



# REPORT OF SOLID WASTE LANDFILLED IN MICHIGAN

October 1, 2009 - September 30, 2010

Rick Snyder, Governor  
Dan Wyant, Director

Prepared By:  
Michigan Department of Environmental Quality  
Resource Management Division  
Solid Waste and Land Application Section  
P.O. Box 30241  
Lansing, Michigan 48909-7741  
517-335-2690

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## INTRODUCTION

Section 11507a(1) of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, requires all landfills in Michigan to “annually submit a report to the state and the county and municipality in which the landfill is located that contains information on the amount of solid waste received by the landfill during the year itemized, to the extent possible, by county, state, or country of origin and the amount of remaining disposal capacity at the landfill.”

Section 11507a(2) of Part 115 states, “By January 31 of each year, the department shall submit to the legislature a report summarizing the information obtained under subsection (1).” This report covers the period from October 1, 2009 - September 30, 2010, and is the fifteenth annual Report of Solid Waste Landfilled in Michigan as compiled from the information submitted by the individual landfills.

It is recognized by the Department of Environmental Quality (DEQ) that the data may include estimates as to remaining capacity, volume, and point of origin of the waste stream reported by each landfill. Additionally, use of both standard and waste-specific conversion factors between tons and cubic yards<sup>1</sup> may further alter the data accuracy.

The landfills report the waste received by category using the [Combined Solid Waste Landfill Waste Receipt Report](#) (Combined Report) form. For purposes of this report<sup>2</sup>: MCW means municipal and commercial waste and is typically residential-like waste; IW means industrial waste; and C&D means construction and demolition waste. For additional information on the waste types that fall within each of these categories, see the Waste Type Key found in Appendix A. Certain IW types are accounted for specifically in the Combined Report forms, primarily to calculate the financial assurance applicable to those types of wastes. These specially accounted wastes are: (1) foundry

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<sup>1</sup> Please note that Michigan uses the unit of measure of cubic yards to be reported by landfills. To aid in comparing other states' waste to Michigan's, a simple conversion of 3 cubic yards equals 1 ton of waste has been applied and is referenced in footnotes in bold throughout this report.

<sup>2</sup> Historically, landfills and the DEQ have referred in these reports to the waste disposed as either a Type II or Type III waste. However, new waste designations have been provided to better describe the type of waste rather than the type of landfill. To properly understand the connection between previous reports and the current report, please note the following: MCW refers to the former Type II waste; and IW and C&D refer to the former Type III waste.

sand; (2) coal or wood ash; (3) wastewater treatment sludges; and (4) sediments from wood processing or paper manufacturing. If these wastes are placed in segregated cells or otherwise separated from other wastes in a landfill, they are labeled in this report as “IW – Segregated” (if each specially accounted waste is disposed separately) or “IW – Mixed” (if the specially accounted wastes are mixed together). For additional information on these wastes, see Sections 11525(3) and (4) of Part 115.

It should be noted that this report addresses waste disposed in Michigan landfills from in-state and out-of-state locations. It does not address waste originating in Michigan that is transported to locations outside Michigan for disposal. Additionally, this report covers only waste landfilled in Michigan and does not attempt to determine the amount of waste removed from the overall waste stream prior to final disposal by such means as waste reduction and recycling. Incineration in Michigan is also not addressed except for the final landfilling of ash from municipal incinerators.

#### WASTE DISPOSAL SUMMARY INFORMATION

Total waste disposal in Michigan landfills was reported at 46,124,156 cubic yards, a decrease of 1,713,563 cubic yards or about 3.6 percent over the fiscal year (FY) 2009 report data. Waste generated in Michigan increased from 34,751,365 cubic yards in the previous reporting period to 34,804,086 cubic yards, an increase of about 0.2 percent. Total imports of waste into Michigan landfills decreased from the previous reporting period from 13,086,354 cubic yards to 11,320,070 cubic yards, a decrease of about 13.5 percent. The largest source of waste imports to Michigan continues to be from Canada, with total reported imports to landfills of 8,757,014 cubic yards, down 297,357 cubic yards or about 3.3 percent from the FY 2009 report data. Canadian waste imports equal about 19 percent of all waste disposed in Michigan landfills. Waste reported from other states and Canada totaled about 24.5 percent of all solid waste disposed in Michigan landfills. Imported waste comprised 27.4 percent of solid waste disposed in Michigan landfills in the previous year. Further, the data that follow outline the out-of-state imports to Michigan over the past fifteen FYs. Imports from other states decreased to 2,563,056 cubic yards from 4,031,983 cubic yards, a decrease of about 36.4 percent. This information is presented in Tables 1 and 2 and Figures 1 and 2 and

show only the past ten years' data. Previous years' data can be found online by clicking the following hyperlink: [Annual Reports of Solid Waste Landfilled in Michigan](#).

Annual audits are performed by the DEQ to reconcile quantities reported by the landfills to ensure proper surcharge payments and Perpetual Care Fund (PCF) deposits.

Therefore, please note that the quantities and percentages shown for previous years may reflect corrections submitted by the landfills since the last annual report was published. Consequently, Tables 1 and 2 and Figures 1 and 2 may differ from previous reports.

Recognizing that the solid waste data presented in this report are used to project revenues from solid waste surcharges specified in Section 11525a of Part 115, only the solid waste volumes reported at noncaptive<sup>3</sup> disposal facilities should be used for the calculation for the 7 cents per cubic yard surcharge. For FY 2010 that amount was 43,873,156 cubic yards. The remaining waste was received at captive facilities, which are subject to a flat fee of \$500 to \$3,000 based upon the volume of waste received. Note that the volumes in this report may not be in agreement with the volumes also reported by the landfills in their quarterly surcharge reports.

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<sup>3</sup> Part 115 recognizes two types of facilities, captive and noncaptive, for the purposes of the payment of the surcharge assessed under Section 11525a. Section 11525a(10) states, in pertinent part, "captive facility' means a landfill that accepts for disposal only nonhazardous industrial waste generated only by the owner of the landfill or a nonhazardous industrial waste landfill that is specified in section 11525(3)."

**TABLE 1  
SOLID WASTE DISPOSED IN MICHIGAN LANDFILLS  
(All Figures in Cubic Yards)**

<b>Fiscal Year</b>	<b>Michigan</b>	<b>Canada</b>	<b>Other States</b>	<b>Totals</b>
FY 2001	47,613,432	5,894,738	5,977,769	59,485,939
FY 2002	45,330,685	6,607,856	4,886,587	56,825,128
FY 2003	46,488,424	9,433,028	6,079,367	62,000,819
FY 2004	45,674,375	11,558,899	6,580,238	63,813,512
FY 2005	45,507,303	11,878,091	6,539,722	63,925,116
FY 2006	42,467,777	12,084,907	6,950,645	61,503,329
FY 2007	40,233,222	10,982,984	6,171,862	57,388,068
FY 2008	39,913,636	10,722,164	6,484,096	57,119,896
FY 2009	34,751,365	9,054,371	4,031,983	47,837,719
FY 2010	34,804,086 <sup>4</sup>	8,757,014 <sup>5</sup>	2,563,056 <sup>6</sup>	46,124,156 <sup>7</sup>

**TABLE 2  
SOLID WASTE DISPOSED IN MICHIGAN LANDFILLS  
BY PERCENTAGE**

<b>Fiscal Year</b>	<b>Michigan</b>	<b>Canada</b>	<b>Other States</b>
FY 2001	80%	9.9%	10%
FY 2002	79.8%	11.6%	8.6%
FY 2003	75%	15.2%	9.8%
FY 2004	71.6%	18.1%	10.3%
FY 2005	71.2%	18.6%	10.2%
FY 2006	69%	19.6%	11.3%
FY 2007	70.1%	19.1%	10.8%
FY 2008	69.9%	18.8%	11.4%
FY 2009	72.6%	18.9%	8.4%
FY 2010	75.5%	19%	5.6%

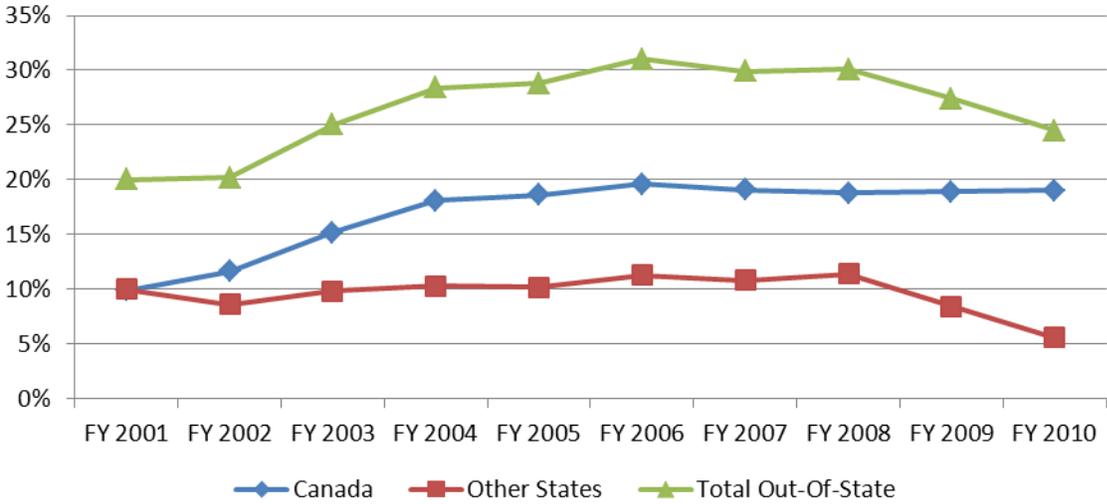
<sup>4</sup> MICHIGAN WASTE: 11,601,360 tons

