



UNIVERSITY OF
GEORGIA

Facilities Management Division

Universal Waste Program 2018

FACILITIES MANAGEMENT DIVISION

1180 East Broad Street

Athens, Georgia 30602

Universal Waste

The Universal Waste Program is part of the Resource Conservation and Recovery Act (“RCRA”) created in 1995 to promote proper recycling, treatment or disposal of waste.



40 CFR 273

GA EPD 391-3-11-.18

Materials Covered

- Batteries Containing Heavy Metals
- Mercury Containing Lamps
- Thermostats and Mercury Containing Equipment
- Un-used Pesticides



Batteries



Includes:

- Nickel Cadmium, metal hydride, small sealed lead acid, lithium, mercuric oxide, zinc air, and silver oxide

Does not include:

- Intact lead acid batteries that are managed through a battery deposit system
- Leaking lead acid batteries that are managed as hazardous waste
- Alkaline batteries (e.g., A, AA, AAA, C, D)

Batteries

- The battery disposal program also includes:
 - Ni-Cad Pager batteries
 - Cell phone batteries
 - Laptop batteries
 - Emergency lighting batteries



Mercury Containing Lamps

- “Lamp” is the bulb or tube portion of an electric lighting device
- Universal Waste Lamps include:
 - Fluorescent
 - High Intensity Discharge
 - Neon
 - Mercury Vapor
 - High Pressure Sodium
 - Metal Halide



Thermostats and Other Mercury Containing Devices

All waste thermostats and other mercury containing devices must be managed as universal waste except those that are considered hazardous waste.



Pesticides

Any pesticide waste material that is outdated, recalled, or canceled, must be managed in accordance with applicable hazardous waste rules.



The great expectations held for DDT have been realized. During 1946, exhaustive scientific tests have shown that, when properly used, DDT kills a host of destructive insect pests, and is a benefactor of all humanity.

Pennsalt produces DDT and its products in all standard forms and is now

one of the country's largest producers of this amazing insecticide. Today, everyone can enjoy added comfort, health and safety through the insect-killing powers of Pennsalt DDT products . . . and DDT is only one of Pennsalt's many chemical products which benefit industry, farm and home.



GOOD FOR STEERS—beef grows meatier nowadays . . . for it's a scientific fact that—compared to untreated cattle—beef-steers gain up to 50 pounds extra when protected from horn flies and many other pests with DDT insecticides.



KNOX FOR THE HOME—helps **Knox** to make healthier, more comfortable homes . . . protects your family from dangerous insect pests. Use Knox-Out DDT Powders and Sprays as directed . . . then watch the bugs "bite the dust"!



GOOD FOR FRUITS—bigger apples, juicier fruits that are free from unsightly worms . . . all benefits resulting from DDT dusts and sprays.



KNOX FOR DAIRIES—Up to 20% more milk . . . more butter . . . more cheese . . . tests prove greater milk production when dairy cows are protected from the annoyance of many insects with DDT insecticides like Knox-Out Stock and Barn Spray.



GOOD FOR ROW CROPS—25 more barrels of potatoes per acre . . . actual DDT tests have shown crop increases like this! DDT dusts and sprays help truck farmers pass these gains along to you.



87 Years' Service to Industry • Farm • Home

PENNSYLVANIA SALT MANUFACTURING COMPANY
WIDENER BUILDING, PHILADELPHIA 7, PA.



KNOX FOR INDUSTRY—Food processing plants, laundries, dry cleaning plants, hotels . . . dozens of industries gain effective bug control, more pleasant work conditions with Pennsalt DDT products.

Lamp Storage

Both new and waste lamps must be stored in containers that are:

- Closed
- Structurally Sound
- Adequate to prevent breakage
- Lacking evidence of leakage, spillage, or damage that could cause leakage



Waste Lamp Labeling

When a container is used for waste collection, it must be labeled with:

“UGA”

“Waste Lamps”

“Start Date”

- Do not store lamp boxes in stacks higher than 5 feet tall.
- Store boxes inside.
- Do not throw single lamps in the dumpster.



