



# REPORT OF SOLID WASTE LANDFILLED IN MICHIGAN

October 1, 2010 - September 30, 2011

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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, 2010 - September 30, 2011, and is the sixteenth 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 sand; (2) coal or wood ash; (3) wastewater treatment sludges; and (4) sludges from

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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.

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 45,728,001 cubic yards, a decrease of 394,934 cubic yards or about 0.9 percent over the fiscal year (FY) 2010 report data. Waste generated in Michigan increased from 34,802,865 cubic yards in the previous reporting period to 35,857,898 cubic yards, an increase of about 3 percent. Total imports of waste into Michigan landfills decreased from the previous reporting period from 11,320,070 cubic yards to 9,870,103 cubic yards, a decrease of about 12.8 percent. The largest source of waste imports to Michigan continues to be from Canada, with total reported imports to landfills of 6,983,127 cubic yards, down 1,773,887 cubic yards or about 20.3 percent from the FY 2010 report data. Canadian waste imports equal about 15.3 percent of all waste disposed in Michigan landfills. Waste reported from other states and Canada totaled about 21.6 percent of all solid waste disposed in Michigan landfills. Imported waste comprised 24.5 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 sixteen FYs. Imports from other states increased to 2,886,976 cubic yards from 2,563,056 cubic yards, an increase of about 12.6 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 in the calculation of the current 12 cents (7 cents during FY 2011) per cubic yard surcharge. For FY 2011 that amount was 43,876,399 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 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	34,802,865	8,757,014	2,563,056	46,122,935
FY 2011	35,857,898 <sup>4</sup>	6,983,127 <sup>5</sup>	2,886,976 <sup>6</sup>	45,728,001 <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 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%
FY 2011	78.4%	15.3%	6.3%

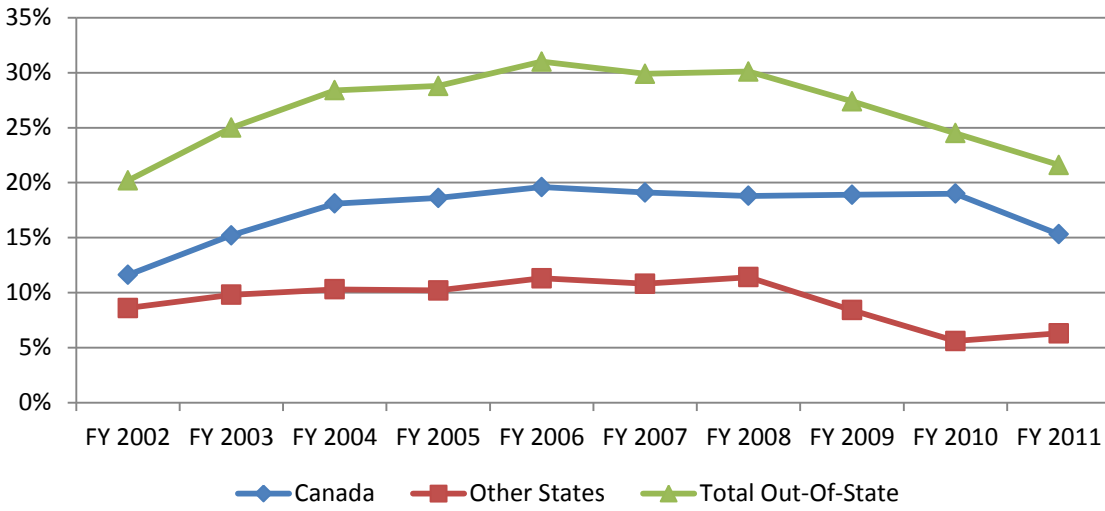
<sup>4</sup> MICHIGAN WASTE: 11,952,630 tons