<sup>5</sup> CANADIAN WASTE: 2,919,005 tons

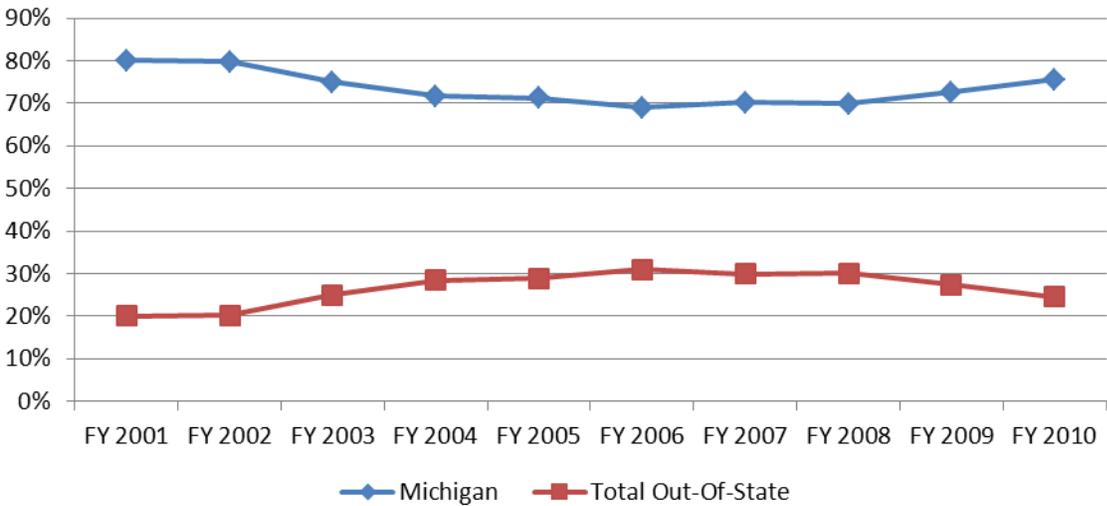
<sup>6</sup> OTHER STATES WASTE: 854,352 tons

<sup>7</sup> TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS: 15,374,720 tons

**FIGURE 1  
OUT-OF-STATE WASTE AS PERCENTAGE OF TOTAL DISPOSAL  
IN MICHIGAN LANDFILLS**



**FIGURE 2  
MICHIGAN AND OUT-OF-STATE WASTE AS PERCENTAGE OF TOTAL DISPOSAL  
IN MICHIGAN LANDFILLS**



The following provides details concerning the volumes of waste disposed in Michigan landfills and provides a breakdown of the waste imported into Michigan for disposal for all landfills that reported this information. Table 3 displays waste disposal summary information for both in-state and imported waste. Some facilities may have reported data from an unknown origin. All unknown waste is reported as in-state waste, however, it is expected that some of the unassigned waste is from out-of-state sources.

<b>TABLE 3 SOLID WASTE DISPOSAL SOURCE SUMMARY (Volume in Cubic Yards)</b>			
<b>WASTE TYPE</b>	<b>IN-STATE</b>	<b>IMPORTED</b>	<b>TOTAL</b>
MCW	21,367,028	9,560,597	30,927,625
MCW-MSW* INCINERATOR ASH	254,961	890	255,851
<b>SUBTOTAL MCW</b>	21,621,989	9,561,487	31,183,476
IW	7,361,607	1,496,025	8,857,632
IW – SEGREGATED	1,798,779	0	1,798,779
IW – SEGREGATED MIXED	202,580	0	202,580
<b>SUBTOTAL IW</b>	9,362,966	1,496,025	10,858,991
C&D	3,819,131	262,558	4,081,689
<b>GRAND TOTAL</b>	34,804,086	11,320,070	46,124,156

\*Municipal Solid Waste

Table 3A displays the industrial waste disposal summary for both in-state and imported waste. Landfills are only required to report to the DEQ, to the extent possible; therefore, some landfills may not have broken down the materials disposed to the level of detail as shown below and, thus, have categorized all their industrial waste as “IW – General.” The “IW – Alternative Daily Cover” (ADC) category is other material that is approved by the DEQ for use as alternative daily cover at an operating landfill. The “IW – Other” refers to other industrial waste types that are not identified on the Combined Report form and includes contaminated soils.

<b>TABLE 3A INDUSTRIAL WASTE DISPOSAL SOURCE SUMMARY (Volume in Cubic Yards)</b>			
<b>WASTE TYPE</b>	<b>IN-STATE</b>	<b>IMPORTED</b>	<b>TOTAL</b>
IW - Alternative Daily Cover	523,502	66,287	589,789
IW - Other	2,451,417	416,079	2,867,496
IW - General	2,909,956	851,806	3,761,762
IW - Wastewater Sludges	616,292	2,669	618,961
IW - Other Sludges	253,125	87,870	340,995
IW - Foundry Sand	286,175	43,701	329,876
IW - Coal Ash	1,814,150	10,663	1,824,813
IW - Wood Ash	51,347	180	51,527
IW - Cement Kiln Dust	321,808	575	322,383
IW - Wood/Paper Sludges	135,194	16,195	151,389
<b>GRAND TOTAL</b>	<b>9,362,966</b>	<b>1,496,025</b>	<b>10,858,991</b>

## WASTE IMPORTS

Based on the reported information for FY 2010, the solid waste industry in Michigan imported solid waste from 12 other states and from Canada for disposal in Michigan landfills. Table 4 indicates the volume of MCW, IW, and C&D imported and the state or country of origin of the waste. Figure 3 indicates the total volume of waste imported by state or country of origin of the waste.

<b>TABLE 4 IMPORTED WASTE BY ORIGIN - FY 2010 (Volume in Cubic Yards)</b>				
<b>WASTE ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>	<b>TOTAL WASTE</b>
CONNECTICUT	0	12,330	0	12,330
CANADA	8,430,019	151,848	175,147	8,757,014
FLORIDA	0	0	580	580
ILLINOIS	47,730	1	717	48,448
INDIANA	377,403	275,084	21,077	673,564
MARYLAND	7,140	13,518	2,230	22,888
MASSACHUSETTS	28	0	0	28
NEW JERSEY	34	236,254	53,680	289,968
NEW YORK	505	66,482	0	66,987
OHIO	487,363	666,840	7,698	1,161,901
PENNSYLVANIA	0	9,193	0	9,193
WEST VIRGINIA	0	7,140	0	7,140
WISCONSIN	211,265	57,335	1,429	270,029

**FIGURE 3  
IMPORTED WASTE BY ORIGIN  
(VOLUME IN CUBIC YARDS)**

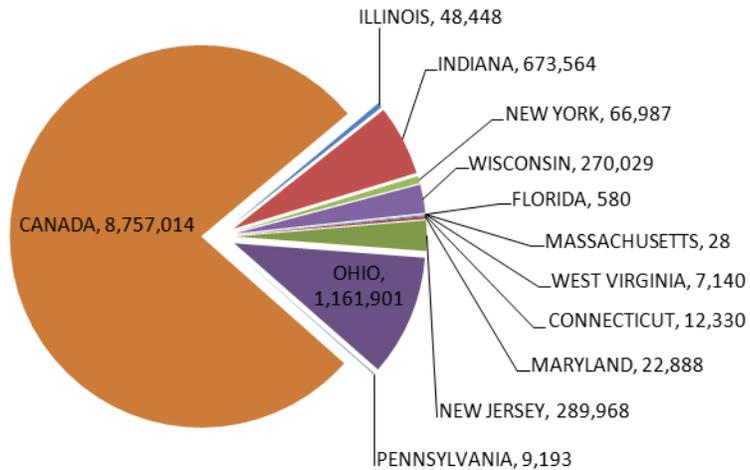


Table 5 shows the total amount of waste imported into each county from all out-of-state sources.

**TABLE 5  
IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2010  
(Volume in Cubic Yards)**

COUNTY	WASTE ORIGIN	WASTE VOLUME
ALGER	WISCONSIN	4,337
BERRIEN	ILLINOIS	48,447
BERRIEN	INDIANA	653,796
CHIPPEWA	CANADA	6,667
GENESEE	CANADA	2,269,367
GENESEE	OHIO	6,597
HURON	CANADA	3,977
JACKSON	OHIO	857
LENAWEE	CONNECTICUT	2,180
LENAWEE	MARYLAND	2,520
LENAWEE	NEW JERSEY	34,204
LENAWEE	OHIO	711
LENAWEE	PENNSYLVANIA	3,395
MACOMB	CANADA	3,489,292

**TABLE 5  
IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2010  
(Volume in Cubic Yards)**

<b>COUNTY</b>	<b>WASTE ORIGIN</b>	<b>WASTE VOLUME</b>
MENOMINEE	WISCONSIN	204,529
MONROE	NEW JERSEY	47,074
MONROE	OHIO	815,117
ONTONAGON	WISCONSIN	61,163
ST JOSEPH	INDIANA	19,768
WASHTENAW	CANADA	21,459
WASHTENAW	OHIO	695
WAYNE	CANADA	2,966,252
WAYNE	CONNECTICUT	10,150
WAYNE	FLORIDA	580
WAYNE	ILLINOIS	1
WAYNE	MARYLAND	20,368
WAYNE	MASSACHUSETTS	28
WAYNE	NEW JERSEY	208,690
WAYNE	NEW YORK	66,987
WAYNE	OHIO	337,924
WAYNE	PENNSYLVANIA	5,798
WAYNE	WEST VIRGINIA	7,140

Table 6 shows the total amount of waste disposed in Michigan landfills from each Michigan county.

