

# Household Hazardous Waste



## Household Hazardous Waste Collection Facility

**1621 S. Portland**



(405) 682-7038

# HISTORY OF STORM WATER PROGRAMS

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**1970 Congress and President Nixon formed the Environmental Protection Agency (EPA).**

**1977 President Jimmy Carter signed into law the Federal Clean Water Act.**

**1990 President George H. Bush signed the Pollution Prevention Act.**

**1992 OKC Storm Water Quality initiated program to comply with the unfunded federal mandate.**

**1997 EPA delegated the responsibility for storm water discharges in the state of Oklahoma to the ODEQ.**

# The City of Oklahoma City



**Area: 621 square miles**

**Population: 610,000 (Metropolitan – 1,300,000)**

# PHASE I

## PROGRAM COMPONENTS

- ① 1. Storm Water Management Plan
- ② 2. New Construction and Re-development
- ③ 3. Flood Control Projects and Structural Controls
- ④ 4. Construction Site Runoff
- ⑤ 5. Industrial and High Risk Runoff
- ⑥ 6. Household Hazardous Waste/Used Motor Vehicle Fluids
- ⑦ 7. Public Outreach
- ⑧ 8. Roadway Operation and Maintenance
- ⑨ 9. Pesticide, Herbicide and Fertilizer Application
- ⑩ 10. Pollution Complaint and Spills Response Program
- ⑪ 11. Floatables
- ⑫ 12. Wet Weather Analytical
- ⑬ 13. Priority Based Monitoring
- ⑭ 14. Illicit Discharge Detection and Elimination
- ⑮ 15. Supporting Permit Conditions, Monitoring Programs

# STORMWATER UTILITY FEE “UNFUNDED MANDATE”

1995 OKC Council approved Drainage  
Utility Fee to fund program.  
(\$2.73 household—currently \$5.53)

# Household Hazardous Waste



**Americans generate 1.6 million tons of household hazardous waste per year.**

Source: U. S. Environmental Protection Agency

# Household Hazardous Waste

## Three frequently asked questions:

- **What is household hazardous waste?**
- **Why is proper disposal of household hazardous waste important?**
- **How should I dispose of household hazardous waste?**

# Household Hazardous Waste

- **Household hazardous waste is any consumer oriented chemical or product that is toxic, reactive, corrosive, or ignitable.**

**Source: U. S. Environmental Protection Agency**

- **Products are considered waste when the product becomes unusable or you no longer have a use for them.**

# Household Hazardous Waste

**Household hazardous waste can be:**

- **Household Chemicals**
- **Paints and Solvents**
- **Fuels (Gasoline, Propane, etc.)**
- **Automotive Products**
- **Lawn Care Products**
- **Pool Chemicals**

# Household Hazardous Waste

## Household Chemicals



# Household Hazardous Waste

## Paints and Solvents



# Household Hazardous Waste

## Fuels (Gasoline, Propane, etc.)



# Household Hazardous Waste

## Automotive Products



# Household Hazardous Waste

## Lawn Care Products



# Household Hazardous Waste

## Pool Chemicals



# Household Hazardous Waste

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# Household Hazardous Waste

- **Proper disposal of household hazardous waste protects both human health and our environment.**
- **Improperly disposed of household hazardous waste can affect ground water, surface water, or both.**

# Household Hazardous Waste

## How not to dispose of HHW:

- **Landfill (throwing into trash)**
- **On Ground**
- **Storm Drain**
- **Sanitary Sewer (pouring down drain)**

