

**The Ethnoarchaeology of Inuit Sea-Mammal Hunting, Northwest Foxe Basin,
Nunavut Project Spill Contingency Plan**

Pingiqqalik (NgHd-1), Northwest Foxe Basin, Nunavut

2012

By

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In Accordance with
Regulation R-068-93 Spill Contingency Planning and Reporting Regulations

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Ensuring the safe use of potentially hazardous material is of the utmost importance to this project. While no hazardous materials will be stored underground, the following potentially hazardous materials will be stored above-ground at the field camp:

- Gasoline – 3 plastic jerry cans (5 gallons each),
- Propane – 6 metal cylinders (100 lbs. each).

Gasoline will be used to fuel the site's single ATV and a small portable generator. A funnel will be used to transfer of gasoline to this equipment. The jerry cans will be stored in one of the general-use communal tents, reserved for equipment, atop tarps that will line a portion of the tent floor. (A portion of the rear tent flap will be left open for ventilation.) Gasoline reserves will be monitored each day to ensure that any potential leak in the plastic cans is detected promptly. In the unfortunate and unlikely event of a leak in the cans or a small spill while transferring gasoline to equipment, 1) any open flames will be extinguished, and objects capable of creating a spark will be secured; 2) the storage tent will be carefully, but quickly dismantled to avoid trapping fumes; 3) absorbent pads will be used to clean any equipment that may have come into contact with the gasoline; and 4) the gasoline will be allowed to safely evaporate. Any potential gasoline spill or leak will likely involve a very small amount, and is unlikely to pose a significant environmental hazard.

Propane will be used in a camp stove for cooking. The propane tanks will be stored outdoors under loosely-weighted tarps (ensuring good ventilation), well away from heat sources and open flames. In the event a leak is detected, attempts will be made to 1) ensure there are no open flames in the area, and 2) safely shut off the cylinder valve. A potential propane leak would likely be in the form of gas, and would be unlikely to pose a significant environmental hazard, given the relatively small amount per cylinder.

Empty propane cylinders and gasoline cans will be transported back to Igloolik with the field crew at the close of the field season in August 2011. The safety protocols outlined above for these materials will be reviewed by the entire field crew upon setting up the remote camp. The individual in charge of safety on site—including managing any spills or leaks of hazardous materials—will be the project's principal investigator and author of this plan.