

**APPENDIX E**

PACIFICA RESOURCES LTD.

NWB Water License Application

Spill Contingency Plan, Yava Property



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**PACIFICA RESOURCES LTD.**  
**SPILL CONTINGENCY PLAN**

**Yava Property**

**February 4, 2005**

Nunavut Water  
Board  
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Public Registry

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## INTRODUCTION

The following is a Fuel Spill Contingency Plan for mineral exploration field work at the Yava Property (65°35'N, 108°00'E) - Nunavut, Canada. The owner of the property, Pacifica Resources Ltd. ("COMPANY"), has applied for a Land Use Permit in order to conduct the exploration program. This Spill Contingency Plan serves as a guide to the field personnel, agents of the Company, as well as, any Government agency inspectors in the case of minor or major spills during the operation.

The reason for this type of reporting schedule is to document spills with the intent of incident reduction through proper follow-up and remedial measures.

## SPILL PREVENTION AND REMEDIAL ACTION PLAN

In order to prevent fuel spillage, field personnel must use proper handling techniques when transferring petroleum products between containers and exercise caution at all times. Care must be taken to ensure fuelling and transporting of fuel is conducted in a clean and careful manner and that all materials are removed and disposed of appropriately after use.

### Minor Spills

Minor spills are those that can be easily and safely handled by those people in the area, and generally by the person(s) initiating the spill. These spills are generally within confined areas, are small in nature, have minimal health and safety risks, and, if outside, have no chance of migrating into the environment.

In the event of a minor spill, any fuel and/or other liquid spilled must be contained and absorbed as much as possible using an absorbent mat. The mat must be collected for future disposal and the remaining fuel and/or liquid must be shovelled into bags and garbage bins. All contaminated material will be disposed of at a location deemed appropriate by the Inspecting Engineer.

Workers are to report all minor spills to the Field Supervisor Phu Van Bui - Geologist, who will then report directly via satellite or landline phone to Spencer Dewar - Land Use Officer, in Nunavut. The spill will also be immediately reported to Jason K. Dunning, Vice President of Exploration. The phone numbers for these individuals are as follows and summarized in Appendix E(i):

Name	Office	Location	Telephone
Patrick Larocque	Resource Management Office	Kitikmeot, Nunavut	(867) 982-4306
Carl McLean Spencer Dewar	Land Administration Office	Iqaluit, Nunavut	(867) 975-4280
Jason Dunning	Pacific Resources Ltd.	Vancouver, BC	(604) 682-5474 ext. 225 (604) 831-6111 cell

Fuel spill kits will be present at all Fuel Caches on site, as well as, with each piece of heavy equipment, when required or if necessary.

## Major Spills

These would be spills of greater potential than minor spills, which exceed any small quantity, have potential health and safety risks and/or may escape into the environment. When in doubt, field personnel will treat the spill as major.

In the event of a major spill, government and corporate authorities will be contacted immediately, in addition to the N.W.T Oil Spill Hot Line.

N.W.T Oil Spill Hot Line	1-867-920-8130
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The minimum information that will be made available during this call is as follows:

- (a) Name.
- (b) Company particulars.
- (c) Name of the spilled material.
- (d) Cause of spill.
- (e) Location of spilled material.
- (f) Quantity of spilled material.
- (g) Time of spill.
- (h) Spill impact.
- (i) Details of any action taken at the site of the spill.

To assist in ensuring that all the appropriate information is collected prior to the reporting of a spill, an Emergency Action Reporting Procedures (Appendix E(ii)) is to be followed by the Field Supervisor or his/her designate.

## Guidelines for Spill Containment and Clean up

This section is designed to give the reader a quick review of the methods of handling spills. Please refer to specific sections for further details.

In order to promote prompt and proper clean up of spills, some general guidelines on containment and clean up of spills are reviewed. It is important from both a safety and an environmental perspective that prompt and proper clean up of the spill is undertaken.

