

Town of Gilbert

Household Hazardous Waste
Collection Facility



Facility located at our Public Works South Area Service Center

- ❑ Opened July of 2007 approximate cost of \$800,000
- ❑ 4000 Square Ft. Standalone facility
- ❑ Must be a Town of Gilbert resident to participate
- ❑ Annual budget of \$350,000

Hours of Operation

Wednesday 9:00 am – 3:00pm

Friday 9:00 am – 3:00 pm

Saturday 7:00 am – 1:00 pm

Staffing

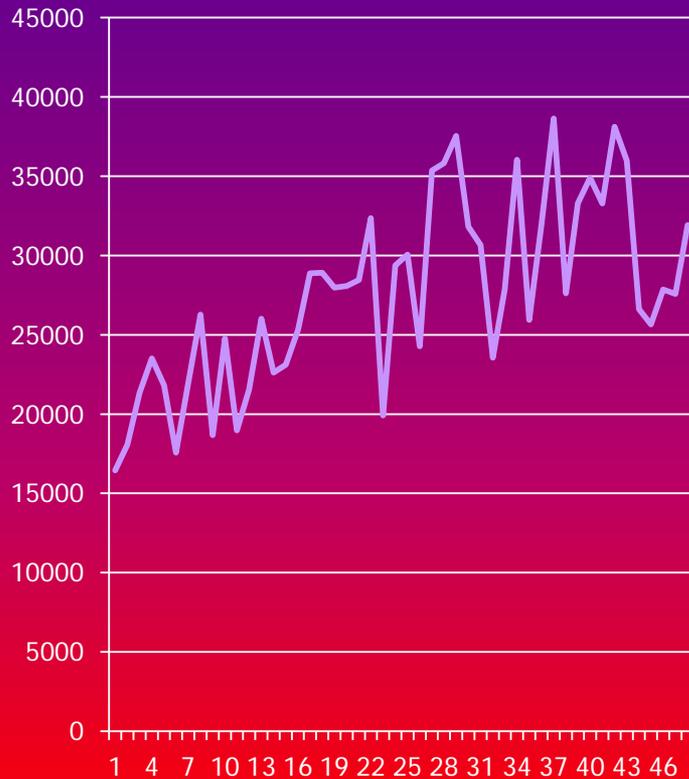
- We currently have 2 FT Household Hazardous Waste Techs
- One HHW supervisor
- Work schedule Wednesday thru Saturday (10hr)

Facility Operations

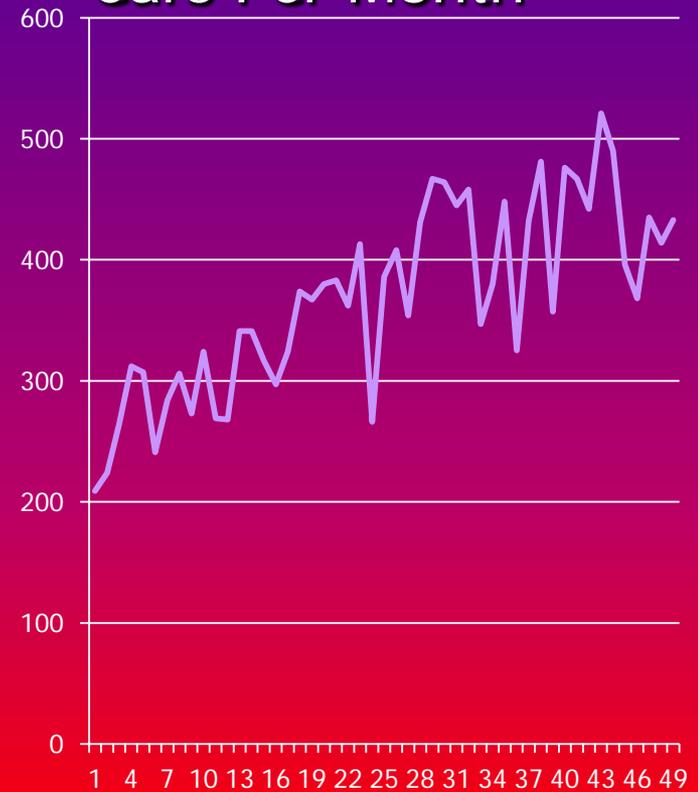
At the HHW Collection Facility we have served over 20,000 residents since our first day of operation on July 6th 2007. Since opening we have diverted over 1.5 million pounds of waste from the landfill.

