

VERMONT SOLID WASTE GENERATION - SUMMARY 2009

<b>MATERIALS</b>	(TONS)
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<b>MUNICIPAL SOLID WASTE (MSW)</b>	
MSW Materials Diverted (Table 2)	213,626
MSW Materials Disposed (Table 3 or 4)	387,246
<b>TOTAL MSW:</b>	<b>600,872</b>

<b>CONSTRUCTION &amp; DEMOLITION WASTE (C&amp;D) &amp; WOOD</b>	
C&D/Wood Used in Landfills - VT Waste (Table 4B)	5,448
C&D/Wood Used in Landfills - Waste From Other States (Table 4B)	-
C&D Disposed - VT Waste (Tables 4 & 4A)	87,854
C&D Disposed - Waste From Other States (Tables 4 & 4A)	4,872
Wood Burnt (Table 2 worksheet & Table 3)	11
C&D Unaccounted - Diverted or Disposed (Estimated) <sup>1</sup>	94,565
<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)	18,102
Other Used in VT Landfills - Waste From Other States (Table 4B)	12,951
Other Disposed - VT Waste (Tables 4 & 4A, see below for biosolids)	6,268
Other Disposed - Waste From Other States (Table 4A)	12,989
<b>TOTAL OTHER:</b>	<b>50,310</b>

<b>HHW, CEG &amp; ELECTRONICS COLLECTION BY DISTRICTS &amp; TOWNS (Table 7)</b>	
HHW Diverted	483
CEG Diverted	83
Electronics	877
<b>TOTAL HHW &amp; CEG:</b>	<b>1,443</b>

<b>Biosolids</b>	
Beneficial Reuse (Table 6)	13,566
Used in Landfills - VT Biosolids (Table 4B)	-
Used in Vermont Landfills - Biosolids From Other States (Table 4B)	-
Landfilled, Incinerated - Vermont Biosolids (Tables 4A & 6)	29,354
Disposed in VT Landfills - Biosolids From Other States (Table 4A)	8,053
<b>TOTAL BIOSOLIDS:</b>	<b>50,973</b>

**TOTAL SOLID WASTE GENERATED (tons) : 896,348**

<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
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
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
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
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
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
(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
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
(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
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
(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

% of MSW Waste Generation														
	1987	1994	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Generation	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%
Disposal	88%	65.3%	65.7%	64.6%	67.2%	69.5%	70%	69%	71%	70%	68%	68%	67%	64%

NOTES:

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

<sup>[3]</sup> <http://www.census.gov/popest/states/>

**TABLE 2**  
**SOLID WASTE DIVERSION - 2009**  
**2009 - 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							
FIBERS	65,633.07	386.00	33,495.00			137.00	99,651.07
CONTAINERS	17,150.70	17,500.00	117.00			19.00	34,786.70
SCRAP METAL			251.00	34,830.00		159.00	35,240.00
ORGANIC WASTES					39,202.14		39,202.14
MISCELLANEOUS	2,564.82		14.00			2,167.00	4,745.82
<b>Total:</b>	<b>85,348.59</b>	<b>17,886.00</b>	<b>33,877.00</b>	<b>34,830.00</b>	<b>39,202.14</b>	<b>2,482.00</b>	<b>213,625.73</b>

2009 MSW DISPOSED (tons): 387,246

2009 MSW DIVERSION RATE: 36%

<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

2009 Table 2 Worksheet using 2009 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 2009
AC	Aluminum Cans						
CN	Cans	1,847.79	430.08		2.70		2,275.17
CT	Containers, co-mingled	1,626.05	369.90		401.78		1,594.17
GL	Glass	13,137.49	817.76			4,344.79	9,610.46
HD	HDPE (#2)	1,031.28	239.75				1,271.03
PE	PETE (#1)	1,093.94	165.63				1,259.57
PO	Other plastics	444.94	708.56		14.00		1,139.50
PM	Mixed #1 & #2		0.80				0.80
RE	Redemption Bags						
TC	Tin Cans						
	TOTAL:	19,181.49	2,732.48	21,913.97	418.48		<b>17,150.70</b>
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 2009
BK	Books	39.70	73.32				113.02
BX	Boxboard/Paperboard		73.11				73.11
CC	Corrugated Cardboard	24,467.48	8,374.88		630.13		32,212.23
FC	Fibers, co-mingled	2,114.29	1,035.67		150.35		2,999.61
MA	Magazines		157.62				157.62
NP	Newspapers	21,291.45	3,948.10		527.15		24,712.40
OP	Mixed Paper	541.20	4,846.48		27.00		5,360.68
PA	Paper Co-mingled		4.40				4.40

