

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.

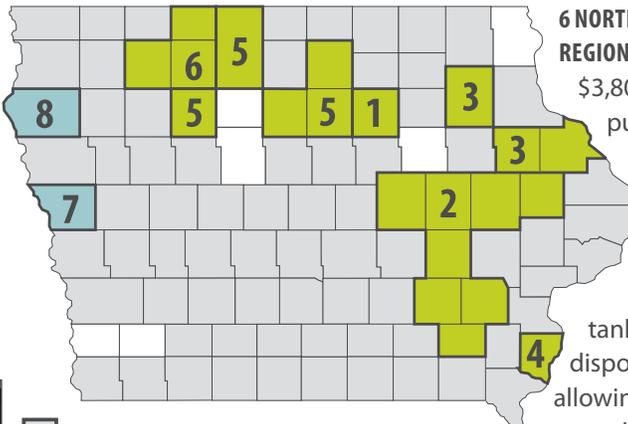


the air system, and shelving to supplement the current exchange/swap area.

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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IOWA DEPARTMENT OF NATURAL RESOURCES
502 E. 9th St. Des Moines, IA 50319 | (515) 725-8200