

VERMONT SOLID WASTE GENERATION - SUMMARY 2010

MATERIALS	(TONS)
<b>MUNICIPAL SOLID WASTE (MSW)</b>	
MSW Materials Diverted (Table 2)	205,156
MSW Materials Disposed (Table 3 or 4)	381,971
<b>TOTAL MSW:</b>	<b>587,127</b>
<b>CONSTRUCTION &amp; DEMOLITION WASTE (C&amp;D) &amp; WOOD</b>	
C&D/Wood Used in Landfills - VT Waste (Table 4B)	3,807
C&D/Wood Used in Landfills - Waste From Other States (Table 4B)	9,173
C&D Disposed - VT Waste (Tables 4 & 4A)	86,913
C&D Disposed - Waste From Other States (Tables 4 & 4A)	19,872
Wood Burnt (Table 2 worksheet & Table 3)	76
C&D Unaccounted - Diverted or Disposed (Estimated) <sup>1</sup>	82,158
<b>TOTAL C&amp;D/WOOD:</b>	<b>192,750</b>
<b>OTHER SOLID WASTE (Does Not include Biosolids)</b>	
Other Diverted	-
Other Used in Landfills - VT Waste (Table 4B)	25,443
Other Used in VT Landfills - Waste From Other States (Table 4B)	12,304
Other Disposed - VT Waste (Tables 4 & 4A, see below for biosolids)	12,012
Other Disposed - Waste From Other States (Table 4A)	40,306
<b>TOTAL OTHER:</b>	<b>90,065</b>
<b>HHW, CEG &amp; ELECTRONICS COLLECTION BY DISTRICTS &amp; TOWNS (Table 7)</b>	
HHW Diverted	407
CEG Diverted	82
Electronics	815
<b>TOTAL HHW &amp; CEG:</b>	<b>1,304</b>
<b>Biosolids</b>	
Beneficial Reuse (Table 6)	16,770
Used in Landfills - VT Biosolids (Table 4B)	-
Used in Vermont Landfills - Biosolids From Other States (Table 4B)	-
Landfilled, Incinerated - Vermont Biosolids (Tables 4A & 6)	24,840
Disposed in VT Landfills - Biosolids From Other States (Table 4A)	20,125
<b>TOTAL BIOSOLIDS:</b>	<b>61,735</b>
<b>TOTAL SOLID WASTE GENERATED (tons) :</b>	
	<b>932,981</b>

<sup>1</sup> Difference between C&D tonnages reported and estimated C&D Waste Generation rate of 192,750 tons (1.7# per person per day). Source: 2007 Massachusetts Construction and Demolition Debris industry Study DSM Environmental Services May 16, 2008.

**TABLE 1**  
**GENERATION , DIVERSION AND DISPOSAL**  
**VERMONT MUNICIPAL SOLID WASTE**

	1987 <sup>[2]</sup>	1994 <sup>[2]</sup>	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Generation	350,000	474,800	570,750	563,564	576,797	597,811	612,279	604,442	644,327	614,519	606,276	648,347	627,811	600,872	587,127
Diversion	42,000	164,830	195,930	199,301	189,401	182,562	184,149	186,407	189,047	183,289	192,003	206,648	207,854	213,626	205,156
Disposal	308,000	309,970	374,820	364,263	387,396	415,249	428,130	418,035	455,281	431,230	414,273	441,699	419,957	387,246	381,971
Population <sup>[3]</sup>	535,000	583,836	600,416	604,683	609,909	612,225	615,250	617,101	618,794	619,736	620,778	621,254	621,270	621,750	625,741
Per Capita MSW Generation (Tons/Year)	0.65	0.81	0.95	0.93	0.95	0.98	1.00	0.98	1.04	0.99	0.98	1.04	1.01	0.97	0.94
(Pounds/Day)	3.58	4.46	5.21	5.11	5.18	5.35	5.45	5.37	5.71	5.43	5.35	5.72	5.54	5.32	5.14
Per Capita MSW Diversion (Tons/Year)	0.08	0.28	0.33	0.33	0.31	0.30	0.30	0.30	0.31	0.30	0.31	0.33	0.33	0.34	0.33
(Pounds/Day)	0.43	1.55	1.79	1.81	1.70	1.63	1.64	1.66	1.67	1.62	1.69	1.82	1.83	1.92	1.80
Per Capita MSW Disposal (Tons/Year)	0.58	0.53	0.62	0.60	0.64	0.68	0.70	0.68	0.74	0.67	0.67	0.71	0.68	0.62	0.61
(Pounds/Day)	3.15	2.91	3.42	3.30	3.48	3.72	3.81	3.71	4.03	3.66	3.66	3.90	3.70	3.40	3.34

