

# SECTION 13281 - REMOVAL OF FLUORESCENT LAMPS AND BALLASTS

## PART 1 - GENERAL

**1. Description:** This section specifies administrative and procedural requirements for work involving removal of fluorescent lamps, high-intensity discharge lamps and lamp ballasts.

### 2. References

2.1. Minnesota Pollution Control Agency (MPCA) Hazardous Waste Fact Sheet 4.20 (May 2000) - Managing Used Fluorescent Lamps, High-Intensity Discharge Lamps and PCB Ballasts

2.2. Hennepin County Hazardous Waste Ordinance, 2.04 - Standards for the Management of Special Hazardous Waste

2.3. Minnesota Pollution Control Agency Hazardous Waste Fact Sheet 2.20 (Nov. 1999) - Pilot Project for the Management of Special Hazardous Waste

**3. Definitions:** Hazardous Waste Training: Training courses covering awareness of hazardous wastes involved in demolition, proper handling, collection, labeling, storage and notification procedures for managing these wastes.

**4. Submittals:** The current edition of the Hazardous Waste Training Certificate

## PART 2 - EXECUTION

### 1. Fluorescent and High Intensity Discharge (HID) Lamps

1.1. Remove and collect fluorescent and HID lamps, including mercury vapor, high-pressure sodium, and metal halide without breaking.

1.2. The university shall provide containers for standard 4-foot by 8-foot lamps. Shorter lamps may be packaged with 4-foot and 8-foot units if packed to prevent movement, or they may be placed in any sturdy box. Advise the owner's representative five business days before the date the container is required. Notify the owner's representative when all fluorescent and HID lamps have been placed in the container and it is ready for pickup by the university. The university shall dispose of the container and its contents.

1.3. Any breakage of fluorescent or HID lamps shall be treated as hazardous material. Contact DEHS for proper handling procedures.

## **2. Ballasts Containing Polychlorinated Biphenyls (PCBs) or Diethylhexylphthalate**

2.1. Examine ballasts in fluorescent fixtures being removed from service. Ballasts will be either one or the other type of units:

2.1.1. Heavier than 5 pounds with a tarry, potting material around a capacitor that contains either PCBs or DEHP

2.1.2. Lightweight electronic or electromagnetic with no capacitor fluids. DEHP ballasts are marked “no PCBs,” but there is no marking on ballasts that contain PCBs.

2.2. Remove all heavy ballasts from the fixtures (PCBs and DEHP) and place them all in the same drum marked “PCB and non-PCB Heavy Ballasts.”

2.3. The university shall provide a ballast collection container at a predetermined, secure area within the project site. Advise the owner's representative five working days before the date that the container is required. Notify the owner's representative when all heavy ballasts have been placed in the container and it is ready for pickup from the predetermined, secure area within the project site. The university shall dispose of the container and its contents.

2.4. If the contractor finds a leaking ballast, contact the Department of Environmental Health and Safety (DEHS), (612) 626-6002 (workdays), (612) 624-7828 (after hours).

**End of Appendix K, Section 13281 - Removal of Fluorescent Lamps and Ballasts  
University of Minnesota Facilities Management  
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