

HHW Managers 101

A Survival Guide

Presented by:

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The Purpose – Why we are here?



Groundbreaking



Construction





City of Elk Grove

Special Waste Collection Center



THE FACILITY - Elk Grove's Special Waste Collection Center (SWCC) is located on approximately 4 acres of land at the southern end of the City and is easily accessed by State Highway 99 and Grant Line Road. As a LEED-certified "green building," the SWCC incorporated a number of sustainable features such as solar power, water-efficient fixtures and landscaping, open space maximization and energy efficient "cool roofing" & paving materials.

Grand Opening



Operations



Recognition



What do you do?



What is your role?

- Overall responsibility for HHW Program
- Oversee contractors or staff
- Program development
- Typically not handle HHW

Contracts

- Familiarize Contracts

Example:

- Onsite Contractor (Facility Operator)
- Oversight Contractor

- What type of contracts are currently in place?

Regional Partnerships

- Facility Use Partnerships
- Regional Grant Partnerships
- Public Education Partnership



Regional Grants



Regional Grants



Public Education

**THE USUAL
SUSPECTS**

*You know these hazardous materials don't belong in the trash.
But what do you do with them? Find out inside.*



The Purpose

DO THE RIGHT THING FOR SACRAMENTO

Proper management of household hazardous waste protects our environment

BY MATT JOCKS



What do you do with all of that toxic, corrosive stuff that sits in your garage or under your sink? It used to be simple. Load it up in the car and take it to its final destination — the local landfill.

Except that the final destination turned out not to be so final.

"Landfills are designed well and they are certainly getting better," says Ken Pereira, Supervising Waste Management Specialist for Sacramento County. "But no matter how well-designed a landfill is, some of that material can leak out into the environment."

Once communities were made aware of the environmental risks of trashing hazardous waste, laws were put in place to mandate proper disposal of materials such as antifreeze and batteries.

Pereira says, "Lawmakers started deciding, 'You can't dump this,' and 'You can't dump that.' Lists began to appear. And the question was asked, 'If we can't throw it out, what do we do with it?'"

The answer is Sacramento County's Household Hazardous Waste (HHW) program. Residents can bring their products to four drop-off points in Sacramento County. It is free of charge at the point of service, being paid through a small fee included in residents' trash bills.

For residents, the process is as simple as driving to one of the four centers, showing proof of residency, reporting the products to be disposed and waiting in the car while an attendant unloads.

The program raises awareness about proper HHW disposal through its website and inserts in the monthly trash and sewer bills. Pereira says it's made a huge impact, resulting in 1.2 million pounds of hazardous waste being collected last year — and that was from just one facility.

"NO MATTER HOW WELL-DESIGNED A LANDFILL IS, SOME OF THAT MATERIAL CAN LEAK OUT INTO THE ENVIRONMENT."

*Ken Pereira
Supervising Waste Management Specialist for Sacramento County*

Otherwise, those hazardous materials might have ended up in a landfill, a ditch somewhere, or in someone's backyard or garage.

"That pollution has to be cleaned sometime and it becomes more expensive to clean it up than prevent it," Pereira says. "Money spent now is more money saved later."

WHY CAN'T I THROW IT IN THE TRASH?

The products we use every day in our homes serve a purpose. But when it's time to dispose of them, special care must be taken to make sure potentially harmful ingredients don't make their way into our environment. Chemicals in illegally or improperly disposed hazardous waste can be released into the environment and contaminate our air, water and possibly the food we eat. And by throwing hazardous waste in the garbage, you can pose additional hazards to your garbage handler. See page 5 for a list of products you should always take to a HHW facility.

How to reduce your use of HHW

- Estimate what you need and don't overbuy.
- Read labels and seek organic products.
- Learn about alternative methods of solving household issues that use less harmful substances, like baking soda and vinegar.



CITY OF
ELK GROVE
RECYCLING & WASTE

Customer Testimony

LIKE SECOND NATURE

Elk Grove resident says recycling HHW is easy
— and the right thing to do



Don O'Hair believes in being a good steward of our environment. That's why he takes his household hazardous waste to the Elk Grove Waste Collection Center via bicycle (his preferred mode of transportation).
PHOTO BY NATE ECKLER

"IN ANOTHER
20 OR 30 YEARS,
WHEN IT'S TIME FOR ME TO
MOVE ON, I WORRY ABOUT
WHAT KIND OF PLACE MY
KIDS AND GRANDKIDS WILL
HAVE TO LIVE IN."

