



Materials & Waste Management

- ▲ Separate fluorescent lamp ballasts from bulbs and manage as a hazardous waste if they contain PCBs.

- ▲ Manifests are not required for shipment.

Facility Checklist

- ☐ Check and approve Universal Waste storage location and methods.
- ☐ Check containers **QUARTERLY** to ensure containers are closed, sound and properly labeled.
- ☐ Ensure that Universal Wastes are removed by an appropriate handler **ANNUALLY**.

Tips and Tricks

- ! Universal Wastes are:
 - lamps
 - mercury containing equipment
 - non-alkaline batteries
 - PCB containing light ballasts
 - Certain unused pesticides
- ! Small quantity handlers generate less than 11,000 pounds per year of Universal Wastes.
- ! Spent lamps include: fluorescent lamps, high pressure sodium, mercury vapor, metal halide, high intensity discharge (HID) and neon bulbs or tubes.
- ! Lead acid batteries are typically exchanged when the new battery is purchased.
- ! Fluorescent lamps with a green cap are not TCLP hazardous and may be disposed as solid waste.
- ! UK Environmental Mgmt. 859-323-6280

If...Then

- Use a mercury spill cleanup kit to immediately clean up broken ampules.
- Call UK Environmental Management immediately in the event of a mercury spill.
- Sweep broken lamps and dispose of glass in the dumpster; include remaining lamp parts with Universal Waste.

Training: 1 per Year

Season: Winter

Relevant Environmental Programs

- ☐ Air Quality
- ☐ 401/404/WQC
- ☐ KPDES
- ☐ MS4

- ☐ GWPP
- ☒ Waste
- ☐ Pesticides
- ☐ SPCC

DO

- ✓ Store **spent lamps** that contain hazardous components in boxes, drums or other containers that are properly closed and labeled.
- ✓ Store waste **mercury thermostats** and **non-lead acid batteries** in closed, structurally sound containers.
- ✓ Repackage damaged universal waste containers in a closed, structurally sound container that is compatible with the waste and protects against damage and leaks.
- ✓ Clearly label the container "Universal Waste – (contents)".
- ✓ Store Universal Wastes for no longer than 1 year.
- ✓ Contact UK Environmental Management for assistance with wastes that contain mercury and other questions regarding universal waste.

DON'T

- ✗ Don't crush spent lamps.
- ✗ Don't remove mercury ampules from thermostats.
- ✗ Don't put Universal Wastes in the dumpster.



INFORMATION SOURCES

Kentucky Department for Environmental Protection. *Universal Waste*. Undated. Division of Waste Management. Frankfort, Kentucky.

Kentucky Transportation Cabinet. *Environmental Awareness: A Road Master Training Course*. Undated. (Unit 3)

Kentucky Transportation Cabinet and Kentucky Transportation Center. 2005. *Environmental Handbook for Management of Highways and Transportation Facilities*. (Fact Sheet 4.4)

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*. NYSDOT Environmental Analysis Bureau. April, 2006. 66.

City of Bowling Green. 2006. *Environmental Handbook for City of Bowling Green Facilities Management*. (Fact Sheet 9.3)

NOTES

- 1) UK Environmental Management is located at 355 Cooper Drive, Lexington, KY 40506-0490, 859-323-6280, ehs.uky.edu/env.