% of MSW Waste Generation															
	1987	1994	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Generation	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Diversion	12%	34.7%	34.3%	35.4%	32.8%	30.5%	30%	31%	29%	30%	32%	32%	33%	36%	35%
Disposal	88%	65.3%	65.7%	64.6%	67.2%	69.5%	70%	69%	71%	70%	68%	68%	67%	64%	65%

**NOTES:**

<sup>[2]</sup> Table 1.1, 2001 State of Vermont Revised Solid Waste Management Plan

<sup>[3]</sup> <http://2010.census.gov/2010census/>

**TABLE 2**  
**SOLID WASTE DIVERSION - 2010**  
**2010 - ESTIMATED BY MATERIAL TYPE & DIVERSION ACTIVITY**

MATERIAL	SOURCE OF MATERIAL						TOTAL (Tons)
	Recycling Facilities <sup>(3)</sup>	Soft Drink and Beer Distributors <sup>(1)(2)</sup> (Broker Direct)	Economic Recycling <sup>(4)</sup> (Direct to Market)	Scrap Metal Facilities	Organics Composting	Reuse Facilities & Programs <sup>(4)</sup>	
SINGLE STREAM	3,194 <sup>(5)</sup>						3,194.00
FIBERS	60,790	386	33,495			137	94,808
CONTAINERS	14,112	17,500	117			19	31,748
SCRAP METAL			251	34,830		159	35,240
ORGANIC WASTES					34,148		34,148
MISCELLANEOUS	3,835		14			2,167	6,016
<b>Total:</b>	<b>81,932</b>	<b>17,886</b>	<b>33,877</b>	<b>34,830</b>	<b>34,148</b>	<b>2,482</b>	<b>205,155</b>

2010 MSW DISPOSED (tons): 381,971

2010 MSW DIVERSION RATE: 35%

<sup>(1)</sup> Total includes 13375 tons of deposit return containers processed by Vermont recycling facilities.

<sup>(2)</sup> Data for containers from report titled *Analysis of Vermont's Bottle Bill: Costs, Impacts and Expansion*, Northbridge Environmental Management Consultants, December 2006. Data for fibers from report titled *Vermont's Municipal Solid Waste Diversion Rate 2001*, DSM Environmental Services, September 2002

<sup>(3)</sup> Included in "Scrap Metal Facilities" totals.

<sup>(4)</sup> Data from report prepared for the Vermont Department of Environmental Conservation titled *Vermont's Municipal Solid Waste Diversion Rate 2001*, DSM Environmental Services, September 2002

<sup>(5)</sup> Single stream material that left the Vermont solid waste system; destination was the FCR MRF in Auburn, MA

2010 Table 2 Worksheet using 2010 Quarters data - grouped by containers, fibers and other (tons)

Material Code	Material	MRF Total	TS Direct to Market	Total MRF VT+ TS Direct	Subtract materials from other states into VT MRF system	materials diverted to bottle bill	Total diverted 2010
AC	Aluminum Cans						
CN	Cans	1,333	219		1	84	1,468
CT	Containers, co-mingled	1,491	57		297	7	1,245
GL	Glass	9,127	377			1,506	7,998
HD	HDPE (#2)	962	124				1,085
PE	PETE (#1)	980	94			33	1,041
PO	Other plastics	674	601				1,275
PM	Mixed #1 & #2						
RE	Redemption Bags						
TC	Tin Cans						
	TOTAL:	14,568	1,472		298	1,629	14,112
Material Code	Material	MRF Total	TS Direct to Market	Total MRF VT+ TS Direct	Subtract materials from other states into VT MRF system		Total diverted 2010
BK	Books	33	141				173
BX	Boxboard/Paperboard		20				20
CC	Corrugated Cardboard	25,357	6,682		283		31,756
FC	Fibers, co-mingled	161	110		161		110
MA	Magazines		71				71
NP	Newspapers	18,234	3,487		98		21,623
OP	Mixed Paper	4,987	2,075		153		6,909
PA	Paper Co-mingled						

