Appendix C Heritage Resources Photo Plates

Plate 1 Small tent ring identified by Santa Kidlapik approximately 10 metres east of the proposed development

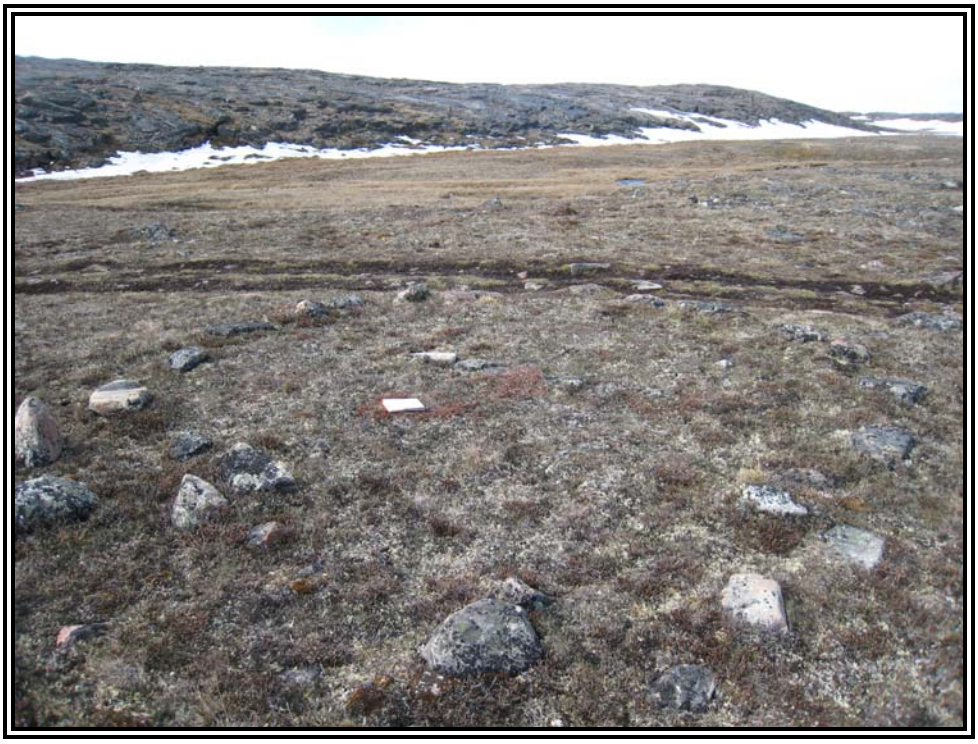

Plate 2 Large tent ring identified by Santa Kidlapik, located within the 30 metre buffer on either side of the proposed development

Plate 3 Possible grave or cache site identified by Santa Kidlapik approximately 10 metres from the proposed development

Plate 4 Interior view of feature shown in Plate 3

Plate 5 Possible ‘old’ cache site identified by Santa Kidlapik approximately 15 metres from the proposed development and 7 metres from the feature illustrated in Plate 3

Appendix D DFO Statement of Confirmation

Fisheries and Oceans Canada (DFO) Operational Statement

Statement of Confirmation

This document officially states that the Hamlet of Repulse Bay will comply with the mitigative measures contained within the following DFO Operational Statements:

- In-Stream Construction Timing Windows
- Culvert Maintenance

These procedures will be followed during the construction of the North Pole River Access Road, including the placement of granular fill, use of heavy equipment and installation of in-stream culverts.

Signed: _____ A.J. JOHNSON
Signature — Print Name

SENIOR ADMINISTRATIVE OFFICER
Position

JANUARY 21 | 2009
Date

Witness: _____ B. Junkin
Signature — Print Name

President
Position

January 21/09
Date

Appendix E Spill Contingency & Response Plan

PETROLEUM PRODUCTS DIVISION
SPILL CONTINGENCY PLAN 2009
REPULSE BAY

INTRODUCTION

This contingency plan applies to the REPULSE BAY Petroleum Products Division Oil Handling Facility (OHF) located in the Kivalliq Region.

The contingency plan will be used as a reference and working document in case of a pollution incident either at the main PPD Tank Farm, the PPD Airport Facility or at the PPD shore manifold.

