



SAN BERNARDINO COUNTY CUPA

UNIVERSAL WASTE RULE - HANDLING GUIDELINES FOR BUSINESSES

Presenter:

Angie Franco-Samayoa, REHS

Universal Waste Program

Contact: (909) 386-8401 or afranco@sbcfire.org

Website: www.sbcfire.org

Definitions

– Wastes – discarded by disposal or being recycled

– Hazardous wastes – listed as hazardous wastes or exhibit a characteristic of a hazardous waste

– Designated as universal wastes in regulation or statute 22 CCR 66273

Disclosure of Universal Waste

- ◆ In San Bernardino County, the CUPA has updated the Business Emergency/Contingency Plan to include disclosure of Universal Waste as locally collected information to ascertain what type of Universal Waste Permit is required, if any.

Universal Waste Permit Categories

- ◆ Conditionally Exempt Small Quantity Generator of Universal Waste - less than 220 lbs in any month of RCRA waste, no mercury thermostats and less than 5 CRTs generated in one year.
- ◆ Small Quantity Handler of Universal Waste - less than 11,000 lbs of UW at any time (excluding CRT weight). No more than 35 g of Mercury drained from gauges onsite.
- ◆ Large Quantity Handler of Universal Waste - No limit, but more than 11,000 lbs of UW at any time (excluding CRT weight). No more than 35g of Mercury drained from gauges onsite.
- ◆ Universal Waste Processor - Small or Large Quantity Handler of UW who is treating UW in accordance with §66273.13/33.
- ◆ Mercury-Receiving Facility – Facility that receives Mercury containing universal wastes from any off-site source.

Universal Waste

DTSC designated these “M-listed” wastes:

◆ M” Listings:

- M001 - Mercury light switch and vehicles with them
- M002 - Mercury switches and products with them
- M003 - Mercury-containing lamps
- M004 - Mercury-containing novelties

Universal Waste

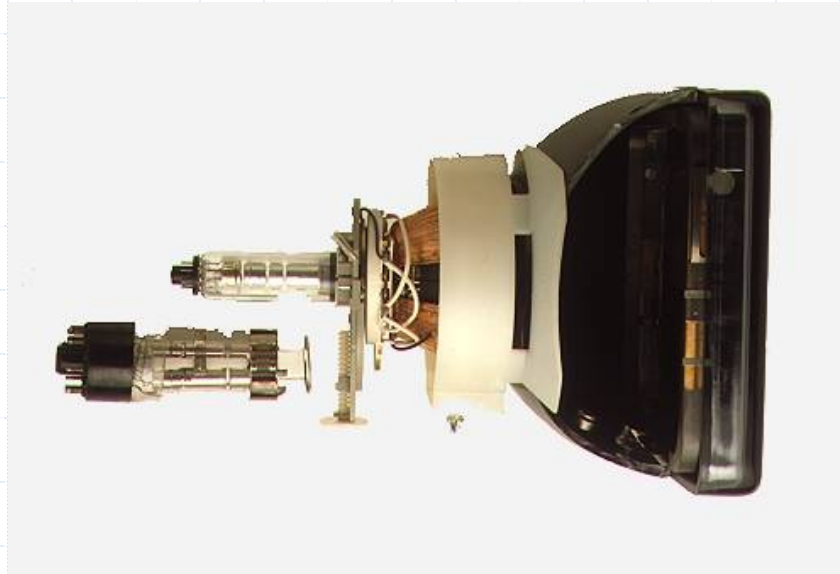
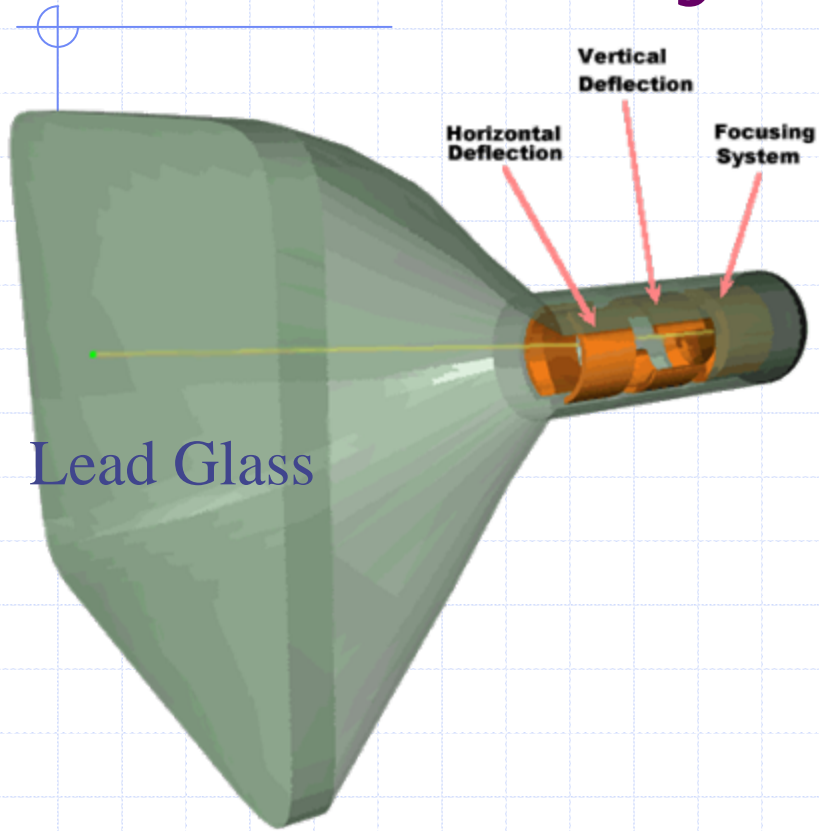
◆ What are Universal Wastes in California?