Don O'Hair
Elk Grove resident

BY MATT JOCKS

A hybrid car is a big cost investment. Riding a bicycle can be strenuous. Changing to more environmentally friendly products may require an adjustment.

Don O'Hair has done all of those. But the easiest way to be gentle to the planet is to recycle, and it doesn't get much easier than a trip to the Elk Grove Special Waste Collection Center.

At least three or four times a year, O'Hair loads up potentially hazardous waste, such as electronics or household products, into his bike trailer and travels the 1 1/2 miles from his house to the Elk Grove facility.

Along the way, O'Hair will sometimes see products that are improperly disposed, things like fluorescent light tubes sticking out of garbage cans. These are toxic hazards headed for landfills and eventually into the environment, where they can contaminate our air, water and possibly the food we eat.

"We need air and food and water to live," O'Hair says. "Those are pretty basic things."

O'Hair says his environmental awareness is not a new development. He was president of his high school's ecology club, didn't get his first car until he was 28 and is now driving his second hybrid.

BUT WHAT ABOUT ...

Tricky items you may not realize were HHW



Musical greeting cards

Your birthday card that belts out a tune when you open it is powered by a battery, which contains heavy metals and corrosive materials. Rip out the battery before you toss the card.



Unused medication

Unused or expired medications could pose a threat to the environment if put in the trash or flushed down the toilet. Instead, remove identifying labels and drop them off at an HHW facility.



Cooking oil

The leftover oil from your deep-fried Twinkie experiment can clog up pipes if dumped down the drain, or create havoc for waste facilities. Bring it to an HHW facility and it will be reused as biofuel.



That bottle of pesticide with just a little bit left in the bottom

That little bit left could leak out into the landfill, where storm water could wash it out into the environment. Rinse out the bottle three times and dump the rinse water into the sewer system, then throw away, or bring it to an HHW facility.



CITY OF
ELK GROVE
RECYCLING & WASTE

The Facilities

WE'RE HERE FOR YOU

Where to drop off household hazardous waste in Sacramento County

North Area Recovery Station HHW Facility



Did you know ...

North Area Recovery Station HHW Facility serves more than **10,000 customers** annually

1 million pounds of household hazardous waste managed in 2014

Facility was expanded and renovated in **2013** thanks to CalRecycle grants

**North Area Recovery Station
HHW Facility**
4450 Roseville Road
North Highlands, CA 95660
916-875-5555
Tuesday, Thursday, Friday, Saturday,
8:30 a.m. to 4 p.m.

Elk Grove Special Waste Collection Center



Did you know ...

Elk Grove Special Waste Collection Center opened on **Earth Day 2014**

300,000 lbs. of recyclable materials diverted from landfill during first year of operation

Recognized for **Outstanding Program Innovation** by North American Hazardous Material Management Association

**Elk Grove Special Waste
Collection Center**
9255 Disposal Lane, Elk Grove, CA 95624
916-627-3232
Sunday-Wednesday, 9 a.m. to 4 p.m.

TO DUMP, OR NOT TO DUMP?

So, just what do household hazardous waste (HHW) drop-off sites accept? Sacramento County and the cities of Rancho Cordova and Elk Grove aim to keep HHW out of the landfills. Keep this page handy as a reminder of what items are accepted and how to transport them.



Procedures for packaging and transporting items to HHW facility

- Keep products in their original containers. Do not mix products and make sure lids are tightly sealed. Label materials that are not in their original containers.
- Place leaking containers in a larger, plastic container with a tight-fitting lid.
- Secure products upright in a cardboard box so they do not tip over in transport.
- Transport products in the back of a pickup truck or in a car trunk. Ensure adequate ventilation if transported in car passenger compartment.
- Keep flammables out of direct sunlight and away from sources of heat, spark, flame or ignition. Do not smoke near products.



CITY OF
ELK GROVE
RECYCLING & WASTE

The Facilities

→ For more information, visit www.sacgreenteam.com.



Sacramento Recycling and Transfer Station

Did you know ...

Sacramento Recycling and Transfer Station opened in **1999**

Serves approximately **7,500 customers** annually

Processes **705,000 to 790,000 pounds** of HHW each year

Sacramento Recycling and Transfer Station HHW Facility
8491 Fruitridge Road,
Sacramento, CA 95826
916-379-0500
Tuesday-Saturday, 8 a.m. to 5 p.m.



Kiefer Landfill ABOP

Did you know ...

