

Spill Contingency Plan

1. Contact Information

The Spill Contingency Plan (SCP) was prepared for the DYE-M, Cape Hooper landfill monitoring team. The SCP is effective as of June 1, 2015 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:

Tamara Van Dyck
Coordinator, Environmental Services
Defence Construction Canada
180 Kent Street, 14th floor, Ottawa ON K1P 0B6

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 DYE-M 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, which will be purchased from the community and will not be stored. Each ATV 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 DYE-M site is the possible soil and water contamination from the spill. The ATV's will not be stopped in areas of ponded water or near streams 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.

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 DYE-M. 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 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.
- 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 | Iqaluit | 867-975-4644 |
| Government of Nunavut – Environmental Protection | Iqaluit | 867-975-5907 |
| Aboriginal Affairs and Northern Development Canada– Manager of Field Operations | Nunavut Regional Office | 867-975-4295 Fax 867-975-6445 |
| Aboriginal Affairs and Northern Development – 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 – Tamara Van Dyck | 613-995-9741 |

4. Action Plan

Gasoline could potentially be spilled at the DYE-M 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 Environmental Officer.
- Prepare the Government of the Northwest Territories Spill Report Form.
- Notify all other pertinent parties, including the DND and other government agencies.

4.2 ATV Parking Area

In order to prevent spill or accidents at ATV parking 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 follow up spill report is to be submitted to the Aboriginal Affairs and Northern Development Canada (AANDC) 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.

1. ALL COORDINATES ARE REFERENCED TO UTM ZONE 20N, NAD83.

3. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.

PHOTOGRAPHIC VIEWPOINT

TEST PIT LOCATION

BODY OF WATER

APPROXIMATE EXTENT OF
DEBRIS AREAS

APPROXIMATE EXTENT OF
BORROW AREAS

APPROXIMATE LOCATION OF
PROPERTY BOUNDARIES

| No. | DATE | REVISION | REVISION | APPROVED |
|-----|------|----------|----------|----------|
|-----|------|----------|----------|----------|

SCALE - ECHELLE 400 200 0 400 800 1200mm

PROJECT - PROJECT

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

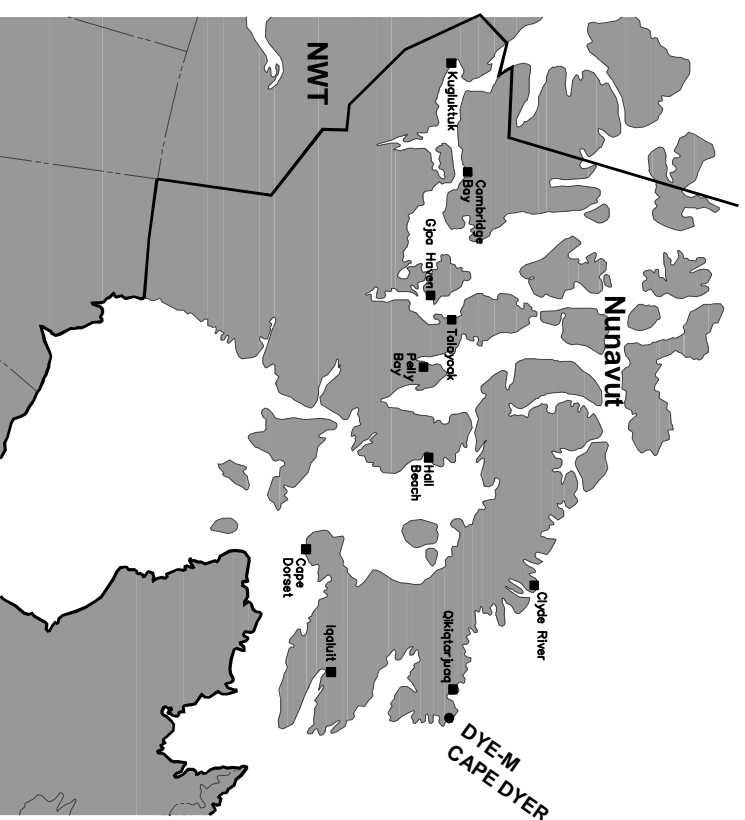
| | | |
|-------------------|--------|------------|
| SUBJECT - SUBJECT | SITING | 2003-12-16 |
|-------------------|--------|------------|

