



## Purpose and Scope

The purpose of this document is to:

- Outline the requirements to store waste oils with regards to field location, size, soil type, ground conditions (relief), and length of time required.
- Clarify the quick and efficient response to accidental spills of used motor oil
- Minimize the potential for “adverse effects” from an accidental release, through consistent storage site selection criteria and handling guidelines

These requirements apply to Forest Resources and Contractors staff and operations.

## Procedure

### 1. Storage Sites

- Pre-plan storage site locations for waste oils. Storage sites must be located:
  - i. On a clay site to minimize any potential for leaching of spilled product where possible. If soils are not of a clay content sufficient to restrict product migration if released, an impermeable liner should be use within the storage and containment area.
  - ii. Away from potential ignition sources
  - iii. In areas not adjacent to vehicle or pedestrian traffic
  - iv. A minimum of 300 m from any watercourse
  - v. A minimum of 30 m from brush or standing timber
  - vi. A minimum of 6 m from buildings
- Storage sites must have secondary containment. Secondary containment will:
  - i. Contain the “total” contents plus 10% of product with no openings to the surrounding area.
  - ii. Not permit surface run-off water to enter and collect in containment area.
- Pre-plan sites for any potential of accidental product release. This includes having:
  - i. An emergency “Spill Response Kit” placed in an easily accessible location as per the DMI Fuel Management Field Guide.
  - ii. Current MSDS in an easily accessible location along with the site Emergency Preparedness and Response Plan with emergency contacts.
  - iii. All employees trained in the use of the EPRP, MSDS, and the Spill Response Kit.
- Waste Oil Storage sites must be clearly identified with the following:
  - i. WHMIS Labels
  - ii. TDG Placards

### 2. Inspections

- Inspections of waste oil storage sites will be conducted in accordance with FR-G013 Project Supervision and will be documented on CHK-011 Industrial Waste, Fuel and Facility Inspection.





- During inspections ensure:
  - i. Containers are upright with tight lids
  - ii. Containers are not leaking and there has been no spillage of product
  - iii. Surface runoff cannot enter secondary containment
  - iv. The integrity of berms or other secondary containment remains intact.

### 3. Training and Awareness

- Through discussions at safety meetings, ensure that staff are aware of:
  - i. The location of the storage site
  - ii. The location of Emergency Response Equipment (including PPE) and MSDS
  - iii. Spill response procedures
- Those expected to respond to spills are to be trained in spill response, including PPE requirements.
- Ensure handlers/carriers are competent. Any employee having access to or that may be exposed to this product must:
  - i. be trained in WHMIS
  - ii. receive any additional training on company handling / storage practices or procedures

### 4. Emergency Response

- Identify the product and secure the worksite:
  - i. Employee safety is always a first priority.
  - ii. Through local worksite knowledge, container labels, etc., identify the product.
  - iii. Where necessary notify affected workers, consider terminating operations
  - iv. Extinguish all potential ignition sources.
- Terminate/control/contain product flow:
  - i. Efficiently contain any amount of released product.
  - ii. Stop/minimize product release using any means available.
- Clean up Spill
  - i. Deploy spill kit and necessary equipment for product containment and clean up.
  - ii. For small (+/- 25 litres) spills, absorbents and hand tools may be used to contain and soak up the spill. Collect product and contaminated soil and store using secondary containment.
  - iii. For large spills (> 25 litres) refer to containment and clean up systems in the Emergency Response Plan. Consider heavy equipment to construct berms, collection pits, ditches, and culvert blocks.
- Product in water body.
  - i. Deploy "Spill Response Kit" to contain fluid if appropriate
  - ii. Contact the DMI Forest Resources Office immediately.
- Reporting



**DAISHOWA-MARUBENI  
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**Peace River Pulp Division**

**ENVIRONMENTAL MANAGEMENT SYSTEM  
USED MOTOR OIL HANDLING & RELEASE RESPONSE**

Functional Area:  
**ALL**

Document:  
**FR-E006**

- i. **Any release of any product of any amount into a water body is immediately reportable to DMI.**
- ii. This applies whether or not the product is controlled under the “Transportation of Dangerous Goods (TDG) Regulations” or the “Spill Reporting Guidelines” of Alberta Environment.
- iii. Any release of the product that may have an adverse affect on the environment is reportable under the “Spill Reporting Guidelines.” DMI is immediately responsible to report the incident to Alberta Environment (1-800-222-6514), followed by a written report within 7 days.
- iv. All incidents will be reported to DMI in accordance with FR-G013 Incident/Accident Reporting, using form CHK-007.

**References**

1. Alberta Environmental Protection and Enhancement Act, Waste Control Regulation AR 192/96
2. Alberta Environmental Protection and Enhancement Act, “Release Reporting Guidelines”, Alberta Environment Publication No. 1/792
3. Alberta Transportation, Technical Publication “Transportation of Used Motor Oil”, February, 2005.
4. Alberta Environmental Protection, “Alberta User Guide for Waste Managers”, August 1996.
5. Alberta Fire Code 52/1998
6. Alberta Timber Harvest Planning and Operating Ground Rules

**REVISION HISTORY**

|                  |                   |                         |
|------------------|-------------------|-------------------------|
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**APPROVAL:**

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