The main objectives of the contingency plan are:

1. **To minimize the potential Health and Safety Hazards of a pollution incident.**
2. **To minimize clean-up costs.**
3. **To minimize the Environmental damage caused by a pollution incident.**

The key players in the Response Operations for the Government of Nunavut:

- **Head, Kivalliq Field Operations, PPD Rankin Inlet**
- **Director CGS, Rankin Inlet**
- **Manager of Field Operations, PPD Headquarters Rankin Inlet**
- **Maintenance Management Specialist, PPD Headquarters Rankin Inlet**

The key players from local Authorities:

- **Hamlet Senior Administrative Officer**
- **Wildlife/Environmental Officers**
- **RCMP Staff**
- **Nursing Station Staff**

The key players from the Fuel Supply Contractors:

- **Manager, local PPD Fuel Services for land-based incidents.**
- **Tanker Captain for off-shore incidents.**

Local Heavy Equipment Operators and local labourers will be hired for the clean-up operations. These will be identified by the Head, Kivalliq Field Operations, the PPD Maintenance Management Specialist and the Comptroller, PPD Headquarters.

Clean-up Operations will be approved by the Director, PPD Headquarters, Rankin Inlet.

ACTION PLAN

The first responder will immediately:

- **Identify the spilled product.**
- **Assess the area for hazardous conditions such as fire, health and safety issues.**
- **Stop the source of the spill, only if the area is safe from hazardous conditions.**
- **Check the area for any people and if they are injured, apply First Aid and CPR.**
- **Shut off the possible sources of ignition to reduce or cut-off the fire hazard. Turn off electric lights, electric motors, electric heaters, etc. "NO SMOKING!"**
- **Warn people in and around the Tank Farm Facility or the shore manifold of the danger and evacuate them.**
- **Move vehicles, only in case of fire and only if the conditions are safe.**

PHONE PROCEDURES

The first responder is to call the following agencies:

- **The Fire Department and the RCMP for immediate assistance.**
- **The Nursing Station with information on injured people and the severity of their injuries.**
- **Head, PPD Kivalliq Field Operations or the PPD Maintenance Management Specialist with information on site conditions, causes and effects.**

The Head, Kivalliq Field Operations is to call the following:

- **The 24 Hour Spill Line with information on the product spilled and an estimated quantity. The GN Spill Report Form will be faxed to the 24 Hour Spill Line.**
- **The local Wildlife/Environmental Officer with information on the environmental damage to the site.**
- **The PPD Manager of Field Operations with information on the latest conditions of the incident.**

The PPD Manager of Field Operations is to call the following for a pollution incident at the PPD shore manifold:

- **Ask for assistance from the Canadian Coast Guard, if the incident involves a pollution discharge of more than 1000 litres at the PPD shore manifold.**

CLEAN-UP AT PPD TANK FARM FACILITY

The Head, PPD Kivalliq Field Operations will call the local designated Heavy Equipment Operators for clean-up assistance.

CLEAN-UP STRATEGY

The clean-up strategy will be discussed with the following personnel:

- **Manager, local Heavy Equipment Company**
- **Head, PPD Kivalliq Field Operations**
- **PPD Maintenance Management Specialist**
- **Local Wildlife/Environmental Officer**
- **Local Senior Administrative Officer (SAO)**
- **Local Fire Chief**

The clean-up strategy will determine the following information:

- **An estimated cost for Materials and Labour.**
- **An estimated time-frame from start to finish of the clean-up.**
- **A contaminated storage site with the assistance of the SAO, the Fire Chief, the Wildlife/Environmental Officer and Head, PPD Kivalliq Field Operations.**
- **The Fire Chief and the Wildlife/Environmental Officer will determine if the spilled product can be incinerated.**
- **If storage containers are to be used, the PPD Manager of Field Operations will be advised.**
- **The Wildlife/Environmental Officer will be notified of the contaminated storage location.**

If a Clean-up Strategy Meeting cannot be arranged the following steps will be taken to ensure immediate clean-up procedures:

- **Use sorbent material to soak up the spilled product.**
- **Place the soaked material into empty 45 gallon drums.**
- **If drums are not available, find a non-flammable container to place the material, until it can be removed from the site.**
- **Contact the local Wildlife Office to determine a suitable site to store or dispose of the contaminated gravel or sorbent material.**
- **Contact the Hamlet Office and advise them of the contaminated storage site approved by the Wildlife Office and confirm their written approval.**
- **When the clean-up is completed have a Hamlet and RWED representative inspect the site.**
- **Ask the RWED representative to write a spill report and ask for a copy for your files.**

SPILL CLOSURE

- **If the contaminated product is to be kept in storage and will be moved at a later date, the GN Department of the Environment will be sent a written notice.**
- **The Wildlife/Environmental Officer will close the file when he is satisfied with the completion of the clean-up operations.**
- **A copy of the Spill Closure will be sent to the Manager, PPD Field Operations.**

TELEPHONE AND FAX PROCEDURES

NWT AND NUNAVUT 24 HOUR SPILL LINE

- It is critical that the Spill Line be notified as soon as possible.
- Tell the Spill Line attendant what occurred; how much was spilled, the type of fuel spilled, and what is being done to contain the spill.
- After the phone call, fax a Government of Nunavut Spill Report with the details of the spill to the Spill Line.

