



Many concrete and metal construction materials can be reused or recycled.

DO

- ✓ Reuse or recycling are the preferred options.
- ✓ Disposal in a construction and demolition (C&D) or an approved solid waste landfill are less preferable options.
- ✓ Reuse concrete for road repair and Stormwater projects (gabion baskets, rip rap, fill).
- ✓ Reuse aluminum and steel guardrails for traffic barriers or retaining wall projects.
- ✓ Reuse metal drums for storing wastes.
- ✓ Use a drum recycling vendor to remove excess empty drums.
- ✓ Divert runoff from storage locations.
- ✓ Store concrete and metal in an orderly way to encourage reuse and recycling.
- ✓ Remove excess materials periodically to keep the site in good order.
- ✓ Insure no asbestos, lead based paint, or PCB containing caulking is disposed with the metal and concrete waste.

DON'T

- ✗ Don't allow water to collect on or in stored materials or drums.

Materials & Waste Management

- ▲ Concrete is considered “inert” material by the Division of Waste management and may be used as “clean fill” for projects.
- ▲ Concrete waste that can not be used in projects may be disposed in C &D waste landfills.
- ▲ Use a metal recycling vendor for metal items that cannot be reused.
- ▲ Metal items may be sent to an approved solid waste landfill.

Facility Checklist

- Check storage locations to ensure compliance with the permit.
- Check drainage to ensure runoff is diverted away from storage locations.
- Check to ensure wastes are stored separately by type of material.

Tips and Tricks

- ! C&D landfill disposal fees are lower than solid waste landfill fees.
- ! Metal and concrete wastes do not cause ground water pollution and are therefore excluded from the Ground Water Protection Plan.
- ! Construction projects by outside contractors may have additional or differing requirements. Check with the UK Project Manager or contract documents for guidance.
- ! UK Environmental Mgmt. 859-323-6280

If...Then

- If you are unsure if an item can be recycled or not, contact UK Environmental Management for assistance.

Training: 1 per Year

Season: Winter

Relevant Environmental Programs

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

- GWPP
- Waste
- Pesticides
- SPCC



INFORMATION SOURCES

Kentucky Transportation Cabinet. *Environmental Awareness: A Road Master Training Course*. Undated. (Concrete - Unit 3 p. 5, 17; Metal - Unit 3 p. 7, 16, 25; Exclusion - Unit 5 p. 33)

Kentucky Transportation Cabinet and Kentucky Transportation Center. 2005. *Environmental Handbook for Management of Highways and Transportation Facilities*. (Fact Sheet 4.8)

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. 20, 54-55.

City of Bowling Green. 2006. *Environmental Handbook for City of Bowling Green Facilities Management*. (Fact Sheet 9.7)

NOTES

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