OVERALL SITE PLAN

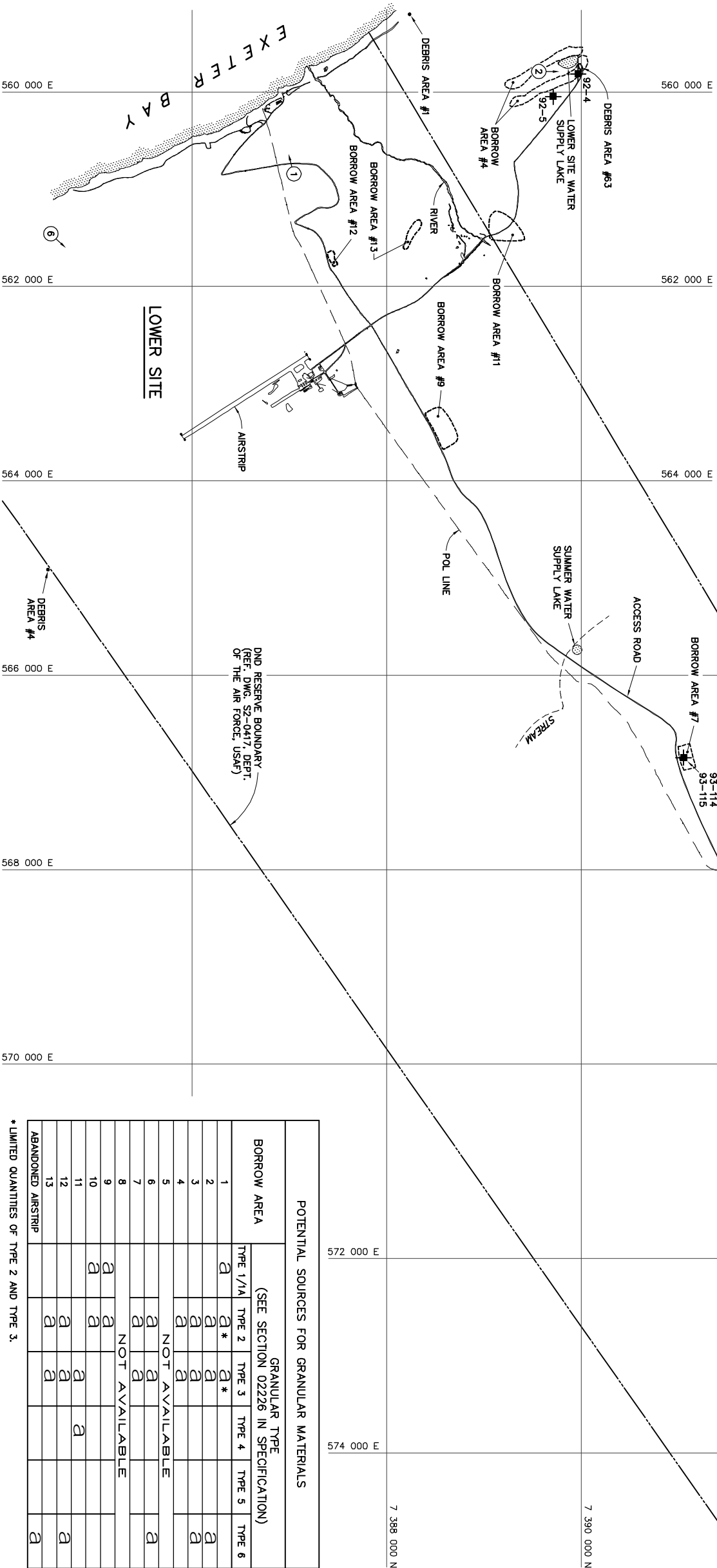
| PRODUCTION | | CONFERENCE – ASSESSMENT | |
|----------------------------|--|-------------------------|--|
| DESIGNED <i>BW/CJ</i> | | DES OFF | |
| ETUDE | | AGENT CONCEPT | |
| DRAWN <i>K/CME</i> | | SECT HD | |
| DESISSE | | CHEF SECT | |
| CHECKED <i>REM</i> | | DES MOR | |
| VERBIE | | GEST CONCEPT | |
| COORDINATION <i>3MS</i> | | REVIEWED – REVU | |

DWG. NO. – DESSIN NO.
H-C75/1-9101-101

Canada



N.T.S.



| POTENTIAL SOURCES FOR GRANULAR MATERIALS | | | | | | | |
|--|---|---------------|--------|--------|--------|--------|--|
| BORROW AREA | GRANULAR TYPE (SEE SECTION 02226 IN SPECIFICATION) | | | | | | |
| | TYPE 1/1A | TYPE 2 | TYPE 3 | TYPE 4 | TYPE 5 | TYPE 6 | |
| 1 | a | a * | a * | | | a | |
| 2 | | a | a | | | a | |
| 3 | | a | a | | | a | |
| 4 | | a | a | | | | |
| 5 | | NOT AVAILABLE | | | | | |
| 6 | | a | a | | | a | |
| 7 | | a | a | | | | |
| 8 | | NOT AVAILABLE | | | | | |
| 9 | a | a | | | | | |
| 10 | a | a | | | | | |
| 11 | | | a | | | | |
| 12 | | a | a | | | a | |
| 13 | | a | a | | | | |
| ABANDONED AIRSTRIP | | | | | | a | |

* LIMITED QUANTITIES OF TYPE 2 AND TYPE 3.