WP	White Office Paper	128					128
	TOTAL:	48,900	12,587		696		60,790
Material Code	Material	MRF Total	TS Direct to Market	Total MRF VT+ TS Direct	Subtract materials from other states into VT MRF system		Total diverted 2010
1S	Contain.&Fibers	631.01*	2,817.96*		254.19*		3,194
		* Single stream materials sent to an out-of-state MRF					
Material Code	Material	MRF Total	TS Direct to Market	Total MRF VT+ TS Direct	Subtract materials from other states into VT MRF system		Total diverted 2010
AB	Automobile Batteries	31	84				115
AF	Antifreeze	1	9				10
BA	Batteries		5				5
BL	Ballast						
EL	Electronics	135	606		2		739
EX	Waste Exchange / Reuse		32				32
FL	Florescent Bulbs	9	41				50
HG	Mercury Products-not f.bulbs		0				0
LY	Leaf and Yard		9				9
OR	Other Recyclables						
OT	Other Waste						
PB	PCB Devices		1				1
PP	Propane Tanks	5	14				19
PT	Paint		92				92



From Table 1a							
UO	Use Oil Burnt						
TI	Tires - Burnt/disposed						
<b>010 Organics Composting:</b>							
Included in MSW Diversion:							
<b>Material Code</b>	<b>Material</b>		<b>Total</b>				
CF	Food Waste		3,162				
CP	Paper		4				
WG	Wood waste		745				
LY	Yard Waste		4,921				
OC,OT,PA	Other compostable materials		526				
	Total Categorical and Full		<b>9,357</b>				
	Backyard Composting (Estimate):		23,925				
	Exempt (2005 estimate):		866				
	Included in MSW Diversion:		<b>34,148</b>				
Composting Not included in MSW diversion - Industry							
<b>Material Code</b>	<b>Material</b>		<b>Total</b>				
CI	Ice Cream waste		4				
CW,CS	Liquid Food Waste						
DA	Dead animal remains		244				
MN	Manure		6,154				
Total:			<b>6,402</b>				

**TABLE 3****Vermont Solid Waste - 2010  
Disposal & Incineration**

DESTINATION	TYPE OF WASTE					Waste Used in Landfill <sup>[2]</sup>
	MSW (Tons)	C&D/Wood (Tons)	Other <sup>[1]</sup> (Tons)	Total (Tons)	% Disposed	
<b>In-State</b>						
<b>Landfill</b>	324,158	66,988	36,852	427,999	84.58%	29,250
<b>Incineration <sup>[3]</sup></b>		76		76	0.02%	
<b>Subtotal:</b>	324,158	67,065	36,852	428,075	84.59%	
<b>Out-of-State</b>						
<b>Landfill</b>	23,791	4,269	296	28,355	5.60%	
<b>Incineration</b>	30,680	2,978		33,658	6.65%	
<b>Transfer Stations</b>	3,343	12,602		15,944		
<b>Subtotal:</b>	57,813	19,849	296	77,958	15.41%	
<b>Total (tons):</b>	381,971	86,913	37,148	506,032	100%	29,250

**NOTES:**

<sup>[1]</sup> Refer to Table 4A for specific wastes disposed in Vermont landfills including some wastes from other states.

<sup>[2]</sup> Refer to Table 4B for specific wastes used in landfills including some wastes from other states.

<sup>[3]</sup> On site clean wood burn at transfer stations.

