



Adams County Household Hazardous Waste Program

2008 Annual Report

Executive Summary

The Adams County Household Hazardous Waste Program serves the residents of Adams County, including the Cities of Brighton, Commerce City, Federal Heights, Northglenn, and Thornton, by providing an opportunity for disposal of hazardous chemicals from their homes in a safe, legal, and environmentally-sound manner. This provides an outlet for wastes that might otherwise end up in our creeks, stormwater systems, sanitary sewers and septic systems, or be disposed of illegally on others' property. Removing these products from people's homes also reduces the potential for accidental poisoning. Throughout the year, the Program provides information to the public about ways to reduce the generation of household hazardous waste, including ways to recycle and dispose of items that should not be poured down the drain or put in the trash. The Adams County Household Hazardous Waste Program is operated by the Tri-County Health Department under contract to sponsoring jurisdictions including Adams County, the Cities of Brighton, Commerce City, Federal Heights, Northglenn, and Thornton.

In 2008, the Program operated three "Household Chemical Roundups," one-day events to collect household hazardous wastes from homeowners. A total of 1,226 vehicles participated in the Roundups, collecting waste from an estimated 1,410 households. Over 68 tons of hazardous materials were collected, including 4,853 gallons of hazardous liquids (oil, antifreeze, flammable liquids, and reactive chemicals), 7,795 pounds of pesticides, 107 pounds of mercury-containing devices, and over 34 tons of paint and paint products. An additional 259 tires, 238 propane tanks, 363 automotive batteries, and 7,628 pounds of electronic waste were also recycled.

The 2008 Adams County Household Hazardous Waste Program incurred \$138,211.06 in expenses which includes a \$75,802.06 disposal cost for hazardous waste from the three events. Total program cost per participating household for the 2008 Adams County Household Chemical Roundup season was \$87.35. The cost to sponsoring jurisdictions was also offset by participants' donations of \$13,050 (about \$10.64 per vehicle) and contributions of \$1,000 from Tetra Tech Inc. and \$1,000 from Darling International.

The Program's success is dependent on the support of numerous agencies, corporations, and individuals. Sponsoring agencies included the Cities of Commerce City, Brighton, Federal Heights, Northglenn, Thornton, and Adams County. The following organizations also contributed significant resources to the Program: Hyland Hills Park and Recreation District, Metro Wastewater Reclamation District, South Adams County Water and Sanitation District, Suncor Energy USA, Inc., Super Kmart Store #4917, Darling International and Tetra Tech Inc. Please thank them for their contribution to the Program.

The Tri-County Health Department looks forward to operating the Adams County Household Chemical Roundup Program again in 2009, and will strive to continue offering high-quality services to its citizens in the most efficient manner possible.

Attachments:

- *A. Participation Summary*
- *B. Waste Collection Summary*
- *C. Financial Statement*

