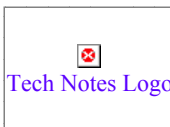


Technical Articles



Fluorescent Lamp Recycling

On July 6, 1999 EPA added hazardous waste fluorescent lamps to the federal list of "universal wastes". January 6, 2000 is the effective date of the final rule. The Universal Waste Rule of 1995 was designed to reduce the amount of RCRA hazardous waste disposed of in municipal waste landfills, encourage recycling and proper management of some common hazardous wastes, and reduce the regulatory burden on businesses currently managing these materials as hazardous waste. Options now include managing lamps as a hazardous waste, managing lamps under the universal waste rule, or using a type of lamp that is not hazardous as a waste. "Universal wastes" are hazardous wastes and are regulated under 40 CFR 273 and 25 PA Code 266b. General requirements for management of fluorescent lamps include:

- Treatment of universal wastes is not allowed without a permit (40 CFR 273.11 and 273.31)
- Provide appropriate management by safely storing lamps whole and unbroken (40 CFR 273.13 and 273.33)
- Properly mark and label waste lamps (40 CFR 273.14 and 273.34)
- Observe accumulation time limits (40 CR 273.15 and 273.35)
- Provide employee training (40 CFR 273.16 and 273.36)
- Observe transportation requirements (40 CFR 273.18 and 273.38)
- Large quantity handlers must maintain records (40 CFR 273.39(b))

These changes in federal regulation have been adopted into the Pennsylvania Hazardous Waste Management regulations, by reference, under chapter 260a.1. All non-residential generators will be required to either manage hazardous fluorescent lamps under the provisions of the universal waste rule or as a hazardous waste. The management of other mercury-containing lighting devices in Pennsylvania is not affected by the federal ruling and may continue to be managed for recycling under the existing pilot program. Recycling facilities of which we are aware for fluorescent lamps and other mercury-containing lighting devices include:

AERC
905 Harrison Street
Allentown, PA 18103
610-797-7608

Bethlehem Apparatus Co., Inc.
890 Front Street
Hellertown, PA 18055
610-838-7034

Earth Protection Services, Inc.
1823 William Penn Way, Suite 102
Lancaster, PA 17601
717-239-5900

ALTA Resource Management
88 – B Industry Avenue
Springfield, MA 01104-9926
413-734-3399

Salesco Systems
40 Messina Drive
Braintree, MA 02184
617-843-1224

USA Lamp & Ballast Recycling
5366 Este Avenue
Cincinnati, OH 45232
1-800-778-6645

Recyclights, Inc.
401 West 86th Street
Minneapolis, MN 55420-2707
1-800-831-2852

Global Recycling Technologies
387 Page Street
Stoughton, MA 02072
617-341-6080

Lighting Resources

498 Park 800 Drive
Greenwood, IN 46143
317-888-3889

Southeast Recycling Technologies
P.O. Box 845, 906 Chase Drive
Johnson City, TN 37604
423-282-2022

Mercury Waste Solutions
2007 West Country Road, C – 2
Roseville, MN 651-628-9370



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