

newjersey **njdep**
department of environmental protection

Universal Waste Handler Inspector Perspective

Stephan Szardenings

Environmental Specialist 3

Northern Regional Office

Hazardous Waste Compliance & UST Enforcement

7 Ridgedale Avenue

Cedar Knolls, NJ 07927

Stephan.szardenings@dep.state.nj.us

(973) 656-4470

Remember your Universal Waste Streams:

“The Big 3”

- Lamps
- Batteries
- Consumer Electronics

Then the rest:

- Pesticides
- Oil-based Finishes
- Mercury containing devices

Universal Waste Handler - Issues Found During Inspections

- Using Proper Containers
- Labeling / Marking
- Accumulation Time
- Treatment / Disposal
- Record-keeping



Proper Containers



Proper Containers

- Must be structurally sound
- Adequate to prevent breakage (UW lamps)
- Must remain closed while in storage
- Compatible with the contents of the UW
- Must not show evidence of leakage, spillage
- Containers that do not meet the requirement must be overpacked (UW pesticides)

Example on how NOT to store
UW Lamps



Another example on how NOT to store UW Lamps



Example on how NOT to store
UW Lamps





12/16/2009



Improper container closure
and storage





Universal Waste - Lamps



Examples of Proper Containers

Universal Waste - Batteries



05/07/2008





#11

DO NOT ENTER

ACCEPTABLE LAMPS / LÁMPARAS ACEPTABLES
PLEASE REFER TO THE INSTRUCTIONS AND OTHER FOR THE TYPE AND
SPECIFICATIONS FOR THE BOX FOR THIS SIZE. DO NOT PLACE MORE THAN 10
LAMPS IN THE BOX AT ONE TIME. Call the number on the front of the box for more information.
The recycling center has been
certified by the Environmental Protection Agency (EPA) and is authorized to accept
fluorescent lamps and compact fluorescent lamps (CFLs) for recycling. This center
has been approved by the EPA for this purpose.

WHERE TO BUY / ¿DÓNDE COMPRAR
Please refer to the instructions and other for the type and
specifications for the box for this size. Call the number on the front of the box
for more information. The recycling center has been
certified by the Environmental Protection Agency (EPA) and is authorized to accept
fluorescent lamps and compact fluorescent lamps (CFLs) for recycling. This center
has been approved by the EPA for this purpose.

ABOUT US / ACERCA DE NOSOTROS
The recycling center has been certified by the Environmental Protection Agency (EPA) and is authorized to accept
fluorescent lamps and compact fluorescent lamps (CFLs) for recycling. This center
has been approved by the EPA for this purpose.

INSTRUCCIONES / INSTRUCTIONS
Please refer to the instructions and other for the type and
specifications for the box for this size. Call the number on the front of the box
for more information. The recycling center has been
certified by the Environmental Protection Agency (EPA) and is authorized to accept
fluorescent lamps and compact fluorescent lamps (CFLs) for recycling. This center
has been approved by the EPA for this purpose.

PREPARE 1 PREPARE
Remove the lamp from the box. Do not touch the glass part of the lamp.
Place the lamp in the bag and seal it. Do not place the lamp in the box
until you are ready to place it in the recycling center.

STEP 2 STEP 2
Place the bag in the box. Do not place the bag in the box until you are
ready to place it in the recycling center.

STEP 3 STEP 3
Place the box in the recycling center. Do not place the box in the recycling
center until you are ready to place it in the recycling center.