Broken Lamps

- Broken lamps are considered to be a hazardous waste.
- If one lamp breaks, close the container and seal the seams with tape. Do not re-open.



Battery Storage

- Batteries must be stored in a manner to prevent leaks.
- Batteries are not required to be stored inside a container unless they show evidence of damage or leaks.





Battery Labeling

- Individual or a container of batteries must be labeled with:

“UGA”

“Waste Battery”

“Start Date”

- Waste batteries should be stored inside or in a weather proof location and on a pallet or in a labeled container until disposed.
- Small batteries should be labeled and kept inside an appropriate container.

Waste Pesticide Storage

Each waste pesticide container must be labeled with:

- The product name that was on the label of the original container when it was sold and marked with:

“UGA”

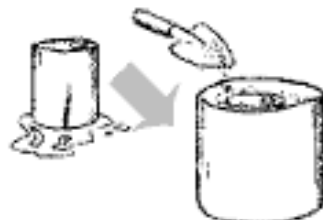
“Waste Pesticide”

“Start Date”

- Waste pesticides should be stored in a proper storage area.
- Spills should be handled only by trained personnel.

LEAKING CONTAINERS

Pack into a larger container with an absorbent material such as sand, soil or cat litter – not sawdust.



SURPLUS PESTICIDES

Use the pesticide for its intended application, but avoid over-application.



RINSINGS

Use rinsings in the application, or store in the original labelled container, marked as rinsings, for later use.



CONTAMINATED CONTAINERS & NON-DEPLETED AEROSOLS

Treat these containers, and any contaminated packaging, as pesticide wastes. (Remember, only cleaned, i.e. at least triple-rinsed, containers, and depleted aerosols, may be disposed of in normal domestic waste collections.)



POWDER SPILL

Recover as much as possible and return it to container. Clean up and dispose of remaining, unusable portion.



LIQUID SPILL ON SAND OR SOIL

Collect all contaminated sand or soil in a heavy-duty plastic bag or rigid container.



LIQUID SPILL ON SOLID SURFACE

Clean up splashes with rags or absorbent paper. Put contaminated cleaning materials in a heavy-duty plastic bag or rigid container.



LABEL
accurately and
STORE
in a sealed
container in a cool
secure place
BEFORE
DISPOSAL

FOR MORE INFORMATION

your local council •
Environment Protection Authority •

DISPOSE OF PESTICIDE WASTES

• at a chemical collection centre
• via a licensed waste contractor

Waste Mercury Containing Devices

- Should be stored in a closed container.
- Lack evidence of leakage or damage.
- Designed to prevent the escape of mercury into the environment.
- Labeled with:

“UGA”

“Waste Mercury Containing
Equipment”

“Start Date”

Common EPA Violations

- Failure to properly label.
- Failure to store items in a way that will prevent release.
- Improper management of waste (i.e., – disposal in a trash can)
- Waste stored in an open container.
- Failure to immediately contain a spill.
- Failure to provide Universal Waste Training.



What to do...

If you see **Universal Waste violations**, please notify:

Lamps – **FMD Building Services**
542 - 1818

Batteries – ***Environmental Safety Division***
542 - 5801

Mercury Containing Devices or Pesticides –
Environmental Safety Division
542 - 5801

Universal Waste Collection Points

Waste battery and lamp collection points are located in each Resident Instruction Building and in the Building Services Supervisor's office.

The FMD warehouse is the campus collection point for waste lamp materials.

fmdwork@uga.edu

To request a waste pick-up

Need Additional Information?

UGA Facilities Management 542-7456

UGA Environmental Safety Division 542-5801

EPA Universal Waste Website

<http://www.epa.gov/epaoswer/hazwaste/id/univwast/index.htm>

EPA FAQ

<http://www.epa.gov/epaoswer/hazwaste/id/univwast/frequent.htm>



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