<b>TABLE 6 TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2010 (Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>WASTE VOLUME</b>
ALCONA	4,849
ALGER	34,909
ALLEGAN	226,024
ALPENA	370,517
ANTRIM	19,461
ARENAC	20,951
BARAGA	24,091
BARRY	65,165
BAY	440,631
BENZIE	21,401
BERRIEN	636,542
BRANCH	155,311
CALHOUN	593,963
CASS	99,719
CHARLEVOIX	92,701
CHEBOYGAN	76,578
CHIPPEWA	93,216
CLARE	75,803
CLINTON	132,802
CRAWFORD	58,439
DELTA	185,652
DICKINSON	230,516
EATON	533,265
EMMET	107,176
GENESEE	1,402,777
GLADWIN	53,645
GOGEBIC	33,313
GRAND TRAVERSE	162,018
GRATIOT	66,194
HILLSDALE	69,406
HOUGHTON	71,525
HURON	202,408
INGHAM	1,198,772

**TABLE 6  
TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2010  
(Volume in Cubic Yards)**

COUNTY	WASTE VOLUME
IONIA	109,047
IOSCO	120,174
IRON	15,717
ISABELLA	136,112
JACKSON	298,221
KALAMAZOO	1,033,519
KALKASKA	113,961
KENT	1,535,973
KEWEENAW	3,468
LAKE	13,204
LAPEER	152,229
LEELANAU	98,613
LENAWEE	189,512
LIVINGSTON	329,790
LUCE	14,076
MACKINAC	23,788
MACOMB	1,681,969
MANISTEE	395,380
MARQUETTE	259,703
MASON	91,001
MECOSTA	108,340
MENOMINEE	126,505
MIDLAND	414,352
MISSAUKEE	42,993
MONROE	1,133,757
MONTCALM	110,337
MONTMORENCY	45,206
MUSKEGON	569,672
NEWAYGO	93,307
OAKLAND	3,271,613
OCEANA	49,178
OGEMAW	31,288
ONTONAGON	51,639
OSCEOLA	36,688
OSCODA	18,419
OTSEGO	105,523
OTTAWA	993,479

<b>TABLE 6 TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2010 (Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>WASTE VOLUME</b>
PRESQUE ISLE	24,203
ROSCOMMON	76,482
SAGINAW	864,237
SANILAC	99,368
SCHOOLCRAFT	191,841
SHIAWASSEE	154,877
ST CLAIR	975,029
ST JOSEPH	262,247
TUSCOLA	97,958
VAN BUREN	200,642
WASHTENAW	918,410
WAYNE	9,464,262
WEXFORD	97,037

Table 6A shows the total amount of waste disposed by each county that has a landfill. [Click here](#) to view an online map that indicates where Michigan's active solid waste landfills are located.

<b>TABLE 6A TOTAL WASTE DISPOSED BY COUNTY - FY 2010 (Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>TOTAL WASTE VOLUME</b>
ALGER	172,154
ALPENA	281,000
BARRY	126,506
BAY	559,927
BERRIEN	1,763,448
CALHOUN	1,091,150
CHARLEVOIX	34,781
CHIPPEWA	134,115
CLARE	343,719
CLINTON	1,684,257
CRAWFORD	426,042
DELTA	204,439

**TABLE 6A  
TOTAL WASTE DISPOSED BY COUNTY - FY 2010  
(Volume in Cubic Yards)**

<b>COUNTY</b>	<b>TOTAL WASTE VOLUME</b>
DICKINSON	119,236
GENESEE	4,016,588
HURON	244,983
IONIA	190,226
JACKSON	384,510
KALAMAZOO	33,377
KENT	601,010
LEELANAU	230,654
LENAWEE	323,916
MACOMB	4,830,964
MANISTEE	507,003
MARQUETTE	259,703
MENOMINEE	313,601
MIDLAND	424,059
MONROE	1,501,704
MONTCALM	614,558
MONTMORENCY	186,452
MUSKEGON	256,244
OAKLAND	1,206,645
ONTONAGON	259,761
OTTAWA	2,108,819
PRESQUE ISLE	125,420
SAGINAW	695,118
SANILAC	154,260
SCHOOLCRAFT	172,564
SHIAWASSEE	792,838
ST CLAIR	983,230
ST JOSEPH	920,102
WASHTENAW	3,819,411
WAYNE	12,900,406
WEXFORD	125,256

## FACILITY INFORMATION

The total of MCW disposed, IW and C&D disposed, and total volume disposed at each of the 71 reporting facilities is given in Table 7. Tables 8 and 9 list the MCW and the IW and C&D disposal volumes ranked in order of volume disposed. The highlighted type of waste in each of Tables 8 and 9 corresponds to the focus of that table. However, all waste information is also provided for reference purposes.

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
ADRIAN LANDFILL INC	203,321	120,595	323,916
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	660,769	328,666	989,435
BRENT RUN LANDFILL	1,748,811	646,460	2,395,271
C & C EXPANDED SANITARY LANDFILL	739,075	352,075	1,091,150
CARLETON FARMS LANDFILL	3,354,808	1,370,534	4,725,342
CENTRAL SANITARY LANDFILL	554,392	60,166	614,558
CES LANDFILL INC OF HASTINGS	106,782	19,724	126,506
CITIZENS DISPOSAL INC	1,108,144	0	1,108,144
CITY ENVIRONMENTAL SERVICES INC OF WATERS	256,503	169,539	426,042
CITY OF LIVONIA LANDFILL	0	8,204	8,204
CITY OF MIDLAND SANITARY LANDFILL	226,939	197,120	424,059
CMP QUINNESEC LLC	0	119,236	119,236
CONSUMERS ENERGY CO J H CAMPBELL COMPLEX	0	302,199	302,199
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	176,503	79,741	256,244
COUNTY OF WEXFORD LANDFILL	94,515	30,741	125,256
COVE LANDFILL	244,983	0	244,983
DAFTER SANITARY LANDFILL	118,848	15,267	134,115
DELTA COUNTY LANDFILL	76,842	31,847	108,689
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	367,356	367,356
DETROIT EDISON CO SIBLEY QUARRY	0	404,917	404,917

**TABLE 7  
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2010  
(Volume in Cubic Yards)**

<b>FACILITY NAME</b>	<b>MCW DISPOSED</b>	<b>IW AND C&amp;D DISPOSED</b>	<b>TOTAL WASTE DISPOSED</b>
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	475,294	66,211	541,505
EDWARD C LEVY CO LANDFILL	0	258,399	258,399
ELK RUN LANDFILL	112,186	13,234	125,420
ESCANABA PAPER COMPANY	0	95,750	95,750
FOREST LAWN LANDFILL INC	437,457	285,482	722,939
GENERAL MOTORS LLC - SAGINAW METAL CASTINGS OPERATIONS	0	122,201	122,201
GLENS SANITARY LANDFILL	194,926	35,728	230,654
GRANGER GRAND RIVER LANDFILL	646,500	0	646,500
GRANGER WOOD STREET LANDFILL	1,037,757	0	1,037,757
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	31,027	31,027
HIAWATHA SHORES LANDFILL INC	5,759	4,264	10,023
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	60	60
J R WHITING ELECTRIC GENERATING STATION	0	58,554	58,554
K & W LANDFILL	210,952	8,770	219,722
KALAMAZOO VALLEY GROUP LOW HAZARD TYPE III	0	33,377	33,377
LAFARGE MIDWEST INC	0	281,000	281,000
LIBERTY ENVIRONMENTALISTS LANDFILL	0	244,862	244,862
MANISTEE COUNTY LANDFILL INC	179,597	327,406	507,003
MANISTIQUE PAPERS INC	0	162,541	162,541
MARQUETTE COUNTY LANDFILL	166,604	0	166,604
MATLIN ROAD LANDFILL	0	26,698	26,698
MCGILL ROAD LANDFILL	85,750	53,898	139,648
MICHIGAN ENVIRONS INC	175,777	106,797	282,574
MONROE POWER PLANT	0	393,596	393,596
MONTMORENCY-OSCODA-ALPENA SWMA	160,444	26,008	186,452
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	251,737	91,982	343,719

**TABLE 7  
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2010  
(Volume in Cubic Yards)**

<b>FACILITY NAME</b>	<b>MCW DISPOSED</b>	<b>IW AND C&amp;D DISPOSED</b>	<b>TOTAL WASTE DISPOSED</b>
OAKLAND HEIGHTS DEVELOPMENT INC	483,061	182,079	665,140
ORCHARD HILL SANITARY LANDFILL	484,922	0	484,922
OTTAWA COUNTY FARMS LANDFILL	507,789	309,336	817,125
PEOPLES LANDFILL INC	457,771	115,146	572,917
PINE TREE ACRES INC	4,245,514	585,450	4,830,964
PITSCH SANITARY LANDFILL	49,034	141,192	190,226
RICHFIELD LANDFILL INC	513,173	0	513,173
RIVERVIEW LAND PRESERVE	1,182,941	1,290,559	2,473,500
SAUK TRAIL HILLS LANDFILL	946,474	1,035,634	1,982,108
SMITHS CREEK LANDFILL	450,027	165,847	615,874
SMURFIT-STONE CONTAINER LANDFILL	0	40,039	40,039
SOUTH KENT LANDFILL	590,762	0	590,762
SOUTHEAST BERRIEN COUNTY LANDFILL	469,102	86,485	555,587
SPARTA FOUNDRY WASTE FACILITY	0	10,248	10,248
ST MARYS CEMENT INC	0	34,781	34,781
TRI-CITY RECYCLING AND DISPOSAL FACILITY	111,243	43,017	154,260
VENICE PARK RECYCLING & DISPOSAL FACILITY	581,796	211,042	792,838
VEOLIA ES ARBOR HILLS LANDFILL INC	2,507,530	1,311,881	3,819,411
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	604,063	418,793	1,022,856
WE ENERGIES PRESQUE ISLE POWER PLANT	0	93,099	93,099
WEADOCK COMPLEX	0	97,732	97,732
WESTSIDE RECYCLING & DISPOSAL FACILITY	546,540	373,562	920,102
WHITEFEATHER LANDFILL	334,600	127,595	462,195
WOOD ISLAND WASTE MANAGEMENT INC	160,418	11,736	172,154
WOODLAND MEADOWS RDF- VAN BUREN	2,144,741	903,195	3,047,936

