

# Cleanlites Recycling South, LLC

## Joel Willard



# USA Lamp & Ballast Recycling, Inc. Locations

- Cleanlites Recycling South, LLC  
195 Ben Abi Rd. Spartanburg, SC 29307
- USA Lamp & Ballast Recycling, Inc.  
7806 Wayne Anthony Ave. Cincinnati, OH 45216
- Cleanlites Recycling, Inc. – Headquarters 665  
Hull Rd. Mason, MI 48854

# 1993 Universal Waste Rule Proposed

- “On February 11, 1993, the Environmental Protection Agency proposed new ... hazardous waste management regulations governing the collection and management of certain widely generated wastes... known as universal wastes.”

Federal Register: May 11, 1995 (Volume 60, Number 91)

# 1994 Universal Waste proposal ADDS Mercury Containing Lamps

- “Mercury is used in the production of fluorescent lamps, and as a result, a relatively high percentage of these lamps are hazardous waste when spent because they exhibit the toxicity characteristic for mercury.”
- “The July 27, 1994, proposed regulatory text for including mercury-containing lamps in the universal waste regulations was based on the February 11, 1993, proposed universal waste regulations.”
- Regulating these lamps as a universal waste under 40 CFR Part 273 provides better management of them and facilitates compliance with RCRA hazardous waste requirements.

# Is Universal Waste Regulated?

- **YES – Lamps, batteries, electronic equipment all contain toxic heavy metals. These metals are banned from solid waste landfills when disposed of by a business or government entity. Some states even ban residence from disposal into landfills**

# Cleanlites is a Universal Waste Processor

- Universal Waste consists of lamps, ballasts, batteries, electronic equipment and televisions.
- Universal Waste is regulated under 40 CFR 273.1 – 273.9



# Universal Waste Lamp Definition 40 CFR273.9

Referred to as "universal waste lamp" is the bulb or tube portion of an electric lighting device. Examples: fluorescent, high intensity discharge, cfl's, neon, mercury vapor, high pressure sodium, etc.



# Lamp Recycling Tour - Unloading



- First CRI unloads the lamps from the truck.
- We store all lamps at Cleanlites Recycling facility located at 195 Ben Abi Rd. Spartanburg, SC until they are ready to process.



# Lamp Recycling Tour - Storage



# Lamp Recycling Tour- Processing HID bulbs



# Lamp Recycling Tour – Processing 4", 8' u-shape, HID's and cfl's



- Box ends are cut open
- Removal of lamps from box onto conveyor by processor

# Lamp Recycling Tour – Processing Mercury from the lamps



# Lamp Recycling Tour – Processing Aluminum End Caps



# Lamp Recycling Tour – Processing Mercury from the lamps



# Lamp Recycling Tour – Other Waste Processing





Cleanlites Recycling South, LLC  
Joel Willard

Cleanlites.com

Email [joel@cleanlites.com](mailto:joel@cleanlites.com)

(864)579-4800