



The University of Kentucky encourages facilities to reduce, reuse, recycle and exchange to reduce environmental concerns, improve safety and reduce costs.

DO

- ✓ Reduce, reuse, recycle and exchange as the first step in managing solid waste.
- ✓ **Reduce** the amount of wastes generated and toxicity of products used to the greatest extent possible.
- ✓ **Reuse** concrete, asphalt and soil for road repair.
- ✓ **Recycle** newspaper, cardboard, glass, plastic and metal containers and items, copper wire and tubing, rubber, and other items at local recycling facilities.
- ✓ **Exchange** vehicle batteries, water pumps, carburetors, alternators, pesticide containers, etc., with vendors or when local purchases are made.
- ✓ Use available recycling contracts.
- ✓ Store materials for recycling in a location that is consistent with the permit.
- ✓ Divert runoff from recycling storage locations.
- ✓ Always ask for a Material Safety Data Sheet (MSDS) before ordering any new product.
- ✓ Keep lids on all solvents and turn off solvent parts washer when not in use.
- ✓ Have qualified personnel service equipment that contains Freon.

DON'T

- ✗ Don't throw away items that can be reused, recycled or exchanged.
- ✗ Don't accumulate batteries; avoid regulation.

Materials & Waste Management

- ▲ Follow appropriate guidelines from recycling contracts, vendors or recycling centers for allowable items, materials management, separation and transportation arrangement.
- ▲ Double wrap broken or cracked vehicle batteries in heavy plastic and exchange promptly.
- ▲ Refer to the UK Environmental Management Department "Battery Management" fact sheet for proper labeling of batteries.

Facility Checklist

- Check storage areas for recyclable materials to ensure that the handlers' conditions are being met.
- Check to ensure that materials are routinely transferred to a recycling vendor or facility.
- Assure all containers for recycling are properly labeled.

Tips and Tricks

- ! Containers that can be recycled: washer fluid, new oil, new anti-freeze, battery acid gas line anti-freeze, diesel conditioner, radiator cleaner, brake fluid, starting fluid, liquid soap, solvents, brake cleaner, carburetor cleaner, paints, toluene, hand cleaner, janitorial products, etc.
- ! Recycling contracts may be available for tires, batteries, anti-freeze, vehicle oils, oil filters, fuel filters, parts cleaning machine systems, etc.
- ! Recycling and exchanging materials is a good housekeeping practice and ensures compliance with hazardous waste and solid waste regulations and avoids costly penalties.
- ! Remember that "biodegradable" does not necessarily mean environmentally safe or that the product is exempt from regulations.
- ! Solvent losses due to evaporation, equipment leaks or spills and inappropriate usage can range from 25-40 percent
- ! UK Environmental Mgmt. 859-323-6280

If...Then

- If you are not sure whether an item can be recycled, contact UK PPD Recycling Department at 859-257-8491.

Training: 1 per Year

Season: Winter

Relevant Environmental Programs

- | | |
|--|--|
| <input type="radio"/> Air Quality | <input 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 type="radio"/> SPCC |



INFORMATION SOURCES

Kentucky Department for Environmental Protection. *Managing Automotive Repair Shop Wastes*. January, 1995. Division of Waste Management. Frankfort, Kentucky.

Kentucky Transportation Cabinet. *Environmental Awareness: A Road Master Training Course*. Undated. (Unit 3 pages 2-9; Unit 5 p 17)

Kentucky Transportation Cabinet and Kentucky Transportation Center. 2005. *Environmental Handbook for Management of Highways and Transportation Facilities*. (Fact Sheet 4.1)

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. 56-57.

Ohio Department of Transportation. *Section 800 Hazardous Waste Management Manual*. Office of Environmental Services. Columbus, Ohio. April, 2004. (814.15.4 AEROSOL CANS/COMPRESSED GAS CYLINDERS)

City of Bowling Green. 2006. *Environmental Handbook for City of Bowling Green Facilities Management*. (Fact Sheet 9.1)

NOTES

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