



**MEMO**

**FROM:** Kayla Lyon, Director, Dept. of Natural Resources

**Cc:** Ed Tormey, Division Administrator, Environmental Services Division  
Alex Moon, Deputy Director, Dept. of Natural Resources  
Tammie Krausman, Legislative Liaison, Dept. of Natural Resources  
Tim Hall, Acting Bureau Chief, Land Quality Bureau

**DATE:** December 18, 2019

**RE:** Household Hazardous Materials Program and Household Hazardous Waste Account Annual Reports

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The Department of Natural Resources submits the attached reports to the General Assembly as required in 455F.8 and 455E.11(2)"c". As directed, the reports provide information on the costs and results of the Household Hazardous Materials collection and disposal program as well as an itemization of the moneys collected and expended from the Household Hazardous Waste Account, respectively. Because of the interrelationship between these two reports the Department is providing them as a single submittal.

Inquiries related to these reports should be directed to Jennifer Wright, Supervisor of Financial and Business Assistance, Land Quality Bureau, at 515-725-8302 or [jennifer.wright@dnr.iowa.gov](mailto:jennifer.wright@dnr.iowa.gov)

**Fiscal Year 2019 Report on Revenues and Expenditures for  
Household Hazardous Waste Account**

The Household Hazardous Waste Account and its report requirements are established in 455E.11(2)"c". As stipulated the account is funded by moneys collected pursuant to section 455F.7 and from 29C.8A designated for deposit. The account is to be used by the department to deliver the programs and conduct the activities set forth in chapter 455F. The primary responsibility is to establish and support a statewide collection system for household hazardous materials or what is known as the Regional Collection Center (RCC) Network. This includes public education programs, training for collection center staff, and consultation of local governments in the establishment, operation and management of permanent collection sites. The department is authorized to use moneys from the account for administration of the programs funded by the account.

**REVENUE**

Household Hazardous Materials' Retailer Permit Fees (455F.7)	\$208,846
Civil Penalties and Fines (collected pursuant to 29C.8A)	\$920,057
Interest	\$11,619
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TOTAL REVENUE	\$1,140,522

**EXPENDITURES**

Administration (includes but is not limited to issuing and managing contracts and grants, producing and disseminating educational materials, issuance of retailer permits, and providing technical assistance to RCCs and local governments)	\$240,027
Contracts & Grants for conducting the Educational Programs required pursuant to 455F.8B and 455F.9	\$19,860
Transfer to Department of Public Health for maintaining database to track poisoning incidents	\$2,000
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TOTAL EXPENDITURES	\$261,887

# HOUSEHOLD HAZARDOUS MATERIALS

## DNR ACTIVITIES REPORT | FISCAL YEAR 2019

Household Hazardous Materials (HHMs) are found in nearly every home – under sinks and in closets, basements and garages. Through local partnerships with the Iowa Department of Natural Resources' HHM program, Iowa citizens are able to access Regional Collection Centers (RCCs) in 95 of Iowa's 99 counties for proper management of HHMs to protect public health and the environment. Last year, Iowa residents and small businesses properly disposed almost 7 million pounds of toxic, flammable, corrosive and reactive materials through their local RCC. Reducing exposure to HHMs helps prevent accidental household poisonings, while proper management protects the environment, including water sources. In 2019, more than 3,500 poisonings of children under six years old were linked to HHMs.

This report discusses actions undertaken and results from the DNR's HHM program and its stakeholder partners in Fiscal Year 2019.

### WHAT IS A HOUSEHOLD HAZARDOUS MATERIAL?

HHM is a term defining common household products that have one or more of the following characteristics:

**TOXIC:** poisonous, causing cancer or other health problems

**CORROSIVE:** destroys human tissue or corrodes metal

**FLAMMABLE:** easily ignitable

**REACTIVE:** explosive through exposure to heat, sudden shock, pressure or comes into contact with incompatible chemicals

Household hazardous waste (HHW) is commonly defined as waste from residential sources composed of old or unwanted products that exhibit any of the above characteristics.

In Iowa, businesses generating small amounts of hazardous waste are included in the definition of HHW and are eligible to participate in DNR HHM programs.

