

SUMMARY OF 2001 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	POUNDS OF WASTE	POUNDS OF WASTE PER PARTICIPANT	POUNDS OF MERCURY-ADDED PRODUCTS/DEBRIS	POUNDS OF ELEMENTAL MERCURY	LINEAR FEET OF FLUORESCENT LAMPS
Addison County SWMD	20	11025	1009	11	545	54.01	9.15	\$67,785.86	\$66.46	62960	62	240	106	31823
Bennington RPC	2	7670	203	4	86	42.36	2.65	\$14,369.96	\$69.42	30304	149	1	20.6	0
Central Vermont SWMD	9	24373	360	29	117	32.50	1.48	\$34,059.00	\$87.56	16,673	46	105	0	11037
Chittenden SWMD ¹	254	55077	8868	348	0	0.00	16.10	\$153,172.00	\$16.62	462825	52	1231	0	154540
Greater UVSWMD ²	6	12470	517	2	200	38.68	4.15	\$40,493.00	\$78.02	46136	89	20	8	5796
SWAC/JMSC (Rutland)	4	5979	229	0	0	0.00	3.83	\$10,999.45	\$48.03	7065.63	31	0	6.75	1120
Lamoille RSWMD	6	9772	402	7	170	42.29	4.11	\$18,930.41	\$46.28	19632	49	6.75	0	1424
Londonderry Group ³	2	3256	121	6	10	8.26	3.72	\$10,069.18	\$79.28	11840	98	0	0	2215
Mad River SWA	4	4927	401	31	259	64.59	8.14	\$18,980.90	\$43.94	18126	45	5	8	3364
NE Kingdom SWMD	90	8212	582	9	0	0.00	7.09	\$14,211.84	\$24.05	25760	44	3	5	12405
Northwest SWMD ⁴	9	9855	396	2	0	0.00	4.02	\$12,776.88	\$32.10	27200	69	0	0	2031
Rutland County SWMD	177	20068	1078	40	0	0.00	5.37	\$29,997.68	\$26.83	40520	38	0	0	12062
S. Wind/Windham SWMD	3	16534	245	6	0	0.00	1.48	\$22,592.00	\$90.01	18000	73	2	5	2667
White River Alliance	2	3496	92	2	0	0.00	2.63	\$3,756.27	\$39.96	3201	35	6	0	2820
Windham SWMD	2	13316	349	17	0	0.00	2.62	\$25,940.00	\$70.87	34800	100	0	0	40
Waste USA (NEK) ⁵	2	8032	212	0	0	0.00	2.64	\$15,056.41	\$71.02	14120	67	0	0	416
Burke/Sutton	2	797	65	6	65	100.00	8.16	\$4,243.90	\$59.77	6000	92	0	0	1200
Bristol	2	1502	66	0	66	100.00	4.39	\$7,709.15	\$116.81	5624	85	0	2	574
Derby	1	1902	68	0	45	66.18	3.58	\$5,148.65	\$75.72	6598	97	5	0	28
Georgia	2	1378	151	0	0	0.00	10.96	\$6,659.00	\$44.10	7600	50	0	0	1096
Highgate/Franklin	2	1554	40	0	20	50.00	2.57	\$2,150.00	\$53.75	1600	40	0	0	0
Randolph, Braintree & Brookfield	2	1798	232	1	0	0.00	12.90	\$16,683.85	\$71.60	17397	75	9	0	360
Swanton	2	2236	90	0	20	22.22	4.03	\$3,531.65	\$39.24	5600	62	0	0	0
St. Johnsbury	1	3618	191	21	85	44.50	5.28	\$15,778.00	\$74.42	19968	105	1	0	1200
Town of St. Albans	2	5570	376	0	0	0.00	6.75	\$9,500.00	\$25.27	9200	24	40	0	0
TOTALS	608	234417	16343	542	1688	26.62	5.51	\$564,595.04	\$58.05	918749.63	67	1674.75	161.35	248218

¹ Includes Underhill

² Includes Upper Valley Lake Sunapee, Corinth, Fairlee, Hartford and some NH participants

³ Includes the town of Winhall

⁴ Includes the towns of North Hero and Grand Isle

⁵ Includes the following towns; Albany, Barton, Brownington, Charleston, Coventry, Glover, Greensboro, Irasburg, Jay, Lowell, Newport Town, Newport City, Sutton, Troy, and Westfield.

SUMMARY

The following 2001 HHW/CEG Hazardous Waste Collection Data was tabulated from Solid Waste Districts, Alliances and Municipalities representing 96% of Vermont Households. These statewide collections cost approximately \$565,000, served approximately 16,300 participants and collected approximately 459 tons of Hazardous waste, 161 pounds of mercury, 1675 pounds of mercury-added products/debris and 248,000 linear feet of fluorescent lamps. In comparison, 2000 saw 96% of Vermont Households represented, cost approximately \$597,000, served approximately 15,600 participants and collected approximately 485 tons of Hazardous Waste, 25 pounds of mercury, 972 pounds of mercury-added products/debris and 141,000 linear feet of fluorescent lamps. From the two collection years, 2000 and 2001, several conclusions can be drawn and are as follows:

1. Average statewide cost per participant in 2001 was approximately \$58.05. This is a noticeable decrease from 2000 when the average cost per participant was \$76.47. In 2001, the total cost for statewide collections was \$32,000 less than 2000 (\$565,000 vs \$597,000). 2001 also saw a decrease in hazardous waste collected (459 tons vs 485 tons). As has been noted in past surveys, the larger fixed year-round hazardous waste facilities tend to have the lowest cost per participant (\$17-\$27) verses seasonal or single day collection events (\$32-\$116).
2. 2001 Statewide participation, when compared to 2000, saw an increase in both the total number of participants (16,300 vs 15,600) and the average statewide participation (5.51% vs 4.71%). Participants for 2001 included 542 businesses and 1688 repeat participants (repeat participants accounted for an average of 27% of the total 2001 participants). Fixed facilities, seasonal collections and some single-day collection events had higher than the state average participation rates (6.75%- 16.10%). There are several possible reasons for this higher participation rates that include; well established, advertised and received programs; increased awareness to household hazardous waste and increased availability of household hazardous waste collection events.
3. 2001 saw a slight increase in waste collected per participant when compared with 2000 (67 pounds vs 62 pounds). Larger established programs (which have longer collection seasons) tend to have a lower waste generation per participant than single day collection events. Increased education and collection opportunities may be some of the reasons for increased hazardous waste collection.
4. 2001 saw a noticeable increase in the number of collection events available statewide when compared to 2000 (608 vs 445), while the number of households that had access to collection events in 2001 increased slightly (234,417 vs 234,050).
5. Approximately 161 pounds of elemental mercury, 1674 pounds of mercury-added products/debris and 248,000 linear feet of fluorescent lamps was collected in 2001. This is a dramatic increase from 2000 when approximately 25 pounds of mercury, 972 pounds of mercury-added products/debris and 141,000 linear feet of fluorescent lamps was collected. This can be explained by the increased mercury education and awareness programs implemented by many solid waste districts, municipalities and alliances, as well as the state sponsored mercury education and awareness campaign.

Household estimates were derived from the Vermont Department of Health publication: *Population & Housing Estimates Vermont 1999*.

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 Waste surveys completed by various Solid Waste Districts, Alliances and Municipalities throughout the State Of Vermont. 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 Tombe@dec.anr.state.vt.us.