

SPILL CONTINGENCY PLAN



Yuulu?il?ath Government - Ucluelet First Nation

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Introduction

Purpose

The Spill Contingency Plan addresses the spill response and emergency measures, alerting and notification procedures and cleanup strategies. This Plan is designed to facilitate the prevention and efficient cleanup of spills of the following hydrocarbons in Yuułu?ił?ath air, lands, and water:

- Diesel, Saw gas
- Gasoline, Jet B, Avgas
- Motor oils, Hydraulic oil, Lube oil
- Waste oil
- Other substances defined in the Environmental Protection Act

Objectives of the Spill Contingency Plan are:

1. To provide readily accessible emergency information in the event of a spill.
2. To comply with the Environmental Protection Act in notifying the Lands Manager of any spills of a reportable substance in a manner or quantity to cause pollution.
3. To comply with other provincial and federal regulations pertaining to the preparation of contingency plans and notification requirements.
4. To promote the safe and effective recovery of spilled materials.
5. To minimize the environmental impacts of spills into water, air or on land.

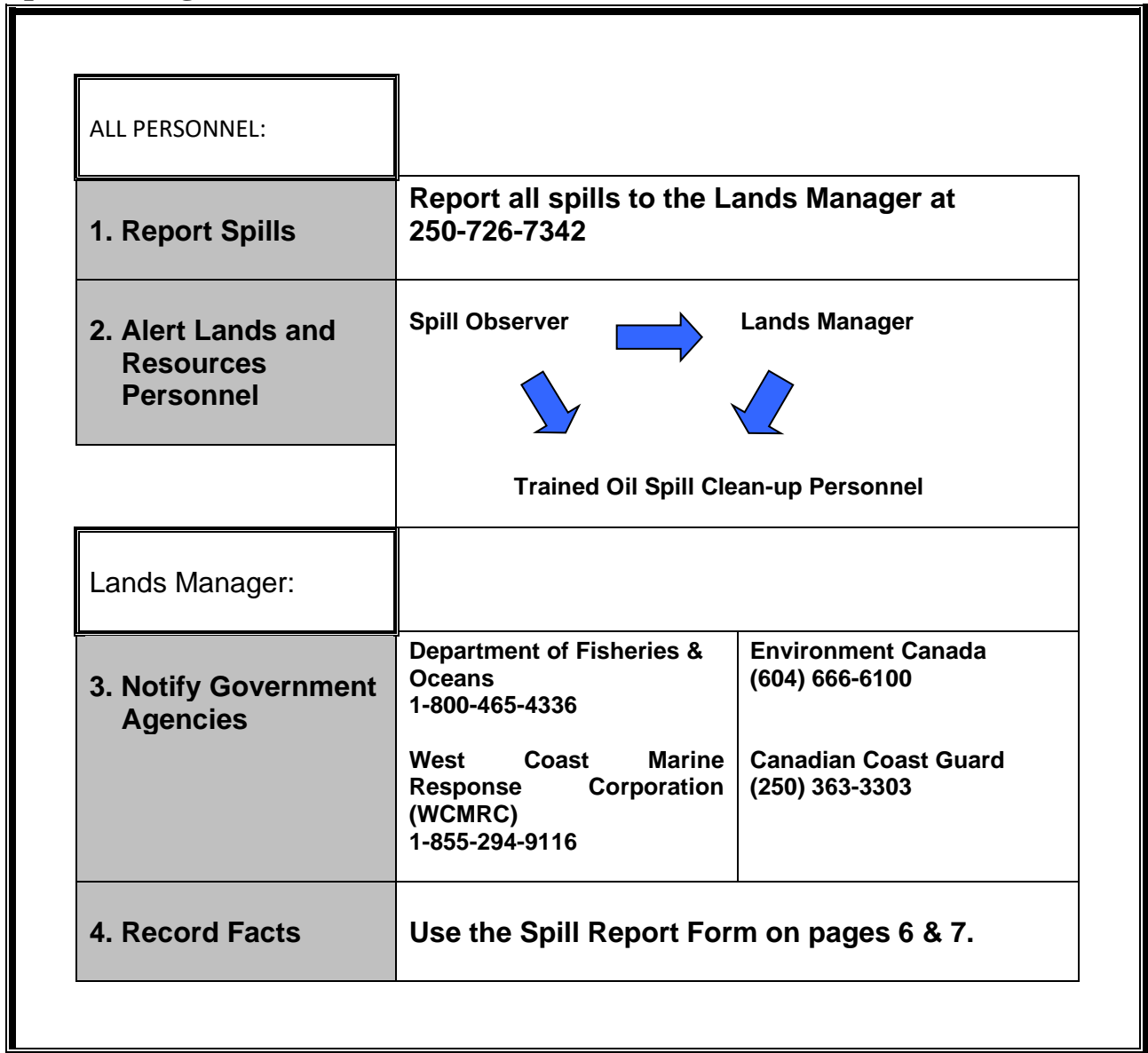
Responsibilities:

Every person causing or contributing to the discharge or increasing the likelihood of such a discharge, must immediately

- a) report the discharge to likely discharge to the lands manager;
- b) take all responsible measures consistent with public safety to stop the discharge, repair any damage caused by the discharge and prevent or eliminate any danger to life, health, property, or the environment that results or may be reasonably expect tot result from the discharge or likely discharge;
- c) make a reasonable effort to notify every member of the public who may be adversely affected by the discharge or likely discharge.

I Action Plan

Spill Alerting Chart



Note For spills to water, if the Lands Manager is not available within 1 hour after a spill is detected, then the spill observer or immediate supervisor must report the spill to the Provincial Emergency Program (PEP) and the Canadian Coast Guard (CCG) without delay.

Initial Response Priorities

1 *Respond Quickly*



- 1 Identify the spilled material.
- 2 Ensure safety of yourself and others.
- 3 Shut off ignition sources - **no smoking**.
- 4 Assess the severity of the spill.
- 5 Call for assistance.
- 6 Attend to injured.
- 7 Keep unnecessary people out of the area.
- 8 Wear impervious clothing, goggles, gloves.
- 9 Approach spill from upwind **if safe to do so**.
- 10 Stop product flow if possible.
- 11 Contain the spill within 1 hr. and start recovery within 6 hrs.

2 *Respond Safely*



- 1 **Do not contain gasoline or Jet-B** if vapours might ignite.
- 2 Wear appropriate protective clothing.

3 *Obtain and Report Spill Details*

See Spill Report Form on pages 6 and 7.

Spill Report Form

Date and Time of Spill			
Date _____	Time _____	Area _____	
Person Discovering the Spill			
NAME _____		POSITION _____	
Spill Site Description			
Location _____		Lat. _____	Long. _____

RECREATIONAL BOAT <input type="checkbox"/>	BARGE <input type="checkbox"/>	VALVE <input type="checkbox"/>	PIPELINE <input type="checkbox"/>
STORAGE TANK <input type="checkbox"/>	DRUM <input type="checkbox"/>	VEHICLE <input type="checkbox"/>	OTHER <input type="checkbox"/>
DETAILS _____			
Circumstances (Attach sketch or details, if possible.)			
ROAD ACCIDENT <input type="checkbox"/>	FIRE / EXPLOSION <input type="checkbox"/>	INJURIES <input type="checkbox"/>	
FUEL TRANSFER <input type="checkbox"/>	EQUIPMENT LOSS/FAILURE <input type="checkbox"/>	OTHER <input type="checkbox"/>	
Material Spilled			
TYPE _____	ESTIMATED VOLUME _____ (litres)	SLICK SIZE _____ (m)	by _____ (m)
IS DISCHARGE CONTINUING? Yes <input type="checkbox"/> No <input type="checkbox"/>			
AFFECTED AREA (E.G., RIVER, LAKE, MARINE, LAND, AIR)			

Environmental Conditions			
WEATHER	CLEAR <input type="checkbox"/>	CLOUDY <input type="checkbox"/>	RAINING <input type="checkbox"/> SNOWING <input type="checkbox"/>
WIND	DIRECTION _____		SPEED _____ (kph)
WATER	CALM <input type="checkbox"/>	CHOPPY <input type="checkbox"/>	ROUGH <input type="checkbox"/> STRONG CURRENT <input type="checkbox"/>

Persons Advised Yuulu?if?ath PERSONNEL _____ GOVERNMENT AGENCIES _____ BC MINISTRY OF _____	Date and Time _____ _____
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ENVIRONMENT _____	_____
COAST GUARD _____	_____
ENVIRONMENT CANADA _____	_____
FISHERIES AND OCEANS _____	_____

Assistance Required

MEDICAL FIRE TRUCK VACUUM TRUCK PICKUP TRUCK OTHER

Cleanup

ACTIONS TAKEN

DATE & TIME STARTED _____ DATE & TIME COMPLETED _____

SIGNATURE _____ DATE _____

**Spill Response Guidelines
Diesel, Saw Gas, Hydraulic, Lube & Waste Oil**

Consider action only if safety permits!

On Land

- Stop source if safe to do so.
- **Eliminate ignition sources.**
- Do not flush into sewer/drainage system.
- Block entry into waterways and contain with earth or other barrier.

