

# SUMMARY OF 2005 VERMONT HHW/CEG HAZARDOUS WASTE PROGRAM ACTIVITY

TOWN/DISTRICT	COLLECTION EVENTS	HH UNITS	PARTICIPANTS	BUSINESSES	REPEAT PARTICIPANTS	% REPEAT PARTICIPANTS	% TOTAL PROGRAM PARTICIPATION	PROGRAM COST	\$/PART	HHW POUNDS OF WASTE	CEG POUNDS OF WASTE	POUNDS OF WASTE PER HHW PARTICIPANT	POUNDS OF WASTE PER CEG PARTICIPANT	POUNDS OF MERCURY-ADDED PRODUCTS/DEBRIS	POUNDS OF ELEMENTAL MERCURY	FLUORESCENT LAMPS (FT)	ELECTRONICS
1 Addison County SWMD	142	12706	825	56	473	57.33	6.49	\$36,101.76	\$43.76	48880	12457	59	222	60	0	31448	165280
2 Bennington CRC <sup>1</sup>	2	6575	226	1	124	54.87	3.44	\$16,728.64	\$74.02	11440	400	51	400	0	0	1784	0
3 Central Vermont SWMD <sup>2</sup>	8	27751	591	38	163	27.58	2.13	\$57,086.71	\$96.59	231400	3440	392	91	80	0	11593	95880
4 Chittenden SWMD	290	62358	8085	583	0	0.00	12.97	\$54,1695.00	\$67.00	403379	158680	50	272	320	0	194187	172000
5 Greater UVSWMD(GUV)	2	9462	518	8	301	58.11	5.47	\$33,752.00	\$65.16	30664	4112	59	514	25	0	16130	45846
6 Lamoille RSWMD	4	12780	410	18	199	48.54	3.21	\$27,403.75	\$66.84	23154	6805	56	378	12	0	28030	65600
7 Londonderry Group <sup>3</sup>	2	2806	114	6	40	35.09	4.06	\$14,420.31	\$126.49	11000	2000	96	333	240	0	2480	0
8 Mad River SWA	2	8111	327	42	205	62.69	4.03	\$37,244.00	\$113.90	11040	7680	34	183	400	15	7374	5050
9 NE Kingdom SWMD	89	12154	1100	27	199	18.09	9.05	\$42,800.00	\$38.91	54080	2997	49	111	25	0	41567	50198
10 Northwest SWMD	15	13758	526	26	253	48.10	3.82	\$38,502.06	\$73.20	26800	3280	51	126	38	7	7071	19448
11 Rutland County SWMD	295	22500	892	116	0	0.00	3.96	\$127,849.19	\$143.33	27816	11200	31	97	0	2	52789	103446
12 Solid Waste Alliance Committee	4	6546	306	0	0	0.00	4.67	\$13,386.70	\$43.75	13815	0	45	0	0	0	3060	8939.25
13 S. Wind/Windham SWMD	2	20104	267	5	110	41.20	1.33	\$24,983.05	\$93.57	24280	2080	91	416	0	0	25113	30000
14 White River Alliance	2	4769	163	5	0	0.00	3.42	\$13,125.43	\$80.52	8000	400	49	80	2	0	2058	0
15 Windham SWMD	305	19468	1976	13	0	0.00	10.15	\$26,185.00	\$13.25	42920	4934	22	380	238	4	6104	14960
16 Waste USA (NEK) <sup>4</sup>	2	10831	260	5	0	0.00	2.40	\$25,910.82	\$99.66	20280	1218	78	244	0	0	3503	5725
17 Burke <sup>5</sup>	2	892	97	0	50	51.55	10.87	\$8,866.00	\$91.40	5520	0	57	0	5	1	2904	2500
18 Corinth	1	728	6	0	3	50.00	0.82	\$951.99	\$158.67	152	0	25	0	0	0	3	0
19 Fairfax	2	1249	87	0	30	34.48	6.97	\$3,880.00	\$44.60	2080	0	24	0	4	0	259	350
20 Franklin/Highgate	2	2111	49	0	10	20.41	2.32	\$3,046.63	\$62.18	3260	0	67	0	0	0	379	100
21 Hartford	2	5493	140	0	0	0.00	2.55	\$9,303.91	\$66.46	14920	0	107	0	0	0	1080	0
22 Randolph, Braintree & Brookfield	2	3074	358	2	221	62.08	11.68	\$21,763.20	\$61.13	17040	120	48	60	0	0	0	0
23 St. Albans Town	2	2267	246	0	230	93.50	10.90	\$11,500.00	\$46.75	12720	0	52	0	10	2	710	0
24 St. Johnsbury	2	3482	201	40	143	71.14	5.77	\$15,825.00	\$78.73	6000	840	30	21	242	5	11000	0
25 Swanton	2	2689	113	1	80	70.80	4.20	\$4,528.26	\$40.07	2720	0	24	0	0	0	192	0
<b>TOTALS</b>	<b>1183</b>	<b>274654</b>	<b>17881</b>	<b>992</b>	<b>2834</b>	<b>15.85</b>	<b>6.51</b>	<b>\$1,156,839.40</b>	<b>\$64.70</b>	<b>1053380</b>	<b>222643</b>	<b>66</b>	<b>157</b>	<b>1701</b>	<b>36</b>	<b>450818</b>	<b>785322.25</b>

