



# Washington County FULL SERVICE HAZARDOUS WASTE COLLECTION

## **Where Does Your Waste Go? From Here to Where?**

### Hazardous Waste Collection

#### Flammable and Combustible Materials

These items normally brought in quart, gallon or 5 gallon containers are bulked into 55-gallon drums. Later these drums are pumped into 5,000-gallon tankers and sent to cement kilns. Cement kilns manufacture cement and use the waste material as a fuel in their process. The waste material is used as a fuel to turn the turbines. This waste disposal method is referred to as FUELS BLENDING.

*Examples: Oil based paints, lacquer thinners, old gas, contaminated oil, solvents, mineral spirits, deck sealers, stains, varnishes, brake fluid, furniture polish.*



#### Toxic Pesticides, Insecticides, Reactive, Oxidizers, Flammable Solids, Dioxins, Spontaneously Combustible Materials

Items are segregated by hazard class...packaged into 55-gallon drums and sent to an EPA Hazardous Waste Incinerator.

*Examples: DDT, Lindane, 2,4 D, Malathion, Weed-B-Gone, Diazinon, Arsenic, Chlordane, liquid fertilizers, road flares, Naphtalene, moth balls, bug sprays, rat poison, pool chemicals, photographic chemicals, fiberglass epoxy, Silvex, Pentachlorophenol.*

#### Corrosive Materials – Acid and Bases

Items are segregated into acid and base drums. Materials are sent to a treatment facility that adjusts the pH and disposes of chemicals by wastewater treatment.

*Examples: Sulfuric Acid, Hydrochloric Acid, Phosphoric Acid, Potassium Hydroxide, Sodium Hydroxide, Ammonia Hydroxide.*



#### Mercury

Items are packaged into 5-gallon pails, drums or boxes and sent to a facility for recycling. Free flowing mercury is drained from devices. Empty devices are placed into thermal unit and heated to 700 degree to volatilize any residual mercury on devices. Mercury is containerized and sent for recycling.

*Examples: Elemental Mercury, thermostats, thermometer, switches, manometers, florescent tubes, compact florescent light bulbs.*

#### Asbestos

Items are packaged into 55-gallon fiber drums or cubic yd boxes and sent for landfill at Subtitle D Landfill.

*Examples: floor/ceiling tiles, insulation*

## Electronic Collection (E-Goods)

Usable parts which are collected from the E-goods Collection will be recycled and used to build computer systems for non-profit agencies. Hard drives will be electro-magnetized (making data corrupt and unusable) protecting against any chances of identity theft. If you feel more comfortable to do this yourself and safe guard your – remove and smash the hard drive on your computer.



All computer electronics, bulbs, lamps and batteries will be de-manufactured and recycled. Keep America's landfills from overflowing with items that will never degrade, saving open land for future use, other than landfills!

## Medicine Collection

All medicines received are sorted by professional volunteer pharmacists and categorized by 1) over-the-counter medications; 2) prescription medications; and 3) controlled substances. Prescription and controlled substance items are retained in bulked containers. Vials which hold the medicines and personal information are properly disposed. The waste hauler is responsible to dispose of the over-the-counter medications. The prescription medications and controlled substances are securely sealed by the Sheriff's Department personnel, then transported by law enforcement officer's to a secure location inside the Washington County Sheriff's Department. The containers are temporarily held in storage until the fall of the year where they are then destroyed through what is called a "controlled witness burn" conducted and coordinated through the contracted waste hauler and the Sheriff's Department.



## Used Tire Collection

Scrap tires received through the Tire Collection are finely by size-reduction techniques designed to achieve a range of particle sizes as small as 600 microns. Various mesh sizes of crumb rubber become the ideal raw material for a wide variety of applications, including molded rubber goods and adhesives.



Larger sized tires are used for civil engineering applications as a substitute for stone aggregates, or as fuel to power kilns, mills and power plants. Smaller sizes are incorporated into a number of industrial, athletic field, paving and landscaping applications.

Recycled rubber is also used in manufacturing, as a tire derived fuel for use in industry, or as rubber mulch in landscaping and playground applications. Rubberized asphalt is a high-performance alternative to traditional paving material. As a mix of asphalt and recycled rubber derived from scrap tires, rubberized asphalt is longer lasting, safer, less costly and friendlier to the environment. As manufacturers discover the inherent value of recycling, they are improving upon functions of the long-lasting characteristics of rubber and are embracing the environmental impacts meeting green conservation goals.

*Thank You!*