

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 10, 2024

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 2024 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)	\$226,128
Civil Penalties and Fines (collected pursuant to 29C.8A)	\$0
Interest	\$18,307
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TOTAL REVENUE	\$244,435

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)	\$267,074
Contracts & Grants for conducting the Educational Programs required pursuant to 455F.8B and 455F.9	\$3,774
Transfer to Department of Public Health for maintaining database to track poisoning incidents	\$2,000
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TOTAL EXPENDITURES	\$272,848

HOUSEHOLD HAZARDOUS MATERIALS

ACTIVITIES REPORT | FISCAL YEAR 2024

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 96 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 over 7.4 million pounds of toxic, flammable, corrosive and reactive materials.

81% of materials collected by RCC facilities are reused in onsite exchange areas or recycled via contractors for usable components such as precious metals, plastic, or feedstock for new materials.

This report discusses actions undertaken and results from the DNR’s HHM program and its stakeholder partners in Fiscal Year 2024.

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 2024 SUMMARY & ACCOMPLISHMENTS

PROGRAM INVESTMENT FOR RCC FACILITIES

INNOVATION AND ESTABLISHMENT FUNDING	\$40,260
SUPPORT FOR CURRENT FACILITY OPERATIONS	\$780,611
TOTAL PROGRAM INVESTMENT*	\$820,871

MATERIALS MANAGED BY HAZARD TYPE

TOXIC —Examples: insecticides, pesticides, poison	165,988 lbs.
CORROSIVE —Examples: drain cleaners, mercury	121,757 lbs.
FLAMMABLE —Examples: lighter fluid, aerosols, thinners	316,369 lbs.
REACTIVE —Examples: pool chemicals, toilet bowl cleaners, ammonia	5,870 lbs.

MATERIALS MANAGED BY COMMON PRODUCT TYPE

E-WASTE —Examples: computers, televisions, cell phones	1,371,808 lbs.
BULBS —CFL, LED, halogen	297,421 lbs.
BATTERIES —lead acid, lithium-ion, nickel-cadmium	171,384 lbs.
AUTOMOTIVE —oil, antifreeze, oil filters, lead acid batteries	1,033,248 lbs.
PAINTS	1,565,167 lbs.
OTHER RECYCLING —Examples: sharps, scrap metals from appliances	2,670,864 lbs.
OIL RELATED —filters, oily debris, oil	764,136 lbs.

TOTAL OF ALL MATERIALS

HHMs REUSED LOCALLY THROUGH EXCHANGE/SWAP SHOPS	458,636 lbs.
CONTRACTED HHM DISPOSAL	886,121 lbs.
HHMs MANAGED LOCALLY	6,077,785 lbs.
TOTAL AMOUNT OF HHMs MANAGED PROPERLY	7,422,543 lbs.
PERCENTAGE OF MATERIALS COLLECTED THAT ARE RECYCLED	81%

* 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; 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 96 counties. From July 2023-June 2024, over 7.4 million pounds of HHMs were removed from the solid waste stream, including 458,636 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 Spring of 2024.

4 facilities applied for and received grants totaling \$40,260.

Funds were used improvements at RCC facilities, such as advertising, repairing Hazardous Storage buildings, updating equipment to electrical models, or expanding operational work areas.

EXAMPLES OF PROJECTS FOR RCC IMPROVEMENT GRANTS:

Landfill of North Iowa RCC—Purchasing an electric/battery-powered walk-behind stacker lift. Stacker lifts are versatile tools that can be utilized in daily operations to easily handle heavy loads and reduce the time it takes to unload large, heavy items from customer vehicles.

Marshall County RCC—Purchasing a shed to be used as a SWAP shop. An HHM SWAP shop would promote waste reduction by allowing residential customers to drop off unwanted chemicals that can still be used by others.



Rathbun Area SW RCC—Updating infrastructure and safety systems; to include updating the hazardous storage building (fire suppression, new doors, and paint and purchasing a new tote top funnel for oil draining. The objective is to streamline the efficiency of the RCC operations, and update safety systems on the hazardous storage building.



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