24 hour telephone number for the persons responsible for activating the contingency plan**

Steven Siciliano, Professor, University of Saskatchewan, (306) 966-4035

**h) Description of the training provided to employees to respond to a spill**

All researchers on-site will be given training in the steps taken in case of a spill. All researchers on-site will be aware of where the clean-up materials and protective gear are kept.

**i) Means by which the contingency plan is activated**

The contingency plan will be activated immediately in case of a spill by any research at the temporary camp. All researchers that are within visual contact or radio contact will be summoned to assist with spill containment and clean-up.

**j) Inventory and location of response and clean-up equipment available to implement the plan**

Catchment pans, extra empty jerrycans, sorbent pads (minimum 10) and protective equipment will be kept in a clearly labelled spill kit (duffle bag) at the main camp area at a location known to all researchers on-site.

**k) Date of contingency plan**

May 8<sup>th</sup>, 2012.