WP	White Office Paper						
	TOTAL:	48,454.12	18,513.58	66,967.70	1,334.63		<b>65,633.07</b>
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 2009
AB	Automobile Batteries	0.30	116.52				116.82
AF	Antifreeze	0.21	11.81				12.02
BA	Batteries		4.08				4.08
BL	Ballast		0.28				0.28
EL	Electronics	6.67	777.80		4.38		780.09
EX	Waste Exchange / Reuse	1.27	23.00				24.27
FL	Florescent Bulbs		41.98				41.98
HG	Mercury Products-not f.bulbs		0.07				0.07
LY	Leaf and Yard						0.00
OR	Other Recyclables						0.00
OT	Other Waste		35.11				35.11
PB	PCB Devices		1.40				1.40
PP	Propane Tanks		10.68				10.68
PT	Paint	4.46	78.18				82.64
TX	Textiles	5.16	65.80				70.96
UF	Used Oil Filters		9.89				9.89
UO	Used Motor Oil	1.94	60.90				62.84
WG	Wood, clean - ground						0.00



<b>009 Organics Composting:</b>							
Included in MSW Diversion:							
Material Code	Material		Total				
CF	Food Waste		3,425.13				
CP	Paper		266.07				
WG	Wood waste		1,594.75				
LY	Yard Waste		7,998.64				
OC,OT,PA	Other compostable materials		1,126.55				
	Total Categorical and Full		<b>14,411.14</b>				
	Backyard Composting (Estimate):		23,925.00				
	Exempt (2005 estimate):		<u>866.00</u>				
	Included in MSW Diversion:		<b>39,202.14</b>				
Composting Not included in MSW diversion - Industry							
Material Code	Material		Total				
CI	Ice Cream waste						
CW,CS	Liquid Food Waste						
DA	Dead animal remains		314.05				
MN	Manure		<u>1,312.44</u>				
Total:			<b>1,626.49</b>				

**TABLE 3****Vermont Solid Waste - 2009  
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>	<b>322,043</b>	<b>70,261</b>	<b>35,591</b>	<b>427,895</b>	<b>84.12%</b>	<b>16,599</b>
<b>Incineration</b>		<b>81</b>		<b>81</b>	<b>0.02%</b>	
<b>Subtotal:</b>	<b>322,043</b>	<b>70,342</b>	<b>35,591</b>	<b>427,976</b>	<b>84.13%</b>	
<b>Out-of-State</b>						
<b>Landfill</b>	<b>37,950</b>	<b>13,034</b>	<b>368</b>	<b>51,352</b>	<b>10.10%</b>	<b>4,939</b>
<b>Incineration</b>	<b>27,253</b>	<b>2,104</b>		<b>29,357</b>	<b>5.77%</b>	
<b>Subtotal:</b>	<b>65,203</b>	<b>15,138</b>	<b>368</b>	<b>80,709</b>	<b>15.87%</b>	
<b>Total (tons):</b>	<b>387,246</b>	<b>85,480</b>	<b>35,959</b>	<b>508,685</b>	<b>100%</b>	<b>21,538</b>

