

HB 2772

Product Stewardship for Household Hazardous Waste

- What is Household Hazardous Waste (HHW) and why is it a problem?
- Why Product Stewardship for HHW?
- How will the program work?

If residents have no quick & easy way to properly dispose of HHW...



... it may languish in storage...



Or worse...

In 2014 there were more than 300,000 reported exposures to pesticides, cleaning products, solvents, and other chemicals

American Association of Poison Control Centers

... or be dumped



Photo courtesy of Metro's RID (Report Illegal Dumping) Patrol

Solid waste workers are at risk



ALLIED Allied Waste driver hospitalized, neighborhood locked down after chemical reaction in truck

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Editor's Note: This story has been updated with information from Republic Services.

Dive Brief:

- Normal collections in a Fremont, CA neighborhood quickly escalated into an emergency situation last week after a driver for Allied Waste of Alameda County, a subsidiary of Republic Services, placed a load containing pool chemicals into the back of his truck. The load started releasing large amounts of chemical smoke, according to SFGate.

PUBLISHED
Aug. 15, 2016

Improper Hazardous chemical disposal puts recycling facility and sanitation workers at risk

May 26, 2016

Source: Milwaukee Dept. of Public Works press release

Old chemicals, gasoline, and propane cylinders should not be put in garbage or recycling carts

With a recent incident involving a garbage truck on the City of Milwaukee's west side and a separate incident of a small fire at the Materials Recovery Facility (MRF), the City of Milwaukee Department of Public Works (DPW) reminds residents to not dispose of hazardous waste in your garbage or recyclable carts.

Chemicals, gasoline, and propane cylinders pose a very serious health risk to collection crews and MRF staff members. In an incident earlier in May, muriatic acid placed in a resident's garbage cart created a gas, and two DPW Sanitation drivers were taken to the hospital for inhaling the fumes and were later cleared to return home.



Chemical Reaction Causes Garbage Truck Drivers to Call Fire Dept.

AUG 5, 2016 9:10 PM EDT
BY SHAWN MCNICAR

LOCAL NEWS

AA

Operators of a garbage truck in Harmon called for help today when they began to feel ill.

Firefighters tell us an unknown chemical reaction in the trash sent fumes into the cab of the truck.

The driver and passenger called for assistance and were checked and cleared by EMS.

Jason Jordan of the Harmon Fire Dept. would like to remind people to be careful of what they throw away. "For folks who put out trash please understand folks that not everything that goes in a trash can belongs in a trash can. So that if it needs to be properly disposed of and you're unsure what it is call your local trash facility and ask them what to do with it and they will be happy to explain to you how to properly dispose of the materials that you're trying to get rid of."

FEATURED

Modern workers suffer chemical burns while collecting garbage in Lewiston

POLICE: Workers sprayed by unknown liquid while collecting garbage.



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LEWISTON — Two workers from Modern Disposal suffered apparent chemical burns while picking up garbage Thursday afternoon in Lewiston.

The workers were collecting trash along Lower River Road near Joseph Davis State Park. After placing some trash in the rear of a garbage truck, the workers attempted to compact the debris, according to a Lewiston police official.

As the compacting machinery began to close down on the garbage, it smashed what was described as a "blue bottle" and a liquid sprayed out of the bottle. The workers were hit by the spray and began to feel a burning sensation on their skin.

HHW Collection Events



We aren't getting it all



Waste Composition Study

Why Product Stewardship for HHW?

- Public demands to protect health & the environment
- Local governments with DEQ support have been carrying the burden
- Manufacturers have a responsibility to fulfill



Product Stewardship

Product stewardship is providing services statewide in Oregon for e-waste & paint



oregon
E-CYCLES
oregonecycles.org



Product Stewardship Approach

- Manufacturers that sell products into the state provide a program for their proper end-of life management
- The cost of these programs borne by the consumer of those products – rather than by all solid waste rate payers.
- State approves and oversees manufacturers program

Product Stewardship

How it works

- Manufacturers join stewardship organizations
- Stewardship organizations submit plans
 - Local providers (collectors, processors) enlisted as participants in plans
 - Plans describe how they meet convenience & environmental standards

Product Stewardship

How it works

- The stewardship organization recovers the cost of program from its member manufacturers.
- The cost of the program will include reimbursing the state for the cost of overseeing the program.

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Product Stewardship for HHW

- Follows stewardship approach

Key elements include:

- Covered products
- Financing
- Performance

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Scope of Covered Products

- Cover higher hazard, costly to manage products
- Not appropriate to return to retail



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Examples of Covered Products

- Flammable products including solvents
- Home & garden products containing herbicides or pesticides
- Highly corrosive or reactive products like oven cleaners & pool chemicals.



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Products *NOT* Covered

Where return to retail a potential option:

- pharmaceuticals
- batteries
- mercury containing products (thermostats, lamps)
- medical sharps (needles)



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Financing

- Stewardship organizations decide how to raise funds & apportion program costs among its members
- No state approved fees at point of sale (*not like paint*)
- DEQ cost to administer covered by manufacturers

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Performance

- Build on current system
- Ensure environmentally sound management
- Meet convenience standard

THANK YOU

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Metro

Arts and conference centers

Garbage and recycling

Land and transportation

Oregon Zoo

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