Spill identification may be determined by review of many sources including the following:

- (a) Chemical packaging labels.
- (b) Chemical form (solid, liquid, powder, etc.).
- (c) Chemical container method (drum, etc.).
- (d) Material Safety Data Sheets (MSDS).

The response plan must take into consideration the types of materials being handled, their physical and chemical properties, and also the correct methods of neutralization, handling and/or containment.

#### Liquid Material Spill in an Area Wet from Rain

- (a) Contain the spill using berms. Always ensure that the label on the drum matches the product in the drum.
- (b) Isolate drainage, if possible, using berms.
- (c) Notify downstream water users if appropriate.
- (d) Clean up and recover material using protective gear. Fuel spill kits, including shovels, containers and absorbent mat are to be used for this purpose. Empty 45-gallon drums should be utilized for larger spill containment. Material recovery may utilize pumps or sorbets.
- (e) Detoxify the area.
- (f) Store/transport recovered material and review the mode of disposal.

#### Solid or Liquid Spill into Lake or Stream

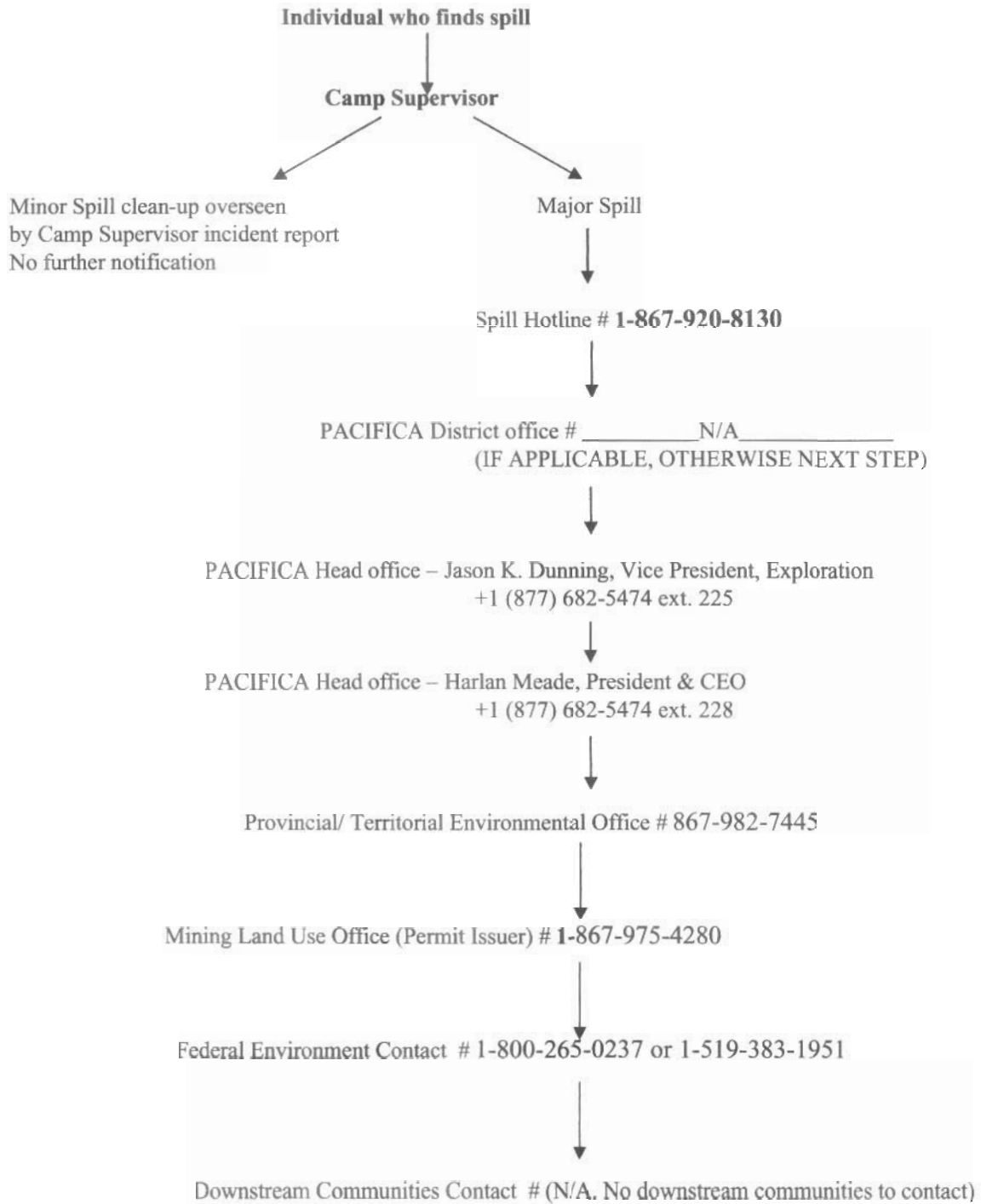
- (a) Isolate drainage and contain the spill using berms, if possible.
- (b) Recover the material, if possible, using protective gear.
- (c) Notify downstream water users.

