

SPILL CONTINGENCY PLAN

POLAR/CHARS Greiner Lake Camp

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Cambridge Bay, NU X0B 0C0

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Inuit Land Parcel No: CB-20, CB-37, CB-M05, CB-M04, CB-M03

Site: The proposed camp is at 69° 13.145' N, 104° 51.911' W, within Cambridge Bay administrative area, ~14 km NE from the hamlet of Cambridge Bay, in an area of extensive wetlands on the northern shore of Greiner Lake. Researchers staying in the camp will work in the Greiner Lake watershed (see attached map).

Location: Maximum Latitude: 69°21'N, Minimum Latitude: 68°57'N
Maximum Longitude: 105°19' W, Minimum Longitude: 103°36' W

Person in Charge: Donald McLennan
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Person Responsible for Activating Spill Plan:

Grant Redvers, Donald McLennan, Johann Wagner, or Angulalik Pedersen, Camp Crew Leaders, will notify appropriate agencies via mobile telephone or satellite telephone.

Spill Plan Effective Period: May 15–September 30, 2018

Description of field site:

Crew and gear will come from Cambridge Bay by boat or ATV. The camp will be established at the proposed location on the northern shore of Greiner Lake in early June. One Intershelter 14 ft Polar Dome (<https://c2hh.com/product/intershelter-14ft-polar-dome/>) will serve as a kitchen and common area. Two metal frame tents (3m x 4 m) will be erected, one serving as a research area, the other for equipment storage. Additionally, an Arctic Research Foundation Mobile Marine-Archaeological-Geological Network mobile laboratory (6 m x 2.5 m x 2.5 m) will be employed. This mobile laboratory is built out of a seacan, has laboratory space with fold-down counters, a sink, as well as power source from two wind turbines and 15 solar panels. Up to 10 individual all-season tents will be used as sleeping accommodation. One tent will be used as an outhouse. These structures will be erected in areas with good drainage (on cobble-sized stones surrounded by little vegetation).

Gasoline and diesel will be stored near the camp more than 100m from the river and lake, in small, 20L jerry cans. The fuel will be located on a flat location, with a small lined berm built around it in the event of a fuel spill. Two emergency spill kits with absorbent materials will be kept at the camp near the fuel storage in the event of a spill. 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 camp. Current MSDS will be kept in a central location (designated by the camp leader) so as to be accessible to all personnel.

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

Camp Spill Kit¹ Contents:

- 1 - 10' PIG® Blue Absorbent Sock
- 4 - 48" PIG® Blue Absorbent Sock
- 15 - PIG® Absorbent Mat Pad
- 2 - PIG® Absorbent Pillow (PIL201)
- 5 - "Caution - Handle with Care" Polyethylene Disposal Bags
- 6 - Tamperproof Seal Label
- 1 - Instructions

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 in the campsite:

- Notify camp crew leader of the spill and its location so that they can activate the spill plan
- Do not flush materials into water courses
- 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 PCSP via mobile phone or satellite phone, and have them notify the Spill Line
- Fill out the attached Nunavut Spill Report Form (available at: <http://www.nunavutwaterboard.org>)

Contacts:

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

PCSP 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	Telephone: (519) 383-1813 or Toll-Free 1(866) 290-3731

¹ Spill kit supplied by PCSP

Kitikmeot Inuit Association

(867) 983-2458