**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.



**TABLE 4 DESTINATIONS FOR VERMONT SOLID WASTE - 2009 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	215,734	56,406	27,350	299,490	8,822
	WSI Landfill	105,788	11,285	5,732	122,805	7,777
	1 - 1000 Ton Landfill (AD080)	385			385	
	2 - 1000 Ton Landfill (AD720)	136	815		951	
	Burgess C&D Landfill		1,755		1,755	
	On-site Disposal - Transfer Stations & Cat.Cert Sites		1683*	2,509	2,509	
	On-site Burning, clean wood - Transfer Stations		81		81	
	<b>Total Vermont (tons):</b>	<b>322,043</b>	<b>70,342</b>	<b>35,591</b>	<b>427,976</b>	<b>16,599</b>
MA	BFI	136			136	
	Eco/Pittsfield	1,825			1,825	
	South Hadley	4,663			4,663	
	<b>Total Massachusetts (tons):</b>	<b>6,624</b>	<b>-</b>	<b>-</b>	<b>6,624</b>	
NH	Gobin Disposal Systems/Casella	2,926	5,519		8,445	
	Lebanon Landfill	13,519	124	318	13,961	828
	Mt. Carbury Landfill	1,220	152	45	1,417	
	North Country Environmental Services (NCES)	4,934	1,717		6,651	
	Wheelabrator	17,486			17,486	
	Labombard Transfer Station	2,002	3,443		5,445	
					-	
	<b>Total New Hampshire (tons):</b>	<b>42,087</b>	<b>10,955</b>	<b>363</b>	<b>53,405</b>	<b>828</b>
NY	Clinton County Landfill	5,599	2,079	5	7,683	
	Fort Edward					4,111
	Hudson Falls (Adirondak Resources)	9767	2,104		11,871	
	Seneca Meadows Landfill	1,126			1,126	
					-	
					-	
					-	
<b>Total New York (tons):</b>	<b>16,492</b>	<b>4,183</b>	<b>5</b>	<b>20,680</b>	<b>4,111</b>	
<b>Total Out-Of-State (tons):</b>		<b>65,203</b>	<b>15,138</b>	<b>368</b>	<b>80,709</b>	<b>4,939</b>
<b>Total In-State &amp; Out-Of-State (tons):</b>		<b>387,246</b>	<b>85,480</b>	<b>35,959</b>	<b>508,685</b>	<b>21,538</b>

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

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

\* Does not include 25 cubic yards of Asphalt, Brick and Concrete landfilled at Brattleboro Salvage on Central Park Road

**TABLE 4A**  
**OTHER WASTES DISPOSED IN VERMONT LANDFILLS 2009**  
 (Detailing Column E from Table 4)

	Waste USA Landfill - VT Waste	Waste USA Landfill - Waste From Other states	WSI - VT Waste	WSI Landfill - Waste From Other states	Burgess Bros. Landfill	1000 Ton Landfills - Salisbury and Bristol	Transfer Stations & Cat Cert Disposal - On-site Disposal <sup>(1)</sup>	TOTAL TONS
Asbestos	752	78	372					1,202
Bulky Wastes								-
Biosolids	24,953	4,811	4,370	3,242				37,376
Contaminated Soils	131	9,361	851	3,053				13,396
Medical Waste	71							71
Paper Sludge								-
Other Wastes	1,443	497	139				2,509	4,588
								-
<b>TOTAL TONS:</b>	<b>27,350</b>	<b>14,747</b>	<b>5,732</b>	<b>6,295</b>	<b>-</b>	<b>-</b>	<b>2,509</b>	<b>55,431</b>

(1) does not include the following:

1400 cubic yards of granite landfilled at Rock of Ages in Barre, VT  
 64,654 tons of tailings landfilled at Omya

**TABLE 4B**  
**Waste Used in Landfills (Tons) - 2009**  
**(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	118						828	4,111		5,057
Contaminated Soils	5,875	10,917	3,142							19,934
Foundary Sand			2,086							2,086
Paper Sludge	785		1,586	531						2,902
Ground Wood Waste	385		6							391
Other Wastes	1,659		957							2,616
										-
<b>TOTAL TONS:</b>	<b>8,822</b>	<b>10,917</b>	<b>7,777</b>	<b>531</b>	<b>-</b>	<b>-</b>	<b>828</b>	<b>4,111</b>		<b>32,986</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 2009		Permit Year
			(tons/day)	(tons/year)	
Waste USA Landfill, <sup>[1]</sup> Phase I, II, III & IV-1, IV-2A	450,000	Ground Survey	2,500	370,000	4/1-3/31
NEWS Landfill, <sup>[1]</sup> Phase IV- 2B, IV-3A&B, IV-4A&B	5,000,000	Not Constructed Yet			
WSI Landfill <sup>[2]</sup> Cell 3A & 3B	492,520	Survey	1,000	286,000	1/1-12/31
Burgess C&D Landfill	52,670	Estimate 1/2007	100	8,000	10/1-9/30
<b>Totals</b>	<b>6,567,520</b>			<b>664,000</b>	

Maintains ANR Solid Waste Certification:					
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

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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**