Growth Chart

Pounds Per Month



Cars Per Month



Acceptable Items

Latex and oil based paints

Stains and varnishes

Rimless automobile tires

Adhesives

Motor oil

Antifreeze

Transmission fluid

Hydraulic fluids

Gasoline and diesel fuel

Pesticides and Fungicides

Automobile and household
batteries

Pool chemicals

Household cleaners

Fluorescent and CFL light bulbs

Propane tanks

Camping cylinders

Scrap metal

Thermostats

Smoke detectors

Fire extinguishers

Electronic wastes such as
TV's, computers, printers,
monitors, and cell phones

Items Not Accepted

- ❖ Business or Commercial wastes (for now)
- ❖ Tires with rims
- ❖ Ammunition
- ❖ Fireworks
- ❖ Radioactive materials
- ❖ 55 gallon drums of materials
- ❖ Large Appliances
- ❖ Medical Wastes/Sharps

Building Safety

Worker safety is our first priority. Here are just a couple examples to help ensure a safe work environment.



Building Safety

The ventilation system provides for constant air flow during operations to prevent accumulation of gases or vapors if present in the building. There is no heat or A/C in the building.



Building Safety

- Combustible Gas Detection System
- Monitors % LEL
(Lower Explosive Limit)
- Monitors Oxygen Level
- Smoke and Heat Detectors
- Overhead Sprinklers



Building Safety



The Facility is equipped with an explosion proof storage building for unknown materials and potentially reactive or materials capable of detonation.



- Each vehicle is unloaded after verifying TOG residency
- The material is weighed
- Each load is documented and entered into a database
- The materials are then sorted





We bulk our
corrosives
and
pesticides
which are
incinerated



Aerosol Can Puncturing

The cans are emptied and the materials are recycled.



Flammable Liquids

The flammable liquids are sent out and re-used in fuel blending.



Household Cleaners Bulking

The class 9 materials are sent out for disposal.



Used Oil and Antifreeze Recycling

The oil and antifreeze is picked up by a local recovery company and recycled into new oil and antifreeze.



Latex Paint Recycling



Latex Recycling

- Each can or bucket of latex paint is opened and checked for quality.
- If the paint is in good condition, it is poured into 1 of the 2 55gal drums. Brown or Grey
- The unusable paint is bulked into a 55 gallon drum and sent to Amazon Environmental to be recycled.

Latex Recycling

- When each drum is full, the paint is mixed using a pneumatic mixer.
- After a consistent color is achieved, the paint is screened and poured into new buckets.
- The paint is made in batches of 55 gallons and is free to Residents of the Town.
- The paint is also donated to Churches, Schools and other Non-Profit Organizations

Latex Recycling

- Since opening, the HHW program has re-distributed 26,344 gallons of latex paint.
- Latex paint comprised 33% of our total volume collected (FY11)

The metal
paint cans
are crushed
and recycled



Fluorescent Light and CFL Recycling

Bulbs placed into the machine and pulverized. The mercury is captured into the vacuum filter. The captured mercury is recycled.



Lead Acid Batteries

A local battery recycler picks up the batteries and recycles them.



We accept alkaline and all rechargeable batteries. They are sent out and recycled.



Electronic Waste



A local electronics company picks up the collected e-waste for processing and recycling

Used Tires



Tires are taken to Maricopa County Tire Recycling Facility and are recycled into rubberized asphalt. There is no disposal fee to dump the tires

Propane Tanks

The tanks are picked up by a local refilling company
And are recycled free of charge



Swap Shop

We give away products that are reusable to the public



Diversion rate

- Our diversion rate for 2009 was 56%
- 2010 was 61%
- 2011 was at 85.5%
- Our goal for 2012 is 90-95%

Questions?

