

**INDIANA
 HOUSEHOLD HAZARDOUS WASTE
 GRANT PROGRAM**

ANNUAL REPORT

FISCAL YEAR 2007

The Indiana Department of Environmental Management, Office of Pollution Prevention and Technical Assistance, Source Reduction and Recycling Branch provides grant funding and technical assistance to Indiana local units of government for the development and operation of household hazardous waste (HHW) and conditionally exempt small quantity generator waste (CESQG) collection programs. IDEM also provides technical assistance to Indiana residents and businesses on HHW and CESQG collection and management issues, including household pharmaceutical and sharps waste management.

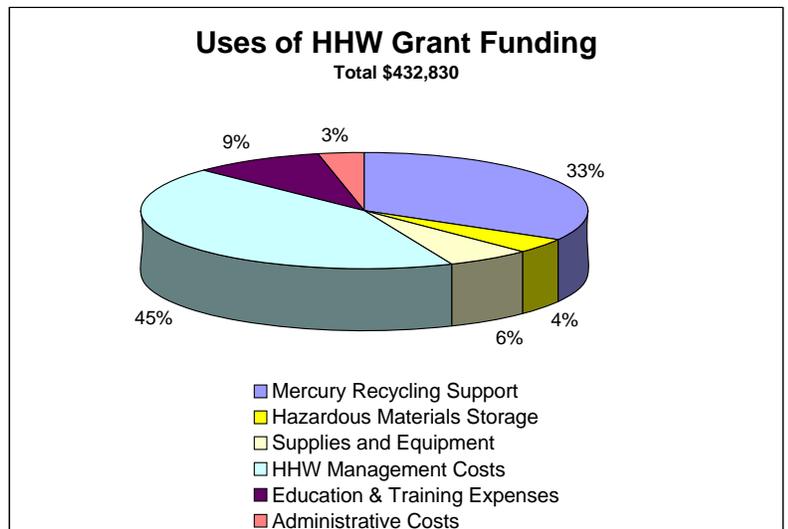
IDEM HHW and CESQG Financial Assistance

Per Indiana Code 13-20-20-1, IDEM provides matching grants to units of government and solid waste management districts (SWMD) through the Indiana Household Hazardous Waste Grant Program. The grants provide funding for projects involving the collection, recycling, or disposal of HHW and CESQG waste. IDEM’s objectives for the program are to:

- 1) Provide financial support for the establishment of permanent HHW and CESQG services throughout Indiana which are available to all residents and conditionally exempt generators in the areas served;
- 2) Support the safe and environmentally sound disposal or recycling of HHW and CESQG waste; and
- 3) Educate the public and CESQGs about source reduction, pollution prevention, and the safe management and proper disposal or recycling of HHW and CESQG waste.

Specific ways the grants may be used include:

- ◆ Education programs informing the public of less hazardous and/or nontoxic substitutes for typical household hazardous products to reduce the quantity of HHW and CESQG waste generated;



- ◆ Reuse and product exchanges to reduce the quantity of HHW being disposed; and
- ◆ The establishment of permanent facilities for the proper handling, storage, and disposal of HHW and CESQG waste.

Eligibility

Solid waste management districts, counties, municipalities and townships are eligible to apply for funding. IDEM encourages joint applications between two or more units of government so that money is allocated in the most effective way. Businesses, commercial operations, non-profit organizations and programs that manage farm operations are not eligible for funding.

Minimum Program Requirements

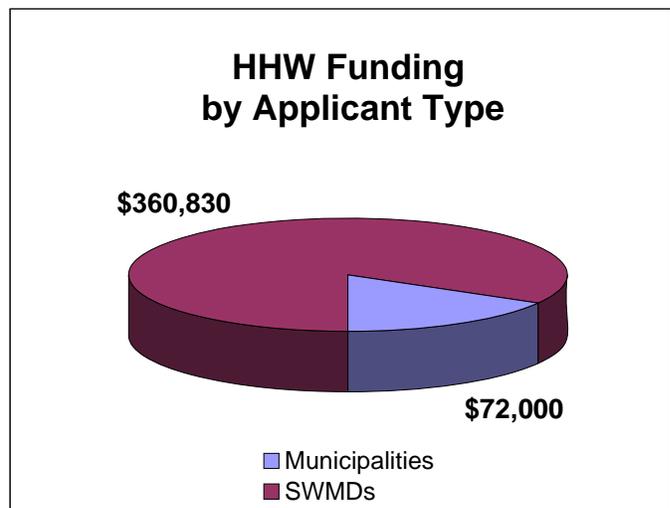
While the intent of the program is to create new, self-sustaining HHW programs, grant funds may be used to expand collection programs or provide ongoing support for existing programs. The establishment of new permanent HHW programs is challenging because of applicant's ongoing budget commitment and the requirement for trained staff. Each application must include plans for effective public education and promotion. IDEM advocates that the most effective way to establish permanent HHW and CESQG services is to encourage the development of local, sustainable programs by limiting grant eligibility to permanent collection programs and not using grant funds to support one-day collection events known as "tox-away days." Permanent HHW collection programs must:

- 1) Advertise a regular schedule of operating hours;
- 2) Accept HHW from the public by appointment, in addition to regularly scheduled operating hours;
- 3) Provide public outreach and education;
- 4) Safely store collected HHW according to all applicable rules and regulations until transportation; and
- 5) Implement a material management plan.

Fiscal Year 2007 Household Hazardous Waste Grants

In FY 2007, IDEM received 15 HHW grant applications. A committee, comprised of representatives from the private sector, SWMDs, the Indiana Association of Cities and Towns, and IDEM reviewed the applications. Following the review, IDEM awarded full or partial funding totaling \$432,830 to 14 applicants.

As indicated in the accompanying graphic, SWMDs received much of the funding to promote safe management, recycling and disposal of HHW.* The distribution of the grants is illustrated in the following map, as well as a summary of the 14 projects funded by the Indiana HHW Grant Program.



*IDEM has the authority under IC 13-20-20-1 to provide funding for household hazardous waste projects from the Hazardous Substances Response Trust Fund established by IC 13-25-4-1, and if money is available under IC 13-25-4-4 and the Solid Waste Management Fund established by IC 13-20-22-2. Of the 14 grants awarded, all were funded from the Hazardous Substances Response Trust Fund.

Hamilton County Solid Waste Management District**\$42,000**

The Hamilton County SWMD received funding assistance for ongoing support of a permanent HHW collection facility. The program provides collection and disposal services to Hamilton County residents not served by the city of Carmel HHW program. The district provides educational and promotional materials to educate the public regarding the proper disposal of HHW and the availability of the program. Grant funds support the purchase of supplies, HHW management and public education expenses.

Orange County Solid Waste Management District**\$29,769**

The Orange County SWMD received funding assistance for the establishment of a permanent HHW collection facility. The program will provides collection and disposal services to Orange County residents. The district will provide informational and promotional materials to educate the public regarding the proper disposal of HHW and the availability of the program. Grant funds support the purchase of hazardous materials storage building, supplies and equipment, HHW management, and public education expenses.

Recycling & Waste Reduction District of Porter County**\$20,300**

The Porter County SWMD received funding assistance for ongoing support of a permanent HHW collection facility. Porter County SWMD provides collection and disposal services to residents, and educational and promotional materials to the public regarding the proper disposal of HHW and the availability of the program. Grant funds support the purchase of supplies, HHW management and public education expenses.

Wabash County Solid Waste Management District**\$33,500**

The Wabash County SWMD received funding assistance for ongoing support of a permanent HHW collection facility. Wabash County SWMD provides collection and disposal services to residents, and educational and promotional materials to the public regarding the proper disposal of HHW and the availability of the program. Grant funds support the purchase of supplies, HHW management and public education expenses.

Wildcat Creek Solid Waste District**\$10,000**

The Wildcat Creek SWD received funding assistance for ongoing support of a permanent of its HHW collection program. The program provides collection and disposal services to Tippecanoe and Clinton county residents. The district provides educational and promotional materials to educate the public regarding the proper disposal of HHW and the availability of the program. Grant funds support HHW management expenses.

Mercury Hub Grants**\$143,742**

IDEM provided grants to five solid waste management districts and one city to continue the Mercury HUB Program. The six entities receiving funds will serve as mercury hubs, or central consolidation points for mercury collected by solid waste management districts and communities. The Mercury HUBs consolidate mercury and mercury-containing items collected by program participants and recycle it through a contractor, billing program participants for the non-grant funded portion of the recycling cost. The six mercury hub grants and their funding amounts are:

Mercury Hub	Grant Amount	Mercury Hub	Grant Amount
Allen County SWMD	\$23,805	Lake County SWMD	\$12,415
Howard County SWMD	\$30,762	Monroe County SWMD	\$28,000
Indianapolis, City of	\$30,000	Wildcat Creek SWMD	\$18,760
		TOTAL	\$143,742

Funding Requirements for 2008 Program

For 2008, IDEM's goal for the Indiana Household Hazardous Waste Grant Program is to encourage the development of new programs that reduce the disposal of HHW that can damage infrastructure, harm individuals, and contaminate Indiana's land and water. IDEM's objectives are to develop a statewide infrastructure for HHW and CESQG collections and educate residents about the proper management and disposal of HHW.