<sup>5</sup> CANADIAN WASTE: 2,327,709 tons

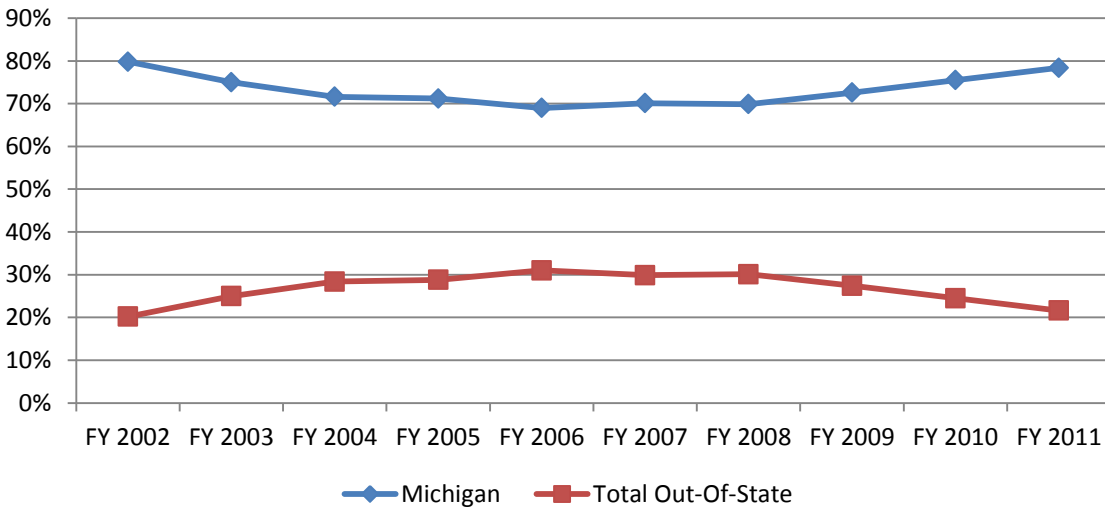
<sup>6</sup> OTHER STATES WASTE: 962,325 tons

<sup>7</sup> TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS: 15,242,670 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	21,764,732	7,835,616	29,600,348
MCW – MSW* INCINERATOR ASH	176,683	1,124	177,807
<b>SUBTOTAL MCW</b>	21,941,415	7,836,740	29,778,155
IW	8,000,883	1,881,216	9,882,099
IW – SEGREGATED	1,434,792	0	1,434,792
IW – SEGREGATED MIXED	278,392	0	278,392
<b>SUBTOTAL IW</b>	9,714,067	1,881,216	11,595,283
C&D	4,202,416	152,147	4,354,563
<b>GRAND TOTAL</b>	35,857,898	9,870,103	45,728,001

\*Municipal Solid Waste



Table 3A displays the IW 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 - General	3,346,837	1,134,254	4,481,091
IW - Other	2,703,611	543,887	3,247,498
IW - Coal Ash	1,374,009	49,491	1,423,500
IW - Other Sludges	173,930	12,275	186,205
IW - Cement Kiln Dust	268,280	1,045	269,325
IW - Wood/Paper Sludges	252,060	20,314	272,374
IW - Foundry Sand	372,008	46,428	418,436
IW - Wastewater Sludges	431,772	1,595	433,367
IW - Alternative Daily Cover	666,549	69,726	736,275
IW - Wood Ash	125,011	2,201	127,212
<b>GRAND TOTAL</b>	9,714,067	1,881,216	11,595,283

## WASTE IMPORTS

Based on the reported information for FY 2011, the solid waste industry in Michigan imported solid waste from 13 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 2011 (Volume in Cubic Yards)</b>				
<b>WASTE ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>	<b>TOTAL WASTE</b>
CANADA	6,722,797	127,661	132,669	6,983,127
CONNECTICUT	0	5,360	0	5,360
FLORIDA	0	290	2,930	3,220
ILLINOIS	30,511	0	0	30,511
INDIANA	479,338	379,625	14,485	873,448
MARYLAND	50	24,365	0	24,415
MASSACHUSETTS	42	0	42	84
NEW HAMPSHIRE	0	21	0	21
NEW JERSEY	0	155,705	0	155,705
NEW YORK	0	107,055	0	107,055
OHIO	403,580	953,265	1,093	1,357,938
PENNSYLVANIA	0	40,838	0	40,838
SOUTH CAROLINA	0	72	0	72
WISCONSIN	200,422	86,959	928	288,309