**TABLE 8  
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2010  
(Volume in Cubic Yards)**

<b>FACILITY NAME</b>	<b>MCW DISPOSED</b>	<b>IW AND C&amp;D DISPOSED</b>	<b>TOTAL WASTE DISPOSED</b>
PINE TREE ACRES INC	4,245,514	585,450	4,830,964
CARLETON FARMS LANDFILL	3,354,808	1,370,534	4,725,342
VEOLIA ES ARBOR HILLS LANDFILL INC	2,507,530	1,311,881	3,819,411
WOODLAND MEADOWS RDF- VAN BUREN	2,144,741	903,195	3,047,936
BRENT RUN LANDFILL	1,748,811	646,460	2,395,271
RIVERVIEW LAND PRESERVE	1,182,941	1,290,559	2,473,500
CITIZENS DISPOSAL INC	1,108,144	0	1,108,144
GRANGER WOOD STREET LANDFILL	1,037,757	0	1,037,757
SAUK TRAIL HILLS LANDFILL	946,474	1,035,634	1,982,108
C & C EXPANDED SANITARY LANDFILL	739,075	352,075	1,091,150
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	660,769	328,666	989,435
GRANGER GRAND RIVER LANDFILL	646,500	0	646,500
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	604,063	418,793	1,022,856
SOUTH KENT LANDFILL	590,762	0	590,762
VENICE PARK RECYCLING & DISPOSAL FACILITY	581,796	211,042	792,838
CENTRAL SANITARY LANDFILL	554,392	60,166	614,558
WESTSIDE RECYCLING & DISPOSAL FACILITY	546,540	373,562	920,102
RICHFIELD LANDFILL INC	513,173	0	513,173
OTTAWA COUNTY FARMS LANDFILL	507,789	309,336	817,125
ORCHARD HILL SANITARY LANDFILL	484,922	0	484,922
OAKLAND HEIGHTS DEVELOPMENT INC	483,061	182,079	665,140
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	475,294	66,211	541,505
SOUTHEAST BERRIEN COUNTY LANDFILL	469,102	86,485	555,587
PEOPLES LANDFILL INC	457,771	115,146	572,917
SMITHS CREEK LANDFILL	450,027	165,847	615,874
FOREST LAWN LANDFILL INC	437,457	285,482	722,939

**TABLE 8  
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2010  
(Volume in Cubic Yards)**

<b>FACILITY NAME</b>	<b>MCW DISPOSED</b>	<b>IW AND C&amp;D DISPOSED</b>	<b>TOTAL WASTE DISPOSED</b>
WHITEFEATHER LANDFILL	334,600	127,595	462,195
CITY ENVIRONMENTAL SERVICES INC OF WATERS	256,503	169,539	426,042
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	251,737	91,982	343,719
COVE LANDFILL	244,983	0	244,983
CITY OF MIDLAND SANITARY LANDFILL	226,939	197,120	424,059
K & W LANDFILL	210,952	8,770	219,722
ADRIAN LANDFILL INC	203,321	120,595	323,916
GLENS SANITARY LANDFILL	194,926	35,728	230,654
MANISTEE COUNTY LANDFILL INC	179,597	327,406	507,003
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	176,503	79,741	256,244
MICHIGAN ENVIRONS INC	175,777	106,797	282,574
MARQUETTE COUNTY LANDFILL	166,604	0	166,604
MONTMORENCY-OSCODA-ALPENA SWMA	160,444	26,008	186,452
WOOD ISLAND WASTE MANAGEMENT INC	160,418	11,736	172,154
DAFTER SANITARY LANDFILL	118,848	15,267	134,115
ELK RUN LANDFILL	112,186	13,234	125,420
TRI-CITY RECYCLING AND DISPOSAL FACILITY	111,243	43,017	154,260
CES LANDFILL INC OF HASTINGS	106,782	19,724	126,506
COUNTY OF WEXFORD LANDFILL	94,515	30,741	125,256
MCGILL ROAD LANDFILL	85,750	53,898	139,648
DELTA COUNTY LANDFILL	76,842	31,847	108,689
PITSCH SANITARY LANDFILL	49,034	141,192	190,226
HIAWATHA SHORES LANDFILL INC	5,759	4,264	10,023

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2010  
(Volume in Cubic Yards)**

<b>FACILITY NAME</b>	<b>MCW DISPOSED</b>	<b>IW AND C&amp;D DISPOSED</b>	<b>TOTAL WASTE DISPOSED</b>
CARLETON FARMS LANDFILL	3,354,808	1,370,534	4,725,342
VEOLIA ES ARBOR HILLS LANDFILL INC	2,507,530	1,311,881	3,819,411
RIVERVIEW LAND PRESERVE	1,182,941	1,290,559	2,473,500
SAUK TRAIL HILLS LANDFILL	946,474	1,035,634	1,982,108
WOODLAND MEADOWS RDF- VAN BUREN	2,144,741	903,195	3,047,936
BRENT RUN LANDFILL	1,748,811	646,460	2,395,271
PINE TREE ACRES INC	4,245,514	585,450	4,830,964
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	604,063	418,793	1,022,856
DETROIT EDISON CO SIBLEY QUARRY	0	404,917	404,917
MONROE POWER PLANT	0	393,596	393,596
WESTSIDE RECYCLING & DISPOSAL FACILITY	546,540	373,562	920,102
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	367,356	367,356
C & C EXPANDED SANITARY LANDFILL	739,075	352,075	1,091,150
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	660,769	328,666	989,435
MANISTEE COUNTY LANDFILL INC	179,597	327,406	507,003
OTTAWA COUNTY FARMS LANDFILL	507,789	309,336	817,125
CONSUMERS ENERGY CO J H CAMPBELL COMPLEX	0	302,199	302,199
FOREST LAWN LANDFILL INC	437,457	285,482	722,939
LAFARGE MIDWEST INC	0	281,000	281,000
EDWARD C LEVY CO LANDFILL	0	258,399	258,399
LIBERTY ENVIRONMENTALISTS LANDFILL	0	244,862	244,862
VENICE PARK RECYCLING & DISPOSAL FACILITY	581,796	211,042	792,838
CITY OF MIDLAND SANITARY LANDFILL	226,939	197,120	424,059
OAKLAND HEIGHTS DEVELOPMENT INC	483,061	182,079	665,140

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2010  
(Volume in Cubic Yards)**

<b>FACILITY NAME</b>	<b>MCW DISPOSED</b>	<b>IW AND C&amp;D DISPOSED</b>	<b>TOTAL WASTE DISPOSED</b>
CITY ENVIRONMENTAL SERVICES INC OF WATERS	256,503	169,539	426,042
SMITHS CREEK LANDFILL	450,027	165,847	615,874
MANISTIQUE PAPERS INC	0	162,541	162,541
PITSCH SANITARY LANDFILL	49,034	141,192	190,226
WHITEFEATHER LANDFILL	334,600	127,595	462,195
GENERAL MOTORS LLC - SAGINAW METAL CASTINGS OPERATIONS	0	122,201	122,201
ADRIAN LANDFILL INC	203,321	120,595	323,916
CMP QUINNESEC LLC	0	119,236	119,236
PEOPLES LANDFILL INC	457,771	115,146	572,917
MICHIGAN ENVIRONS INC	175,777	106,797	282,574
WEADOCK COMPLEX	0	97,732	97,732
ESCANABA PAPER COMPANY	0	95,750	95,750
WE ENERGIES PRESQUE ISLE POWER PLANT	0	93,099	93,099
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	251,737	91,982	343,719
SOUTHEAST BERRIEN COUNTY LANDFILL	469,102	86,485	555,587
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	176,503	79,741	256,244
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	475,294	66,211	541,505
CENTRAL SANITARY LANDFILL	554,392	60,166	614,558
J R WHITING ELECTRIC GENERATING STATION	0	58,554	58,554
MCGILL ROAD LANDFILL	85,750	53,898	139,648
TRI-CITY RECYCLING AND DISPOSAL FACILITY	111,243	43,017	154,260
SMURFIT-STONE CONTAINER LANDFILL	0	40,039	40,039
GLENS SANITARY LANDFILL	194,926	35,728	230,654
ST MARYS CEMENT INC	0	34,781	34,781
KALAMAZOO VALLEY GROUP LOW HAZARD TYPE III	0	33,377	33,377
DELTA COUNTY LANDFILL	76,842	31,847	108,689
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	31,027	31,027

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2010  
(Volume in Cubic Yards)**

<b>FACILITY NAME</b>	<b>MCW DISPOSED</b>	<b>IW AND C&amp;D DISPOSED</b>	<b>TOTAL WASTE DISPOSED</b>
COUNTY OF WEXFORD LANDFILL	94,515	30,741	125,256
MATLIN ROAD LANDFILL	0	26,698	26,698
MONTMORENCY-OSCODA- ALPENA SWMA	160,444	26,008	186,452
CES LANDFILL INC OF HASTINGS	106,782	19,724	126,506
DAFTER SANITARY LANDFILL	118,848	15,267	134,115
ELK RUN LANDFILL	112,186	13,234	125,420
WOOD ISLAND WASTE MANAGEMENT INC	160,418	11,736	172,154
SPARTA FOUNDRY WASTE FACILITY	0	10,248	10,248
K & W LANDFILL	210,952	8,770	219,722
CITY OF LIVONIA LANDFILL	0	8,204	8,204
HIAWATHA SHORES LANDFILL INC	5,759	4,264	10,023
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	60	60

## CAPACITY INFORMATION

As defined in Section 11507a(1) of Part 115, “Remaining disposal capacity shall be calculated as the permitted capacity less waste in place for any area that has been constructed and is not yet closed plus the permitted capacity for each area that has a permit for construction under this part but has not yet been constructed.” Table 10 presents projected remaining noncaptive disposal capacity, capacity used during the fiscal year, estimated years of remaining capacity (rounded to the nearest year) as reported by each facility, and a DEQ-calculated estimate of years of remaining capacity, for each noncaptive facility, alphabetically. The data presented in Column (C) for each facility are based on site-specific calculations, which may vary among facilities. The data representing capacity used in FY 2010 and estimated years remaining, as calculated by each facility, are presented for informational purposes only. It should also be noted that the amount of waste received at each facility may differ from the capacity used during the fiscal year depending on the type of waste disposed and the degree of compaction.