2009 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	4,475	0	4,475	8.5%	25.8%
Composted	6,776	2,415	9,091	17.3%	
<b>Subtotal</b>	<b>11,251</b>	<b>2,415</b>	<b>13,566</b>		
<b>Non-Beneficial</b>					
Landfill	37,407	107	37,514	71.4%	74.2%
Incineration <sup>3</sup>	0	1,466	1,466	2.8%	
<b>Subtotal</b>	<b>37,407</b>	<b>1,573</b>	<b>38,980</b>		
<b>Total:</b>	<b>48,658</b>	<b>3,988</b>	<b>52,546</b>	<b>#</b>	<b>100%</b>
<b>Percent of Total In &amp; Out of</b>	<b>92.6%</b>	<b>7.6%</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.

2009 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	11,051,185	228,500	11,279,685	28.1%	39.2%
Composted <sup>6</sup>	3,170,450	1,286,134	4,456,584	11.1%	
<b>Subtotal</b>	<b>14,221,635</b>	<b>1,514,634</b>	<b>15,736,269</b>		
<b>Non-Beneficial Uses:</b>					
Landfill <sup>7</sup>	0	0	0	0.0%	60.8%
Incineration	0	2,968,979	2,968,979	7.4%	
WWTF	19,788,343	1,628,865	21,417,208	53.4%	
<b>Subtotal</b>	<b>19,788,343</b>	<b>4,597,844</b>	<b>24,386,187</b>		
<b>Total:</b>	<b>34,009,978</b>	<b>6,112,478</b>	<b>40,122,456</b>	<b>#</b>	
<b>Percent of Total In &amp; Out of</b>	<b>84.8%</b>	<b>15.2%</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 estimated that <1% of the total volume is generated out-of-state and disposed in Vermont.

<sup>5</sup> Includes septage disposed at a WWTF that manages biosolids via land application.

<sup>6</sup> Includes septage that is directly composted or disposed at a WWTF that composts biosolids.