### REGIONAL COLLECTION CENTER FY 2019 SUMMARY & ACCOMPLISHMENTS

#### PROGRAM INVESTMENT FOR RCC FACILITIES

<b>INNOVATION AND ESTABLISHMENT FUNDING</b>	\$30,282
<b>SUPPORT FOR CURRENT FACILITY OPERATIONS</b>	\$622,025
<b>TOTAL PROGRAM INVESTMENT FOR FY 2019*</b>	\$652,307

#### MATERIALS MANAGED BY HAZARD TYPE

<b>TOXIC</b> insecticides, pesticides, poison	184,239 lbs.
<b>CORROSIVE</b> drain cleaners, mercury	130,443 lbs.
<b>FLAMMABLE</b> lighter fluid, aerosols, thinners	295,785 lbs.
<b>REACTIVE</b> pool chemicals, toilet bowl cleaners, ammonia	16,973 lbs.

#### MATERIALS MANAGED BY COMMON PRODUCT TYPE

<b>E-WASTE</b> computers, televisions, cell phones	1,822,903 lbs.
<b>BULBS</b> CFL, LED, halogen	148,737 lbs.
<b>BATTERIES</b> lead acid, lithium-ion, nickel-cadmium	2,786,541 lbs.
<b>AUTOMOTIVE</b> oil, antifreeze, oil filters, lead acid batteries	856,382 lbs.
<b>PAINTS</b>	1,708,104 lbs.
<b>OTHER MATERIALS</b> sharps, scrap metals from appliances	4,530,163 lbs.
<b>OIL-RELATED</b> filters, oily debris, oil	677,065 lbs.

#### TOTAL OF ALL MATERIALS

<b>HHMs REUSED LOCALLY THROUGH EXCHANGE/SWAP SHOPS</b>	<b>398,701 lbs.</b>
<b>CONTRACTED HHM DISPOSAL</b>	<b>924,839 lbs.</b>
<b>HHMs MANAGED LOCALLY</b>	<b>5,628,625 lbs.</b>
<b>PERCENTAGE OF MATERIALS COLLECTED THAT ARE RECYCLED</b>	<b>62%</b>

**TOTAL AMOUNT OF HHMs MANAGED PROPERLY 6,952,165 lbs.**

\* The DNR's RCC Facilities are funded through solid waste tonnage fees remitted to the solid waste account of the Groundwater Protection Act.

RCCs are local, permanent collection facilities designed to assist the public and very small quantity generator (VSQG) businesses with proper management and disposal of HHMs. RCCs accept specific types of hazardous waste for disposal; either through local outlets or through contracted service, RCCs provide a materials exchange (Swap Shop) and educate citizens about proper HHM purchasing and management. Currently, 28 main facilities and 44 satellite facilities operate across Iowa, serving a total of 95 counties. Last year, almost 7 million pounds of HHMs were removed from the solid waste stream, including 398,701 pounds of materials placed in RCC materials exchanges, where residents can shop for free items.

**INNOVATION/IMPROVEMENT GRANTS**  
Two RCC facilities — servicing 27 counties and 1,132,153 residents — benefited from Regional Collection Center Innovation/Improvement Grant program.

The facilities used funds to purchase new Haz Store Building doors at numerous sites, and a new easy access trailer for mobile events.

The DNR provided \$30,282.50 with local agencies providing \$10,817.50. The DNR investment was only 2 cents per resident.

The RCC Improvement grant allowed the Landfill of North Iowa to purchase a new 24-foot enclosed hazmat trailer.

In 2019, the landfill used the trailer at six different city collection events. This newly designed trailer, with a side pop-up access door and awning, allows staff to collect and process chemicals inside the trailer. Working inside the trailer increases efficiencies and limits the potential for spills and contaminations.

*Improvements paid for through  
HHM grant funding in 2019*

Metro Waste Authority was awarded funding to purchase replacement doors for three satellite hazardous storage buildings. The new doors will help restore the structural integrity of the buildings, and save Metro Waste from replacing the whole building.

**“BEING ABLE TO KEEP ALL  
THE DRUMS AND EQUIPMENT  
INSIDE THE TRAILER SAVES  
A LOT OF TIME.”**  
**Landfill of North Iowa**



## REGIONAL COLLECTION CENTERS IN IOWA HELP REDUCE POISONINGS

Reducing exposure to HHMs helps prevent household poisonings. As opportunities for proper management increase, poisonings attributed to HHMs continue to decrease.

In 2019, Iowans reported about 7,500 poisonings from exposure to HHMs, which includes 3,538 poisonings that affected children.

For local RCC contact information and service areas, go to [www.safesmartolutions.org](http://www.safesmartolutions.org).



[www.iowadnr.gov/hhm](http://www.iowadnr.gov/hhm)

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