**TABLE 4 DESTINATIONS FOR VERMONT SOLID WASTE - 2010 DISPOSAL & INCINERATION**

State	Facility	MSW (Tons)	C&D & Wood (Tons)	OTHER (Tons) <sup>(1)</sup>	Total (Tons)	Waste Used In Landfill <sup>(2)</sup>
VT	Waste USA Landfill	214,739	50,418 <sup>†</sup>	26,241	291,398	15,399
	WSI Landfill	108,873	11,287	9,726	129,885	13,806
	1 - 1000 Ton Landfill (AD080)	410			410	
	2 - 1000 Ton Landfill (AD720)	136	187	6	329	45
	Burgess C&D Landfill		2,833		2,833	
	On-site Disposal - Transfer Stations & Cat.Cert Sites		2263*	880	3,143	
	On-site Burning, clean wood - Transfer Stations		76		76	
	<b>Total Vermont (tons):</b>	<b>324,158</b>	<b>67,065</b>	<b>36,852</b>	<b>428,075</b>	<b>29,250</b>
MA	Eco/Pittsfield Incinerator	2,170			2,170	
	Allied Waste Transfer Station	161			161	
	<b>Total Massachusetts (tons):</b>	<b>2,331</b>			<b>2,331</b>	<b>0</b>
NH	Gobin Disposal Systems/Casella Transfer Station	2,416	5,003		7,419	
	Lebanon Landfill	13,961		296	14,256	
	Mt. Carbury Landfill	993	836		1,830	
	North Country Environmental Services (NCES) Landfill	5,560	1,573		7,133	
	Wheelabrator Incinerator	17,626			17,626	
	Labombard Transfer Station		3,665		3,665	
	Witcher Transfer Station	765	371		1,137	
	Rochester Landfill		53		53	
<b>Total New Hampshire (tons):</b>	<b>41,322</b>	<b>11,501</b>	<b>296</b>	<b>53,119</b>	<b>0</b>	
NY	Clinton County Landfill	3,220	111		3,331	
	Fort Edward C&D Landfill		1,696		1,696	
	Hudson Falls (Adirondak Resources) Incinerator	10,884	2,978		13,862	
	Seneca Meadows Landfill	56			56	
	Fort Ann Transfer Station		3,563		3,563	
	<b>Total New York (tons):</b>	<b>14,161</b>	<b>8,347</b>		<b>22,508</b>	<b>0</b>
<b>Total Out-Of-State (tons):</b>	<b>57,813</b>	<b>19,849</b>	<b>296</b>	<b>77,958</b>	<b>0</b>	
<b>Total In-State &amp; Out-Of-State (tons):</b>		<b>381,971</b>	<b>86,913</b>	<b>37,148</b>	<b>506,032</b>	<b>29,250</b>

(1) Refer to Table 4A for specific wastes disposed in Vermont landfills.

(2) Refer to Table 4B for specific wastes used in landfills.

† This tonnage is an estimate because C&D was included in MSW tonnage; based on C&D percentage of MSW of prior years.

\* Does not include 6737 tons of inert material disposed of in the Cochran Road Pit operated by Dale E. Percy, Inc.



**TABLE 4B**  
**Waste Used in Landfills (Tons) - 2010**  
**(Detailing Column H from Table 4)**

	Waste USA Landfill - VT Waste	Waste USA Landfill - Waste From Other states	WSI - VT Waste	WSI Landfill - Waste From Other states	Salisbury Landfill - VT Waste	Salisbury Landfill - Waste From Other states	Hartford TS - VT C&D to Lebanon LF	Hubbard & Castleton TSs - VT C&D to NY Landfill(s)	Burgess	TOTAL TONS
Biosolids										
C&D	2,933	2,114		3,687						8,734
Contaminated Soils	9,232	11,982	8,297							29,511
Foundary Sand			2,728							2,728
Paper Sludge	246		1,593							1,838
Ground Wood Waste	872		2	3,372						4,247
Other Wastes	2,116	322	1,186		45					3,670
<b>TOTAL TONS:</b>	<b>15,399</b>	<b>14,419</b>	<b>13,806</b>	<b>7,059</b>	<b>45</b>					<b>50,727</b>

