

SB 199 Product Stewardship for Household Hazardous Waste

- What is Household Hazardous Waste (HHW) and why is it a problem?
- Why Product Stewardship for HHW?
- What are SB 199's key provisions?
- What have we heard from stakeholders?

Household Hazardous Waste (HHW)



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

... add to fire risk ...

Reducing Fire Hazards in Home and Workplace

- ◆ Read labels.
- ◆ Use L.I.E.S. storage procedures (Limit, Isolate, Eliminate, Separate).



Visual 2.7

The photograph shows a storage area with two shelves. The top shelf contains several cans and containers. The bottom shelf contains a large orange and white gasoline can, several smaller cans, and several bottles of cleaning products. The storage area is enclosed in a wire mesh cabinet.

From FEMA CERT training

... 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:

PUBLISHED
Aug. 15, 2016

- 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.



Chemical Reaction Causes Garbage Truck Drivers to Call Fire Dept.

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

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."

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.

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



Permanent Facilities



We aren't getting it all



Waste Composition Study

What's the problem?

- Improper management has health & safety impacts
- Currently not getting it all – health & safety risks remain
- Local governments with DEQ support have been carrying the burden



Why Product Stewardship for HHW?

- All Oregonians need access to a fair and sustainable system of HHW services
- Manufacturers have a responsibility to play a role in providing that system



Product Stewardship

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



oregon
E-CYCLES
oregonecycles.org



Product Stewardship

How it works

- Manufacturers that sell products into the state provide a program for its proper end-of life management
- Manufacturers join stewardship organizations to provide that program



Product Stewardship

How it works

- Stewardship organizations write up plans for their programs
 - Local providers (collectors, processors) enlisted as participants in plans
 - Plans describe how they meet convenience & environmental standards
- DEQ reviews and approves those plans

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Key Provisions

- Scope of covered products
- Financing
- Performance

79th OREGON LEGISLATIVE ASSEMBLY-2017 Regular Session

Senate Bill 199

Printed pursuant to Senate Interim Rule 213.28 by order of the President of the Senate in conformance with pre-session filing rules, indicating neither advocacy nor opposition on the part of the President (at the request of Senate Interim Committee on Environment and Natural Resources)

SUMMARY

The following summary is not prepared by the sponsors of the measure and is not a part of the body thereof subject to consideration by the Legislative Assembly. It is an editor's brief statement of the essential features of the measure as **introduced**.

Establishes product stewardship program for household hazardous waste.

SB 199

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

- Pharmaceuticals
- Batteries
- Mercury containing products (thermostats, lamps),
- Medical Sharps (needles)
- Commercial pesticides



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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

Stakeholder Discussion Issues

- Program approach
- Service levels
- Workability - Feasibility



Proposed Approach

What we heard:

- What about approaches other than producer responsibility?

Response:

- Alternatives such as taxes or fees on products problematic
- Role for producers
- Sustainable financing
- Ability to get more HHW collected

Service Levels

What we heard:

- Service should be equitable across the state
- Whether and how to expand services a concern
- Utilize what's out there

Response:

- Yes, build on existing infrastructure
 - Status quo the floor
 - Set up process for expanded
- Look for ways to economize:
 - e.g., bundle collection events – HHW, paint, e-waste

Service Levels Convenience Standard

- 90% of Oregon residents within 15 miles of a collection site
- Underserved areas (i.e., those more than 15 miles) have at least one event per year
 - Bundling with other services encouraged
- After initial program years:
 - DEQ set based on consultations with local governments, producers and other stakeholders.

Workability - Feasibility

What we heard:

- Concerns about potential complexity of program
 - Product sorting requirements
 - # of manufacturers and products involved

Response:

- Build on sorting practices already occurring (e.g., paint, batteries)
- Technology and data systems for sorting
- PS for HHW programs exist

Stakeholder Discussions

Other Changes to the bill

Added to who can use program: products sold at retail for household use that meet the hazard criteria will be accepted from both residences and businesses.

Removed a requirement on manufacturers: producers will not be required to educate consumers about reducing use of hazardous products.

Clarifying exclusion of commercial pesticides: checking language to ensure commercial pesticides not covered.

THANK YOU

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