MATERIALS	(TONS)
MUNICIPAL SOLID WASTE (MSW)	
MSW Materials Diverted	192,003
MSW Materials Disposed	414,273
TOTAL MSW:	606,276
CONSTRUCTION & DEMOLITION WASTE (C&D) & WOOD	
C&D/Wood Diverted	314
C&D/Wood Used in Landfills - VT Waste	12,325
C&D/Wood Used in Landfills - Waste From Other States	3,868
C&D Disposed	127,592
Wood Burnt	599
TOTAL C&D/WOOD:	144,698
OTHER SOLID WASTE	
Other Diverted - Table	
Other Used in Landfills - VT Waste	16,345
Other Used in VT Landfills - Waste From Other States	8,208
Other Disposed - VT Waste	13,913
Other Disposed - Waste From Other States	2,300
TOTAL OTHER:	40,766
HHW, CEG, MERCURY & ELECTRONICS COLLECTION BY DISTRICTS &	
TOWNS	
HHW Diverted	428
CEG Diverted	93
Mercury - Products, Debris, Elemental & Lamps	43
Electronics	575
TOTAL HHW & CEG:	1,139
Biosolids	
Beneficial Reuse	42,009
Used in Landfills - VT Biosolids	3,542
Used in Vermont Landfills - Biosolids From Other States	-
Landfilled, Incinerated - Vermont Biosolids	16,092
Disposed in VT Landfills - Biosolids From Other States	.0,002
TOTAL BIOSOLIDS:	61,643
	2.,0.0
TOTAL SOLID WASTE GENERATED (tons) :	854,522

TABLE 1

GENERATION , DIVERSION AND DISPOSAL VERMONT MUNICIPAL SOLID WASTE

1987, 1994, 1998 - 2006 (ACTUAL) & 2007 - 2011 (PROJECTIONS) $^{[1]}$ (2007-2011 PROJECTION IN ORDER TO REACH 50% DIVERSION RATE)

			MS	W Generatio	n, Diversion	& Disposal -	Actual 1987,	1994, 1998-	2006 & Proje	ction For 200	7-2011 (Ton	s)				
	1987 ^[2]	1994 ^[2]	1998	1999	2000	2001	2002	2003	2004	2005	2006	Projection 2007	Projection 2008	Projection 2009	Projection 2010	2011 50% Projection
Generation	350,000	474,800	570,750	563,564	576,797	597,811	612,279	604,442	644,327	614,519	606,276	628,740	631,585	634,430	637,275	640,120
Diversion	42,000	164,830	195,930	199,301	189,401	182,562	184,149	186,407	189,047	183,289	192,003	228,879	251,674	274,469	297,264	320,060
Disposal	308,000	309,970	374,820	364,263	387,396	415,249	428,130	418,035	455,281	431,230	414,273	394,174	375,646	357,118	338,590	320,060
Population	535,000	583,836	600,416	604,683	608,827	613,090	616,408	619,107	621,394	623,050	625,895	628,740	631,585	634,430	637,275	640,120
Per Capita MSW Generation (Tons/Year)	0.65	0.81	0.95	0.93	0.95	0.98	0.99	0.98	1.04	0.99	0.97	1.00	1.00	1.00	1.00	1.00
(Pounds/Day)	3.58	4.46	5.21	5.11	5.19	5.34	5.44	5.35	5.68	5.40	5.31	5.48	5.48	5.48	5.48	5.48
Per Capita MSW Diversion																
(Tons/Year) (Pounds/Day)	0.08 0.43	0.28 1.55	0.33 1.79	0.33 1.81	0.31 1.70	0.30 1.63	0.30 1.64	0.30 1.65	0.30 1.67	0.29 1.61	0.31 1.68	0.37 1.97	0.40 2.17	0.44 2.36	0.47 2.55	0.50 2.74
Per Capita MSW Disposal																
(Tons/Year)	0.58	0.53	0.62	0.60	0.64	0.68	0.69	0.68	0.73	0.69	0.66	0.63	0.59	0.56	0.53	0.50
(Pounds/Day)	3.15	2.91	3.42	3.30	3.49	3.71	3.81	3.70	4.01	3.79	3.63	3.43	3.25	3.07	2.89	2.74