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

# SUMMARY OF 2009 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	1211	106	600	49.55	10.37	\$40,625.42	\$33.55	60553	15837	50	149	55	0	36500	222837
2 Bennington CRC <sup>1</sup>	2	6575	412	3	238	57.77	6.31	\$31,224.35	\$75.79	11888	0	29	0	480	0	3167	33660
3 Central Vermont SWMD <sup>2</sup>	5	27751	623	12	383	61.48	2.29	\$80,294.00	\$128.88	55220	2544	89	140	140	0	6076	109800
4 Chittenden SWMD	290	62358	7857	672	0	0.00	13.68	\$564,433.00	\$71.84	184878	131248	24	195	368	0	44980	563132
5 Greater UVSWMD(GUV) <sup>3</sup>	2	14955	455	14	227	49.89	3.14	\$30,444.00	\$66.91	18000	100	40	7	12	0	18500	38000
6 Lamaille RSWMD	3	12780	378	15	223	58.99	3.08	\$24,817.00	\$65.65	28040	1600	74	107	0	0	24193	107280
7 Londonderry Group	2	1889	112	2	77	68.75	6.03	\$8,849.87	\$79.02	7720	920	69	460	28	0	154	0
8 Mad River Resource Mgmt. Alliance	2	8111	355	48	133	37.46	4.97	\$30,999.00	\$87.32	14200	2380	40	50	58	0	4108	26240
9 NE Kingdom SWMD	106	23088	474	6	189	39.87	2.08	\$45,375.73	\$95.73	22800	2000	48	333	1.54	0	33638	90960
10 Northwest SWMD	13	13758	358	5	155	43.30	2.64	\$39,271.90	\$109.70	27960	0	78	0	268	0	15288	58291
11 Rutland County SWMD	276	22500	772	132	0	0.00	4.02	\$204,364.88	\$264.72	184164	0	239	0	304	0	72024	183860
12 Solid Waste Alliance Committee	7	6546	145	39	0	0.00	2.81	\$14,750.36	\$101.73	9240	5	64	0	0	0	1810	49807
13 S. Wind/Windham SWMD	2	20104	463	5	176	38.01	2.33	\$31,464.11	\$67.96	32000	4000	69	800	0	0	0	0
14 Tri-town Agreement	2	3074	361	5	245	67.87	11.91	\$28,628.06	\$79.30	11040	160	31	32	0	0	4016	15295
15 White River Alliance	2	4769	280	0	0	0.00	5.87	\$12,933.85	\$46.19	9200	0	33	0	25	0	3592	34575
16 Windham SWMD	304	19468	5169	32	1295	25.05	26.72	\$49,149.50	\$9.51	54880	2880	11	90	100	0	11353	177120
17 Waste USA (NEK) <sup>4</sup>	2	5760	262	6	129	49.24	4.65	\$31,080.24	\$118.63	158608	1392	605	232	0	0	6504	16112
18 Bennington/Woodford	2	6908	387	21	259	66.93	5.91	\$26,337.00	\$68.05	16186	0	42	0	40	13.5	5799	3173
19 Bristol	3	1546	245	0	185	75.51	15.85	\$10,560.00	\$43.10	8320	800	34	0	10	0	0	7591
20 Burke <sup>5</sup>	1	892	68	0	24	35.29	7.62	\$3,787.31	\$55.70	1200	0	18	0	0	0	808	2400
21 Fairfax	2	1249	245	0	93	37.96	19.62	\$10,110.00	\$41.27	14480	0	59	0	9	0	6865	0
22 Franklin/Hiogate	2	2111	55	0	43	78.18	2.61	\$3,310.00	\$60.18	2000	0	36	0	0	0	160	0
23 Salisbury	2	628	43	0	39	90.70	6.85	\$8,253.00	\$191.93	2310	0	54	0	0	0	0	1603
24 St. Albans Town	2	2257	233	0	203	87.12	10.32	\$10,805.59	\$46.38	6080	0	26	0	0	0	420	1194
25 St. Johnsbury	2	3482	177	22	136	76.84	5.72	\$13,066.00	\$73.82	5600	0	32	0	0	0	2122	3514
26 Shaftsbury <sup>6</sup>	2	3524	200	0	0	0.00	5.68	\$17,346.97	\$86.73	14800	0	74	0	100	0	2580	0
27 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>1248</b>	<b>291478</b>	<b>21475</b>	<b>1145</b>	<b>5140</b>	<b>23.93</b>	<b>7.76</b>	<b>\$1,378,865.93</b>	<b>\$64.21</b>	<b>966287</b>	<b>165866</b>	<b>45</b>	<b>145</b>	<b>2028.79</b>	<b>13.5</b>	<b>298982</b>	<b>1753309</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 following towns: Barton, Burke, Coventry, Glover, Lowell, and Newport City.  
<sup>5</sup> Participated in one Coventry HHW collection event and held one collection event in Burke.  
<sup>6</sup> Includes the towns of Pownal and Stamford.

## SUMMARY

The following 2009 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 \$1,380,000.00, served approximately 21,475 participants and collected approximately 483 tons of Household Hazardous waste, 84 tons of Conditionally Exempt Generator Waste, 13.5 pounds of mercury, 2029 pounds of mercury-added products/debris, 298,982 linear feet of fluorescent lamps and approximately 877 tons of discarded electronics. In comparison, 2008 saw 99% 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 2009 and 2008 collection years.

- Average statewide cost per participant in 2009 was approximately \$64.21. This is an increase from 2008 when the average cost per participant was \$55.90. The total cost for statewide collections for 2009 was approximately \$1,380,000.
- 2009 Statewide participation saw a decrease in the total number of participants in comparison to 2008 (21475 vs. 24,672), and an increase in the average statewide participation (8.87% vs. 7.76%). Of the participants for 2008, 1196 were businesses and 5059 were repeat participants (repeat participants accounted for an average of 20% of the total 2008 participants). Fixed facilities, seasonal collections and some single-day collection events had higher than the state average participation rates (8.41%- 26.72%).
- The amount of waste collected in 2009 per participant increased when compared with 2008 (48 vs. 30 pounds).
- The number of collection events available statewide decreased in 2009 compared to 2008 (1248 vs. 1442).
- Approximately 13.5 pounds of elemental mercury, 2029 pounds of mercury-added products/debris and 298,982 linear feet of fluorescent lamps was collected in 2009. In comparison, 2008 was approximately 31 pounds of mercury, 1173 pounds of mercury-added products/debris and 639,000 linear feet of fluorescent lamps collected.
- Approximately 877 tons of electronic waste was collected in 2009 verses 846 tons collected in 2008.

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.