



STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
CHUCK GIPP, DIRECTOR

MEMO

FROM: Chuck Gipp, Director, Dept. of Natural Resources

Cc: Bruce Trautman, Deputy Director, Dept. of Natural Resources
Bill Ehm, Administrator, Environmental Services Division
Sharon Tahtinen, Legislative Liaison, Dept. of Natural Resources
Alex Moon, Chief, Land Quality Bureau

DATE: December 29, 2014

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 515-725-8302 or jennifer.wright@dnr.iowa.gov

**Fiscal Year 2014 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) | \$281,540 |
| Civil Penalties and Fines (collected pursuant to 29C.8A) | \$1,410,780 * |
| Interest | \$3,175 |
| <hr/> | |
| TOTAL REVENUE | \$1,695,495 |

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) | \$304,910 |
| Contracts & Grants for conducting the Educational Programs required pursuant to 455F.8B and 455F.9 | \$29,968 |
| Transfer to Department of Public Health for maintaining database to track poisoning incidents | \$2,000 |
| <hr/> | |
| TOTAL EXPENDITURES | \$336,878 |

* \$1,400,000 from this account was appropriated in H.F. 2473 for the fiscal year beginning July 1, 2014 and ending June 30, 2015, for supporting the DNR's air quality programs, including salaries, support, maintenance, and miscellaneous purposes.

SAFE, SMART SOLUTIONS FOR IOWA



HOUSEHOLD HAZARDOUS MATERIALS PROGRAM FISCAL YEAR 2014

Household Hazardous Materials (HHMs) are found in nearly every home; under sinks, in closets, basements and garages. Through local partnerships with the Iowa Department of Natural Resources (DNR) HHM program, Iowa citizens are able to access Regional Collection Centers (RCCs) in 93 of Iowa's 99 counties for proper management of HHMs to protect public health and the environment.

Last year, Iowa residents and small businesses dropped off more than 7 million pounds of toxic, flammable, corrosive and reactive materials at their local facilities — the equivalent of 411 garbage trucks. If lined up on an Iowa road, there would be bumper-to-bumper hazardous materials for almost 3 miles!

This report discusses actions undertaken and results from the DNR's HHM program and its stakeholder partners in Fiscal Year 2014.



The table below breaks down disposal methods and amounts of HHMs collected by Iowa RCCs, including the Northern Plains RCC in north central Iowa (pictured above).

WHAT EXACTLY 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 characteristics of HHMs. 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 2014 SUMMARY & ACCOMPLISHMENTS

MATERIALS MANAGED BY HAZARD TYPE

| | |
|---|--------------|
| TOXIC insecticides, pesticides, poison | 165,753 lbs. |
| CORROSIVE drain cleaners, mercury | 110,694 lbs. |
| FLAMMABLE lighter fluid, aerosols, thinners, oil-based paint | 392,467 lbs. |
| REACTIVE pool chemicals, toilet bowl cleaners, ammonia | 5,878 lbs. |

MATERIALS MANAGED BY COMMON PRODUCT TYPE

| | |
|--|----------------|
| E-WASTE computers, televisions, cell phones | 2,137,986 lbs. |
| FLUORESCENTS | 141,355 lbs. |
| LEAD-ACID BATTERIES | 181,328 lbs. |
| MOTOR OIL | 582,481 lbs. |
| OTHER MATERIALS sharps, scrap metals, oil filters, antifreeze, rechargeable batteries | 1,771,004 lbs. |
| PAINTS | 1,528,543 lbs. |

HHM DISPOSAL SUPPORT

| | |
|---|-----------------------|
| HHMs REUSED LOCALLY THROUGH EXCHANGE/SWAP SHOP The majority of RCCs make usable HHMs available to residents at no charge, providing an opportunity to reuse the HHMs for their intended purpose and reducing RCC disposal cost. | 424,083 lbs. |
| CONTRACTED HHM DISPOSAL HHMs that are removed from an RCC facility by a licensed hazardous waste contractor for treatment at a hazardous waste facility outside of Iowa. | 2,452,503 lbs. |
| HHMs MANAGED LOCALLY Non-hazardous material such as latex paint or hazardous material that an RCC manages with a local business; including oil, oil filters, lead acid batteries or scrap metal cans from bulking paint. | 4,180,626 lbs. |

TOTAL AMOUNT OF HHMs MANAGED 7,057,212 lbs.