On Water

Coastal Waters and Lakes

- Use spill containment boom to concentrate slicks for recovery.
- On small spills, use sorbent pads to pick up contained oil.
- On larger spills, obtain and use disc skimmer on contained slicks.
- Plan for storage of collected liquid and oily debris.

Wetlands and Estuaries

- Localize spills at source to minimize effects on sensitive habitat.
- Should oil slicks enter a sensitive area, seek advice from local Ministry of Environment and Department of Fisheries and Oceans staff prior to cleaning up.
- Do not deploy personnel and equipment on mudflats or vegetation unless approved by DFO.
- Only attempt cleanup from the water side at high tide.
- Concentrate slicks using sorbent booms and spill containment booms, if available.
- Remove contained oil with sorbent pads and/or disc skimmer.
- Plan for and request additional cleanup assistance, if required.

Rivers and Streams

- Prevent entry into flowing water by building berm or trench.
- Intercept moving slicks in backwater or quiet areas using sorbent booms, logs or spill containment boom, as available.
- Do not use sorbent booms/pads in fast currents or turbulent water.

Storage & Transfer

- Store closed, labeled containers outside away from flammable items. Drums, storage tanks, mobile fuel/water tanks can all be used for the temporary storage of collected liquid.

Disposal

- Segregate waste types.
- Place contaminated materials into marked containers.

Spill Response Guidelines Gasoline and Jet-B

Consider action only if safety permits!

**Gasoline and Jet-B form vapours which can ignite with explosive force!
No Smoking!**

On Land

- Stop spill source, if safe to do so.

- **Eliminate ignition sources.**
- Block entry into waterways by diking with earth or other barrier.
- Do not flush into sewer/drainage system.
- Do not contain spill if there is any chance of igniting vapours.
- Remove minor spills with sorbent pads and rolls.
- On shop floors, apply particulate sorbents.

On Water

- **Eliminate ignition sources.**
- **Do not attempt to contain or remove spills.**
- The transfer operation cannot re-commence if it would interfere with the cleanup effort.
- Protection booming can be considered for water intakes/marinas.

Storage & Transfer

- Store closed, labeled containers in cool, ventilated areas away from incompatible materials.
- Drums, storage tanks, mobile fuel/water tanks can all be used for the temporary storage of collected liquid.
- Electrically ground containers and vehicles during transfer.

Disposal

- Segregate waste types, if necessary.
- Place contaminated materials into marked containers.
- Consult with BC Ministry of Environment for final disposal.

Site-Specific Spill Response Actions

Diesel, Saw Gas, Hydraulic, Lube & Waste Oil

1. Containment

If there is a spill at the dock or along the shoreline:

- Deploy sorbent booms to contain the spill at the dock.
- Position the containment booms using boom boats.
- Use boom sticks and log booms as breakwaters and additional containment.
- Use sorbent booms to plug gaps between logs/boom sticks.

2. Recovery

- Remove minor spills with sorbent pads; Use sorbent booms to plug gaps between logs/boom sticks.
- Deploy a skimmer in contained slicks to recover the spill.

3. Transfer, Storage & Disposal

- Use a pump to transfer recovered fluid to a holding tank or drums which should be located on the dock or nearest point on shore.

Gasoline or Jet-B

Do not try to contain or recover gasoline or Jet-B.

1. Protection (diversionary) booming could be used to deflect slicks from nearby water intakes or other sensitive areas.

II Contacts

Internal Contacts



ROLE	NAME	OFFICE	HOME	CELLULAR
Director of Lands and Resources	Zoltan Schafer	250-726-7342	250-723-7978	250-720-1177
Lands and Resources Department		250-726-7342 Ext 203		
Assets Manager	Spencer Touchie			778-942-0663
Sr. Lands and Resources Officer	Daryl Keeble			250-266-0226

External Contacts

Contact the following agencies immediately:

Environment Canada

24-hour spill reporting (Vancouver) (604) 666-6100

Canadian Coast Guard (for spills to tidal waters)

24-hour spill reporting (Vancouver) (604) 666-6011
 Supervisor, Contingency Planning (604) 209-6206

Western Canada Marine Response Corporation (WCMRC)

Transport Canada certified marine spill response organization (855) 294-9116

Other Government Contacts

Phone

Fisheries and Oceans (Vancouver)	1-800-465-4336
Fisheries and Oceans (Port Alberni)	(250) 720-4440
BC Ministry of Environment (Nanaimo)	(250) 751-3100
RCMP (Tofino)	(250) 725-3242
RCMP (Ucluelet)	(250) 726-7773