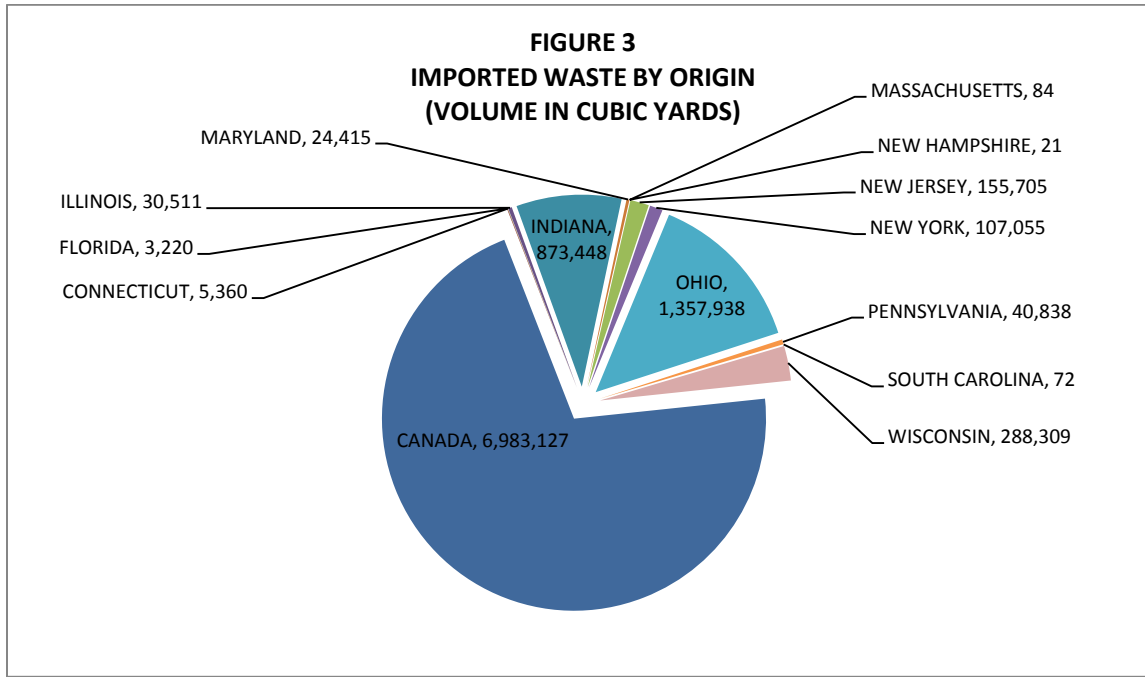


Table 5 shows the total amount of waste imported into each county from all out-of-state sources.

**TABLE 5  
IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2011  
(Volume in Cubic Yards)**

COUNTY	WASTE ORIGIN	WASTE VOLUME
ALGER	WISCONSIN	3,293
BERRIEN	ILLINOIS	30,511
BERRIEN	INDIANA	742,404
CALHOUN	INDIANA	35
CHIPPEWA	CANADA	9,009
GENESEE	CANADA	2,082,661
GENESEE	OHIO	4,010
JACKSON	INDIANA	1,222
JACKSON	OHIO	53,045
LENAWEE	CONNECTICUT	880
LENAWEE	MARYLAND	6,395
LENAWEE	NEW JERSEY	32,365
LENAWEE	OHIO	156
MACOMB	CANADA	3,474,271
MENOMINEE	WISCONSIN	226,638
MONROE	OHIO	1,020,048