The HHW grants awarded in FY 2007 provided financial and technical support for HHW programs across the state. The end result is more residents have access to better disposal alternatives, and understand the need to reuse or recycle the hazardous waste they generate. Because many of the funded projects have a limited scope and limited HHW collection services, OPPTA's support for these HHW programs is critical for their continued success and growth (refer to Attachment A "Household Hazardous Waste Services Map," and Attachment B "Household Hazardous Waste Service Providers List").

Recommendations:

The Indiana Department of Environmental Management will continue to support the safe management and appropriate disposal of collected HHW and the development and expansion of sustainable, permanent collection programs through future funding rounds of the Indiana Household Hazardous Waste Grant Program. In summary, with input from external partners, IDEM will:

- 1) Continue to support the development of CESQG education and disposal services;
- 2) Continue to support the development and implementation of permanent HHW services;
and
- 3) Continue to provide funding support to programs that collect and recycle mercury.

Update on Technical Assistance and Household Hazardous Waste Collection Activities

The preceding section described the financial assistance that IDEM provides to support the establishment or improvement of household hazardous waste programs across the state. The following section provides an update on Indiana HHW program operations and activities the agency has been involved with to educate students, residents and businesses about what their communities can do to reduce HHW and CESQG generation and improper disposal.

HHW Service Availability

Most HHW programs are provided on a county basis by solid waste management districts, with five communities having HHW programs (see map on page 9). While some level of HHW collection service is available in every county, some residents may not have access to full

HHW collection service or access to only a limited service not collecting all materials. Many areas of the state are served by Tox-Away Days (one-day collection events) which provide an annual collection or in some counties quarterly collection days. This can be a problem for some people who can not wait for a Tox-Away Day; for example, movers will not transport HHW and people are often unable or unwilling to move it themselves.

HHW programs collect a variety of household products that have hazardous characteristics and household discards that are “problem wastes.” Household products that are considered hazardous have at least one of the following characteristics: toxic, flammable, corrosive, or reactive.

Examples of HHW		
♦ Mercury	♦ Fluorescent light bulbs	♦ Pesticides
♦ Cleaners	♦ Motor oil	♦ Pool chemicals
♦ Bleach	♦ Paint thinner	♦ Gasoline
♦ Paint	♦ Automotive products	♦ Poisons

Problem Wastes			
♦ Appliances	♦ Tires	♦ Sharps	♦ Electronics & TVs



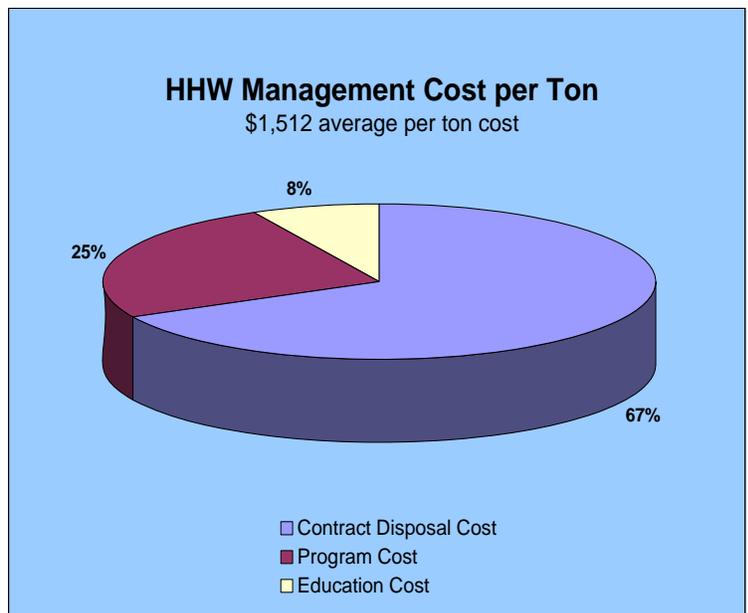
Results of HHW Collection Activities

In an effort to track the activities of State HHW programs, IDEM requests programs to voluntarily submit HHW data. Thirty-nine HHW programs, serving 79 percent of Indiana residents, completed IDEM’s HHW Data Form for the 2006 calendar year. The programs completing the form provided the State with HHW collection and waste management information.