# Household Hazardous Waste

**HHW disposed of in municipal landfills can leach into ground and surface waters.**



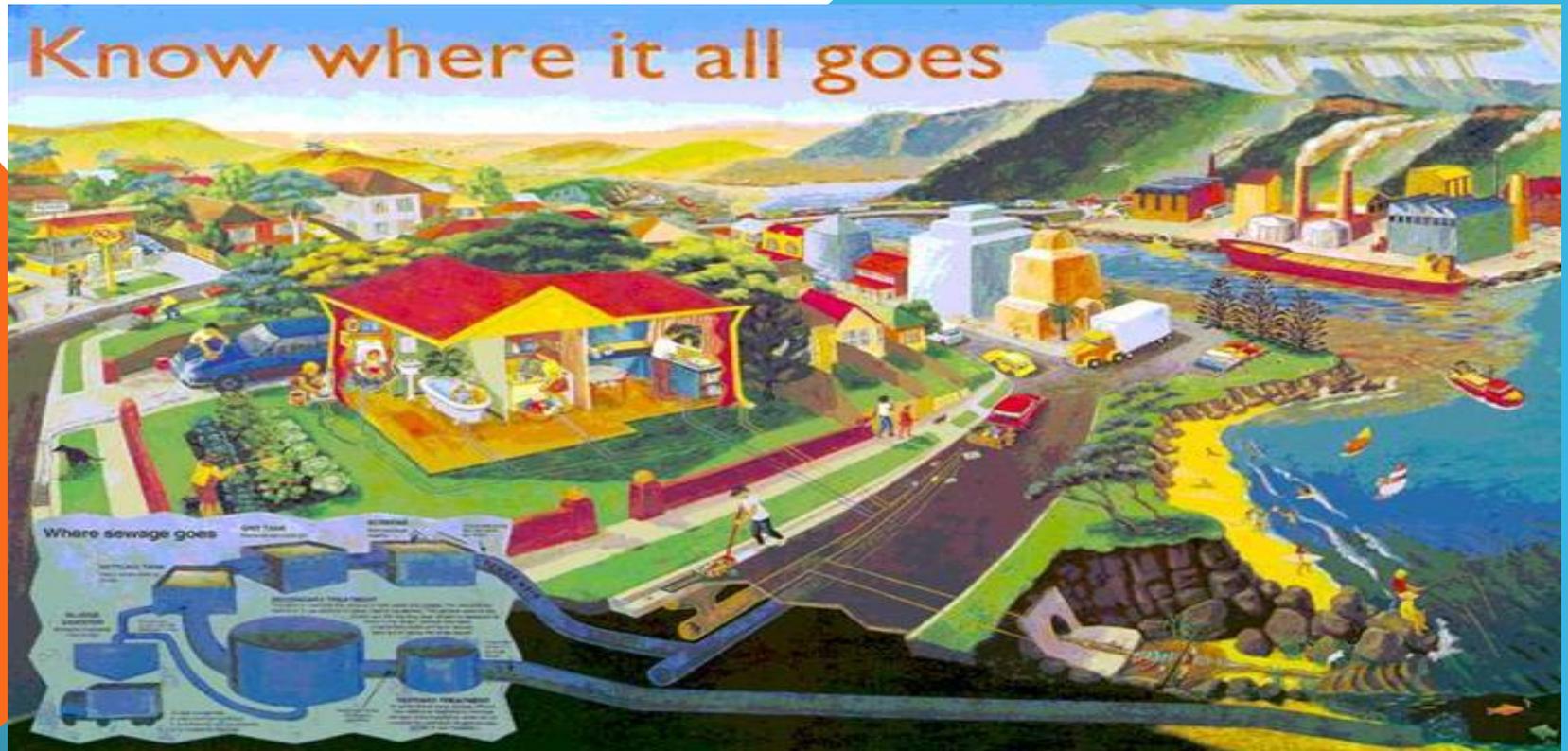
# Household Hazardous Waste

**HHW poured down a storm drain enters into local waterways untreated.**



# Household Hazardous Waste

**HHW poured down the drain enters into the sanitary sewer system which is ultimately discharged into our waterways.**



# Household Hazardous Waste

**Improperly storing or disposing of HHW can present other safety and economic concerns:**

- **Poisoning of humans and animals**
- **Fires and explosions**

# Household Hazardous Waste



# Household Hazardous Waste

## Three frequently asked questions:

- **What is household hazardous waste?**
- **Why is proper disposal of household hazardous waste important?**
- **How should I dispose of household hazardous waste?**

# Household Hazardous Waste

## **Guidelines for proper HHW disposal:**

- **Always store chemicals properly and safely.**
- **Buy only the products you plan to use.**
- **Never mix leftover chemicals.**
- **Bring leftover chemicals to Oklahoma City's**