**APPENDIX E(i): SUMMARY TELEPHONE LISTS OF COMPANY PERSONNEL AND GOVERNMENT AGENCIES FOR REPORTING SPILLS**

	<b>Telephone No.</b>	<b>Fax No.</b>
<b>Pacifica Resources Ltd.</b>		
Jason Dunning, Vice President of Exploration	604-682-5474 ext 225	604-682-5404
Dr. Harlan Meade, President & CEO	604-682-5474 ext 228	604-682-5404
<b>Resource Management Office</b>		
Jimmy Noble (Baffin, NU)	867-975-4296	867-979-6445
<b>Land Administration Office</b>		
Carl McLean (Iqaluit, NU)	867-975-4280	867-975-4286
<b>Provincial Emergency Program</b>		
N.W.T. Oil Spill Hotline Nunavut Environment & Contaminant Manager	867-920-8130 867-975-4543	
<b>Ministry of the Environment</b>		
Department of Indian and Northern Development Kitikmeot, District Environmental Protection Officer Baffin, District Environmental Protection Officer	867-982-7445 867-899-7348	
Department of Fisheries and Oceans Environmental Response Unit, Sarnia, Ontario.	519-383-1951 Or 1-800-265-0237	
Nunavut Water Management Manager	867-975-4550	
<b>Environment Canada, Environmental Protection Branch</b>		
Emergency Response Oil or Chemical 24-Hour Service For chemical information call CANUTEC 24-hour basis General	613-996-6666 613-992-4624	613-954-5401

**APPENDIX E(ii)**

Spill Reporting Flow Chart







**APPENDIX E(iv)**

Environmental Incident Report

1. LOCATION OF SPILL \_\_\_\_\_

2. SOURCE OF SPILL \_\_\_\_\_

3. MATERIAL AND ESTIMATED QUANTITY \_\_\_\_\_

4. TIME \_\_\_\_\_ DATE \_\_\_\_\_ DURATION \_\_\_\_\_

5. CAUSE OF SPILL \_\_\_\_\_

6. MEDIUM AFFECTED SOIL / AIR / WATER

7. AREA AFFECTED \_\_\_\_\_

8. SPILL REPORTED BY \_\_\_\_\_

9. SPILL SITE COORDINATOR \_\_\_\_\_

10. EXPATRIATE PERSONNEL NOTIFIED (NAME/DATE) \_\_\_\_\_

(NAME/DATE) \_\_\_\_\_

(NAME/DATE) \_\_\_\_\_

11. GOVERNMENT AGENT NOTIFIED (NAME/DATE) \_\_\_\_\_

(NAME/DATE) \_\_\_\_\_

(NAME/DATE) \_\_\_\_\_

12. ACTION TAKEN (CONTAINMENT/CLEANUP METHOD)

\_\_\_\_\_  
\_\_\_\_\_

13. INCIDENT UNDER CONTROL \_\_\_\_\_ YES / NO

14. REPORT COMPLETED BY: \_\_\_\_\_

DATE \_\_\_\_\_

\_\_\_\_\_