ABOP stands for **antifreeze, batteries, oil and paint**

Serves approximately **4,000 customers** annually

Accepts and manages **250,000 pounds** of recyclable HHW each year

Only accepts **recyclable HHW**

Kiefer Landfill ABOP
12701 Kiefer Boulevard,
Sloughhouse, CA 95683
916-875-5555
Tuesday-Saturday, 8:30 a.m. to 4 p.m.

✓ Acceptable Items

- Acids*
- Brake/transmission fluid and antifreeze
- Household cleaners*
- Pool chemicals and poisons*
- Gasoline and other flammables*
- Pesticides and herbicides*
- Paint (oil-based or latex) and paint thinners
- Solvents*
- Household batteries
- Car batteries (two max.)
- Small aerosol cans
- Home-generated needles and syringes (in sealed hard plastic or metal containers)
- Unused medications
- Mercury thermometers and switches
- Used motor oil and filters
- Fluorescent tubes

- Propane tanks (barbecue style, limit two, maximum 7 gallons)
- Cooking oil
- Other types of household hazardous waste are also accepted (15-gallon or 125 pounds maximum)*



*Items not accepted at Kiefer Landfill ABOP

✗ Unacceptable Items

- Radioactive materials
- Railroad ties or treated wood
- Explosives (flares are acceptable)
- Medical waste
- Asbestos
- Controlled substances
- Ammunition
- Compressed industrial gas
- Polychlorinated biphenyl (PCB), a banned chemical compound previously used in coolants and plasticizers

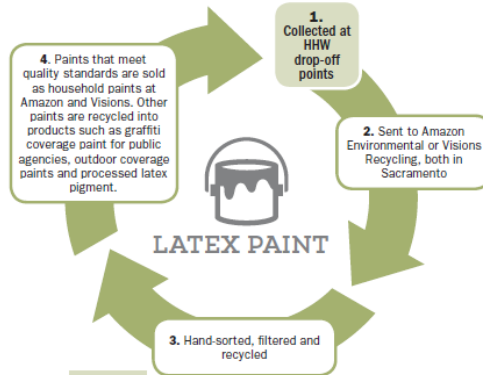


A Special Advertising Supplement | Sacramento County Household Hazardous Waste | 5

Waste Cycle

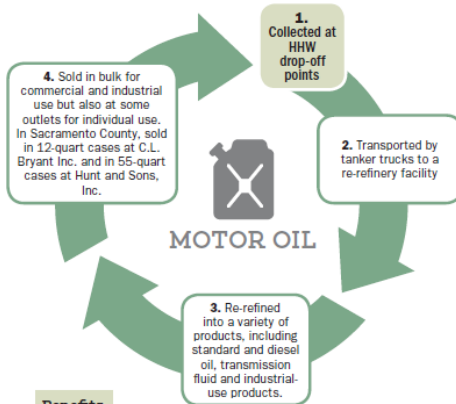
WHAT HAPPENS TO IT?

The life cycle of some common HHW items



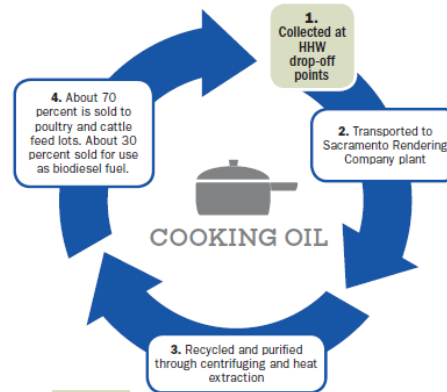
Benefits

Reusing paint extends its life and keeps toxic chemicals out of the landfill.



Benefits

Re-refining results in an 85 percent reduction of greenhouse gases, according to a state study.



Benefits

Recycling cooking oil keeps grease out of sewer pipes, where it can build up.



CITY OF
ELK GROVE
RECYCLING & WASTE

HHW Facility Locations

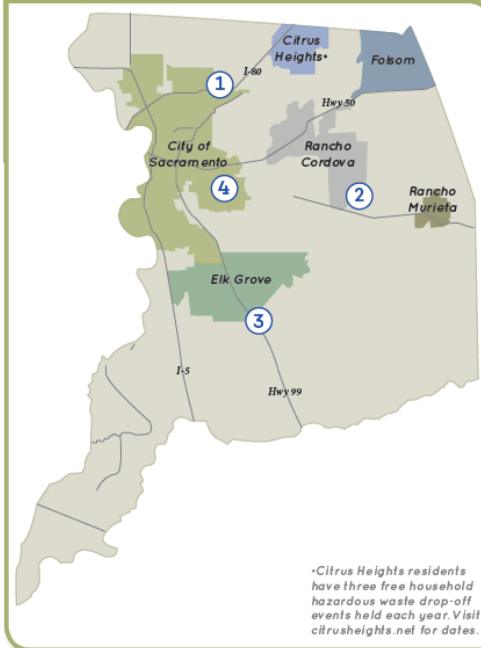
KNOW WHERE IT GOES

Keep household hazardous waste out of the trash



*Do the right thing -
it's easy and it's free to use!*

Take your HHW to one of these locations:



