

The

Spill Prevention Control and Countermeasure Plan (SPCC)

Presented by

Environmental Management



**The University of Michigan
Department of Occupational Safety
and Environmental Health**

Agenda

✚ Overview of the plan

- What it is
- What regulations address it

✚ Effects of the plan

✚ Personnel involvement

Spill Prevention Control and Countermeasure Plan

What is the SPCC Plan?

- SPCC stands for Spill Prevention Control and Countermeasure
- The Plan required by the United States Environmental Protection Agency under 40 CFR 112
- The Plan outlines measures to prevent the discharge of **oil** into navigable waters



Definition of "Oil"

The Plan covers ALL forms of oil. The definition of oil according to 40 CFR 112 is:

- Oil of any kind or in any form, including but not limited to petroleum, fuel oil, sludge, oil refuse, kitchen grease, and oil mixed with wastes

Who is Required to Implement the Plan?

A facility is required to implement a SPCC Plan if any of the following apply:

- Total underground storage capacity is greater than 42,000 gallons or
- An aggregate above ground storage capacity is greater than 1,320 gallons, and 
- There is a reasonable expectation that a discharge could reach navigable waterways.

What is Required Under the Regulations?

The regulations require all affected facilities to have the following in place.

- A Written Plan
- Oil Storage Management/ Control
- UM Personnel Involvement
 - Inspections
 - Spill Prevention and Spill Control
 - Record keeping



Requirements of the Written Plan

The Plan must incorporate the following information:

- **General Information** — List facility contacts and numbers, address
- **Facility Description** — Describe the campus, the facility population, the operations of the facility, etc.
- **Facility Drainage** — Describe the drainage areas on a map; locate all storm drains and waterways nearby; and show drainage location by using a flow arrow.
- **Oil Storage, Distribution Use** — The various storage containers on campus are 55-gallon drums, underground and aboveground storage tanks, transformers, oil/water separators, and portable tanks.



Requirements of the Written Plan

- **Spill History** – List all spills that affected the navigable waterways in the past three years.
- **Prevention Controls** – overflow protection, high liquid level alarms, automatic shutoff, leak detection, and appropriate cathodic protection.
- **Loading and Unloading** – Ensure catchment is in place to hold the largest inner single compartment of the delivery truck.
- **Spill Response Plan** – A plan to show how to respond to any emergencies; OSEH and DPS have been trained and would be primary responders.



Requirements of the Written Plan

- **Inspections, Tests, and Records** – Inspections and tests are required to ensure there are no leaks from oil containers; records are to be kept on file for **three** years.



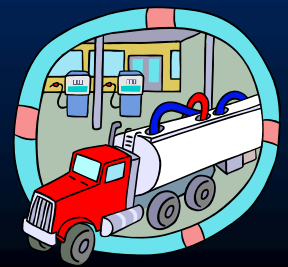
- **Annual Personnel Training** – An annual refresher is required to update personnel on any changes.

- **Security** – Ensure all oil containers are secured so no oil is released to the environment.

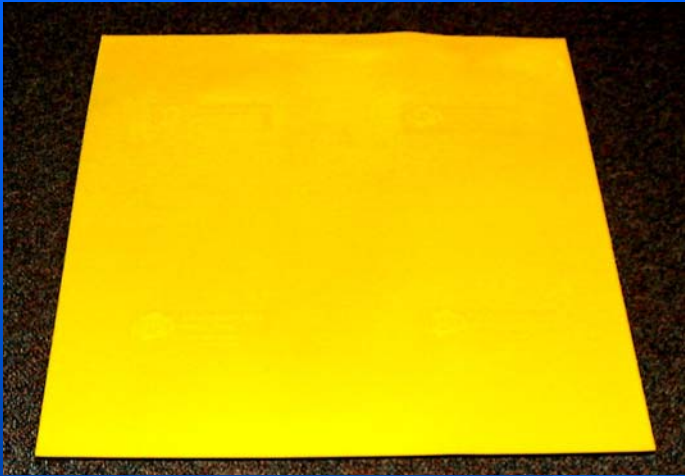


Oil Storage Management Control

- **Lighting** — Must be adequate enough to be able to discover any spills
- **Security** — Ensure containers are secured so oil is not released to the environment. This includes fences, entry gates, pad locks on the fill ports, and guards.
- **Secondary Containment** — All containers must have secondary containment ensure all releases are caught before entering a waterway.
- **Catchment during loading and unloading fuel** — Ensure catchment can hold the capacity of the largest inner single compartment of the delivery truck.



Unloading and Loading Catchment Examples



Storm drain temporary cover



Portable spill containment berm

U of M Personnel Involvement

Personnel will be responsible for the following:

- Monthly or quarterly inspections

All aboveground/ underground storage tanks and 55-gallon drums of oil must be inspected monthly.



- Spill prevention and spill control

- Contain all releases with absorbent material if the scene is safe. If the scene is not safe, contact OSEH at 763-4568.

- Record keeping

All records must be kept on site for **three years**.



Questions

Please contact OSEH, Environmental Management
at 936-1920