**TABLE 5**  
**IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2011**  
**(Volume in Cubic Yards)**

COUNTY	WASTE ORIGIN	WASTE VOLUME
MONROE	PENNSYLVANIA	17,120
MONTCALM	NEW HAMPSHIRE	21
ONTONAGON	WISCONSIN	58,378
SHIAWASSEE	OHIO	80
ST JOSEPH	INDIANA	129,735
WASHTENAW	CANADA	11,562
WASHTENAW	OHIO	140
WAYNE	CANADA	1,405,624
WAYNE	CONNECTICUT	4,480
WAYNE	FLORIDA	3,220
WAYNE	INDIANA	52
WAYNE	MARYLAND	18,020
WAYNE	MASSACHUSETTS	84
WAYNE	NEW JERSEY	123,340
WAYNE	NEW YORK	107,055
WAYNE	OHIO	280,459
WAYNE	PENNSYLVANIA	23,718
WAYNE	SOUTH CAROLINA	72

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

<b>TABLE 6</b>	
<b>TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2011</b>	
<b>(Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>WASTE VOLUME</b>
ALCONA	15,038
ALGER	26,312
ALLEGAN	255,243
ALPENA	344,289
ANTRIM	28,866
ARENAC	32,825
BARAGA	37,167
BARRY	62,427
BAY	356,244
BENZIE	16,959
BERRIEN	683,076
BRANCH	134,257
CALHOUN	507,961
CASS	113,755
CHARLEVOIX	96,771
CHEBOYGAN	77,752
CHIPPEWA	94,828
CLARE	74,146
CLINTON	138,848
CRAWFORD	45,466
DELTA	190,265
DICKINSON	241,285
EATON	515,901
EMMET	98,048
GENESEE	1,607,870
GLADWIN	56,191
GOGEBIC	29,983
GRAND TRAVERSE	246,779
GRATIOT	68,754
HILLSDALE	73,458
HOUGHTON	66,864
HURON	198,161
INGHAM	911,680

**TABLE 6  
TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2011  
(Volume in Cubic Yards)**

COUNTY	WASTE VOLUME
IONIA	449,491
IOSCO	117,399
IRON	13,798
ISABELLA	144,478
JACKSON	286,482
KALAMAZOO	1,062,441
KALKASKA	161,106
KENT	1,554,852
KEWEENAW	3,695
LAKE	10,151
LAPEER	166,581
LEELANAU	54,509
LENAWEE	196,455
LIVINGSTON	315,618
LUCE	13,083
MACKINAC	23,486
MACOMB	1,671,244
MANISTEE	391,509
MARQUETTE	229,407
MASON	79,634
MECOSTA	87,078
MENOMINEE	103,575
MIDLAND	459,835
MISSAUKEE	45,489
MONROE	943,619
MONTCALM	114,907
MONTMORENCY	40,319
MUSKEGON	847,021
NEWAYGO	88,924
OAKLAND	3,345,315
OCEANA	44,550
OGEMAW	27,245
ONTONAGON	16,116
OSCEOLA	38,255
OSCODA	20,354
OTSEGO	96,155
OTTAWA	926,721

<b>TABLE 6 TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2011 (Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>WASTE VOLUME</b>
PRESQUE ISLE	27,892
ROSCOMMON	61,749
SAGINAW	742,772
SAINT CLAIR	860,434
SANILAC	108,916
SCHOOLCRAFT	162,795
SHIAWASSEE	144,083
ST JOSEPH	255,553
TUSCOLA	98,286
VAN BUREN	186,196
WASHTENAW	904,422
WAYNE	10,572,667
WEXFORD	93,767

Table 6A shows the total amount of waste disposed in 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 2011 (Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>TOTAL WASTE VOLUME</b>
ALGER	131,510
ALPENA	235,937
BARRY	120,187
BAY	449,322
BERRIEN	1,937,238
CALHOUN	1,120,901
CHARLEVOIX	29,452
CHIPPEWA	137,183
CLARE	319,230
CLINTON	1,716,737
CRAWFORD	416,117
DELTA	205,499