RECYCLEPAK
RECYCLING
FLUORESCENT LAMP RECYCLING BOX
DO NOT PLACE MORE THAN 10 LAMPS IN THE BOX AT ONE TIME.
CALL THE NUMBER ON THE FRONT OF THE BOX FOR MORE INFORMATION.
EPA APPROVED RECYCLING CENTER

09/28/2010



09/28/2010



Labeling Universal Wastes

UNIVERSAL WASTE

CONTENTS _____

ACCUMULATION START DATE _____
SHIPPER _____
ADDRESS _____
CITY, STATE, ZIP _____

UNIVERSAL WASTE

UWMV LABELMASTER® (800) 621-5808 www.labelmaster.com

Labeling / Marking

- Universal Wastes must be labeled / marked either by container or individually
- Simplest way to comply is using a piece of paper taped to a container. However, a purchased pre-printed label is acceptable
- Label must be clear, legible, and easily visible

Labeling / Marking

- Acceptable wording is:
 - “Universal Waste – Lamps”, “Used Lamps”, or “Waste Lamps”
 - “Universal Waste – Battery(ies)”, “Used Battery(ies)”, or “Waste Battery(ies)”
 - “Universal Waste – Consumer Electronics”
 - “Universal Waste – Pesticides”
 - “Universal Waste - Oil-Based Finishes”
 - “Universal Waste - Mercury Containing Devices”

Universal Waste - Consumer Electronics not properly marked





07/02/2010

ENTER



07/02/2010



AR-500NT

UNITED STATES
POSTAL SERVICE
FLAT MAIL TRAY

UNITED STATES
POSTAL SERVICE

07/02/2010

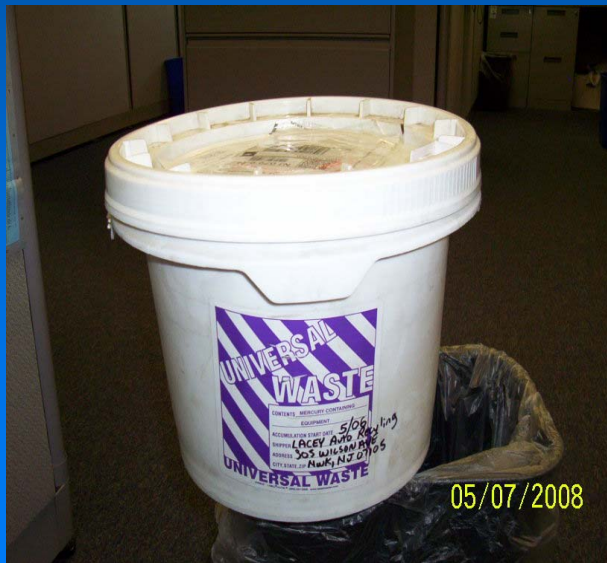
discarded
4/30/10



01/24/2012

Examples of Labeling / Marking Universal Waste

- Link for labels
http://www.ecy.wa.gov/programs/hwtr/hw_labels/index.html



Some of Universal Waste - Lamps shown here are marked
some unfortunately are NOT.



06/18/2008

Container holding Universal Waste - Lamps shown here properly marked, but improperly stored.





USED LAMPS

USED LAMPS

USED LAMPS

USED LAMPS

USED LAMPS

01/21/2009



Universal Waste -
Consumer Electronics
Month - AUGUST
Year - 2010
Weight (lbs) - 615

08/20/2010



Universal Waste -
Consumer Electronics
Month - Aug
Year - 2010
Weight (lbs) - 1
87

08/20/2010



Universal Waste -
Consumer Electronics
Month - *June*
Year - 2010
Weight (lbs) - *123*



LABEL
OTHER
END

LABEL
OTHER
END

UNITED STATES
POSTAL SERVICE

250

Universal Waste -
Consumer Electronics
Month - *May*
Year - 2010
Weight (lbs) - *58*



Universal Waste -
Consumer Electronics
Month - *May*
Year - 2010
Weight (lbs) - *358*



08/20/2010

Universal Waste –
Consumer Electronics

Month - *May*

Year – 2010

Weight (lbs) - *358*

08/20/2010

Accumulation Time

- Universal waste may be accumulated for no longer than one year from the date the universal waste is generated
- Simplest way to comply is by marking the container/equipment with the accumulation start date (most accurate)
- Maintain manifests, bill of lading, or invoices, showing proof of shipment offsite

