



Spill Prevention, Control and Countermeasure (SPCC) Training

Fort Jackson

2015

Origins of SPCC Regulatory History

- 1972 Clean Water Act
- Oil Pollution Act of 1990
- Spill Prevention Control and Countermeasures Rule Proposal in 1991

Origins of SPCC Regulatory Requirements



1988 Ashland Oil Spill – Pennsylvania
3.8 million gallons spilled
700,000 gallons in water

Origins of SPCC Regulatory Requirements



1989 Exxon Valdez – off the coast of Alaska
11.3 million gallons of oil spilled

Purpose of SPCC Rule

- Prevent oil discharges from reaching bodies of water
 - *Storm drains on Fort Jackson lead straight to lakes*
- Ensure effective response to the discharge of oil

Oil - SPCC

Means oil of any kind including:

- Oils and greases including petroleum oil, crude oil, refined oil, fuel (diesel, gasoline), sludge, synthetic oils, mineral oils, hydraulic fluid, oil mixed with wastes etc.
- Fats, oils or greases of animal, fish and marine animal origin;
- Vegetable oils including oils from seeds, nuts, fruit or kernels

SPCC Requirements

Containers Regulated under SPCC Include:

- Any oil storage container 55 gallons or greater
 - Bulk Storage - drums, tanks, containers
- Any empty container 55 gallons or greater capable of storing oil and not rendered unusable

Fort Jackson's SPCC Sources

- **Underground storage tanks**
 - 12 Fuel Oil #6 Tanks (50,000 gallons each) at Central Energy Plants

- **Above Ground Storage Tanks**
 - 58 Used Oil/Fuel Oil Tanks (various locations)
 - 24 Grease Tanks (DFACs)
 - Various 55 gallon drums
 - 13 Generator fuel tanks

Fort Jackson's SPCC Sources



Fort Jackson's SPCC Sources



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Fort Jackson's SPCC Sources



Fort Jackson's SPCC Sources



Fort Jackson's SPCC Plan

Fort Jackson's SPCC Plan includes:

- Description of oil storage locations
- Description of secondary containment
- Maps and other information describing the flow of a release
- Spill history, potential spill sources, spill prevention techniques
- Spill contingency plan
- Other applicable guidelines

Secondary Containment

- 40 CFR 112.6: *A secondary means of containment for the entire capacity of the largest single container plus additional capacity to contain precipitation.*



Spill Prevention

Good oil-handling practices can prevent spills:

- Check liquid level to prevent overfilling
 - *Most spills happen while filling*
- Keep lids and valves closed
- Inspect tanks and containers for leaks or damage



Spill Prevention



Clock Gauge – “Hour Hand” is Feet, “Minute Hand” is Inches

WHAT TO DO IF YOU HAVE A SPILL

- Remember.... SAFETY FIRST
- Secure And Evacuate The Area
- Report The Spill
 - All Spills over 5 gallons or any that reach a storm drain **MUST** be reported to the Fire Department (751-9111)!
- Extinguish ignition sources or smoking material.
- Identify the substance spilled and obtain appropriate PPE

WHAT TO DO IF YOU HAVE A SPILL

- Stop The Flow
- Contain The Spill
 - Stop the spread
 - Try to keep spills from reaching a storm drain
- Clean Up The Spill
 - Use absorbents to soak up spilled fluid
- Dispose of supplies properly
 - DO NOT throw contaminated materials in the dumpster!
 - Bring contaminated materials to Environmental (Bldg 2563)
 - *Reminder: Tips on how to dispose of almost anything are in your Environmental Guidebook!*

Spill Kits



Required near all tanks and oil-handling areas

Contain booms, pads, and other absorbents

Drum can be used to dispose of waste

Spill Kits



Booms

- Keep spills from spreading
- Float to contain sheens on water
- Protect storm drains

Pads

- Absorb oil for cleanup
- Don't absorb water – can float



Dry Sweep

- Absorbs oil for cleanup
- Prevents slippery surfaces
- Must be swept up and disposed of

Annual SPCC Training

Training is required under the SPCC Plan by federal regulation

- Employees who are involved in oil handling, transfer, storage, maintenance of oil equipment or spill response
- Training must be completed annually or if there is a significant change to the SPCC plan

Contact

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