**TABLE 5**  
**Operating & Permitted Solid Waste Disposal Capacity in Vermont <sup>[3]</sup>**

Solid Waste Landfills	Remaining Capacity For Waste (tons)	Capacity Estimate Based on	Maximum Permitted Fill Rate 2010		Permit Year
			(tons/day)	(tons/year)	
Waste USA Landfill, <sup>[1]</sup> Phase I, II, III & IV-1, IV-2A	400,000	Ground Survey	2,500	370,000	4/1 - 3/31
NEWS Landfill, <sup>[1]</sup> Phase IV- 2B, IV-3A&B, IV-4A&B	4,500,000	Not Constructed Yet			
WSI Landfill <sup>[2]</sup> Cell 3A & 3B	100,000	Survey	1,000	286,000	1/1 - 12/31
Burgess C&D Landfill	0	Estimate 1/2007	100	8,000	10/1 - 9/30
<b>Totals</b>	<b>6,567,520</b>			<b>664,000</b>	

<b>Maintains ANR Solid Waste Certification:</b>					
Greater Upper Valley Solid Waste District Hartland - Phase 1 North	250,000		200	50,000	Not planning to construct in near Future
Northwest Solid Waste District - Sheldon - Cell 1	130,000		125	20,000	Not planning to construct in near Future

<b>Designing New Landfill and preparing application for submittal to ANR:          Chittenden Solid Waste District – Williston</b>
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Solid waste disposed in VT landfills and landfills and waste to energy facilities in other states (2007): 563,698 Tons

<sup>[1]</sup> Waste USA Landfill. Coventry, Vermont. Also called NEWS (New England Waste Services) Landfill or Coventry Landfill.

<sup>[2]</sup> Moretown Landfill. Moretown, Vermont. Previously called WSI Landfill.

<sup>[3]</sup> Does not include the two 1000 TPY unlined landfills operating in Bristol Town and Salisbury and a C&D landfill in Bennington .

**TABLE 6**

**2010 Estimated Quantities of Biosolids Managed In and Out of State**  
 (As reported to RMS<sup>1</sup> from Vermont facility generators)

Amounts are in wet tons at 15% solids<sup>2</sup>

Management Option	In-State (wet tons)	Out-of-State (wet tons)	Total (wet tons)	Percent of Total	Percent Managed
<b>Beneficial Uses:</b>					
Land Application	8,379	0	8,379	14.8%	
EQ Biosolids	7,077	1,314	8,391	14.8%	
<b>Subtotal</b>	<b>15,456</b>	<b>1,314</b>	<b>16,770</b>		<b>29.6%</b>
<b>Non-Beneficial</b>					
Landfill	38,117	313	38,430	67.9%	
Incineration <sup>3</sup>	0	1,385	1,385	2.4%	
<b>Subtotal</b>	<b>38,117</b>	<b>1,698</b>	<b>39,815</b>		<b>70.4%</b>
<b>Total:</b>	<b>53,573</b>	<b>3,012</b>	<b>56,585</b>	<b>100%</b>	<b>100%</b>
<b>Percent of Total In &amp; Out of State</b>	<b>94.7%</b>	<b>5.3%</b>			

<sup>1</sup>RMS - Residuals Management Section. Wastewater Management Division. (802) 241-3822.

<sup>2</sup>All amounts of biosolids reported to DEC are converted to dry tons. Then the dry tons are converted to wet weight assuming 15% solids, which is generally the percent solids that can qualify to be landfilled. To convert wet tons to dry tons, multiply wet tons X 0.15.

<sup>3</sup>Please note that nearly all biosolids sent to incinerators are in liquid form and the actual weight is greater than that in this table.

**2010 Actual Quantities of Septage Managed In and Out of State<sup>4</sup>**  
 (As reported to RMS<sup>1</sup> by All Septage Haulers Operating in Vermont)

Amounts are in gallons

Management Option	In-State (gallons)	Out-of-State (gallons)	Total (gallons)	Percent of Total	Percent Managed
<b>Beneficial Uses:</b>					
Land Application <sup>5</sup>	12,473,242	210,350	12,683,592	30.5%	
EQ Biosolids <sup>6</sup>	3,757,460	1,055,017	4,812,477	11.6%	
<b>Subtotal</b>	<b>16,230,702</b>	<b>1,265,367</b>	<b>17,496,069</b>		<b>42.0%</b>
<b>Non-Beneficial Uses:</b>					
Landfill <sup>7</sup>	0	0	0	0.0%	
Incineration	0	2,443,493	2,443,493	5.9%	
WWTF	19,465,067	2,241,435	21,706,502	52.1%	
<b>Subtotal</b>	<b>19,465,067</b>	<b>4,684,928</b>	<b>24,149,995</b>		<b>58.0%</b>
<b>Total:</b>	<b>35,695,769</b>	<b>5,950,295</b>	<b>41,646,064</b>	<b>100%</b>	<b>100%</b>
<b>Percent of Total In &amp; Out of State</b>	<b>85.7%</b>	<b>14.3%</b>			