	% of MSW Waste Generation															
	1987 1994 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 50% Projection															
Generation	100%	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%	36%	40%	43%	47%	50%
Disposal	88%	65.3%	65.7%	64.6%	67.2%	69.5%	70%	69%	71%	70%	68%	64%	60%	57%	53%	50%

NOTES:

[1] MSW generation projection for 2007-2011 is based on the average of the per capita MSW generation rate for 2001 through 2005: 1.0T/PERSON/YR Vermont Population Projections for 2007- 2011 is based on the same rate of changes as 2000- 2005- 2845 people/year.

2/21/2008

^[2] Table 1.1, 2001 State of Vermont Revised Solid Waste Management Plan

TABLE 2

SOLID WASTE DIVERSION - 2006 2006 - ESTIMATED BY MATERIAL TYPE & DIVERSION ACTIVITY

			SOURCE OF	MATERIAL			
		Soft Drink and Beer	Economic Recycling(2)				
	Recycling	Distributors(1)(2)	(Direct to	Scrap Metal	Organics	Reuse Facilities	
MATERIAL	Facilities	(Broker Direct)	Market)	Facilities	Composting	& Programs(2)	TOTAL (Tons)
SINGLE STREAM	3164						3164
FIBERS	54,832	386	33,495			137	88,850
CONTAINERS	9,438	17,500	117			19	27,074
SCRAP METAL			251	34,830		159	35,240
ORGANIC					31,774	0	31,774
MISCELLANEOU							
S	3,720		14			2,167	5,901
Total:	71,154	17,886	33,877	34,830	31,774	2,482	192,003

2006 MSW DISPOSED (tons): 414,273

2006 MSW DIVERSION RATE: 32%

- (1) Total includes 16,174 tons of deposit return containers processed by Vermont recycling facilities
- (2) Data for containers from report titled *Analysis of Vermon't 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
- (3) Included in "Scrap Metal Facilities" totals.
- (4) Includes composting data for exempt facilites from *Vermont's Municipal Solid Waste Diversion Rate 2001*, DSM Environmental Services, September 2002

2/19/2008

TABLE 3

Vermont Solid Waste - 2006 Disposal & Incineration

		TY	PE OF WAST	E		
	MSW	C&D/Wood	Other [1]	Total	%	Waste Used
DESTINATION	(Tons)	(Tons)	(Tons)	(Tons)	Disposed	in Landfill [2]
In-State						
Landfill	326,333	112,283	15,641	454,257	81.76%	35,001
Incineration ^[3]		39		39	0.01%	
Subtotal:	326,333	112,322	15,641	454,296		
Out-of-State						
Landfill	40,654	15,229	405	56,288	9.68%	9,232
Incineration	47,286	39	166	47,491	8.55%	
Subtotal:	87,940	15,268	571	103,779		
Total (tons):	414,273	127,590	16,212	558,075	100%	44,233

NOTES:

[1] Refer to Table 4A for specific wastes disposed in Vermont landfills.

[2] Refer to Table4B for specific wastes used in landfills.

[3] On site clean wood burn at transfer stations.

