

Spill Contingency Plan

1. Contact Information

The Spill Contingency Plan (SCP) was prepared for the CAM-4, Pelly Bay landfill monitoring team. The SCP is effective as of June 1, 2016 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:

Laura D'Costa, P.Eng., M.Sc. / Alison Street, P.Eng.
Senior Project Manager / Environmental Specialist
Directorate of Contaminated and Legacy Sites Project Delivery
Department of National Defence
101 Colonel By Drive,
Ottawa, ON K1A 0K2
Phone: 613-943-7852 / 613-995-8603
e-mail: laura.dcosta@forces.gc.ca / alison.street@forces.gc.ca

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-4 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 operating all-terrain vehicles (ATV), which will be rented from the community and will not be stored. The team will be equipped with a spill kit, in the event of an equipment leak.

2.3 Potential Safety Hazards

The most significant potential safety hazard related to a fuel spill at the CAM-4 site is the possible soil and water contamination from the spill. The ATVs will not be stopped in areas of ponded water or near streams to avoid this hazard. Although soil contamination is a potential hazard, the occurrence likelihood is very low, and potential spill volumes are small.

2.4 Environmental Mapping

The attached drawing shows the site plan.

2.5 Resource Inventory

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

2.6 Training and Exercises

As the potential spill volume is small (20 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-4. The responsibilities are described below.

- Ensure the team is aware of the spill kit locations and their use.
- Ensure sufficient materials and equipment are available for adequate response to fuel and hazardous material spills.
- Verbally report all spills to the DND Senior Project Manager as soon as practical.
- Stop or reduce discharge, if it is safe to do so.
- Make every effort to contain the spill.
- Deploy hand tools and absorbents to the spill site.
- Follow all guidelines and regulations for disposal of spilled materials and contaminated soil and for reporting spills as established by appropriate government agencies.
- Document all events/actions.
- Report the spill to the Spill Report Line, complete and submit the NT-NU Spill Report form.
- Follow up with a detailed 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
Government of Nunavut – Environmental Protection	Iqaluit	867-920-8130
Environment and Climate Change Canada	Enforcement Officer	867-975-4644
Indigenous and Northern Affairs Canada – Water Resources Manager	Nunavut Regional Office	867-975-4550
Indigenous and Northern Affairs Canada – Land Administration Minister	Nunavut Regional Office	867-975-4280
Department of National Defence	Laura D'Costa - Sr. Project Manager	613-943-7852
	Alison Street - Env. Specialist	613-995-8603

4. Action Plan

Gasoline could potentially be spilled at the CAM-4 site. The fuel will be stored in the original container 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 DND Senior Project Manager
- Prepare the Government of the Northwest Territories / Nunavut Spill Report Form.
- Notify all other pertinent parties, including the DND and other government agencies.

4.2 ATV Parking/Fuelling Area

In order to prevent spill or accidents at the ATV parking/fuelling 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.

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 Indigenous and Northern Affairs Canada (INAC) Water Resources Inspector no later than 30 days after initially reporting the spill to the spill report line. The contact list is provided in Section 3.2.

