

ENVIRONMENTAL BEST MANAGEMENT PRACTICE
BMP No. 322
**Used Fluorescent and Mercury Containing
Lamp Management**

WHAT ARE USED FLUORESCENT AND MERCURY CONTAINING LAMPS?

Fluorescent lamps are identified by their small cross-sectional diameter and tubular bulbs. They come in various shapes including straight lengths, U-shaped, and circular configurations.

Mercury containing lamps consist of a cylindrical transparent or translucent arc which is further enclosed in a glass bulb or outer jacket. Examples of mercury containing High Intensity Discharge bulbs (HID) include mercury vapor and high-pressure sodium lamps.

WHAT DO I DO WHEN I HAVE BURNT OUT (SPENT) LIGHTS?

- Only designated personnel should change out or handle spent lights.
- Contact Morenci electricians and/or the designed contractor(s) to change out spent lights.

WHAT DO DESIGNATED PERSONNEL DO WITH BURNT OUT (SPENT) LIGHTS?

- No fluorescent or mercury containing lamps shall be placed in dumpsters for disposal at the county landfill.
- All new and spent fluorescent lamps and mercury containing lamps shall be handled in a manner to prevent breakage.
- **Spent fluorescent lamps and mercury containing lamps shall be placed in the empty lamp boxes to prevent them from breaking.**
- Empty boxes are available from Environmental Services.
- **Spent lamp boxes shall be closed except when adding spent lamps to the box.**
- Never cut the ends or sides of new boxes; always pull the ends open so they can be resealed by taping the ends.
- Lamps must not be taped together.
- Each box will be labeled on the visible end with the new Universal Waste label shown below. The date the first item is placed into box must be recorded in the space marked "Accumulation Start Date" while also checking the "Universal Waste – Lamp(s)". The Universal Waste Label should always be legible and on the box at all times. Replace all missing labels at once.

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UNIVERSAL WASTE	
FEDERAL LAW PROHIBITS IMPROPER DISPOSAL. THE FOLLOWING MATERIALS ARE REGULATED AS A UNIVERSAL WASTE IN ACCORDANCE WITH 40 CFR PART 273.	
<input type="checkbox"/>	UNIVERSAL WASTE - BATTERY(IES)
<input type="checkbox"/>	UNIVERSAL WASTE - MERCURY THERMOSTAT(S)
<input type="checkbox"/>	UNIVERSAL WASTE - MERCURY CONTAINING EQUIPMENT
<input type="checkbox"/>	UNIVERSAL WASTE - PESTICIDE(S)
<input checked="" type="checkbox"/>	UNIVERSAL WASTE - LAMP(S)
ACCUMULATION START DATE: _____ _____ _____	
<small>D.O.T. PROPER SHIPPING NAME AND UN OR NA NO. WITH PREFIX (REQUIRED DURING TRANSPORT, WHEN MATERIAL IS ALSO REGULATED BY 49CFR PARTS 172-180)</small>	
HANDLE WITH CARE!	
<small>Style UW007 © 2005 LABELMASTER® (800) 621-5808 www.labelmaster.com</small>	

DATE WHEN FIRST ITEM IS
 PLACED INTO BOX
 Ex: Nov 1, 2007

- Once the box is full write the number of lamps in the box next to the Universal Waste label.
- Full boxes must be transported to the storage/shipping area located at the Environmental Yard.
- All fluorescent bulbs must be shipped within one year from the start of their accumulation (date written on box).
- **Environmental representative or yard contractor will pick up boxes on a regular scheduled route. New boxes with labels attached will be provided when filled boxes are picked up.** Lamps transported to the Environmental Yard and must be stored as follows:
 - All lamps must be neatly stacked in designated areas and stored on pallets in rows to minimize breakage and provide easy access for inspection.
 - Boxes will be repackaged if necessary and be prepared for shipment to vendor.
- **When a new fluorescent lamp satellite area is requested, contact Environmental Services. An Environmental representative will schedule a time for setup and communicate instructions on the proper procedure for packaging lamps.**
- Broken lamps must be placed in a DOT approved drum/container used for the purpose of accumulating broken lamps. All lamp residues and fragments due to breakage shall be immediately cleaned-up and placed in the container. DOT approved drums/containers are available from the Environmental Services Department.
- Drum/container used to store residues and fragments shall be labeled with the words "Hazardous Waste" and the contents such as: "Broken Fluorescent Lamps" or "Broken Mercury Containing Lamps". (See BMP 313.)
- Spent fluorescent lamps or mercury containing lamps shall not be mixed with any other materials such as, but not limited to, solvents, batteries, scrap metal, scrap wood, or new fluorescent lamps.

WHAT HAPPENS TO THE USED FLUORESCENT LAMPS AND MERCURY CONTAINING LAMPS?

All lamps are recycled in order to minimize waste disposal costs and to reduce the volume of waste sent to landfills.

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EMPLOYEE TRAINING

- All New Hires or Transferred Employees who will handle fluorescent lamps and mercury containing lamps must receive universal and hazardous waste training from the Environmental Services Department within 90 days from hire. These employees may work up to 90 days with this waste stream provided they are under supervision at all times.
- All personnel handling fluorescent and mercury containing lamps shall receive hazardous waste management and universal waste training by the Environmental Services Department annually.

QUESTIONS OR NEED HELP? CONTACT:

Your Division Representatives: **Area Supervisor or Team Environmental Coordinator**

Enviro Representatives Phone Ext:

Jon Anderson	865-6009
Shanna Holguin (Townsite)	865-6225
Jorge Loya (Asbestos Sampling).....	865-7014
Bryan Taylor	865-6697

Enviro Representatives Cell Phones:

Jon Anderson	215-2730
Shanna Holguin (Townsite)	965-0245
Jorge Loya (Asbestos Sampling).....	965-1317
Bryan Taylor	965-2777

Environmental Services Office: **865-6000**

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