1/15/2008

TABLE 4 DESTINATIONS FOR VERMONT SOLID WASTE - 2006 DISPOSAL & INCINERATION

	Facility Waste USA Landfill WSI Landfill 2 - 1000 Ton Landfills Burgess C&D Landfill On-site Disposal - Transfer Stations & Cat.Cert Site On-site Burning, clean wood - Transfer Stations	MSW (Tons) 242,695 82,971 667	C&D & Wood (Tons)(1) 93,789 16,200 94 567 1,634	OTHER (Tons)(2) 11,034 3,648 8 125 826	Total (Tons) 347,518 102,818 769 692 2,460 39	Waste Used In Landfill(3) 12,240 22,476 285
	2006- Total Vermont (tons):	326,333	112,322	15,641	454,295	35,001
МА	BFI			•		
IIVIA	ECO - Pittsfield Waste To Energy	2,627			2,627	
	South Hadley Landfill	12,430	347		12,777	
1	2006 - Total Massachusetts:	15,057	347		15,404	
NH	Wheelabrator Waste To Energy, Claremont	27,268	31	89	27,387	
	Lebanon Landfill	15,748		395	16,143	973
	North Country Landfill, Bethlehem	4,185	175		4,359	
	Waste Management - Turnkey Landfill	357	142		499	
	Mt Carbury Landfill	1,327			1,327	
	Colebrook Landfill	2,449	351		2,800	
	West Stewardstown	46			46	
	All Waste Transfer Station		4,714		4,714	
	2006 - Total New Hampshire:	51,379	5,412	484	57,275	973
NY	Adirondak Waste To Energy, Hudson Falls	17,391	8	77	17,475	
	Clinton County Landfill	4,114	2,618	11	6,742	
	County Waste, Clifton Park		6,883		6,883	
	Waste Management Landfill(s)				-	8,259
	2006 - Total New York:	21,505	9,508	88	31,101	
	2006 - Total Out-Of-State (tons):	87,940	15,268	571	103,780	9,232
	2006 - Total In-State & Out-Of-State (tons):	414,273	127,590	16,212	558,075	44,233

⁽¹⁾ Waste USA included 374 tons from NH

⁽²⁾ Refer to Table 4A for specific wastes and amounts disposed in Vermont landfills including some waste from other states.

(3) Refer to Table 4B for specific wastes used in landfills, amounts brought to Vermont landfills from other states and amount of VT waste used in landfills in other states.

TABLE 4A
OTHER WASTES DISPOSED IN VERMONT LANDFILLS 2006
(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	TOTAL TONS
Asbestos		434	635	396	11	Lanami	and Bristor	Disposai	1,476
Bulky Was	stes	101	333	22			8		29
Biosolids		7,115	959	1,859					9,933
Contamina	ated Soils			92					92
Medical W	/aste	9	3	123					135
Paper Slu	dge								-
Other Wastes		1,421	458	911	234	125		826	3,975
TOTAL TONS:		8,979	2,055	3,403	245	125	8	826	15,640
	NOTES:		NH NY & PQ		NH				_

Prepared:1/15/2008

TABLE 4B
Waste Used in Landfills (Tons) - 2006 TONS
(Detailing Column H from Table 4)

			Dotaiiiig	oolalliii i i	11 0111 Table 4)				
	Waste USA Landfill - VT Waste	Waste USA Landfill - Waste From Other states	WSI - VT Waste	WSI Landfill - Waste From Other states	Bristol Landfill - Waste From Other states	Salisbury Landfill -	Hartford TS VT C&D to Lebanon LF	C&D to NY	TOTAL TONS
Cover Material:									
Biosolids	3,542								3,542
C&D							973	8,259	9,232
Contaminated Soils	3,681		2,147	1,562					7,390
Foundary Sand			4,397						4,397
Paper Sludge	1,573	7	3,474	5,703		285			11,042
Other Wastes	1,017			651					1,668
Road Base:									
C&D	2,350	14	152	3,854					6,370
Crushed Glass									
Ground Wood Waste	56		535						591
TOTAL TONS:	12,219	21	10,705	11,771		285	973	8,259	44,232
							Also processed 864 tons	Waste Man.	
NOTES:		NY, PQ		MA,NY,PQ	None in 2006	NY	C&D - NH	Landfill(s)	

1/15/2008

TABLE 5
Operating Solid Waste Disposal Capacity in Vermont [3]

Status 7/1/06

	Remaining		Permitted	
Solid Waste Landfills	Capacity For		Rate	Permit Year
	Waste(tons)	(tons/day)	(tons/year)	
NEWS Landfill, ^[1] (Phase I, II, III)	445,000	2,500	370,000	4/1/06-3/31/07
NEWS Landfill, ^[1] (Phase IV)	6,661,350	"	"	
WSI Landfill ^[2] (Cell 2)	134,000	600	172,000	1/1/06-12/31/06
WSI Landfill ^[2] (Cell 3)	1,027,500	"	11	
Totals	8,267,850		542,000	