**Citrus Heights residents
have three free household
hazardous waste drop-off
events held each year. Visit
citrusheights.net for dates.*

① North Area Recovery Station HHW Facility

4450 Roseville Road, North Highlands, CA 95660
Tuesday, Thursday, Friday, Saturday, 8:30 a.m. to 4 p.m.
916-875-5555

② Kiefer Landfill ABOP

12701 Kiefer Blvd., Sloughhouse, CA 95683
Tuesday-Saturday, 8:30 a.m. to 4 p.m.
916-875-5555

③ Elk Grove Special Waste Collection Center

9255 Disposal Lane, Elk Grove, CA 95624
Sunday-Wednesday, 9 a.m. to 4 p.m.
916-627-3232

④ Sacramento Recycling and Transfer Station HHW Facility

8491 Fruitridge Road, Sacramento, CA 95826
Tuesday-Saturday, 8 a.m. to 5 p.m.
916-379-0500

*NOTE: Businesses are subject to a disposal fee for HHW. Call your facility
for more information.*

Results

- Increase Participation
- Award Winning Publication
 - Sacramento Environmental Commission
 - California Association of Public Information Officials



Award Winning Publication



Ken Pereira, Sacramento County
Christian Punsal, City of Elk Grove
Carlos Duque, Clean Harbors Environmental Services

Not Pictured:
Steve Harriman, City of Rancho Cordova
Kelli Sequest, Sacramento County



Statistics

Special Waste Collection Center Profile



**April 22,
2014**

OPENED FACILITY

444,150 LBS
(OR 222.08 TONS)
OF RECYCLABLE MATERIALS
DIVERTED FROM LANDFILLS



ACCEPTABLE ITEMS:

- Batteries
- Pains
- Household Cleaners
- Pool Chemicals
- Pesticides/Herbicides
- Used Cooking Oil
- Used Motor Oil
- Fluorescent Light Bulbs
- Gasoline
- Electronic Waste
- And More

**SOLAR
POWERED**
FIRST OF ITS KIND
IN THE NATION



**DROUGHT
TOLERANT
LANDSCAPING**



19
AWARDS



TOTAL NUMBER OF
RESIDENTS WHO USED
THE FACILITY

17,115

TOTAL NUMBER OF
RESIDENTS WHO USED THE
RECYCLE AREA

4,364

TOTAL NUMBER OF
RESIDENTS WHO USED THE
REUSE ROOM

2,436

TOTAL E-WASTE COLLECTED

183,479 LBS

OR APPROX. 91.74 TONS

TOTAL PAINT COLLECTED

133,073 LBS

OR APPROX. 66.54 TONS



TOTAL HAZARDOUS
WASTE COLLECTED

127,598 LBS

OR APPROX. 63.80 TONS

*Recognized by the Sacramento Public
Relations Association*

*Silver Award – Individual PR Outreach
Elements*



Re-Use Room Program



City of Elk Grove
Special Waste Collection Center



REUSE ROOM - Products dropped off at the SWCC that are deemed usable and not designated as a banned material are placed in the Re-use Room. It is there where Elk Grove residents are can "shop" and select up to 10 items per calendar month to reuse for free.

Re-Use Program Room

City of Elk Grove

Special Waste Collection Center



Don O'Hair believes in being a good steward of our environment. That's why he takes his household hazardous waste via bicycle (his preferred mode of transportation). The Special Waste Collection Center offers bicycle storage racks and changing rooms to encourage alternative transportation and accommodate bicycle riders such as O'Hair.