UNIVERSAL WASTE

CONTENTS CRT - WASTE
(MONITOR)

ACCUMULATION START DATE 10/18/04

SHIPPER B46-134

ADDRESS _____

CITY, STATE, ZIP _____

~~AWAF PICK-UP DATE:~~ 10/18/04



Universal
Waste

01/01/2010

Treatment / Disposal

- Handlers are prohibited from diluting or treating universal waste (i.e. crushing lamps)
- Here is the link on lamp crushing:

<http://www.nj.gov/dep/enforcement/advisories/2005-13.pdf>

- Handlers are prohibited from disposing of universal waste

DO NOT PLACE IN REGULAR GARBAGE



DON'T TRASH FLUORESCENT LIGHT BULBS!

Take them to a Universal Waste Collection Center or Recycle Compact Fluorescent Lamps at a participating retail store.

Visit www.epa.gov/universalwaste for more information.

KEEP YOUR TRASH TOXIC-FREE



NO

**BATTERIES,
LIGHT BULBS,
ELECTRONICS,
OR MERCURY**



Keep batteries
out of the trash

RECYCLE

**LAPTOPS
TELEVISIONS
COMPUTER MONITORS
AUTOMOBILE BATTERIES
RECHARGEABLE BATTERIES
MERCURY ITEMS**

- THERMOMETERS
- THERMOSTATS
- SWITCHES
- FLUORESCENT BULBS

IT'S THE LAW

NO DUMPING Universal Waste



05/07/2009

Record-keeping

- Only Large Quantity Handlers are required to keep records of shipments of universal waste
- Acceptable records include logs, invoices, manifests, bill of lading etc.
- Records must show the name & address of the destination facility; the quantities & types of waste sent; and the date of shipment
- Records must be kept for three years
- Record-keeping optional for Small Quantity Handlers but recommended

This Shipping Order

must be properly filled in for a readable label, and
carrier, and retained by the agent

Shipper No. _____

Page _____ of _____

PRIME ENVIRO

Carrier No. _____

Date *11/8/10*

TO: *PRIME ENVIRONMENTAL*

FROM: *Bobst*

Street *28 E HANCOCK AVE*

Street *175 HARRISON AVE*

City *Newark NJ*

City *ROSELAND* State *NJ* Zip Code _____

Zip Code *07102*

24 Hr. Emergency Contact Tel. No. _____

No. of Units & Container Type	HM	BASIC DESCRIPTION Paper Shipping Name, Hazard Class, UN or NA Number, Paper Shipping Name, UN or NA Number, Packing Group	TOTAL QUANTITY (Weight Volume, Gross Net)	WEIGHT (Gross Net)	RATE	CHARGES (Per Container Per Unit)
<i>4</i>		<i>4 X 8FT Boxes of fluorescent bulb</i>				
<i>2</i>		<i>2 X 4FT Boxes of fluorescent bulb</i>				
<i>20</i>		<i>20 pieces Computer/monitor/Printer</i>	<i>Delivered to Newark 11/8/10</i>			
<i>Signature</i> <i>11/8/10</i>						

PLACARDS TENDERED: YES NO

BEAT
UNIT TO
DEGREE

COD Amt \$ _____

C.O.D. FEE
PER UNIT \$ _____

TOTAL
CHARGES \$ _____

FREIGHT CHARGES
PER UNIT \$ _____

SHIPPER _____ CARRIER _____

PER _____ PHH _____ **2**

DATE _____

Online Resources

- Inspection Checklists

<http://www.nj.gov/dep/enforcement/hw-chklists.html>

- Inspection Reports

<http://www.nj.gov/dep/opra/online.html>

- Fact Sheets

<http://www.state.nj.us/dep/dshw/lrm/uwaste/uwindex.htm>

- Rules & Regulations

<http://www.nj.gov/dep/dshw/resource/rules.htm>

Any Questions???



Please wait for panel discussion!!