



**Tucson/Pima County**

# ***HHW & YOUR CARBON FOOTPRINT***



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# Talking Points

- Overview of Household Hazardous Waste (HHW) Program
- Overview of the Small Business Waste Assistance Program (SBWAP)
- How can we help you achieve your goals



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# What is HHW?

- Unwanted homeowner products that have the same qualities as a hazardous waste described in *Hazardous Waste Rules*



**Toxic/Poisonous**



**Flammable**



**Corrosive**



**Reactive**



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# Common HHW Materials

- Automotive Fluids
- Auto Batteries
- Household Cleaners



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# Common HHW Materials

- Pesticides/Herbicides
- Paint Related Products



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# Common HHW Materials

- Fluorescent Bulbs/Lamps



- Computer Equipment



- Pb, Hg, Cd, & Cr



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# Other Materials

- Engine Oil Filters
- Rechargeable Batteries (Ni-Cd, Ni-MH, Li-ion, Pb)
- Lithium Batteries
- Drain Openers
- Cooking Oil
- Mercury Containing Products
- Solvents
- Hobby Chemicals
- Lawn & Garden products
- Pool Chemicals
- Propane Cylinders
- Printer Cartridges

**Items Labeled: Acid, Caustic, Flammable, Poison, Caution, Toxic, Danger or Warning**



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# Materials NOT Accepted

- Business or Commercial Waste
  - (accepted through the Small Business Waste Assistance Program)
- Commercial Gas Cylinders
- Explosives or Ammunition
- Infectious or Radioactive Wastes
- Medications
  - (prescription drugs, other medications or tablets)



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# Benefits of HHW

- Protect children's health by minimizing potential home exposure
- Safeguard groundwater from potential leaching of contaminants
- Protect Pima County's ability to effectively treat wastewater
- Conserve valuable landfill space
- Protect solid waste workers' health



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# Commercial Waste

- Small Business Waste Assistance Program (SBWAP)



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# What is SBWAP?

- Provides a safe and affordable disposal/recycling option for commercial hazardous materials/waste
- Is part of the HHW Program located at 2440 W. Sweetwater Drive, Tucson, AZ
- Operated by the City of Tucson Environmental Services Department



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# SBWAP

- Designed for qualifying businesses – Conditionally Exempt Small Quantity Generators (CESQGs)
- Must operate within Pima County boundaries
- Fee based program designed to recover disposal and handling costs
- Registration required with company certification of generator status



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# CESQG

- Generates no more than 100 kg or 220 lb of hazardous waste in a calendar month;
- Accumulates no more than 1,000 kg or 2,200 lb of hazardous waste at any one time;
- Generates or accumulates no more than 1 kg or 2.2 lb of acute hazardous waste in a calendar month; and



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# CESQG (cont'd)

- Generates or accumulates no more than 100 kg or 220 lb of any residue or contaminated soil, waste, or other debris resulting from the cleanup of a spill, into or on any land or water, of any acute hazardous waste.



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# Who uses SBWAP?

- Woodworkers
- Auto repair shops
- Print shops
- Painting contractors
- Pest control
- Photo shops
- Other businesses that may generate industrial/commercial waste paints, solvents, industrial cleaners, pesticides, caustics, oils, or other chemicals



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# Fate of SBWAP Waste

- Handled, bulked & stored by trained technicians
- Ship to Treatment Storage Disposal Facility (TSDf) or recycling facilities
- Maintain documentation of waste received and waste shipped
- Maintain compliance with applicable local, state, and federal regulations



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# Your Carbon Footprint – HHW's Reduction Efforts

- Consolidation for Recycling or Disposal
  - Flammable liquids & paint sludge (fuels blending)
  - Latex Sludge & Soap & Wax (fuels blending)
  - Used oil (re-refined – industrial grade lubricant)
  - Batteries (lead, nickel, & cadmium smelting)
  - Computer equipment (refurbished & recycled)
  - Fluorescent lamps (mercury recovery)

98% annual recycling rate  
620 tons of hazmat processed



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# Your Carbon Footprint – HHW's Reduction Efforts