- Mercury-Containing Wastes
- Cathode Ray Tubes
- Consumer Electronic Devices
- Non-Empty Aerosol Cans
- Waste Dry-Cell Batteries

Mercury Universal Wastes



Cathode Ray Tubes



Consumer Electronic Devices

TITLE 22, CHAPTER 11, APPENDIX X (c):

The hazardous characteristics that serve as a basis for listing the common names of electronic wastes are indicated in the list as follows: **(X) toxic**, (C) corrosive, (I) ignitable, (R) reactive. For purposes of Health and Safety Code section 25214.10.1, devices marked with a pound symbol (#) were listed herein on or before July 1, 2004.

- # Cathode ray tube containing devices (CRT devices) with CRTs greater than four inches measured diagonally **(X)**
- # Cathode ray tubes (CRTs) greater than four inches measured diagonally **(X)**;
- # Computer monitors containing cathode ray tubes greater than four inches measured diagonally **(X)**
- # Laptop computers with liquid crystal display (LCD) screens greater than four inches measured diagonally **(X)**
- # LCD containing desktop monitors greater than four inches measured diagonally **(X)**
- # Televisions containing cathode ray tubes greater than four inches measured diagonally **(X)**
- Televisions containing liquid crystal display (LCD) screens greater than four inches measured diagonally **(X)** (added December 2004)
- Plasma televisions with screens greater than four inches measured diagonally **(X)** (added December 2004)

Consumer Electronic Devices



ANY SCREEN
GREATER THAN 4
INCHES IN
DIAMETER

>4 in



NON-EMPTY AEROSOL



**MUST NOTIFY CUPA IN WRITING 30 DAYS
BEFORE COMMENCING USE OF AN
AEROSOL PUNCTURING DEVICE.**

UNIVERSAL WASTE BATTERIES



What is expected of businesses?

- ◆ Accumulation Time Limit
- ◆ Record Keeping
- ◆ Containerization
- ◆ Labeling
- ◆ Response to Releases
- ◆ EPA Identification Number?
- ◆ Employee Training
- ◆ Authorized Treatment
- ◆ Foreign Export
- ◆ Recycling

Accumulation Time Limit

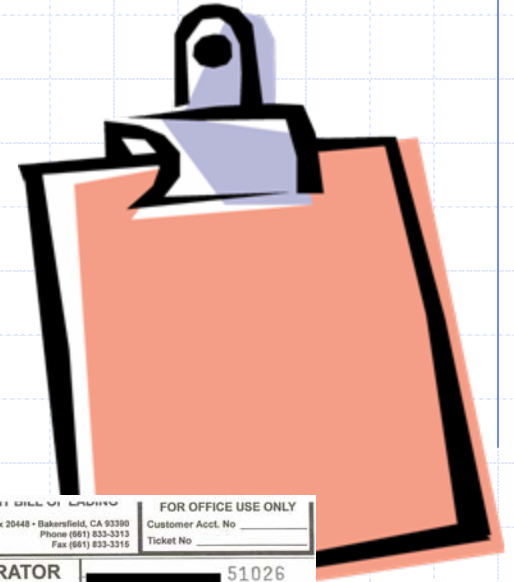
You may accumulate Universal Waste onsite for no more than one calendar year.



Record Keeping

You should keep records onsite for three years.

Records of recycling may be receipts from the collector/recycler who took your UW, Bill of Lading.