<sup>1</sup> Includes the towns of Arlington, Dorset, Manchester, Rupert, Sandgate, and Sunderland.

<sup>2</sup> Includes some of Corinth, Fairlee, Newbury and Greensboro wastes.

<sup>3</sup> Includes the town of Mount Holly for 1 collection.

<sup>4</sup> Includes the following towns; Barton, Brownington, Burke, Charlestown, Coventry, Glover, Greensboro, Jay, Lowell, Newport Town, Newport City, Troy, and Westfield.

<sup>5</sup> Participated in one Coventry HHW collection event and held one collection event in Burke.

## SUMMARY

The following 2005 HHW/CEG Hazardous Waste Collection Data was tabulated from Solid Waste Districts, Alliances and Municipalities representing 93% of Vermont households. These statewide collections cost approximately \$1,156,800.00, served approximately 17800 participants and collected approximately 526 tons of Hazardous waste, 111 tons of Conditionally Exempt Generator (CEG) waste, 36 pounds of mercury, 1701 pounds of mercury-added products/debris, 450,000 linear feet of fluorescent lamps and approximately 785,000 pounds of electronic wastes. In comparison, 2004 saw 92% of Vermont Households represented, cost approximately \$1,119,900, served approximately 19400 participants and collected approximately 484 tons of Hazardous Waste, 246 pounds of mercury, 2575 pounds of mercury-added products/debris and 430,000 linear feet of fluorescent lamps. The following is a comparison of the 2005 and 2004 collection years.

- Average statewide cost per participant in 2005 was approximately \$75.60. This is an increase from 2004 when the average cost per participant was \$69.09. In addition, the total cost for statewide collections in 2005 was approximately \$37,800 more than 2004 (\$1,156,800 vs \$1,119,000). 2005 when compared to 2004 saw an increase in the hazardous waste collected (526 tons vs. 484 tons).
- 2005 Statewide participation saw a decrease in the total number of participants (17881 vs. 19,474) in comparison to 2004, and an increase in the average statewide participation (6.51% vs. 4.22%). Of the participants for 2005, 992 were businesses and 2834 were repeat participants (repeat participants accounted for an average of 15% of the total 2005 participants).
- The amount of waste collected per participant increased when compared with 2004 (66 vs 56 pounds).
- Approximately 992 Conditionally Exempt Generators (CEG's) participated in 2005. These businesses averaged approximately 157 pounds of CEG waste each and accounted for approximately 111 tons of CEG Waste collected in 2005.
- The number of collection events available statewide increased in 2005 compared to 2004 (1183 vs. 1041).
- Approximately 36 pounds of elemental mercury, 1701 pounds of mercury-added products/debris and 450,000 linear feet of fluorescent lamps was collected in 2005. In comparison, 2004 was approximately 246 pounds of mercury, 2575 pounds of mercury-added products/debris and 430,000 linear feet of fluorescent lamps collected.
- Approximately 392 tons of electronic waste was collected in 2005 verses 245 tons collected in 2004.

Household estimates were derived from the US Census Bureau: *Population, Housing Units, Area and Density: 2000*.

Conversion factors used were 8 pounds per gallon, 400 pounds per 55-gallon drum, Gaylord or pallet and .15 pounds per lineal foot of fluorescent lamps.

This information is a collection of Household Hazardous and Conditionally Exempt Generator (HHW/CEG) Waste surveys completed by various Solid Waste Districts, Alliances and Municipalities throughout the State Of Vermont. All information compiled and represented here was reported by representatives of the Solid Waste District, Alliance and/or Municipality. Every attempt has been made to provide accurate information on Vermont's Household Hazardous Waste and Conditionally Exempt Generator waste collections. Multi-entity collections and districts that provide collection services for other districts or municipalities have reported their collection numbers only (to help prevent any double counting). Any questions, suggestions or corrections, please feel free to contact, Thomas A. Benoit, Sr at (802) 241-3472 or e-mail at thomas.benoit@state.vt.us.

**March 2006**