<sup>4</sup>Includes all septage generated in Vermont regardless of where disposed, and all septage disposed in Vermont regardless of where generated. It is estimate that <1% of the total volume is generated out-of-state and disposed in Vermont.

<sup>5</sup>Includes septage that is directly land applied or which is disposed at a WWTF that manages biosolids via land application.

<sup>6</sup>Includes septage that is directly treated in an EQ process or disposed at a WWTF that produces EQ biosolids.

<sup>7</sup> Includes solids from dewatered septage that are disposed at a landfill.

# SUMMARY OF 2010 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)	POUNDS OF ELECTRONICS
1 Addison County SWMD	208	12706	1156	89	1010	87.37	9.80	\$78,514.64	\$67.92	45861	10439	40	117	55	5	35285	211346
2 Bennington CRC <sup>1</sup>	2	6575	180	2	240	133.33	2.77	\$27,428.00	\$152.38	9224	48	51	24	813	0	10578	nr
3 Central Vermont SWMD <sup>2</sup>	5	27751	620	19	347	55.97	2.30	\$114,437.00	\$184.58	60743	1808	98	140	120	0	4266	30887
4 Chittenden SWMD	272	62358	9384	659	0	0.00	16.11	\$516,613.00	\$55.05	440363	127549	47	194	659	0	287	570000
5 Greater UVSWMD(GUV) <sup>3</sup>	2	14955	366	8	181	49.45	2.50	\$37,022.00	\$101.15	2430	250	7	31	20	0	21483	61000
6 Lamolle RSWMD	3	12780	389	20	231	59.38	3.20	\$23,467.00	\$60.33	20680	6560	53	328	38	0	26376	125140
7 Londonderry Group	2	1889	96	1	57	59.38	5.13	\$9,675.00	\$100.78	7472	400	78	400	0	0	0	0
8 Mad River RMA	2	8111	330	24	253	76.67	4.36	\$27,000.00	\$81.82	7950	975	24	41	<1	0	3416	0
9 NE Kingdom SWMD	106	23088	2482	4	181	7.29	10.77	\$53,668.00	\$21.62	48800	400	20	100	0.5	0	36746	73374
10 Northwest SWMD	13	13758	1090	5	228	20.92	7.96	\$61,832.37	\$56.73	22165	1280	20	256	0	0	8478	42912
11 Rutland County SWMD	271	22500	795	77	0	0.00	3.88	\$199,438.00	\$250.87	48944	4800	62	62	3491	9	56640	182777
12 Solid Waste Alliance Committee	8	6546	202	11	nr	0.00	3.25	\$21,040.00	\$104.16	8800	1260	44	0	0	0	2134	12700
13 S. Wind/Windham SWMD	5	20104	448	9	210	46.88	2.27	\$38,639.00	\$86.25	36830	1262	82	140	285	0	28000	122500
14 Tri-town Agreement	2	3074	363	3	243	66.94	11.91	\$27,088.00	\$74.62	4848	110	13	37	nr	0	1500	15874
15 White River Alliance	2	4769	279	0	0	0.00	5.85	\$12,445.00	\$44.61	8000	0	29	0	0	0	52	nr
16 Windham SWMD	316	19468	839	7	87	10.37	4.35	\$23,991.00	\$28.59	29040	2048	35	293	0	0	3794	141900
17 Waste USA (NEK) <sup>4</sup>	2	5760	289	7	181	62.63	5.14	\$33,623.76	\$116.35	14365	1000	50	143	0	0	5522	14333
18 Bennington/Woodford	2	6908	327	8	240	73.39	4.85	\$26,224.00	\$80.20	14285	2000	44	250	nr	15	5932	nr
19 Bristol	2	1546	240	0	200	83.33	15.52	\$7,338.00	\$30.58	2475	nr	10	0	nr	nr	nr	6207
21 Canaan	2	181	18	0	0	0.00	9.94	\$1,104.00	\$61.33	400	0	22	0	0	0	287	0
22 Fairfax	2	1249	188	0	0	0.00	15.05	\$8,630.50	\$45.91	14480	0	77	0	9	0	0	6865
23 Franklin/Highgate	2	2111	94	0	0	0.00	4.45	\$3,310.00	\$35.21	2253	0	24	0	0	0	836	nr
24 Salisbury	2	628	43	0	39	90.70	6.85	\$8,253.00	\$191.93	2310	0	54	0	0	0	0	1603
25 St. Albans Town	2	2257	234	0	198	84.62	10.37	\$11,251.00	\$48.08	2800	0	12	0	0	0	0	463
26 St. Johnsbury	2	3482	188	27	157	83.51	6.17	\$13,514.00	\$71.88	3325	100	18	4	400	9	7350	5949
27 Shaftsbury <sup>5</sup>	2	3524	85	0	15	17.65	2.41	\$11,091.00	\$130.48	7608	0	90	0	0	2	8000	0
28 Swanton	2	2689	135	0	88	65.19	5.02	\$6,584.79	\$48.78	4920	0	36	0	30.25	0	1180	0
<b>TOTALS</b>	<b>1241</b>	<b>290767</b>	<b>20860</b>	<b>980</b>	<b>4386</b>	<b>21.03</b>	<b>7.51</b>	<b>\$1,403,000.00</b>	<b>\$67.26</b>	<b>871371</b>	<b>162289</b>	<b>42</b>	<b>166</b>	<b>5920.75</b>	<b>40</b>	<b>268142</b>	<b>1625830</b>