**Household Hazardous Waste  
Collection Facility**

# CHANGING THE CULTURE

Slow and Steady

Begin in schools

Need a reason

How will this help me

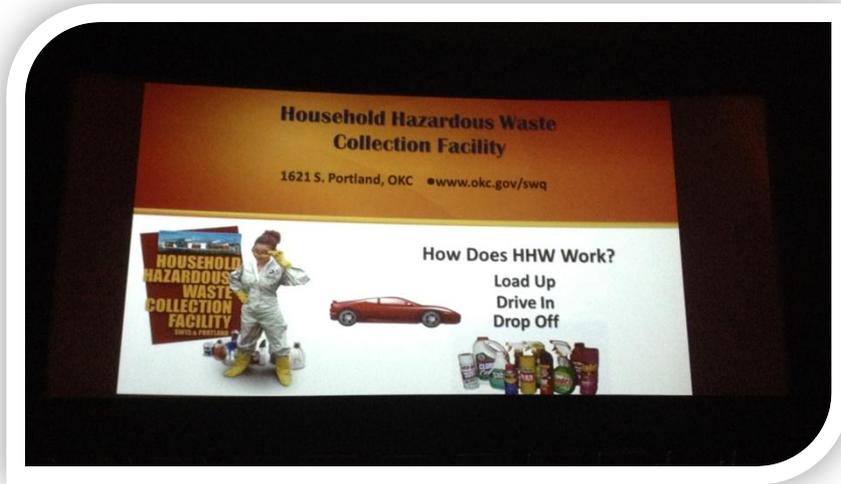
Never give up



# SCHOOL PRESENTATIONS



# HHW PUBLIC OUTREACH BILL BOARDS AND MOVIE THEATER



# HHW PUBLIC OUTREACH





# HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY

- Operating the state's first permanent HHW collection facility since August 23, 2003
- Semi-annual collection events for City residents to properly dispose of unwanted computers, ammunition, tires and pharmaceuticals



# HHW SPRING AND FALL COLLECTIONS

OKLAHOMA CITY RESIDENTS DROPPED OFF 76,258 POUNDS OF TIRES, COMPUTERS, AMMUNITION AND MEDICATIONS IN JUST FOUR HOURS ON SATURDAY DURING THE CITY'S HOUSEHOLD HAZARDOUS WASTE SPECIAL COLLECTION.

CITY EMPLOYEES COLLECTED:

2245 TIRES

28 PALLETS OF COMPUTERS

3750 ROUNDS OF AMMUNITION

247 POUNDS OF PRESCRIPTION MEDICATIONS



**Spring Collection: April 5, 2014**

# SPECIAL HHW COLLECTIONS

## TIRES, COMPUTERS, MEDICATIONS, AMMUNITION

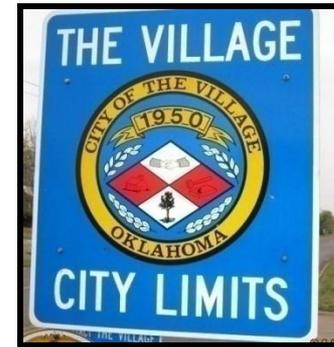




# MEMORANDUMS OF UNDERSTANDING

The Storm Water Quality Management Division contracts with Phase II cities, to fulfill aspects of their permit obligations with the Oklahoma Department of Environmental Quality.

Bethany, Edmond, El Reno, Moore, Shawnee, Tinker AFB, Village, Warr Acres, and Yukon



# OKLAHOMA CLEAN COMMUNITY AWARD

40,000 tires collected since 2002 that might have otherwise ended up in illegal dumps



# Household Hazardous Waste

## HHWCF hours of operation:

- **Tuesday-Friday** **9:30 AM – 6:00 PM**
- **Saturday** **8:30 AM – 11:30 AM**

**Open to Oklahoma City residents. Please bring a copy of your Oklahoma City Water Bill. For more information call 682-7038**

# Thank You

Raymond Melton

Kacie Horton

City of Oklahoma City

(405) 297-1774



[WWW.OKC.GOV/SWQ](http://WWW.OKC.GOV/SWQ)