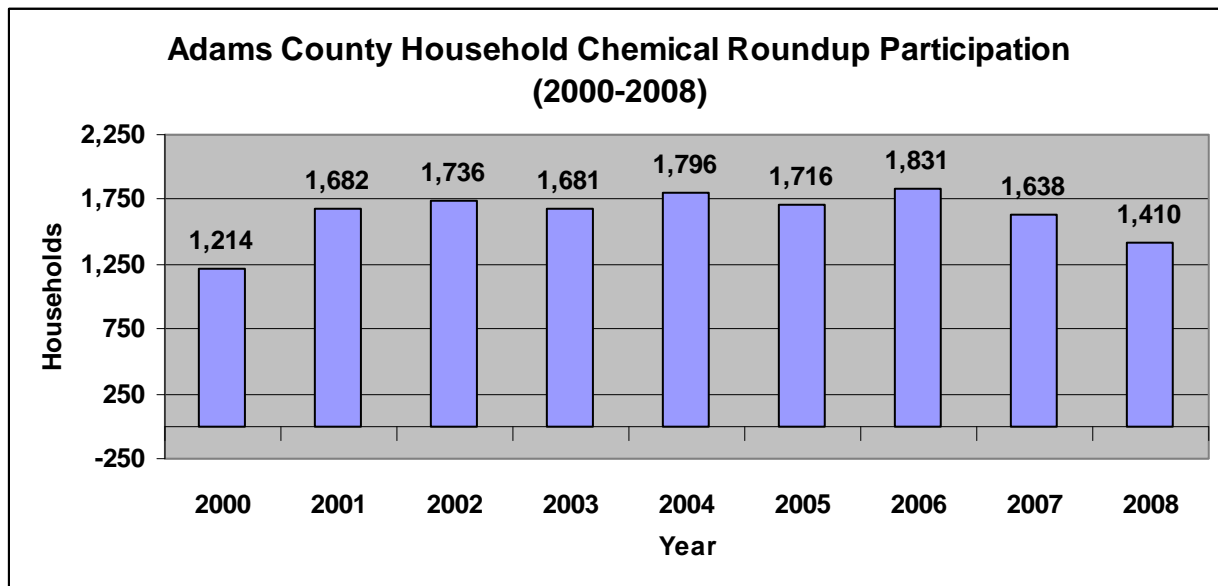
Attachment A. Participation Summary

A total of 1,226 vehicles participated in the Household Chemical Roundups, collecting waste from an estimated 1,410 households. (It is estimated that each vehicle brings wastes from 1.15 households.) Over 68 tons of hazardous materials were collected, including 4,853 gallons of hazardous liquids (oil, antifreeze, flammable liquids, and reactive chemicals), 7,795 pounds of pesticides, 107 pounds of mercury-containing devices, and over 34 tons of paint and paint products. An additional 259 tires, 238 propane tanks, 363 automotive batteries, and 7,628 pounds of electronic waste were also recycled. A complete list of how many people participated (per sponsoring jurisdiction) and waste collected is presented in the table below.

Figure 1. Participation Summary

Participating Households	2006	2007	2008	Water World	Fair-grounds	K-Mart / Thornton
Adams County	465	424	343	153	93	97
Brighton	237	135	137	10	93	34
Commerce City	182	84	104	25	39	40
Federal Heights	72	70	50	39	6	5
Northglenn	401	406	270	67	28	175
Thornton	467	496	494	168	127	199
Other	7	23	12	7	3	2
Total Participating Households	1,831	1,638	1,410	469	389	552

Figure 2. Household Chemical Roundup Participation (2000-2008)



Attachment B. Waste Collection Summary

Figure 3. Waste Collection Summary

Waste Type Collected	Unit	2006	2007	2008	Water World 2008	Fair-grounds 2008	K-Mart / Thornton 2008
Acids	Gal.	165	193	193	51	85	57
Aerosol Cans	Lbs.	2,350	3,675	4,100	2,000	1,000	1,100
Antifreeze	Gal.	1,365	710	770	210	295	265
Bases/Caustics	Gal.	180	153	215	100	30	85
Flammable Materials (liquids)	Gal.	1,395	1,320	1,486	738	385	363
Flammable Materials (solids)	Lbs.	10	15	55	20	20	15
Mercury	Lbs.	95	160	107	40	17	50
Paint Products	Lbs.	116,500	99,200	85,240	29,720	24,320	31,200
Pesticides/Herbicides (liquid)	Gal.	1,007	828	687	200	237	250
Pesticides/Herbicides (solids)	Lbs.	3,825	3,150	2,300	900	700	700
Toxic Chemicals n.o.s.* (solids)	Lbs.	340	373	482	60	342	80
Used Motor Oil	Gal.	3,400	2,465	2,170	710	660	800
Propane Tanks	Each	274	400	238	73	87	78
Scrap Metal	Lbs.	1,250	700	600	200	200	200
Tires	Each	247	272	259	67	48	144
Vehicle Batteries	Each	450	430	363	109	95	159
<i>total gallons</i>		7,512	5,669	5,521	2,009	1,692	1,820
<i>est. weight (gallons * 8)</i>		60,096	45,352	44,168	16,072	13,536	14,560
Total Waste Collected (Lbs.)		184,466	151,923	137,052	49,012	40,135	47,905

* n.o.s. – not otherwise specified