Maintains ANR Solid Waste Certifica	ition:			
Greater Upper Valley Solid Waste				Not plannning to construct in near
District Hartland - Phase 1 North	250,000	200	50,000	Future
				Not plannning to
Northwest Solid Waste District -				construct in near
Sheldon - Cell 1	130,000	125	20,000	Future

Designing New Landfill and preparing application for submittal to ANR: Chittenden Solid Waste District - Williston

Vermont Solid Waste Requiring Disposal (2005): 542,730 Tons

- [1] NEWS=New England Waste Services, Coventry Vermont
- [2] WSI = Waste Systems International, Inc., Moretown Vermont
- [3] Does not include the two 1000 TPY unlined landfills operating in Bristol Town and Salisbury.

TABLE 6

2006 Estimated Quantities of Biosolids Managed In and Out of State

(As reported to RMS¹ from Vermont facility generators)

Amounts are in wet tons at 15% solids²

Management Option	In-State (wet tons)	Out-of-State (wet tons)	Total (wet tons)	Percent of Total	Percent Managed
Beneficial Uses:					
Land Application	5,408	0	5,408	9%	
Composted	8,742	27,859	36,601	59%	
Subtotal	14,150	27,859	42,009		68%
Non-Beneficial Uses:					
Landfill	17,434	960	18,394	30%	
Incineration**	0	1,240	1,240	2%	
Subtotal	17,434	2,200	19,634		32%
Total:	31,584	30,059	61,643		
Percent of Total In & Out of State	51%	49%			

¹RMS - Residuals Management Section. Wastewater Management Division. (802) 241-3822

²All 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 land filled.

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

SUMMARY OF 2006 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	208	12706	1100	80	535	48.64	8.66	\$75,000.00	\$68.18	101520	14000	92	175	34	0	33800	138000
2 Bennington CRC ¹	2	6575	443	3	155	34.99	6.74	\$25,737.35	\$58.10	12052	296	27	99	80	0	2567	57357
3 Central Vermont SWMD ²	8	27751	857	29	221	25.79	3.09	\$96,418.94	\$112.51	116240	2600	136	90	800	0	9782	99700
4 Chittenden SWMD	298	62358	8365	543	0	0.00	13.41	\$564,399.00	\$67.47	293007	129608	35	239	325	0	257427	99700 329640
5 Greater UVSWMD (GUV) ³	2	14955	575	6	380	66.09	3.84	\$24,828.00	\$43.18	29048	2680	51	447	50	0	21895	46695
6 Lamoille RSWMD	4	12780	418	12	220	52.63	3.27	\$35,703.29	\$85.41	26960	2680	64	223	24	0	20861	53080
7 Londonderry Group 4	2	2806	370	4	150	40.54	13.19	\$15,667.70	\$42.35	8040	640	22	160	15	0	6272	2400
8 Mad River SWA	2	8111	298	37	213	71.48	3.67	\$25,533.00	\$85.68	11860	1030	40	28	30	0	24892	7600
9 NE Kingdom SWMD	89	12154	1083	25	199	18.37	8.91	\$45,800.00	\$42.29	49480	597	46	24	64	0	26407	90904
10 Northwest SWMD	12	13758	583	- 11	320	54.89	4.24	\$32,076.17	\$55.02	23600	2800	40	255	46	17	12251	31949
11 Rutland County SWMD	260	22500	997	119	0	0.00	4.43	\$103,989.52	\$104.30	32296	6800	32	57	1823	0	45515	82255
12 Solid Waste Alliance Committee	4	6546	262	0	0	0.00	4.00	\$28,576.82	\$109.07	16500	0	63	0	1	0	876	15980
13 S. Wind/Windham SWMD	2	20104	214	9	0	0.00	1.06	\$19,267.72	\$90.04	17600	4948	82	550	68	0	20458	3900
14 Tri-town Agreement	2	3074	294	3	0	0.00	9.56	\$23,386.28	\$79.55	18640	0	63	0	5	0	4120	
15 White River Alliance	2	4769	113	0	0	0.00	2.37	\$10,959.88	\$96.99	10560	0	93	0	2	0	2974	4145
16 Windham SWMD	312	19468	1950	18	0	0.00	10.02	\$38,000.00	\$19.49	40160	14120	21	784	160	0	13334	8800
17 Waste USA (NEK) ⁵	2	10831	469	8	0	0.00	4.33	\$45,573.14	\$97.17	18643	0	40	0	0	0	12043	1654
18 Bristol	3	1546	140	0	130	92.86	9.06	\$10,290.00	\$73.50	2690	0	19	0	0	0	0	7706
19 Burke ⁶	1	892	67	0	30	44.78	7.51	\$3,289.00	\$49.09	1200	0	18	0	0	0	3640	
20 Fairfax	2	1249	67	0	0	0.00	5.36	\$5,595.00	\$83.51	1800	0	27	0	4	0	6772	37
21 Franklin/Highgate	2	2111	48	0	20	41.67	2.27	\$2,559.04	\$53.31	1780	0	37	0	0	0	76	
23 St. Albans Town	2	2257	259	0	175	67.57	11.48	\$10,525.00	\$40.64	8080	0	31	0	15	0	3228	64:
24 St. Johnsbury	2	3482	211	50	168	79.62	6.06	\$18,577.00	\$88.04	9280	2440	44	49	30	0	11304	100
25 Swanton	2	2689	132	0	90	68.18	4.91	\$5,248.18	\$39.76	4880	0	37	0	1	0	2200	
TOTALS	1225	275472	19315	957	3006	15.56	6.31	\$1,267,000.03	\$70.19	855916	185239	48	132	3577	17	542694	1150284