The DEQ used a simplistic formula to calculate estimated years of remaining capacity for each facility, using the data provided by each facility: Column (A) divided by Column (B) equals Column (D). Although, in some cases, the facility-projected years of remaining capacity in Column (C) equals the calculated remaining capacity in Column (D), it must be noted that each facility may have used a different formula to calculate their projected years of remaining capacity and, therefore, may differ from the calculations presented in Column (D).

**TABLE 10  
FACILITY CAPACITY AND YEARS REMAINING FOR  
NONCAPTIVE FACILITIES - FY 2010  
(Volume in Cubic Yards)**

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2010	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
ADRIAN LANDFILL INC	2,698,210	110,118	22	25
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	11,172,010	237,704	24	47
BRENT RUN LANDFILL	5,730,981	1,019,593	6	6
C & C EXPANDED SANITARY LANDFILL	4,427,724	271,461	10	16
CARLETON FARMS LANDFILL	49,144,463	1,994,383	25	25
CENTRAL SANITARY LANDFILL	10,524,299	123,922	46	85
CES LANDFILL INC OF HASTINGS	2,389,199	32,804	48	73
CITIZENS DISPOSAL INC	8,761,400	356,600	24	25
CITY ENVIRONMENTAL SERVICES INC OF WATERS	16,190,342	213,020	76	76
CITY OF MIDLAND SANITARY LANDFILL	8,352,646	149,321	54	56
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	1,716,000	106,400	12	16
COUNTY OF WEXFORD LANDFILL	5,162,430	69,587	74	74
COVE LANDFILL	1,040,000	81,661	7	13
DAFTER SANITARY LANDFILL	3,769,590	47,300	67	80
DELTA COUNTY LANDFILL	105,500	43,500	2	2
DETROIT EDISON CO SIBLEY QUARRY	19,009,926	404,917	47	47
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	2,033,000	125,000	10	16
EDWARD C LEVY CO LANDFILL	846,800	107,200	7	8
ELK RUN LANDFILL	2,332,865	63,520	37	37
FOREST LAWN LANDFILL INC	1,414,128	243,159	4	6
GLENS SANITARY LANDFILL	18,354,238	121,397	151	151
GRANGER GRAND RIVER LANDFILL	5,973,061	323,248	19	18
GRANGER WOOD STREET LANDFILL	21,915,393	518,878	42	42
HIAWATHA SHORES LANDFILL INC	1,959,906	3,394	167	577
K & W LANDFILL	2,321,170	72,370	23	32
LIBERTY ENVIRONMENTALISTS LANDFILL	453,814	45,149	6	10
MANISTEE COUNTY LANDFILL INC	10,269,737	157,108	36	65
MARQUETTE COUNTY LANDFILL	1,000,000	100,000	2	10
MATLIN ROAD LANDFILL	674,026	26,698	20	25
MCGILL ROAD LANDFILL	1,264,200	46,300	16	27

**TABLE 10  
FACILITY CAPACITY AND YEARS REMAINING FOR  
NONCAPTIVE FACILITIES - FY 2010  
(Volume in Cubic Yards)**

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2010	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
MICHIGAN ENVIRONS INC	3,279,364	139,136	22	24
MONTMORENCY-OSCODA-ALPENA SWMA	715,000	186,452	4	4
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	7,838,544	171,861	44	46
OAKLAND HEIGHTS DEVELOPMENT INC	3,500,700	266,600	13	13
ORCHARD HILL SANITARY LANDFILL	18,475,845	202,050	91	91
OTTAWA COUNTY FARMS LANDFILL	6,496,181	284,286	15	23
PEOPLES LANDFILL INC	7,175,000	125,000	31	57
PINE TREE ACRES INC	22,884,000	1,540,000	14	15
PITSCH SANITARY LANDFILL	3,057,632	190,237	22	16
RICHFIELD LANDFILL INC	891,411	171,057	6	5
RIVERVIEW LAND PRESERVE	15,778,359	817,067	19	19
SAUK TRAIL HILLS LANDFILL	10,458,530	787,870	13	13
SMITHS CREEK LANDFILL	6,228,150	225,825	28	28
SOUTH KENT LANDFILL	6,328,769	322,832	16	20
SOUTHEAST BERRIEN COUNTY LANDFILL	6,442,900	231,500	28	28
TRI-CITY RECYCLING AND DISPOSAL FACILITY	9,382,800	78,490	119	120
VENICE PARK RECYCLING & DISPOSAL FACILITY	9,448,860	322,500	18	29
VEOLIA ES ARBOR HILLS LANDFILL INC	32,483,348	1,524,152	21	21
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	3,988,600	436,400	9	9
WESTSIDE RECYCLING & DISPOSAL FACILITY	38,799,330	502,679	93	77
WHITEFEATHER LANDFILL	3,024,871	130,197	23	23
WOOD ISLAND WASTE MANAGEMENT INC	70,121	63,266	1	1
WOODLAND MEADOWS RDF-VAN BUREN	23,033,000	1,228,000	14	19
<b>TOTAL</b>	<b>460,788,377</b>	<b>17,163,169</b>		

Based on current capacity used for FY 2010 (17,163,169 cubic yards) and total remaining capacity at noncaptive facilities (460,788,377 cubic yards), which may include additional capacity permitted<sup>8</sup> during the fiscal year and using the same calculation for deriving the values in Column (D), it is estimated that Michigan noncaptive landfills have approximately 27 years of remaining disposal capacity left. This estimate does not take into consideration any projected increase or decrease in waste disposal rates, waste diversion programs, or any county-imposed restrictions such as volume limitations, any special conditions, or the waste import/export authorizations of each county.

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<sup>8</sup> Construction permits were issued to the following landfills and were reflected in their Combined Report forms; these permits increased or decreased their disposal capacities and have been reflected in this report: Liberty Environmentalists Landfill; Richfield Management Cove of Bad Axe Landfill; Veolia ES Arbor Hills Landfill; and Wood Island Waste Management Landfill.

APPENDIX A – WASTE TYPE KEY

WASTE TYPE KEY		
	Description	Reference
<b>Municipal &amp; Commercial Waste (MCW)</b>	Commercial Waste	R 299.4102(c)
	Garbage	324.11503(13)
	Household Waste	R 299.4103(k)
	Medical Waste (Regulated)	R 299.4104(a) & 324.11504(6)
	Municipal Solid Waste Incinerator Ash	324.11504(8)
<b>Industrial Waste (IW)</b>	Asbestos	R 299.4101(l)
	Ashes	324.11502(2)
	Cement Kiln Dust (CKD)	R 299.4102(a)
	Coal or Wood Ash	324.11502(7)
	Food Processing Residuals	324.11503(12)
	Food Processing Waste	R 299.4103(d)
	Industrial Waste	R 299.4103(n)
	Liquid Waste	R 299.4103(w)
	Low-Hazard Industrial Waste	R 299.4103(x)
	Paper Mill Waste	R 299.4104(m)
	Sludge	R 299.4105(e)
	Segregated Waste Types for Purposes of PCF: Coal Ash; Wood Ash; CKD; Wastewater Sludge; Wood Sediment; Paper Sediment; Foundry Sand; and Other Approved Materials (ADC)	324.11525(3)
<b>Construction &amp; Demolition Waste (C&amp;D)</b>	Construction and Demolition Waste	R 299.4102(g)
	Scrap Wood	324.11503(14)
	Treated Wood	324.11503(15)
	Wood	324.11503(16)

[Link to Part 115, Solid Waste Management, MCL 324.11501 et seq.](#)

[Link to Part 115, Solid Waste Management Administrative Rules, MAC R 299.4101 et seq.](#)

## APPENDIX B – LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE

The Appendix of this report lists alphabetically every reporting landfill and indicates the amount of waste received at the landfill, the type of waste received, and the place of origin of that waste.

