



MEMO

FROM: Kayla Lyon, Director, Department of Natural Resources

Cc: Ed Tormey, Division Administrator, Environmental Services Division
Alex Moon, Deputy Director, Dept. of Natural Resources
Todd Coffelt, Legislative Liaison, Dept. of Natural Resources
Amie Davidson, Bureau Chief, Land Quality Bureau

DATE: December 19, 2023

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

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 515-452-1794 or jennifer.wright@dnr.iowa.gov

**Fiscal Year 2023 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)	\$217,787
Civil Penalties and Fines (collected pursuant to 29C.8A)	\$0
Interest	\$12,949
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TOTAL REVENUE	\$230,736

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)	\$322,520
Contracts & Grants for conducting the Educational Programs required pursuant to 455F.8B and 455F.9	\$100,173
Transfer to Department of Public Health for maintaining database to track poisoning incidents	\$2,000
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TOTAL EXPENDITURES	\$424,694

HOUSEHOLD HAZARDOUS MATERIALS

ACTIVITIES REPORT | FISCAL YEAR 2023

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. **RCC facilities helped Iowa residents and small businesses properly dispose of more than 7 million pounds of toxic, flammable, corrosive and reactive materials.**

This report discusses actions undertaken and results from the DNR's HHM program and its stakeholder partners in Fiscal Year 2023

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 2023 SUMMARY & ACCOMPLISHMENTS

PROGRAM INVESTMENT FOR RCC FACILITIES

INNOVATION AND ESTABLISHMENT FUNDING	\$78,351
SUPPORT FOR CURRENT FACILITY OPERATIONS	\$811,151
TOTAL PROGRAM INVESTMENT FOR FY 2023*	\$889,502

MATERIALS MANAGED BY HAZARD TYPE

TOXIC insecticides, pesticides, poison	159,036 lbs.
CORROSIVE drain cleaners, mercury	115,037 lbs.
FLAMMABLE lighter fluid, aerosols, thinners	320,710 lbs.
REACTIVE pool chemicals, toilet bowl cleaners, ammonia	9,219 lbs.

MATERIALS MANAGED BY COMMON PRODUCT TYPE

E-WASTE computers, televisions, cell phones	1,482,873 lbs.
BULBS CFL, LED, halogen	146,510 lbs.
BATTERIES lead acid, lithium-ion, nickel-cadmium	173,224 lbs.
AUTOMOTIVE oil, antifreeze, oil filters, lead acid batteries	989,347 lbs.
PAINTS	1,568,089 lbs.
OTHER MATERIALS sharps, scrap metals from appliances	2,451,068 lbs.
OIL-RELATED filters, oily debris, oil	747,547 lbs.

TOTAL OF ALL MATERIALS

HHMs REUSED LOCALLY THROUGH EXCHANGE/SWAP SHOPS	458,215 lbs.
CONTRACTED HHM DISPOSAL	863,871 lbs.
HHMs MANAGED LOCALLY	5,955,955 lbs.
PERCENTAGE OF MATERIALS COLLECTED THAT ARE RECYCLED	77%
TOTAL AMOUNT OF HHMs MANAGED PROPERLY	7,278,041 lbs.

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

Regional Collection Centers (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 purchasing and management for HHMs. Currently, 28 main facilities and 44 satellite facilities operate across Iowa, serving a total of 95 counties. From July 2022-June 2023, over 7 million pounds of HHMs were removed from the solid waste stream, including 458,215 pounds of materials placed in RCC materials exchanges, where residents can shop for free products. For local RCC contact information and service areas, go to www.iowadnr.gov/hhm

INNOVATION/IMPROVEMENT GRANTS The Department offered a special round of Improvement grants in the fall of 2022. **Nine facilities applied for and received grants totaling \$78,151.**

Funds were used for improvements at RCC facilities, such as upgrading product exchange areas, repairing Hazardous Storage buildings, updating equipment, or expanding operational work areas.

EXAMPLES OF PROJECTS FOR RCC IMPROVEMENT GRANTS:

Butler County RCC- Moving the Swap Shop area outside of the current receiving, sorting and lab packing will be safer for both residents and employees, and will provide increased storage in the remodeled sorting and receiving area. The need for these improvements was so the RCC could better serve the residents and very small quantity generator businesses in the Butler County service area.



Dickinson County RCC - Work to sandblast and paint the hazardous storage to help improve the structural integrity and containment by slowing/stopping the rusting of the outer, protective shell. The new paint will also make it more aesthetically pleasing to customers and hopefully lead to increase participation and confidence.



Metro Hazardous Waste Drop Off - Remodel and expand the product exchange area, using a majority of recycled materials. One of MWA's goals of this project is to demonstrate the importance of reuse. This is one of the primary functions of the Swap Shop, to provide good Household Hazardous Materials for reuse. MWA also wanted to make reuse part of the story for the expansion project. MWA collected masonry block from the MPE Landfill's Construction and Demolition area. Four pallets worth of 8" masonry block was collected and of that, 236 blocks were found to be reusable, nearly half of the needed block for the project.