- Includes the towns of Arlington, Dorset, Manchester, Rupert, Sandgate, and Sunderland.
 Includes some of Corinth wastes.
 Includes the Town of Hartford wastes.

- Includes the following flown: Flolip for 1 collection.

 Includes the following towns; Barton, Browington, Burke, Charleston, Coventry, Glover, Greensboro, Jay, Lowell, Newport Town, Newport City, Troy, and Westfield.
- Participated in one Coventry HHW collection event and held one collection event in Burke.

SUMMARY

The following 2006 HHW/CEG Hazardous Waste Collection Data was tabulated from Solid Waste Districts, Alliances and Municipalities representing 94% of Vermont households. These statewide collections cost approximately \$1,200,000, served approximately 19300 participants and collected approximately 428 tons of Household Hazardous waste, 93 tons of Conditionally Exempt Generator Waste, 17 pounds of mercury, 3577 pounds of mercury, 3567 pounds of mercury, 3577 po

- 1. Average statewide cost per participant in 2006 was approximately \$70.19. This is an decrease from 2005 when the average cost per participant was \$75.60. In addition, the total cost for statewide collections in 2006 was approximately \$110,000 more than 2005 (\$1,267,000 vs. \$1,156,000). 2006 when compared to 2005 saw a decrease in the hazardous waste collected (428 tons vs. 526 tons).
- 2. 2006 Statewide participation saw a increase in the total number of participants (19.315 vs. 17881) in comparison to 2005, and a slight decrease in the average statewide participation (6.31% vs. 6.51%). Of the participants for 2006, 957 were businesses and 3006 were repeat participants (repeat participants (repeat participants) in comparison to 2005, and a slight decrease in the average statewide participation (6.31% vs. 6.51%). Of the participants for 2006, 957 were businesses and 3006 were repeat participants (repeat participants) in comparison to 2005, and a slight decrease in the average statewide participation (6.31% vs. 6.51%). total 2006 participants). Fixed facilities, seasonal collections and some single-day collection events had higher than the state average participation rates (4.43% 13.41%).
- 3. The amount of waste collected in 2006 per participant decreased when compared with 2005 (48 vs 66 pounds).
- 4. The number of collection events available statewide increased in 2006 compared to 2005(1225 vs. 1183).
- 5. Approximately 17 pounds of elemental mercury, 3577 pounds of mercury-added products/debris and 542,000 linear feet of fluorescent lamps collected.
- Approximately 575 tons of electronic waste was collected in 2006 verses 392 tons collected in 2005.

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 District, Alliance 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 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. Benott, 5r at (802) 241-3472 or e-minal at homas-benotificated.