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>ADRIAN LANDFILL INC (LENAWEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CONNECTICUT	0	2,180	0
HILLSDALE	39,191	138	0
JACKSON	0	164	0
LENAWEE	118,045	43,281	21,422
MARYLAND	0	2,520	0
MONROE	644	225	21
NEW JERSEY	0	34,204	0
OHIO	0	711	0
PENNSYLVANIA	0	3,395	0
WASHTENAW	45,441	100	110
WAYNE	0	12,124	0
<b>TOTALS</b>	<b>203,321</b>	<b>99,042</b>	<b>21,553</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY (OTTAWA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	132,438	23,152	5,370
BARRY	81	89	390
BERRIEN	48	9,657	120
BRANCH	0	6	0
CALHOUN	0	203	10,677
EATON	0	0	15
IONIA	6,892	531	0
KALAMAZOO	18	35,197	453
KENT	113,130	83,464	49,317
LAKE	90	0	0
MASON	5,556	965	0
MECOSTA	21	33	0
MONTCALM	3,162	7,929	135
MUSKEGON	63,192	7,953	2,196
NEWAYGO	36	27	0
OCEANA	0	15	0
OTTAWA	335,976	41,588	46,908
ST JOSEPH	42	25	0
VAN BUREN	87	2,095	156
<b>TOTALS</b>	<b>660,769</b>	<b>212,929</b>	<b>115,737</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>BRENT RUN LANDFILL (GENESEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BAY	968	8,165	18,693
CANADA	1,637,852	78,898	121,917
CLINTON	3,485	0	227
EATON	0	0	26
GENESEE	31,230	27,095	69,417
GRATIOT	0	892	7,773
INGHAM	30	1,236	87
KALKASKA	24,977	0	0
LAPEER	15,727	0	4,047
LIVINGSTON	8,655	1,026	113
OAKLAND	177	415	97
OHIO	0	0	6,597
SAGINAW	21,791	40,917	207,261
SANILAC	0	19	119
SHIAWASSEE	671	73	5,544
TUSCOLA	3,248	9,273	5,296
WASHTENAW	0	165	32
WAYNE	0	31,040	0
<b>TOTALS</b>	<b>1,748,811</b>	<b>199,214</b>	<b>447,246</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>C &amp; C EXPANDED SANITARY LANDFILL (CALHOUN COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	778	43,912	295
BARRY	48	40	2,147
BRANCH	113,419	20,669	786
CALHOUN	168,926	128,317	72,961
CASS	30	0	3
CLINTON	734	35	203
EATON	53,775	5,785	9,645
HILLSDALE	1,730	5,530	102
INGHAM	28,071	972	13,082
JACKSON	0	66	45
KALAMAZOO	371,564	32,239	14,773
MASON	0	189	0
ST JOSEPH	0	6	179
VAN BUREN	0	0	94
<b>TOTALS</b>	<b>739,075</b>	<b>237,760</b>	<b>114,315</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>CARLETON FARMS LANDFILL (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	2,573,671	23,878	29,780
CONNECTICUT	0	10,150	0
FLORIDA	0	0	580
GENESEE	2	0	0
ILLINOIS	0	1	0
LENAWEE	56	316	34
LIVINGSTON	960	2,894	138
MACOMB	1,598	2,694	120
MARYLAND	7,140	10,998	2,230
MASSACHUSETTS	28	0	0
MONROE	204,368	6,306	26,839
NEW JERSEY	0	155,010	53,680
NEW YORK	505	66,438	0
OAKLAND	750	469	120
OHIO	140	336,283	40
PENNSYLVANIA	0	5,770	0
VAN BUREN	0	0	16
WASHTENAW	4,140	3,049	3,617
WAYNE	561,450	582,854	39,090
WEST VIRGINIA	0	7,140	0
<b>TOTALS</b>	<b>3,354,808</b>	<b>1,214,250</b>	<b>156,284</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>CENTRAL SANITARY LANDFILL (MONTCALM COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
EATON	0	2	0
GRATIOT	11,381	53	0
IONIA	20,073	19	0
ISABELLA	12,153	1,545	0
KENT	331,992	25,439	690
LAKE	31	0	0
MECOSTA	49,464	26,402	948
MONTCALM	53,529	3,032	973
NEWAYGO	73,048	819	244
OSCEOLA	2,721	0	0
<b>TOTALS</b>	<b>554,392</b>	<b>57,311</b>	<b>2,855</b>

<b>CES LANDFILL INC OF HASTINGS (BARRY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	699	1,180	10
BARRY	43,546	4,729	4,073
BRANCH	0	20	0
CALHOUN	625	266	0
CLINTON	3	20	0
EATON	18,675	92	0
INGHAM	99	40	0
IONIA	25,040	6,245	21
KALAMAZOO	23	0	0
KENT	18,072	2,542	6
OTTAWA	0	480	0
<b>TOTALS</b>	<b>106,782</b>	<b>15,614</b>	<b>4,110</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>CITIZENS DISPOSAL INC (GENESEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BAY	28	0	0
CANADA	350,423	0	0
EATON	5	0	0
GENESEE	720,456	0	0
INGHAM	1,244	0	0
ISABELLA	2	0	0
LAPEER	4,734	0	0
LIVINGSTON	10,533	0	0
OAKLAND	12,362	0	0
SAGINAW	4,718	0	0
SHIAWASSEE	1,881	0	0
TUSCOLA	79	0	0
WASHTENAW	569	0	0
WAYNE	1,110	0	0
<b>TOTALS</b>	<b>1,108,144</b>	<b>0</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>CITY ENVIRONMENTAL SERVICES INC OF WATERS (CRAWFORD COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALCONA	0	6	0
ALPENA	707	6,008	59
ANTRIM	3,024	1,846	1,966
CHARLEVOIX	26,264	29,269	2,307
CHEBOYGAN	33,242	17,931	1,285
CHIPPEWA	0	4	0
CRAWFORD	21,868	23,188	13,320
EMMET	11	10,219	1,475
GRAND TRAVERSE	0	88	0
IOSCO	78,890	7	0
KALKASKA	44,913	9,826	263
MACKINAC	69	0	0
MONTMORENCY	0	45	0
OGEMAW	108	0	0
OSCODA	0	55	0
OTSEGO	39,664	43,890	4,609
PRESQUE ISLE	1,627	514	40
ROSCOMMON	6,116	51	1,268
<b>TOTALS</b>	<b>256,503</b>	<b>142,947</b>	<b>26,592</b>

<b>CITY OF LIVONIA LANDFILL (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
WAYNE	0	8,204	0
<b>TOTALS</b>	<b>0</b>	<b>8,204</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>CITY OF MIDLAND SANITARY LANDFILL (MIDLAND COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BAY	0	10,395	0
MIDLAND	226,939	55,417	131,308
<b>TOTALS</b>	<b>226,939</b>	<b>65,812</b>	<b>131,308</b>

<b>CMP QUINNESEC LLC (DICKINSON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DICKINSON	0	119,236	0
<b>TOTALS</b>	<b>0</b>	<b>119,236</b>	<b>0</b>

<b>CONSUMERS ENERGY CO J H CAMPBELL COMPLEX (OTTAWA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
OTTAWA	0	302,199	0
<b>TOTALS</b>	<b>0</b>	<b>302,199</b>	<b>0</b>

<b>COUNTY OF MUSKEGON - SOLID WASTE LANDFILL (MUSKEGON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
LAKE	1,739	0	1,140
MUSKEGON	155,200	43,801	34,236
NEWAYGO	17,642	0	564
OTTAWA	1,922	0	0
<b>TOTALS</b>	<b>176,503</b>	<b>43,801</b>	<b>35,940</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>COUNTY OF WEXFORD LANDFILL (WEXFORD COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MISSAUKEE	26,046	0	2,352
WEXFORD	68,469	17,025	11,364
<b>TOTALS</b>	<b>94,515</b>	<b>17,025</b>	<b>13,716</b>

<b>COVE LANDFILL (HURON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	3,977	0	0
HURON	166,011	0	0
LAPEER	21,231	0	0
SANILAC	20,096	0	0
TUSCOLA	33,668	0	0
<b>TOTALS</b>	<b>244,983</b>	<b>0</b>	<b>0</b>

<b>DAFTER SANITARY LANDFILL (CHIPPEWA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	6,667	0	0
CHIPPEWA	78,682	13,944	0
LUCE	12,038	0	0
MACKINAC	21,461	1,323	0
<b>TOTALS</b>	<b>118,848</b>	<b>15,267</b>	<b>0</b>

<b>DELTA COUNTY LANDFILL (DELTA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DELTA	76,842	9,870	0
MENOMINEE	0	21,977	0
<b>TOTALS</b>	<b>76,842</b>	<b>31,847</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>DETROIT EDISON CO RANGE RD ASH DISPOSAL (ST CLAIR COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
HURON	0	8,201	0
ST CLAIR	0	359,155	0
<b>TOTALS</b>	<b>0</b>	<b>367,356</b>	<b>0</b>

<b>DETROIT EDISON CO SIBLEY QUARRY (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MONROE	0	127,484	0
WAYNE	0	277,433	0
<b>TOTALS</b>	<b>0</b>	<b>404,917</b>	<b>0</b>

<b>EAGLE VALLEY RECYCLE &amp; DISPOSAL FACILITY (OAKLAND COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
LAPEER	5,016	0	0
MACOMB	65,920	222	0
OAKLAND	404,358	45,659	20,307
WAYNE	0	23	0
<b>TOTALS</b>	<b>475,294</b>	<b>45,904</b>	<b>20,307</b>

<b>EDWARD C LEVY CO LANDFILL (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
WAYNE	0	258,399	0
<b>TOTALS</b>	<b>0</b>	<b>258,399</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>ELK RUN LANDFILL (PRESQUE ISLE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ANTRIM	395	0	0
CHARLEVOIX	0	0	80
CHEBOYGAN	12,937	1,743	4,050
CHIPPEWA	0	0	210
EMMET	92,790	0	2,669
MACKINAC	84	276	575
PRESQUE ISLE	5,980	64	3,567
<b>TOTALS</b>	<b>112,186</b>	<b>2,083</b>	<b>11,151</b>