UNIFORM STANDARD BILL OF LADING

Central Valley Consulting, Inc. P.O. Box 20448 • Bakersfield, CA 93390
Phone (861) 833-3313 Fax (861) 833-3315

FOR OFFICE USE ONLY
Customer Acct. No. _____
Ticket No. _____

GENERATOR 51026

Billing Information
Name Charles Bantum Generating Location Joe Q. Public, Inc.
Address 1234 main Street
Barstow, CA 98231
Phone No. _____ I.D. No. 321-25-9632

MATERIAL CODE	DESCRIPTION	QUANTITY	UNITS	CODES
D x 1	4' FLUORESCENT TUBES	972 LF	(24) EA	D. DRUM B. BAG C. CARTON P. POUNDS Y. YARDS G. GALLONS O. OTHERS
D x 1	6' FLUORESCENT TUBES	336 LF	(56) EA	
D x 1	8' FLUORESCENT TUBES	440 LF	(55) EA	
D x 2	HID BULBS		(146) EA	

I hereby certify that the above listed material (s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. The each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

Bob Generator AUTHORIZED AGENT'S NAME (PRINT) 6/28/04 DATE Steve SIGNATURE

TRANSPORTER

Transporter's Name Transport Extralines Phone No. 909-386-8901
Address 620 N Edwards Street Driver's Name Chazz
SB, CA 92408 Vehicle's No. 007
JOB # 0007

I hereby certify that the above named material was picked up at the Generator site listed above and delivered without incident to the disposal facility listed below.

06/28/04 SHIPMENT DATE Chazz DRIVER'S SIGNATURE 6/28/04 DELIVERY DATE Chazz DRIVER'S SIGNATURE

RECYCLING FACILITY

Site Name FDSI Phone No. 909-976-2223
Address 2521 F Philadelphia St Suite C, Ontario, CA 91701
Permit No. _____ Time _____

I hereby certify that the above material has been accepted and that information presented on this document are true and accurate.

Steve NAME 7-11-04 DATE Steve SIGNATURE

RECYCLING FACILITY

Containerization

Container must be compatible with contents with closeable top.



Labeling

- ◆ Type of UW
- ◆ Accumulation Start Date
- ◆ Generator's Name

Universal Waste
Mercury Switches
Accum. Start Date: 05/31/2005
Green Auto &
Appliance Dismantler

Used Fluorescent Lamps
Acc Start Date: 06/14/2005
John's Expert Auto



Response to Releases

- ◆ §66273.17.&.37 -A large or small quantity handler of universal waste shall immediately contain all releases of universal wastes and other residues from universal wastes.



What is this?

When do you need an EPA Identification Number?

Handlers of Universal Waste who have more than 11,000 lbs (5,000 kg) onsite at any one time are required to obtain a Federal EPA Identification Number.

All other handlers of Universal Waste are not required to obtain an EPA Identification Number **solely** because they generate a Universal Waste.

Employee Training

- ◆ SQH - §66273.16 - A small quantity handler of universal waste shall inform all employees who handle or have responsibility for managing universal waste. The information shall describe proper handling and emergency procedures appropriate to the type(s) of universal waste handled at the facility.
- ◆ LQG - §66273.36 - A large quantity handler of universal waste shall ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relative to their responsibilities during normal facility operations and emergencies.

Authorized Treatment

- ◆ **Non-empty Aerosol Cans** – Aerosol Puncturing; MUST notify CUPA.
- ◆ **Batteries** – Sorting, mixing, discharging; disassembly of battery packs, removing batteries from consumer products.
- ◆ **Consumer Electronic Devices** – Disassembling, provided only discrete assemblies typically removed during normal operation (such as ink cartridge or batteries) are removed. The assemblies must be removed in the manner prescribed in the operating manual or that would otherwise be followed during normal use.
- ◆ **CRT Materials** – Removal of CRTs from the CRT device. Physical processes such as cutting, sawing, breakage, shredding, crushing, or compacting that change only the physical properties of the waste; Separation based on differences in size, color, density, or other physical properties; Screening to separate components based on size. Treatment MUST be conducted WITHOUT: Chemicals, including water, other than re-circulated coolant used in CRT cutting machines; external heat, other than from a pinpoint torch used to crack CRT glass for separation.
- ◆ **Gauges – Mercury Pressure or Vacuum** – Draining elemental mercury from pressure or vacuum gauges at the site where the gauges were generated.
- ◆ **Lamps** – removing lamps from products or structures.
- ◆ **Thermostats** – removing ampoules.
- ◆ **Mercury Switches** – removing mercury switches from motor vehicles, appliances and other products including novelties with mercury switches.
- ◆ **Novelties with Mercury-containing Batteries** – removing mercury-containing batteries from novelties.

Foreign Export

A handler of universal waste who sends consumer electronic devices to any foreign destination shall notify the Department (DTSC) **and** concurrently send a copy of that notification to the CUPA. A completed notification shall be submitted four weeks before the initial shipment is intended to be shipped offsite. This notification shall cover export activities extending over a twelve-month or lesser period.

Recycling

You are prohibited from discarding your Universal Waste as non-hazardous waste. It must be sent to an authorized Collector or Recycler of Universal Waste.

Questions?

San Bernardino County Fire Department –
Hazardous Materials Division/CUPA
Universal Waste Program

Angie Franco-Samayoa, REHS
(909) 386-8401

Email: afranco@sbcfire.org

Website: www.sbcfire.org