During the 2006 calendar year, the 39 reporting HHW programs collected 2707 tons of HHW from 107,407 customers. The programs spent \$4,091,432 to collect and manage HHW. On average, HHW programs spent \$38 per customer for collection and disposal, collected 56 pounds of HHW per customer and spent \$116 educating the public per ton of HHW collected.

Collection Expense

HHW collection services are either performed by program staff or through a contractor. Contractors are not only utilized to provide collection services for some programs, but also provide disposal or recycling of the collected waste in an environmentally preferable manner. Working closely with program managers, contractors play large roles in providing HHW collection and disposal services; 67% of HHW program budgets were spent with contractors to manage the recycling or disposal of HHW.



Used Motor Oil

Collecting and disposing of HHW in an environmentally preferable manner cost money for each pound of HHW collected and person served. Generally, the more waste a program collects the more it costs. In recent years this has not been the case as far as used motor oil is concerned. With the high price of oil, programs are now able to be paid for the used motor oil they collect. In 2006 Indiana HHW programs collected 102,556 gallons of motor oil. Used motor oil can be re-refined into oil that is equivalent in quality to oil produced from crude sources. One program alone collected 15,910 gallons of used motor oil at six collection sites, receiving nearly \$4000 in income.

Indiana Household Hazardous Waste Task Force

The Indiana Household Hazardous Waste Task Force, Inc. (IHHWTF) continues to address HHW issues throughout the state. The Task Force promotes the proper, environmentally-safe collection, recycling, and disposal of household hazardous waste. Its 53 members include solid waste management districts, cities, towns, counties and companies that manage or provide HHW programs. Since 2000, regional cooperative HHW grants and local funding have supported IHHWTF members in diverting more than 3.4 million pounds of HHW from being poured down the drain, on the ground, or ending up in solid waste landfills.

Mercury Awareness Program

The Mercury Awareness Program (MAP) began in October 1998 through a partnership with the Indiana IHHWTF, other SWMDs and communities across the state. With the support of IDEM grant funding, Indiana's MAP provides financial assistance through a network of mercury hubs for the recycling of collected mercury and mercury-containing products. Mercury collected through the seven local community and SWMD programs that serve as hubs is recycled through a contractor. HHW programs report collecting 110 tons of mercury and mercury-containing items and debris in 2006.

Seven MAP Hubs

Allen County SWMD
Howard County SWMD
Indianapolis, City of
Lake County SWMD
Monroe County SWMD
Spencer County SWMD
Wildcat Creek SWMD

Education and Training

The Indiana Recycling Grant Program provided \$526,718 in Public Education and Promotion (PEP) grants to 54 SWMDs for recycling and HHW education and promotion in FY 2006. PEP grants are provided from the Solid Waste Management Fund and provide funding for recycling and HHW education and promotion. HHW educational activities included informing the public about HHW collection services and the safe management, use and proper disposal of HHW.

PEP funds were also utilized to train SWMD staff in the safe handling and management of household hazardous waste and the safe operation of equipment and facilities. Funds were also used for SWMD staff to attend professional training and conferences that met IDEM requirements. PEP funding enabled many district personnel to receive required Occupational Safety and Health Administration (OSHA) training.

Summary

IDEM hopes to further HHW's environmental benefits by offering help to all Hoosiers regarding household and CESQG waste reduction and disposal. In 2006, the \$395,083 investment of state HHW grant funding was matched by \$3,658,159 in spending by the 39 programs that reported HHW data to IDEM. With a relatively small state contribution, Indiana programs continue to invest in HHW services, with two thirds of HHW spending going for contractor costs. IDEM source reduction and recycling staff provide quick and consistent technical assistance and information to local HHW programs. In this way, HHW programs are better operated and managed.

For more information about HHW in Indiana and HHW resources, please visit the IDEM's Web site at: www.recycle.in.gov.

Household Hazardous Waste Services Map

Indiana solid waste management districts and communities provide household hazardous waste and mercury collection and disposal services. The HHW Services Map provides a guide to available collection services.

- ★ Mercury Hub (see below)
- Limited Waste Collection
- Single Day Collection Program
- Permanent Collection Program
- Use Neighboring Program
- Community-Based Programs
(Carmel, Clinton, Indianapolis, Seymour, Richmond and Washington)

The **Mercury Awareness Program** collects mercury and mercury-containing devices from residents. Mercury hubs provide consolidation, storage and recycling services through a contractor for communities and solid waste management districts participating in the Indiana Mercury Awareness Program.