<b>ESCANABA PAPER COMPANY (DELTA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DELTA	0	95,750	0
<b>TOTALS</b>	<b>0</b>	<b>95,750</b>	<b>0</b>

<b>FOREST LAWN LANDFILL INC (BERRIEN COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	25	0	30
BARRY	78	0	0
BERRIEN	171,668	39,149	5,528
CASS	1,242	95	150
ILLINOIS	47,728	0	717
INDIANA	147,405	237,627	1,748
ST JOSEPH	93	0	0
VAN BUREN	69,218	148	290
<b>TOTALS</b>	<b>437,457</b>	<b>277,019</b>	<b>8,463</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>GENERAL MOTORS LLC - SAGINAW METAL CASTINGS OPERATIONS (SAGINAW COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
SAGINAW	0	122,201	0
<b>TOTALS</b>	<b>0</b>	<b>122,201</b>	<b>0</b>

<b>GLENS SANITARY LANDFILL (LEELANAU COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ANTRIM	9,514	1,945	739
BENZIE	1,968	355	3,058
GRAND TRAVERSE	92,774	4,497	13,230
KALKASKA	123	1,446	181
LEELANAU	90,547	102	7,953
MANISTEE	0	2,206	16
<b>TOTALS</b>	<b>194,926</b>	<b>10,551</b>	<b>25,177</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>GRANGER GRAND RIVER LANDFILL (CLINTON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	66	0	0
BARRY	1,191	0	0
CALHOUN	39	0	0
CLINTON	28,813	0	0
EATON	382,344	0	0
GENESEE	29	0	0
GRATIOT	338	0	0
INGHAM	199,644	0	0
IONIA	24,598	0	0
ISABELLA	7,809	0	0
KALAMAZOO	14	0	0
LIVINGSTON	1,075	0	0
MONTCALM	17	0	0
OAKLAND	8	0	0
SHIAWASSEE	513	0	0
WAYNE	2	0	0
<b>TOTALS</b>	<b>646,500</b>	<b>0</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>GRANGER WOOD STREET LANDFILL (CLINTON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	23	0	0
BARRY	70	0	0
CALHOUN	43	0	0
CLINTON	77,676	0	0
EATON	50,205	0	0
GENESEE	189	0	0
GRATIOT	2,024	0	0
INGHAM	853,573	0	0
IONIA	5,103	0	0
ISABELLA	120	0	0
JACKSON	3	0	0
KALAMAZOO	3	0	0
LIVINGSTON	30,340	0	0
MONTCALM	30	0	0
OAKLAND	103	0	0
SAGINAW	15	0	0
SHIAWASSEE	17,837	0	0
WASHTENAW	89	0	0
WAYNE	311	0	0
<b>TOTALS</b>	<b>1,037,757</b>	<b>0</b>	<b>0</b>

<b>GREAT LAKES PULP COMPANY TYPE III LANDFILL (MENOMINEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MENOMINEE	0	31,027	0
<b>TOTALS</b>	<b>0</b>	<b>31,027</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>HIAWATHA SHORES LANDFILL INC (SCHOOLCRAFT COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALGER	0	3,441	0
SCHOOLCRAFT	5,759	111	712
<b>TOTALS</b>	<b>5,759</b>	<b>3,552</b>	<b>712</b>

<b>HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL (OTTAWA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
OTTAWA	0	60	0
<b>TOTALS</b>	<b>0</b>	<b>60</b>	<b>0</b>

<b>J R WHITING ELECTRIC GENERATING STATION (MONROE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MONROE	0	58,554	0
<b>TOTALS</b>	<b>0</b>	<b>58,554</b>	<b>0</b>

<b>K &amp; W LANDFILL (ONTONAGON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BARAGA	18,250	5,841	0
GENESEE	0	136	0
GOGEBIC	33,262	51	0
HOUGHTON	68,851	1,383	0
IRON	14,453	1,264	0
KEWEENAW	3,468	0	0
ONTONAGON	11,593	7	0
WISCONSIN	61,075	88	0
<b>TOTALS</b>	<b>210,952</b>	<b>8,770</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>KALAMAZOO VALLEY GROUP LOW HAZARD TYPE III (KALAMAZOO COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
KALAMAZOO	0	33,377	0
<b>TOTALS</b>	<b>0</b>	<b>33,377</b>	<b>0</b>

<b>LAFARGE MIDWEST INC (ALPENA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALPENA	0	281,000	0
<b>TOTALS</b>	<b>0</b>	<b>281,000</b>	<b>0</b>

<b>LIBERTY ENVIRONMENTALISTS LANDFILL (JACKSON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BRANCH	0	0	465
CALHOUN	0	0	2,533
CLINTON	0	0	18
EATON	0	0	3,015
HILLSDALE	0	16,709	5,966
INGHAM	0	0	3,874
JACKSON	0	133,564	24,708
LENAWEE	0	0	6,055
LIVINGSTON	0	0	75
OHIO	0	857	0
WASHTENAW	0	560	2,083
WAYNE	0	44,380	0
<b>TOTALS</b>	<b>0</b>	<b>196,070</b>	<b>48,792</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>MANISTEE COUNTY LANDFILL INC (MANISTEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BENZIE	15,612	95	313
GRAND TRAVERSE	12,081	12	42
LAKE	8,586	41	243
LEELANAU	0	11	0
MANISTEE	80,824	305,329	7,005
MASON	62,315	10,559	3,756
WEXFORD	179	0	0
<b>TOTALS</b>	<b>179,597</b>	<b>316,047</b>	<b>11,359</b>

<b>MANISTIQUE PAPERS INC (SCHOOLCRAFT COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
SCHOOLCRAFT	0	162,541	0
<b>TOTALS</b>	<b>0</b>	<b>162,541</b>	<b>0</b>

<b>MARQUETTE COUNTY LANDFILL (MARQUETTE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MARQUETTE	166,604	0	0
<b>TOTALS</b>	<b>166,604</b>	<b>0</b>	<b>0</b>

<b>MATLIN ROAD LANDFILL (MONROE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MONROE	0	0	2,901
OAKLAND	0	0	7,764
WASHTENAW	0	0	4,667
WAYNE	0	0	11,366
<b>TOTALS</b>	<b>0</b>	<b>0</b>	<b>26,698</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>MCGILL ROAD LANDFILL (JACKSON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
JACKSON	85,750	15,112	38,786
<b>TOTALS</b>	<b>85,750</b>	<b>15,112</b>	<b>38,786</b>

<b>MICHIGAN ENVIRONS INC (MENOMINEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DICKINSON	0	4,541	0
MENOMINEE	29,924	42,669	908
SCHOOLCRAFT	0	3	0
WISCONSIN	145,853	57,247	1,429
<b>TOTALS</b>	<b>175,777</b>	<b>104,460</b>	<b>2,337</b>

<b>MONROE POWER PLANT (MONROE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MONROE	0	393,596	0
<b>TOTALS</b>	<b>0</b>	<b>393,596</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>MONTMORENCY-OSCODA-ALPENA SWMA (MONTMORENCY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALCONA	130	0	0
ALPENA	73,589	9,154	0
ANTRIM	1	0	0
CHEBOYGAN	5,390	0	0
CRAWFORD	63	0	0
MONROE	0	4,829	0
MONTMORENCY	33,913	11,248	0
OSCODA	18,358	6	0
OTSEGO	16,589	771	0
PRESQUE ISLE	12,411	0	0
<b>TOTALS</b>	<b>160,444</b>	<b>26,008</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY (CLARE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALCONA	0	4,385	0
ANTRIM	0	0	29
ARENAC	0	10	48
BAY	0	0	14
CLARE	51,641	1,851	17,004
EMMET	0	0	12
GLADWIN	22,978	1,056	3,116
GRATIOT	20,910	8,671	1,727
ISABELLA	71,565	5,618	13,790
KALKASKA	0	0	21
LAKE	792	80	462
MECOSTA	11,428	4,603	1,471
MISSAUKEE	8,122	6,299	174
MONTCALM	0	5	8
OGEMAW	6,931	80	54
OSCEOLA	21,071	9,028	3,830
ROSCOMMON	36,299	4,370	4,166
<b>TOTALS</b>	<b>251,737</b>	<b>46,056</b>	<b>45,926</b>

<b>OAKLAND HEIGHTS DEVELOPMENT INC (OAKLAND COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MACOMB	52,788	5,007	570
OAKLAND	430,115	3,985	164,585
WAYNE	158	1,552	6,380
<b>TOTALS</b>	<b>483,061</b>	<b>10,544</b>	<b>171,535</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>ORCHARD HILL SANITARY LANDFILL (BERRIEN COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	1,939	0	0
BERRIEN	158,629	0	0
CALHOUN	75	0	0
CASS	18,705	0	0
INDIANA	299	0	0
KALAMAZOO	212,213	0	0
ST JOSEPH	173	0	0
VAN BUREN	92,889	0	0
<b>TOTALS</b>	<b>484,922</b>	<b>0</b>	<b>0</b>

<b>OTTAWA COUNTY FARMS LANDFILL (OTTAWA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	132	5,981	485
BARRY	0	395	26
BERRIEN	0	1,204	0
EATON	0	47	15
KALAMAZOO	48	14,709	103
KENT	88,734	101,002	24,343
LIVINGSTON	0	383	0
MASON	118	6,179	32
MONTCALM	208	58	67
MUSKEGON	212,783	35,128	13,698
NEWAYGO	262	113	552
OCEANA	41,859	5,915	1,389
OTTAWA	163,645	77,651	19,861
<b>TOTALS</b>	<b>507,789</b>	<b>248,765</b>	<b>60,571</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>PEOPLES LANDFILL INC (SAGINAW COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BAY	114,312	37,761	888
GENESEE	23,725	403	24
GRATIOT	9,376	80	58
SAGINAW	298,324	67,828	6,937
SHIAWASSEE	65	0	0
TUSCOLA	11,969	1,000	167
<b>TOTALS</b>	<b>457,771</b>	<b>107,072</b>	<b>8,074</b>

