

UNC Spill Prevention Control and Countermeasure (SPCC) Plan Construction Site Guidelines

Management of all fuel or oil in containers 55 gallons or greater in size shall be conducted in accordance with the Spill Prevention Control and Countermeasure (SPCC) requirements of the Code of Federal Regulations, Title 40, Part 112 (40 CFR 112). These containers of fuel and oil are also subject to the requirements of the UNC SPCC Plan.

Some general requirements are as follows:

- All containers shall be in good shape without significant rusting, pitting, or other evidence of deterioration or damage.
- Berms and/or other barriers shall be used to protect stored fuel and oil containers from damage due to construction activities.
- Adequate secondary containment shall be provided for all containers.
- Containers of fuel and oil shall be located on level and stable ground and not in close proximity to storm sewer inlets.
- Facility lighting shall be sufficient to discover discharges occurring during the hours of darkness and to prevent discharges from occurring through acts of vandalism.
- Fuel and oil delivery and transfer procedures shall be in accordance with the Fuel Transfer Procedures as referenced in the UNC SPCC Plan.
- Signage shall be provided to warn facility personnel of above-ground piping and/or fuel transfer operations.

All fuel and oil tanks shall comply with the following:

- Tanks shall be double walled with at least 110% secondary containment of the primary tank volume.
- Tanks shall be equipped with a direct vision gauge that clearly indicates the liquid level within the primary tank.
- Tanks shall be equipped with overfill prevention equipment consisting of either a high liquid level alarm or high liquid level flow cutoff device set at 95% of the primary tank volume.
- Tank openings shall be securely capped and/or locked when not in use.
- Motor control for fuel dispensing shall be locked in the off position, except when fueling is being conducted and will only be accessible to authorized personnel.
- A method to gauge the interstitial space between the primary and secondary tank walls using an automatic detection device with audible alarm or manual gauging using a probe device shall be available.
- A spill kit with sufficient sorbent, booms, and other cleanup materials shall be located in close proximity to each fuel tank or drum. The spill kits shall be sized to prevent all potential discharges related to the fuel tank or fuel loading activities from reaching storm sewer inlets.

Weekly inspections shall be conducted to inspect containers of fuel and oil that are 55 gallons or greater in size for signs of damage, deterioration, and oil discharges. Deficiencies shall be promptly remedied. Inspections shall be documented in writing, and records of the inspections shall be available for review by UNC personnel.

Additional SPCC requirements are contained in 40 CFR 112 and the UNC SPCC Plan. The UNC Department of Environment, Health & Safety can be contacted for more information on the UNC SPCC Plan at 919-962-5507.