



*Secondary containment is used to protect the area in the event of a spill.*

**DO**

- ✓ Locate the bulk liquid storage area where spill containment can be readily accomplished, away from floor drains, or where spills could reach water in the area designated in the permit.
- ✓ Secondary containment requirements (100% for indoor drums, 110% for outdoor drums) apply to bulk oil (motor, hydraulic, tack) and grease.
- ✓ Place containers that are in use on spill pallets.
- ✓ Bulk liquids may be moved with front-end loader, backhoe, forklift or other equipment. The container should be secured with chains or other restraining devices.
- ✓ Forklifts should have a barrel or tote lifter.
- ✓ Use a pump or valve and tilt rack to transfer bulk liquids to smaller containers or for use.
- ✓ Completely empty containers.
- ✓ Smaller containers should be stored indoors in locked cabinets and/or spill pallets.
- ✓ Fluid transfer from Bulk to small containers should occur over a spill pallet.

**DON'T**

- ✗ Don't allow any leaking containers to be unloaded from delivery trucks.
- ✗ Don't dispose of unused bulk liquids in any floor drains, streams, sinkholes, storm sewers, sanitary sewers or on the ground.
- ✗ Don't store drums upright in the outdoors where water can damage the container and contaminate the contents. Consider indoors storage of all drums.
- ✗ Do not store materials that can freeze in unheated areas.

**Materials & Waste Management**

- ▲ Empty drums that are not collected by the vendor shall be sent to a solid waste landfill.
- ▲ Spilled materials that are suitable for use can be returned to the tank or similar container.

**Facility Checklist**

- Check **ALL** bulk liquid deliveries to ensure all containers are intact before unloading.
- Check liquid bulk storage areas **MONTHLY** to ensure containers are intact.
- Check drums for labeling, bulging, rusting or other damage.
- Check spill kit **MONTHLY** and promptly restock after use.

**Tips and Tricks**

- ! Purchase oil in small containers (less than 50 gallons) to help keep from having to implement an SPCC plan.
- ! **Bulk liquids** are stored in 55 gallon or larger containers.
- ! AST's shall be clearly labeled and handled separately.
- ! **Empty** means "no removable residue" remains in the container.
- ! **Empty** for 55 gallon drums means less than 1 inch of liquid remains in the drum.
- ! SPCC requirements apply to bulk oil and grease storage.
- ! Empty drums found should be checked by UK Environmental Management and disposed of properly.
- ! Before sending marked or labeled drums to landfill, call vendor to request pick up.
- ! UK Environmental Mgmt. 859-323-6280

**If...Then**

- Have a spill kit and an empty barrel available at all times to contain spills or leaks.
- Contain and clean up spills using spill kits. See **Fact Sheets 10.1 and 10.2.**

**Training:** 1 per Year

**Season:** Spring

**Relevant Environmental Programs**

- |  |  |
|--|--|
| <input type="radio"/> Air Quality      | <input checked="" type="radio"/> GWPP  |
| <input type="radio"/> 401/404/WQC      | <input checked="" type="radio"/> Waste |
| <input checked="" type="radio"/> KPDES | <input type="radio"/> Pesticides       |
| <input checked="" type="radio"/> MS4   | <input checked="" type="radio"/> SPCC  |



## INFORMATION SOURCES

401 KAR 34:190. Tanks.

Kentucky Transportation Cabinet. *Environmental Awareness: A Road Master Training Course*. Undated. (Unit 4, Unit 5 Groundwater p 9, 21, 26, 29)

Kentucky Transportation Cabinet. *Groundwater Protection Plan for the Kentucky Transportation Cabinet's Marshall County Maintenance Facility and Operations, District One (1), County Number 079, Lot Number 450*. Undated. Benton, Kentucky.

Kentucky Transportation Cabinet. *Spill Prevention Control and Countermeasures Plan Template*. February, 2003. Frankfort, Kentucky.

Kentucky Transportation Cabinet and Kentucky Transportation Center. 2005. *Environmental Handbook for Management of Highways and Transportation Facilities*. (Fact Sheet 3.8)

New York State Department of Transportation. *Environmental Handbook for Transportation Operations A Summary of the Environmental Requirements and Best Practices for Maintaining and Constructing Highways and Transportation Systems*. Environmental Analysis Bureau. April, 2006. 40-44.

Ohio Department of Transportation. *Section 800 Hazardous Waste Management Manual*. Office of Environmental Services. Columbus, Ohio. April, 2004.

City of Bowling Green. 2006. *Environmental Handbook for City of Bowling Green Facilities Management*. (Fact Sheet 8.5)

## NOTES

- 1) UK Environmental Management is located at 355 Cooper Drive, Lexington, KY 40506-0490, 859-323-6280, [ehs.uky.edu/env](http://ehs.uky.edu/env).
- 2) KY Environmental Response Team 800-928-2380 or 502-564-2380