GOVERNMENT AND LOCAL CONTACTS

- PPD Fuel Contractors shall call for assistance from the local Fire Department, the Nursing Station, the RCMP, and Public Works or Hamlet Maintenance staff.
- PPD Fuel Contractors shall call the Head, Field Operations (formerly known as the Regional PPD Officer) with an account of the cause of the spill and what action was initiated to control the spill.
- The Head, Field Operations shall call the Manager of Field Operations with an account of the spill.
- The Manager of Field Operations shall call the Director, Petroleum Products Division Headquarters with an account of the spill and a plan of action.

CONTACT PHONE AND FAX LIST

1. 24 HOUR SPILL LINE PHONE..... 867-920-8130
2. 24 HOUR SPILL LINE FAX..... 867-873-5763
3. FIRE DEPARTMENT.....867-462-4422
4. RCMP..... 867-462-1111
5. NURSING STATION..... 867-462-9916
6. PUBLIC WORKS..... 867-462-4093
7. HAMLET OFFICE.....867-462-9952
9. WILDLIFE/ENVIRONMENTAL OFFICER..... 867-462-4002
10. HEAD, PPD FIELD OPERATIONS..... 867-645-8156
11. MANAGER, PPD FIELD OPERATIONS..... 867-645-8443
12. PPD MAINTENANCE MANAGEMENT SPECIALIST.....867-645-8441

Appendix F North Pole River Access Road Dust Management Plan

North Pole River Access Road
Dust Management Plan

Hamlet of Repulse Bay

January 2009

Introduction

The following report details the dust management plan prepared for the operation and maintenance of the North Pole River Access Road in the Hamlet of Repulse Bay, NU. The Access Road is located within the municipal boundaries of Repulse Bay and the Hamlet of Repulse Bay will undertake all maintenance, including dust management, for the Access Road. The purpose of this dust management plan is to provide details about the procedures used to manage potential dust emissions arising from the use of Access Road.

Background

The Hamlet of Repulse Bay needs to develop granular resource sites to allow for municipal road construction and other community projects. Four granular deposits have been identified northwest of the Hamlet and a preliminary design for a road to access these sites was designed by FSC Architects and Engineers in 2002. The construction of the North Pole River Access Road (the access road), is planned for the summer of 2009, with completion expected in the summer of 2010. The 7.68 km access road will be constructed of granular materials and measure approximately 6 metres wide, with additional shoulder and culvert space in some portions.

The access road will be used by off-road (ATVs) and light vehicles, as well as heavy equipment when accessing the future quarries. Dust, arising from road operations (primarily traffic), was identified as having a potential negative impact to water quality, vegetation and fish habitat within the access road footprint. Increased dust will only be a concern during the summer months (primarily June, July, August and September) when the road surface will be dry and not snow covered. A dust management plan is required to effectively mitigate the potential effects of increased dust in the area and safeguard the aforementioned valued environmental components.

Procedure

In the dry summer months, dust evolving from the access road surface will be controlled principally by road watering. Recommended vehicle speeds will also posted along the access road to limit speed and assist in the reduction of dust generated by vehicle traffic.

Road watering will be carried out by the Hamlet's Public Works division. Water will be obtained from the community's potable water supply and be applied with the use of a water truck and attached spray bar. The application rate will be monitored to ensure adequate coverage of the road surface without causing pooling or runoff. The access road will typically be watered once per week during the summer months. This frequency may be increased or reduced depending on the road surface and weather conditions (e.g. temperature, precipitation), at the discretion of the Hamlet foreman.

Other dust suppression techniques, including the use of saltwater and dust suppression products, will be further investigated if the present road watering technique proves ineffective or impractical. In Iqaluit, NU, saltwater is used for dust suppression on community roads as it has been observed to adhere to the road surface better and requires less frequent watering (R. Eno, *pers. comm.*). Only dust suppression products approved for use in Nunavut (calcium chloride, Bunker C or DL 10) will be considered if this option is explored for future use on the access road. Application of any of these products will follow those procedures outlined in the Government of Nunavut's *Environmental Guideline for Dust Suppression* (2002).

References & Personal Communications

Government of Nunavut. Environmental Guidelines for Dust Suppression. Environmental Protection Service, Government of Nunavut, January 2002. Available at <http://www.gov.nu.ca/env/suppression.pdf>.

Eno, R. Manager, Pollution Control. Government of Nunavut, Department of Environment, Environmental Protection Service. Telephone conversation. 22 January 2009.