REGIONAL COLLECTION CENTERS IN IOWA

Regional Collection Centers (RCCs) are local permanent collection facilities designed to assist the public and conditionally exempt small quantity generator (CESQG) 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, provide a materials exchange (Swap Shop) and educate citizens about proper purchasing and management for HHMs.

Currently 28 main facilities and 39 satellite facilities operate across Iowa, serving a total of 93 counties. Last year, more than 7 million pounds of HHMs were removed from the solid waste stream, including 424,083 pounds of materials placed in RCC materials exchanges as a no-cost alternative to buying new HHMs for Iowa citizens.

For local RCC contact information and service areas, go to www.safesmartsolutions.org.

2014 RCC INNOVATION/IMPROVEMENT & ESTABLISHMENT GRANT RECIPIENTS

1 BUTLER COUNTY: \$6,971 for improvements to operational efficiencies including the purchase of a supplied air system, drum caddies for fluorescent tubes and a pressurized eye wash/drench hose.

2 CEDAR RAPIDS/LINN COUNTY: \$8,728 for the purchase of an electric pallet staker to increase efficiencies in loading and unloading materials.

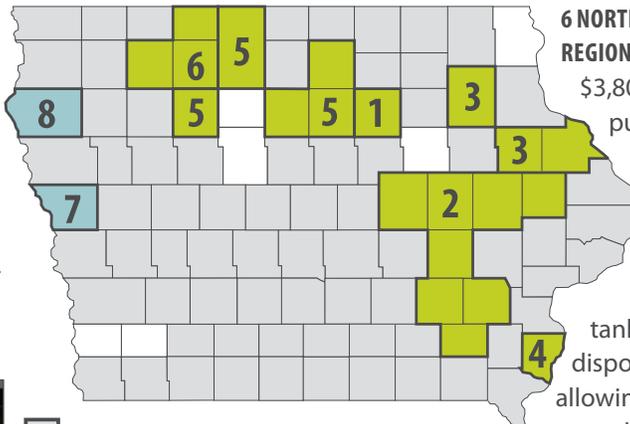


the air system, and shelving to supplement the current exchange/swap area.

4 HAZ CHEM CENTER OF SE IOWA: \$5,990 for equipment that allows workers to increase unloading and processing speed for customers.



5 LANDFILL OF NORTH IOWA: \$2,907 for the purchase of a supplied air system to allow staff to process material more efficiently and increase customer convenience.



- FACILITY OPERATIONS FUNDING
- INNOVATION/IMPROVEMENT GRANT
- ESTABLISHMENT GRANT

3 DUBUQUE COUNTY: \$6,070 for the purchase of a portable supplied air system, a cabinet to store

7 MONONA COUNTY: \$9,450 for construction of an indoor sorting and receiving area, allowing for year-round collection of materials from households and qualifying small businesses.



8 PLYMOUTH COUNTY: \$43,700 for the completion of a RCC sorting and receiving area, purchasing a mobile unit for community collection events, supplies, equipment and a hazardous storage building.



6 NORTHERN PLAINS REGIONAL LANDFILL: \$3,800 for the purchase of bulking & recycling systems for aerosol cans and propane tanks; decreasing disposal costs and allowing empty cans to be recycled.



HHM PROGRAM INVESTMENT FOR RCC FACILITIES

| | |
|--|------------------|
| Establishment Grants | \$53,150 |
| Innovation/Improvement Grants | \$34,467 |
| Facility Operations Funding | \$450,493 |
| TOTAL PROGRAM INVESTMENT FOR FY 2014* | \$538,110 |

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



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