Recycle Area



City of Elk Grove
Special Waste Collection Center  CITY OF ELK GROVE

RECYCLE AREA DIVERTS WASTE FROM THE LANDFILLS - While trash is not accepted at the SWCC, some recyclable commodities are. Rigid plastics, cardboard, yard waste, metal, and inert material such as concrete are accepted at the SWCC

Public Art Program



North American Hazardous Materials Management Association

- Networking with other HHW facility operators and program managers
- Interpretations of regulations from other States
- Assistance with Facility operations

Geoff Niswander
HHW Program Manager
Clean Harbors Environmental Services



From the Perspective of a new HHW Program Manager

- Background
- Experience as a new HHW Program Manager
- Challenges as a new HHW Program Manager
- Tips to be successful HHW Manager



The Challenges

- HHW Customer Transportation
- Regulations

City of Elk Grove

Special Waste Collection Center



Elk Grove continues to increase public awareness and participation for the SWCC by developing new programs and new ways to educate residents about hazardous wastes. Working with students of Foulks Ranch Elementary School, the City has created an instructional video called How to Safely Transport Household Hazardous Waste, which is accessible from the City's web site at www.egtrashrecycleservices.org.

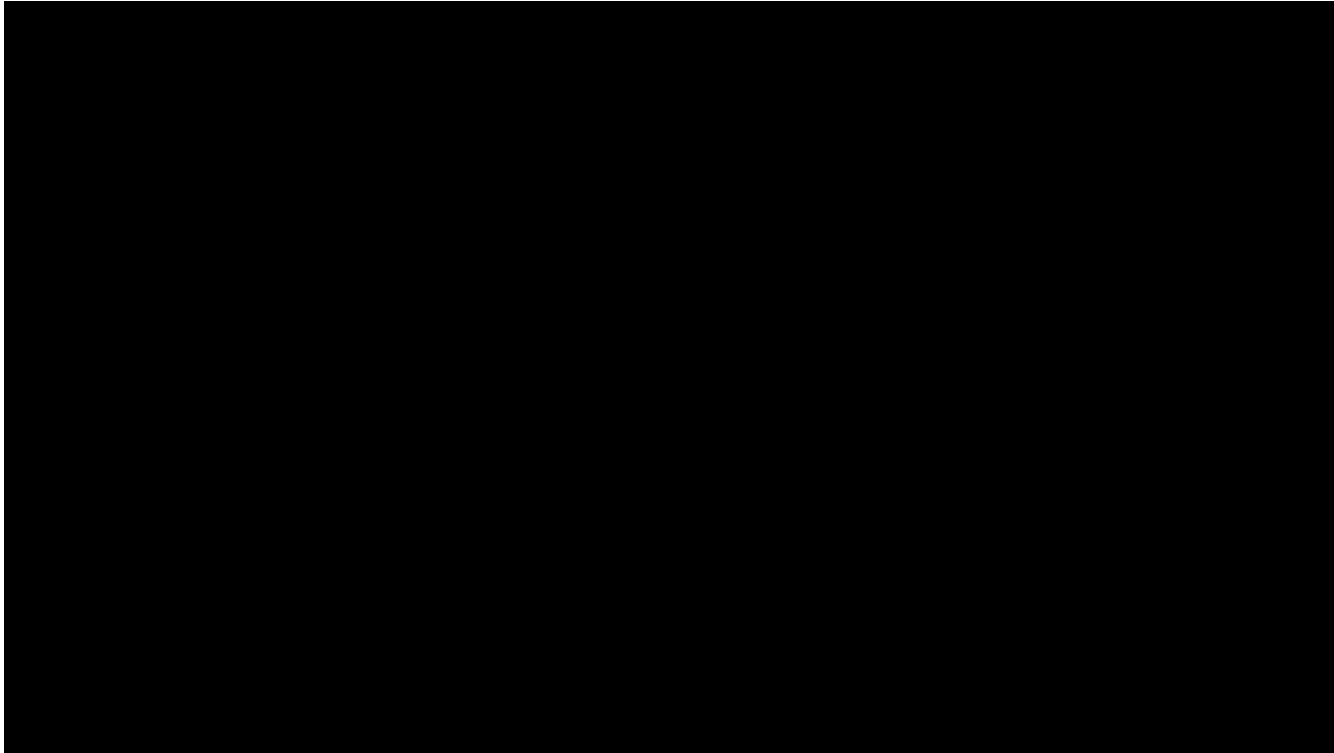
AUTHORIZED
PERSONNEL ONLY

IC RECYCLE
FF AREA RULES

nce if needed
remain in vehicles
ust be placed into
for recycling
Greenwaste
during
mitted to
ents only



How to Transport HHW Waste Safety



Resources

- Household Hazardous Waste Information Exchange Group (HHWIE)
- Household Hazardous Waste Collection Facility Workgroup
- Your HHW Industry Peers



Questions

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