



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
Todd Coffelt, Legislative Liaison, Dept. of Natural Resources
Amie Davidson, Bureau Chief, Land Quality Bureau

DATE: December 22, 2022

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 2022 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)	\$176,679
Civil Penalties and Fines (collected pursuant to 29C.8A)	\$0
Interest	\$1,578
<hr/>	
TOTAL REVENUE	\$178,257

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)	\$315,551
Contracts & Grants for conducting the Educational Programs required pursuant to 455F.8B and 455F.9	\$167,536
Transfer to Department of Public Health for maintaining database to track poisoning incidents	\$2,000
<hr/>	
TOTAL EXPENDITURES	\$485,087

HOUSEHOLD HAZARDOUS MATERIALS

DNR ACTIVITIES REPORT | FISCAL YEAR 2022

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 were able to help Iowa residents and small businesses properly dispose of over 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 2022.

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 2022 SUMMARY & ACCOMPLISHMENTS

PROGRAM INVESTMENT FOR RCC FACILITIES

INNOVATION AND ESTABLISHMENT FUNDING	\$117,700
SUPPORT FOR CURRENT FACILITY OPERATIONS	\$730,994
TOTAL PROGRAM INVESTMENT FOR CY 2021*	\$848,694

MATERIALS MANAGED BY HAZARD TYPE

TOXIC insecticides, pesticides, poison	169,434 lbs.
CORROSIVE drain cleaners, mercury	117,517 lbs.
FLAMMABLE lighter fluid, aerosols, thinners	323,553 lbs.
REACTIVE pool chemicals, toilet bowl cleaners, ammonia	5,480 lbs.

MATERIALS MANAGED BY COMMON PRODUCT TYPE

E-WASTE computers, televisions, cell phones	1,631,332 lbs.
BULBS CFL, LED, halogen	165,737 lbs.
BATTERIES lead acid, lithium-ion, nickel-cadmium	229,154 lbs.
AUTOMOTIVE oil, antifreeze, oil filters, lead acid batteries	1,073,985 lbs.
PAINTS	1,555,324 lbs.
OTHER MATERIALS sharps, scrap metals from appliances	2,310,966 lbs.
OIL-RELATED filters, oily debris, oil	769,260 lbs.

TOTAL OF ALL MATERIALS

HHMs REUSED LOCALLY THROUGH EXCHANGE/SWAP SHOPS	417,406 lbs.
CONTRACTED HHM DISPOSAL	895,056 lbs.
HHMs MANAGED LOCALLY	6,476,167 lbs.
PERCENTAGE OF MATERIALS COLLECTED THAT ARE RECYCLED	75%

TOTAL AMOUNT OF HHMs MANAGED PROPERLY 7,371,225 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 HHM purchasing and management. Currently, 28 main facilities and 44 satellite facilities operate across Iowa, serving a total of 95 counties. From July 2021-June 2022, over 7 million pounds of HHMs were removed from the solid waste stream, including 417,406 pounds of materials placed in RCC materials exchanges, where residents can shop for free products. RCC contact information and service areas: www.iowadnr.gov/hhm

BRING IT IN. WE ALL WIN!

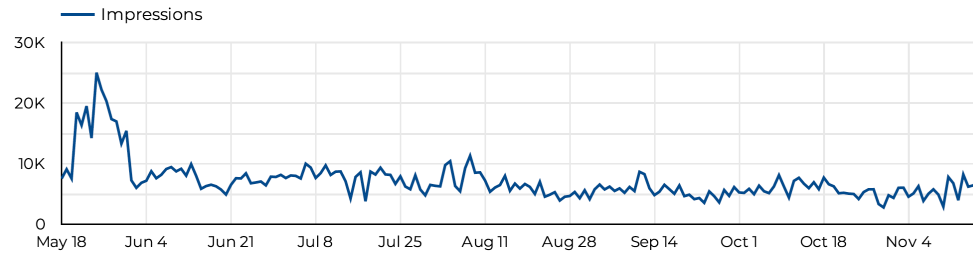
The DNR is tasked with educating Iowans on the identification of hazardous materials they may find in their home or small business. DNR also provides guidance on low or no cost disposal options for unwanted household hazardous materials. In FY 2022,

DNR embarked on an educational campaign through Social Media Marketing in partnership with a local, woman-owned Targeted Small Business.

Over the course of the six-month Bring It In. We All Win! campaign, digital ads associated with the campaign received almost 2.5 million impressions. From that

audience, there were 34,336 clicks to the DNR website to learn more about properly disposing of household hazardous materials, and campaign-related content received 62,448 video views. Of those users, male Iowans ages 35–44 were the most engaged demographic, which aligns with previous survey results and the campaign's goals. The campaign received engagement from every county across the state.

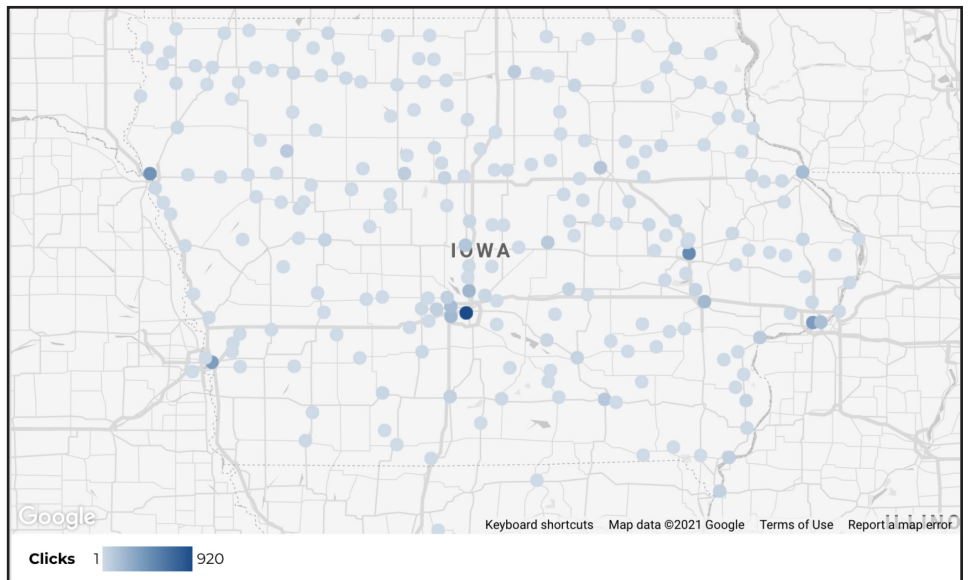
Google Display Ads: Impressions



**BRING IT IN.
WE ALL WIN!**



**BRING IT IN.
WE ALL WIN!**



www.iowadnr.gov/hhm

IOWA DEPARTMENT OF NATURAL RESOURCES
502 E. Ninth St. Des Moines, IA 50319 | (515) 725-8200