Canada¹

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

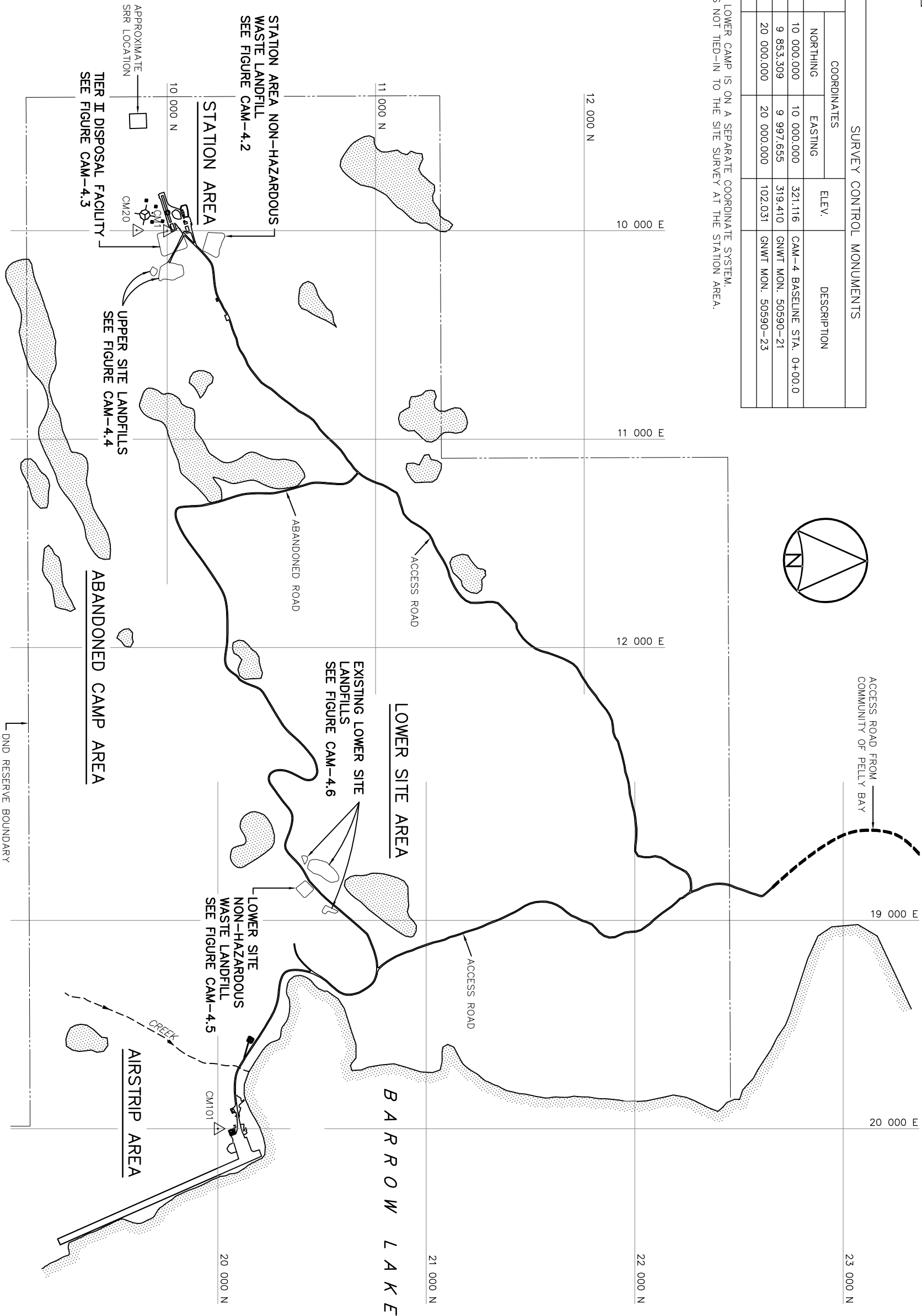
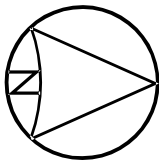
A	REPORT DATE: MONTH – DAY – YEAR		REPORT TIME		☐ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____-_____
B	OCCURRENCE DATE: MONTH – DAY – YEAR		OCCURRENCE TIME			
C	LAND USE PERMIT NUMBER (IF APPLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE)		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION			REGION ☐ NWT ☐ Nunavut ☐ ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES MINUTES SECONDS			LONGITUDE DEGREES MINUTES SECONDS		
F	RESPONSIBLE PARTY OR VESSEL NAME		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION			
G	ANY CONTRACTOR INVOLVED		CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
I	SPILL SOURCE		SPILL CAUSE		AREA OF CONTAMINATION IN SQUARE METRES	
J	FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS					
L	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE	
M	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	ALTERNATE TELEPHONE	
REPORT LINE USE ONLY						
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130	
LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC			SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN		FILE STATUS ☐ OPEN ☐ CLOSED	
AGENCY		CONTACT NAME		CONTACT TIME	REMARKS	
LEAD AGENCY						
FIRST SUPPORT AGENCY						
SECOND SUPPORT AGENCY						
THIRD SUPPORT AGENCY						

LEGEND:

CM1  SURVEY CONTROL MONUMENT

SURVEY CONTROL MONUMENTS			
NO.	COORDINATES		DESCRIPTION
	NORTHING	EASTING	
1	10 000.000	10 000.000	CAM-4 BASELINE STA. 0+00.0
20	9 853.309	9 997.655	319.410 GNWT MON. 50590-21
101	20 000.000	20 000.000	102.031 GNWT MON. 50590-23

* THE LOWER CAMP IS ON A SEPARATE COORDINATE SYSTEM.
IT IS NOT TIED-IN TO THE SITE SURVEY AT THE STATION AREA.



PLAN TO BE UPDATED WITH
RECORD INFORMATION
FOLLOWING CONSTRUCTION (2007)

DRAFT



DEW LINE CLEAN UP
LANDFILL MONITORING PLAN

CAM-4 - PELLY BAY

OVERALL SITE PLAN
FIGURE CAM-4.1