- Drop & Swap (reuse)
  - 22,000 items of usable products recycled each year
  - 23,000 gallons of recycled latex paint

Public Savings: \$234,000

Disposal Savings: \$55,000

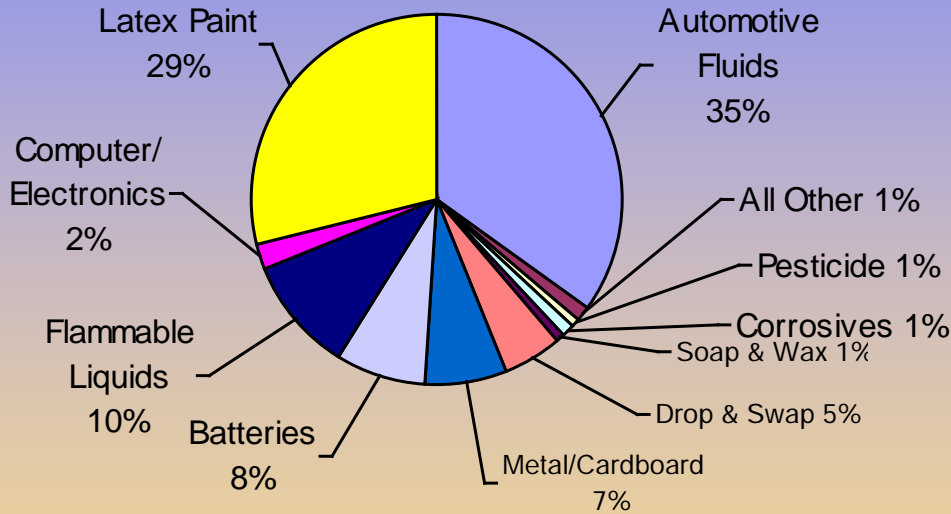


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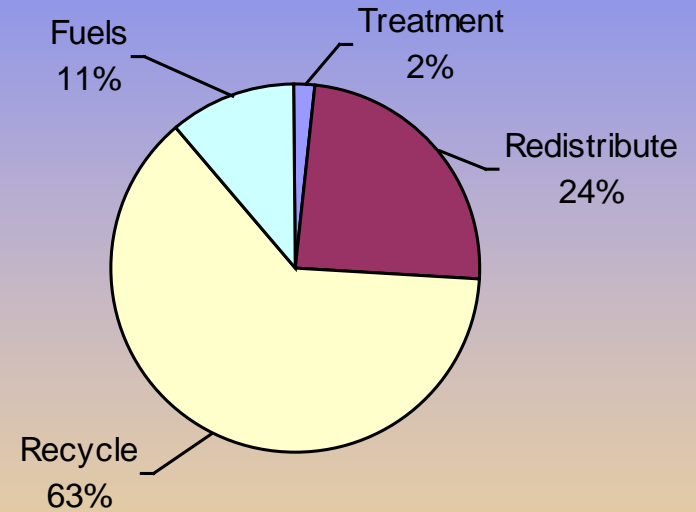
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# Waste Materials

## DIVERTED MATERIALS



## FATE OF DIVERTED MATERIALS



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# How HHW & SBWAP Can Help?

- Bring your HHW to a drop-off site
- Sign up your business with the SBWAP



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# *Household Hazardous Waste Program Facility*



*2440 W. Sweetwater Drive*



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# HHW Webpage

Household Hazardous Waste | Environmental Services - Microsoft Internet Explorer provided by City of Tucson ES Department

http://esd.tucsonaz.gov/content/household-hazardous-waste

Household Hazardous Waste | Environmental Services

CITY HOME E-SERVICES CITY CALENDAR VISITORS BUSINESS SITE MAP CITY CONTACTS ORDER CONTAINERS

ENVIRONMENTAL SERVICES

ESD HOME CUSTOMER SERVICES EDUCATION AND OUTREACH ABOUT TUCSON ESD ORDER CONTAINERS SERVICE REQUEST

620-791-3171  
eshelp@tucsonaz.gov

Home » Customer Services » Household Hazardous Waste

## Household Hazardous Waste

### HHW - What You Can Do

For Locations and Hours click [here](#).

