

SPILL CONTINGENCY PLAN – AMMENDMENT

East Bay, Southampton Island

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Land Use Permit/Reserve: Land Use Reserve #46 A/4-1-2

Site: East Bay Island, Southampton Island

Location: 64°01'47 N, 81° 47'16 W

Person in Charge: Grant Gilchrist, Research Scientist
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Person Responsible for Activating Spill Plan: Camp Crew Leader; will change annually. For 2008: Rob Kelly, telephone number not applicable because the remote camp does not have telephone land lines. Crew leader will notify appropriate agencies via satellite telephone or 2-way radio.

Spill Plan Effective Period: 15 May – 30 August annually

Description:

The site is located on a small granite island in East Bay, Southampton Island. The camp is located at the edge of the small island (800m x 400m). The camp is supplied by twin otter on skis in May, and then by zodiac boat from the south coast of East Bay (4 km away) in July and August. The base camp will consist of a small cabin (~2.5m x 3m), and two canvas tents erected for cooking and equipment storage each year. These structures will rest on cobble-sized stones surrounded by little vegetation (a small amount of moss). There is no obvious watercourse near the base camp- water loss is by evaporation or seepage into the gravel before reaching permafrost.

Fuel (gasoline, kerosene) will be stored near the camp (above the ocean high water line), in small, 25L gerry cans, or in a large, 205L drum. These materials will be located on a flat location, with a small berm built around them in the event of a fuel spill. An emergency spill kit with absorbent materials and protective gloves will be kept at the camp near the fuel storage in the event of a spill (we have had none in > 30 years of high arctic seabird work). When practical, all sumps will be located 30m above the high water line, and will be back-filled, mounded, and contoured to match surrounding landscape prior to leaving the island. Current MSDS will be kept in a central location (the cabin office area) so as to be accessible to all personnel.

To reduce solid waste, packaging of material brought to the island will be kept to a minimum, and will be reused whenever possible.

Spill Kit Contents:

30 Absorbent Pads (Oil, Gas)
15 Universal Absorbent Pads
2 18" x 18" Oil Absorbent Pillows
3 3" x 4' Absorbent Socks (Oil, Gas & Diesel)
6 HD Hazmat Disposal Bags
2 Pairs of Nitrile Gloves
1 Spill Instruction Sheet
1 Laminated List of Contents
1 jar of "Plug N' Dike" hazardous leak sealant

General Actions:

In advance of any possible spill and upon arrival at the field camp, all people at the field site will be made aware of the protocols below, proper protocols for handling, storing, and pouring fuel and the contact information should a spill occur.

In the event of a fuel spill by the cabin;

- Notify research crew leader of the spill and it's location so that they can activate the spill plan
- Do not flush materials into pond
- Ensure berm is performing to stop any movement of fuel
- Spills will be inherently small because little is stored at the site, so use absorbent materials in spill kit to soak up
- Notify Polar Shelf via 2-way radio, and have them notify the Spill Line
- Fill out the Nunavut Spill Report Form (<http://www.nunavutwaterboard.org>)

Contacts:

In the event of a spill, the following agencies **must** be contacted:

Polar Shelf in Resolute:	(867) 252-3872, or use 2-way radio
24-hour Nunavut Spill Line:	(867) 920-8130 Ph., (867) 873-6924 Fx
Peter Kusugac, INAC Manager of field operations:	(867) 975-4295 Ph, (867) 975-6445 Fx
Environment Canada in Iqaluit:	(867) 975-4644
Department of Fisheries and Oceans, Central and Arctic Regional Office	(204) 983-5000
Kivalliq Inuit Association	(867) 645-2800