

ANGELINA COLLEGE UNIVERSAL WASTE DISPOSAL INSTRUCTIONS	
NO. EI-02 6.2.b	TITLE: Lamp Disposal PAGE 2 of 5 ISSUED: 11/11 REVISED: 8/22

Introduction:

The Texas Commission on Environmental Quality (TCEQ) and the United States Environmental Protection Agency (EPA) developed and streamlined hazardous waste management requirements for collecting and managing certain widely generated hazardous waste by creating a "Universal Waste" category.

This rule is designed to:

- Reduce the amount of hazardous waste items in the municipal solid waste stream
- Encourage recycling and proper disposal
- Reduce regulatory burdens on entities that generate these wastes

All employees who handle or have responsibility for managing universal waste must be informed and trained as to the proper handling and emergency procedures appropriate to the type(s) of universal waste.

Universal Waste Covered:

Lamp means a bulb or certain portion of electric lighting device. A lamp is specifically designed to produce radiant energy. The lamps that are regulated will contain elevated levels of mercury or cadmium. All lamps that fail the TCLP test will be managed as universal waste at Angelina College. Lamps come in multiple shapes, sizes, and styles. Small compact, U-tubes, carline, four-foot, eight foot straight, and standard light tubes are all very common. Examples include but are not limited to:

- Fluorescent
- High Intensity Discharge (HID)
- Neon
- Mercury Vapor
- High Pressure Sodium
- Metal Halide

Disposal Procedure:

- Handle lamps in a manner that will prevent releases (breakage).
- Properly store lamps in a box or case to prevent breakage, preferably in the original box and in good shape with a secured lid.
- Do not leave individual lamps leaning in corners of rooms or hallways, lying unprotected on top of equipment, or on the floor.
- Label all lamp containers.
- Do not allow box/container to get wet.
- Do not tape bulbs together.
- Package bulbs tightly without separators or other packing.
- Do not mix different lengths or types of bulbs in a box.
- Boxes must be full to avoid the possibility of breakage.
- Immediately contain any releases and manage released material according to Broken Lamp Cleanup procedures.

Broken Lamp Cleanup:

- Wear leather gloves and eye protection.
- Avoid breathing the vapors.
- Do not dispose in the normal trash.
- Package broken bulbs in puncture resistant closable container (heavy cardboard box, trash container with lid, commercial broken glass container).

Universal Waste Storage Area:

The Universal Waste Storage Area is located inside the fenced area south of the Maintenance Shop.

Collection of Universal Wastes:

Contact the Physical Plant at ext. 5280.

If Unsure, Contact:

EH&S Manager at ext. 3244.