**Five Steps You Can Take**

1. Buy only what you need.
2. Read and follow labels.
3. Store properly and in labeled containers.
4. Take leftover quantities to the drop-off site.
5. Use safe alternative products when possible.

**Please Bring:**

- Automotive Fluids
- Engine Oil Filters
- Auto Batteries
- Rechargeable Batteries (Ni-Cd, NiMH, Li-ion, Pb)
- Small Button Batteries
- Lithium Batteries
- Cleaning Products
- Drain Openers
- Cooking Oil
- Mercury Containing Products
- Fluorescent Lamps

**What's New**

- 2010 Holiday Collection Schedule Service Update
- Contact Us
- 2010 Financial Sustainability Report
- Right Size your Can-- Order your new container online
- Chapter 15 of City Code related to Environmental Services (Revised)
- Household Hazardous Waste Program 2009 Annual Report

SEARCH

Collection Schedule Map

What's New

I want to: --Choose--

Do More Blue

[www.tucsonaz.gov/hhw](http://www.tucsonaz.gov/hhw)



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# How to Register?

- SBWAP registration package:
  - Available on-line and upon request
  - Includes cover letter, certification form, SBWAP Fee Schedule, and directions to facility
  - Submit certification form and material safety data sheets
  - Deliver waste materials on scheduled dates



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# SBWAP Webpage

Small Business Waste Assistance Program (SBWAP) | Environmental Services - Microsoft Internet Explorer provided by City of Tucson

http://esd.tucsonaz.gov/content/commerical\_hazardous\_waste

Small Business Waste Assistance Program (SBWAP) | ...

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**CITY OF TUCSON** ENVIRONMENTAL SERVICES

ESD HOME CUSTOMER SERVICES EDUCATION AND OUTREACH ABOUT TUCSON ESD ORDER CONTAINERS SERVICE REQUEST

CUSTOMER SERVICE 520-791-3171 esheh@tucsonaz.gov

Home » Customer Services » Household Hazardous Waste

## Small Business Waste Assistance Program (SBWAP)

The Small Business Waste Assistance Program (SBWAP) provides a safe and affordable disposal/recycling option for your business's hazardous waste. SBWAP is part of the City of Tucson/Pima County Household Hazardous Waste Program and is operated by the City of Tucson Environmental Services Department.

**Who can Use the SBWAP?**  
Almost any business that generates small quantities of hazardous waste and operates as a Conditionally Exempt Small Quantity Generator (CESQG) can use the program. A CESQG is a business that is exempt from most state and federal hazardous waste disposal regulations so long as it generates very small quantities of hazardous waste and ensures delivery of its waste to a permitted facility.

**Where does the Waste Go?**  
Waste received at the Household Hazardous Waste Facility (HHWF) on West Sweetwater Drive is processed and either recycled or disposed of properly. Approximately 98% of the waste received is recycled.

**What kinds of businesses use the SBWAP and what kind of waste do they generate?**

Woodworkers	Solvents, varnishes and stains
Auto repair shops	Cleaning solvents, used oil and antifreeze
Print shops	Cleaning solvents and inks
Painting contractors	Paints and solvents
Exterminators	Pesticides and herbicides
Photo shops	Developing and fixing solutions
Other	Any business that generates waste paints, solvents, thinners, cleaners, pesticides, caustics, oils or chemicals.

Collection Schedule Map

What's New

- [2010 Holiday Collection Schedule Service Update](#)
- [Contact Us](#)
- [2010 Financial Sustainability Report](#)
- [Right Size your Can - Order your new container online](#)
- [Chapter 15 of City Code related to Environmental Services \(Revised\)](#)
- [Household Hazardous Waste Program, 2009 Annual Report](#)

I want to: --Choose--

Do More Blue .com

[www.tucsonaz.gov/hhw](http://www.tucsonaz.gov/hhw)



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Please call.....



Tucson/Pima County

Household Hazardous Waste info line **888-6947**

Recycling hotline **791-5000**

Environmental Services Department **791-3171**

[www.tucsonaz.gov/hhw](http://www.tucsonaz.gov/hhw)



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