

Spill Contingency Plan

1. Contact Information

The Spill Contingency Plan (SCP) was prepared for the CAM-3, Shepherd Bay landfill monitoring team. The SCP is effective as of June 1, 2010 and will be available as a stand-alone document to all team members and will also be posted on-site in the camp.

The landfill monitoring is being conducted as a follow up to the DEW Line Clean Up Project, as represented by the Department of National Defence and Defence Construction Canada. To request additional information, or additional copies of the SCP, please contact:

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Environmental Officer – DEW Line Clean Up Project
Defence Construction Canada
Constitution Square, Suite 1720
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Ottawa, ON K1A 0K3

2. Introduction

The following contingency plan presents the prescribed course of action to be taken in the case of an unanticipated spill event occurring during the landfill monitoring program at the CAM-3 site. The plan will enable the site team to maximize the effectiveness of the environmental protection response and meet all regulatory requirements for reporting to the appropriate authorities.

2.1 Scope and Purpose

The purpose of the plan is to:

- Provide a clear statement of the procedures to be followed in response to a spill;
- Minimize the potential environmental impact of a spill by establishing a pre-determined action plan;
- Protect the health and ensure the safety of the personnel involved in the Spill Response activities;
- Provide a reporting network for spills;
- Ensure site restoration;
- Identify the roles and responsibilities involved in the spill response activities; and
- Identify sufficient personnel, materials and equipment needed to make an adequate response to a spill.

2.2 Site Information

It is estimated that the camp operation will require minimal amounts of gasoline for the all-terrain vehicles, with an estimated volume of 1 x 200 litre barrel or less. The fuel will be stored at the camp on the airstrip apron. A spill kit will be located at the camp.

2.3 Potential Safety Hazards

The most significant potential safety hazard related to a fuel spill at the CAM-3 site is the possible soil and water contamination from the spill. The barrel storage area is located away from waterbodies and watercourses to avoid this hazard. Although soil contamination is a real potential hazard, the likelihood is small, and potential spill volumes are small.

2.4 Environmental Mapping

The attached drawing shows the site plan, including the airstrip apron area where the camp and fuel are located.

2.5 Resource Inventory

The following equipment is typically on-site during a landfill monitoring program event: ATV, small spill kits, and shovels. All equipment is stored at the camp site.

2.6 Training and Exercises

As the potential spill volume is small (200 L or less), no formal spill response training is typically provided. However, general spill response awareness and use of the spill clean-up materials is provided as part of the Health and Safety training for the site.

3. Response Organization

3.1 Roles and Responsibilities

The contractor will be responsible for spill response clean up in the event of a spill during the landfill monitoring activities at CAM-3. The responsibilities are described below.

- Ensure the team is aware of the spill kit location and its use.
- Ensure sufficient materials and equipment are available for adequate response to fuel and hazardous material spills.
- Verbally report all spills to the DCC Project Manager as soon as practical.
- Stop or reduce discharge, if it is safe to do so.
- Make every effort to contain the spill by dyking with earth or other barriers.
- Deploy hand tools and absorbents to the spill site.
- Follow all guidelines and regulations for disposal of spilled materials and contaminated soil as established by appropriate government agencies.
- Document all events/actions.
- Report the spill to the Spill Report Line and follow up with a written spill report. This report shall summarize the initial report information; confirmation of spill volume; actions taken; future remediation/monitoring requirements; and a sketch map and/or photographs of the spill area.

3.2 Communications and Contacts

Intra-site communication is via two-way radios, and a satellite phone will be used for all other communications. The following table provides relevant contact numbers.

| Resource | Location | Phone No. |
|--|---------------------------------------|--------------|
| 24 Hour Spill Line | NWT/Nunavut | 867-920-8130 |
| Environment Canada | Environmental 24 hour Emergency | 867-920-5131 |
| Environment Canada | Enforcement Officer | 867-975-4644 |
| Government of Nunavut – Environmental Protection | Iqaluit | 867-975-5907 |
| Indian and Northern Affairs Canada – Water Resources Inspector | Nunavut Regional Office | 867-975-4550 |
| Indian and Northern Affairs Canada – Land Administration Minister | Nunavut Regional Office | 867-975-4280 |
| Department of Fisheries and Oceans | Nunavut Regional Office | 867-975-8000 |
| Defence Construction Canada (representatives for the Department of National Defence) | Environmental Officer – Douglas Craig | 613-998-7288 |
| | Deputy Project Manager – Steve Poaps | 613-998-9529 |
| | Project Manager – LCol. David Eagles | 613-998-9523 |

4. Action Plan

Gasoline could potentially be spilled at the CAM-3 site. The fuel will be stored in the original barrel in the upright position, so the potential spill volumes are relatively small and would only affect the immediate area around the camp, where the fuel will be stored.

4.1 Initial Action

In the event of a spill, protection of human health and safety is paramount. Contamination of personnel involved in a clean-up is a real possibility, as is contamination of the surrounding workplace and environment. The individual discovering a spill shall:

- Warn the people in the immediate vicinity and evacuate if necessary.
- Isolate or remove any ignition sources and take all safety precautions before approaching.
- Attempt to stop the leakage and contain the spill, if safe to do so.
- Deploy equipment and personnel to initiate containment and clean up, report to the DCC Project Manager.
- Prepare the Government of the Northwest Territories Spill Report Form.
- Notify all other pertinent parties, including the DND and other government agencies.

4.2 Barrel Storage Area

In order to prevent spill or accidents at barrel storage area, the following procedures apply:

- Conduct ATV fuelling in a manner that avoids spillage. Operators are to be in attendance for the duration of the refuelling operation and are to ensure that all storage container outlets are properly sealed after use.
- Smoking is prohibited within 7.5 metres of the fuel storage facility. Provide appropriate signage.
- Store the barrel in an upright elevated position.
- The barrel shall be labelled. The label is to be to industry standards and should provide all information necessary for health and safety, and environmental purposes. This should include a Material Safety Data Sheet.
- Remove all fuel and associated materials from the site at the conclusion of the work.

5. Reporting Procedures

When reporting a spill to the 24 Hour Spill Report Line and completing the Nunavut Spill Report Form, the following information shall be included:

- Date and time of the spill;
- Location of the spill and direction the spill may be moving;
- Name and phone number of a contact person close to the location of the spill;
- Type of contaminant spilled and quantity spilled;
- Cause of the spill;
- Whether the spill is continuing or has stopped;
- Description of the existing containment;
- Action taken to contain, recover, clean up and dispose of spilled material;
- Name, address and phone number of the person reporting the spill; and
- Name of owner or person in charge, management or control of the contaminants at the time of the spill.

The spill report is to be submitted to the INAC Water Resources Officer no later than 30 days after initially reporting the spill to the spill report line. The contact list is provided in Section 2.2.