Environmental Quality Management

HANDLING BULK LIQUIDS

WWW.UKY.ENV/STORMWATER

The discharge of bulk liquids contributes significant pollutants to receiving water bodies. The University's MS4 Permit only allows clean water discharges into the stormwater system and requires that the University implement Best Management Practices to prevent the discharge of pollutants from campus. Proper delivery, storage, and handling of bulk liquids can prevent this type of illicit discharge.

DO

- ✓ Locate the bulk liquid storage area where spill containment can be readily accomplished, away from floor drains, or where spills could reach water.
- ✓ Place containers that are in use on spill pallets.
- ✓ Provide secondary containment (100 percent of the largest container for indoor drums, 110 percent for outdoor drums) for bulk oil (motor, hydraulic, tack) and grease.
- ✓ Transfer fluids from bulk to small containers over a spill pallet.
- ✓ Use a pump or valve and tilt rack to transfer bulk liquids to smaller containers for use.
- ✓ Secure containers with chains or other restraining devices when moving bulk liquids with front-end loaders, backhoes, forklifts, or other equipment.
- ✓ Utilize a barrel or tote lifter when using forklifts to move bulk liquids.
- ✓ Empty containers completely.
- ✓ Store smaller containers indoors in locked cabinets and/or on spill pallets.



Required Training: 1 per year

Relevant UK Departments:

- Environmental Quality Management
- Facilities Management
- Grounds
- Utilities and Energy Management
- Capital Project Management

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 outdoors where water can damage the container and contaminate the contents.
- ✗ Don't store materials that can freeze in unheated areas.

ADDITIONAL RECOMMENDATIONS/INFORMATION

- ➲ Empty drums that are not collected by the vendor should be sent to a solid waste landfill.
- ➲ Purchase/store oil in small containers (less than 55 gallons) to eliminate the need to implement an SPCC plan.
- ➲ SPCC requirements apply to both bulk oil and grease storage.
- ➲ Bulk liquids are those stored in 55 gallon or larger containers.
- ➲ Aboveground Storage Tanks (ASTs) shall be clearly labeled and handled separately.
- ➲ Spilled materials that are suitable for use can be returned to the tank or similar container.
- ➲ Have a spill kit and an empty barrel available at all times to contain spills or leaks.
- ➲ Contact Environmental Quality Management to report any spills.

ACTIVITY 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.