<b>PINE TREE ACRES INC (MACOMB COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	3,488,966	326	0
LAPEER	1,021	24	96
MACOMB	737,787	208,376	48,913
OAKLAND	3,143	47,614	133
WASHTENAW	0	95	0
WAYNE	14,597	278,328	1,545
<b>TOTALS</b>	<b>4,245,514</b>	<b>534,763</b>	<b>50,687</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>PITSCH SANITARY LANDFILL (IONIA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	0	0	223
BARRY	0	0	125
BRANCH	0	0	229
CALHOUN	3	0	3,253
CASS	0	0	27
CLINTON	0	0	128
EATON	0	0	1,256
INGHAM	5	0	795
IONIA	2,337	1,439	15,542
ISABELLA	11,872	0	373
KALAMAZOO	0	0	465
KENT	1,491	0	96,440
MASON	0	0	1,332
MECOSTA	12,684	0	1,201
MONTCALM	20,642	0	15,647
MUSKEGON	0	0	1,485
OSCEOLA	0	0	18
OTTAWA	0	0	1,184
ST JOSEPH	0	0	30
<b>TOTALS</b>	<b>49,034</b>	<b>1,439</b>	<b>139,753</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>RICHFIELD LANDFILL INC (GENESEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	80,277	0	0
GENESEE	191,947	0	0
LAPEER	57,308	0	0
LIVINGSTON	212	0	0
OAKLAND	164,960	0	0
SAGINAW	188	0	0
SANILAC	11,668	0	0
SHIAWASSEE	162	0	0
TUSCOLA	6,451	0	0
<b>TOTALS</b>	<b>513,173</b>	<b>0</b>	<b>0</b>

<b>RIVERVIEW LAND PRESERVE (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	172,367	25,343	0
LIVINGSTON	15	0	22
MACOMB	29,695	13,621	15,636
MECOSTA	40	45	0
MONROE	118,129	15,320	3,249
OAKLAND	2,794	6,509	10,671
PENNSYLVANIA	0	28	0
WASHTENAW	632	0	308
WAYNE	859,269	752,211	447,596
<b>TOTALS</b>	<b>1,182,941</b>	<b>813,077</b>	<b>477,482</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>SAUK TRAIL HILLS LANDFILL (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	73,800	14,964	0
LENAWEE	56	193	0
LIVINGSTON	0	136	0
MACOMB	0	6,741	1,014
MONROE	28	10,726	1,746
NEW YORK	0	44	0
OAKLAND	5,980	13,672	140
OHIO	0	1,461	0
WASHTENAW	7,799	1,561	11,277
WAYNE	858,811	255,758	716,201
<b>TOTALS</b>	<b>946,474</b>	<b>305,256</b>	<b>730,378</b>

<b>SMITHS CREEK LANDFILL (ST CLAIR COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ST CLAIR	450,027	52,514	113,333
<b>TOTALS</b>	<b>450,027</b>	<b>52,514</b>	<b>113,333</b>

<b>SMURFIT-STONE CONTAINER LANDFILL (ONTONAGON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ONTONAGON	0	40,039	0
<b>TOTALS</b>	<b>0</b>	<b>40,039</b>	<b>0</b>

<b>SOUTH KENT LANDFILL (KENT COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	1,699	0	0
KENT	589,063	0	0
<b>TOTALS</b>	<b>590,762</b>	<b>0</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>SOUTHEAST BERRIEN COUNTY LANDFILL (BERRIEN COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	1,796	0	0
BERRIEN	184,537	17,252	10,537
CASS	35,731	8,018	2,119
ILLINOIS	2	0	0
INDIANA	218,158	29,724	18,835
OTTAWA	944	0	0
ST JOSEPH	27,903	0	0
VAN BUREN	31	0	0
<b>TOTALS</b>	<b>469,102</b>	<b>54,994</b>	<b>31,491</b>

<b>SPARTA FOUNDRY WASTE FACILITY (KENT COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
KENT	0	10,248	0
<b>TOTALS</b>	<b>0</b>	<b>10,248</b>	<b>0</b>

<b>ST MARYS CEMENT INC (CHARLEVOIX COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CHARLEVOIX	0	34,781	0
<b>TOTALS</b>	<b>0</b>	<b>34,781</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>TRI-CITY RECYCLING AND DISPOSAL FACILITY (SANILAC COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
HURON	16,249	11,879	68
LAPEER	32,014	90	12
SANILAC	51,716	10,563	5,187
TUSCOLA	11,264	14,278	940
<b>TOTALS</b>	<b>111,243</b>	<b>36,810</b>	<b>6,207</b>

<b>VENICE PARK RECYCLING &amp; DISPOSAL FACILITY (SHIAWASSEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BAY	0	60	0
CLINTON	18,398	2,813	249
EATON	5,879	2,483	1
GENESEE	294,324	29,281	4,948
GRATIOT	2,547	0	36
INGHAM	66,651	21,620	146
IONIA	127	1,080	0
LAPEER	9,668	1,240	1
LIVINGSTON	74,335	1,054	123
MACOMB	44	10	0
MONTCALM	4,895	0	0
OAKLAND	553	104,944	14
OSCEOLA	0	20	0
SAGINAW	10,228	30	121
SHIAWASSEE	94,147	27,253	6,731
WAYNE	0	6,784	0
<b>TOTALS</b>	<b>581,796</b>	<b>198,672</b>	<b>12,370</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>VEOLIA ES ARBOR HILLS LANDFILL INC (WASHTENAW COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	0	2,859	18,600
GENESEE	64	9,250	95
INGHAM	406	7,104	93
LIVINGSTON	96,704	15,300	6,666
MACOMB	239,852	13,383	237,011
MONROE	131	152	234
OAKLAND	1,459,018	38,599	112,680
OHIO	0	695	0
WASHTENAW	164,529	147,186	59,228
WAYNE	546,826	308,399	334,347
<b>TOTALS</b>	<b>2,507,530</b>	<b>542,927</b>	<b>768,954</b>

<b>VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL (MONROE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
JACKSON	14	9	0
LENAWEE	54	0	0
MONROE	116,233	14,905	46
NEW JERSEY	34	47,040	0
OAKLAND	0	5	0
OHIO	487,223	326,833	1,061
WASHTENAW	500	39	0
WAYNE	5	28,855	0
<b>TOTALS</b>	<b>604,063</b>	<b>417,686</b>	<b>1,107</b>

<b>WE ENERGIES PRESQUE ISLE POWER PLANT (MARQUETTE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MARQUETTE	0	93,099	0
<b>TOTALS</b>	<b>0</b>	<b>93,099</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>WEADOCK COMPLEX (BAY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BAY	0	97,732	0
<b>TOTALS</b>	<b>0</b>	<b>97,732</b>	<b>0</b>

<b>WESTSIDE RECYCLING &amp; DISPOSAL FACILITY (ST JOSEPH COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	5,449	342	0
BARRY	0	8,137	0
BERRIEN	34,619	3,594	0
BRANCH	18,343	866	508
CALHOUN	165,612	40,150	280
CASS	25,380	4,187	4,032
HILLSDALE	0	40	0
INDIANA	11,541	7,733	494
KALAMAZOO	134,390	179,650	4,280
OTTAWA	1,061	0	0
ST JOSEPH	124,267	94,524	15,005
VAN BUREN	25,878	9,740	0
<b>TOTALS</b>	<b>546,540</b>	<b>348,963</b>	<b>24,599</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>WHITEFEATHER LANDFILL (BAY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALCONA	0	46	282
ANTRIM	0	0	2
ARENAC	14,272	416	6,205
BAY	105,541	22,527	23,547
CLARE	4,917	0	390
GENESEE	106	56	0
GLADWIN	19,825	2,768	3,902
GRAND TRAVERSE	39,094	0	200
GRATIOT	53	30	245
IOSCO	31,256	375	9,646
ISABELLA	3,307	1,609	6,349
KALKASKA	31,475	0	736
MIDLAND	40	648	0
OGEMAW	15,297	1,307	7,511
ROSCOMMON	11,478	11,407	1,327
SAGINAW	57,939	2,042	23,697
TUSCOLA	0	285	40
<b>TOTALS</b>	<b>334,600</b>	<b>43,516</b>	<b>84,079</b>

<b>WOOD ISLAND WASTE MANAGEMENT INC (ALGER COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALGER	20,310	11,158	0
CHIPPEWA	376	0	0
DELTA	3,190	0	0
DICKINSON	106,161	578	0
HOUGHTON	1,291	0	0
LUCE	2,038	0	0
SCHOOLCRAFT	22,715	0	0
WISCONSIN	4,337	0	0
<b>TOTALS</b>	<b>160,418</b>	<b>11,736</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2010**  
 (All Values are in Cubic Yards)

<b>WOODLAND MEADOWS RDF-VAN BUREN (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	42,019	5,580	4,850
LIVINGSTON	76,815	1,243	973
MACOMB	162	805	0
MONROE	21,267	5,771	53
OAKLAND	197,272	11,319	319
WASHTENAW	413,753	43,306	3,575
WAYNE	1,393,453	743,466	81,935
<b>TOTALS</b>	<b>2,144,741</b>	<b>811,490</b>	<b>91,705</b>