<sup>1</sup> Includes the towns of Arlington, Dorset, Manchester, Rupert, Sandgate, and Sunderland.  
<sup>2</sup> Includes Towns of Corinth, Fairlee and Newbury wastes.  
<sup>3</sup> Includes the Town of Hartford.  
<sup>4</sup> Includes the towns of Barton, Burke, Coventry, Glover, Lowell, and Newport City.  
<sup>5</sup> Includes the towns of Pownal and Stamford.

## SUMMARY

The following 2010 HHW/CEG Hazardous Waste Collection Data was tabulated from Solid Waste Districts, Alliances and Municipalities representing 99% of Vermont households. These statewide collections cost approximately \$1,380,000.00, served approximately 24,000 participants and collected approximately 364 tons of Household Hazardous waste, 71 tons of Conditionally Exempt Generator Waste, 33 pounds of mercury, 1782 pounds of mercury-added products/debris, 582,000 linear feet of fluorescent lamps and approximately 1,692,000 pounds of discarded electronics. In comparison, 2007 saw 96% of Vermont Households represented, cost approximately \$1,300,000, served approximately 19,000 participants and collected approximately 369 tons of Household Hazardous Waste, 74 tons of Conditionally Exempt Generator Waste, 31 pounds of mercury, 1173 pounds of mercury-added products/debris, 639,000 linear feet of fluorescent lamps and approximately 1,441,000 pounds of discarded electronics. The following is a comparison of the 2008 and 2007 collection years.

1. Average statewide cost per participant in 2010 was approximately \$67.00. This is a slight increase from 2009 when the average cost per participant was \$64.00. The total cost for statewide collections in 2010 was approximately \$24,000 higher than 2009. (\$1,403,000 vs. \$1,379,000). 2010 when compared to 2009 saw an increase in the household hazardous waste collected (483 tons vs. 436 tons).
2. 2010 Statewide participation saw a slight decrease in the total number of participants in comparison to 2009 (20,860 vs. 21,475), and a decrease in the average statewide participation (7.51 vs. 7.76%). Of the participants for 2010, 980 were businesses.
3. The amount of waste collected in 2010 per participant decreased when compared with 2009 (42 vs. 45 pounds).
4. The number of collection events available statewide was equivalent in 2010 compared to 2009 (1241 vs. 1248).

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 Christopher 'Topher' Kay at (802) 241-4221 or e-mail at christopher.kay@state.vt.us.