**TABLE 6A  
TOTAL WASTE DISPOSED BY COUNTY - FY 2011  
(Volume in Cubic Yards)**

<b>COUNTY</b>	<b>TOTAL WASTE VOLUME</b>
DICKINSON	142,467
GENESEE	4,205,699
HURON	219,731
IONIA	234,492
JACKSON	420,675
KALAMAZOO	18,514
KENT	648,864
LEELANAU	259,735
LENAWEE	315,416
MACOMB	4,642,821
MANISTEE	528,790
MARQUETTE	229,272
MENOMINEE	317,274
MIDLAND	470,815
MONROE	1,579,769
MONTCALM	571,513
MONTMORENCY	193,796
MUSKEGON	284,372
OAKLAND	1,266,096
ONTONAGON	223,856
OTTAWA	2,267,884
PRESQUE ISLE	126,156
SAGINAW	650,898
SAINT CLAIR	855,780
SANILAC	164,765
SCHOOLCRAFT	162,130
SHIAWASSEE	734,958
ST JOSEPH	919,094
WASHTENAW	4,654,107
WAYNE	11,455,000
WEXFORD	143,679



## FACILITY INFORMATION

The total of MCW disposed, and IW and C&D disposed, and total volume disposed at each of the 72 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	198,912	116,504	315,416
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	614,579	316,302	930,881
BRENT RUN LANDFILL	1,822,657	600,265	2,422,922
C & C EXPANDED SANITARY LANDFILL	760,070	360,831	1,120,901
CARLETON FARMS LANDFILL	1,693,348	1,558,470	3,251,818
CENTRAL SANITARY LANDFILL	537,296	34,217	571,513
CES LANDFILL INC OF HASTINGS	104,248	15,939	120,187
CITIZENS DISPOSAL INC	1,036,828	0	1,036,828
CITY ENVIRONMENTAL SERVICES INC OF WATERS	253,696	162,421	416,117
CITY OF LIVONIA LANDFILL	0	7,235	7,235
CITY OF MIDLAND SANITARY LANDFILL	174,228	296,587	470,815
CONSUMERS ENERGY CO J H CAMPBELL COMPLEX	0	225,791	225,791
CONSUMERS ENERGY COMPANY DE KARN	0	3,956	3,956
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	170,216	114,156	284,372
COVE LANDFILL	219,731	0	219,731
DAFTER SANITARY LANDFILL	116,832	20,351	137,183
DELTA COUNTY LANDFILL	78,501	28,598	107,099
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	349,587	349,587
DETROIT EDISON CO SIBLEY QUARRY	0	216,504	216,504
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	530,766	60,958	591,724
EDWARD C LEVY CO LANDFILL	0	360,763	360,763

**TABLE 7  
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2011  
(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>
ELK RUN LANDFILL	105,692	20,464	126,156
ESCANABA PAPER COMPANY	0	98,400	98,400
FOREST LAWN LANDFILL INC	630,398	252,936	883,334
GENERAL MOTORS LLC- SAGINAW METAL CASTING OPERATIONS	0	131,183	131,183
GLENS SANITARY LANDFILL	220,044	39,691	259,735
GRANGER GRAND RIVER LANDFILL	557,173	0	557,173
GRANGER WOOD STREET LANDFILL	1,159,564	0	1,159,564
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	8,495	8,495
HIAWATHA SHORES LANDFILL INC	13,020	13,185	26,205
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	30	30
J R WHITING ELECTRIC GENERATING STATION	0	46,301	46,301
K & W LANDFILL	199,064	24,792	223,856
KALAMAZOO VALLEY GROUP LOW HAZARD TYPE III	0	18,514	18,514
LAFARGE MIDWEST INC	0	235,937	235,937
LIBERTY ENVIRONMENTALISTS LANDFILL	0	292,514	292,514
MANISTEE COUNTY LANDFILL INC	125,839	402,951	528,790
MANISTIQUE PAPERS INC	0	135,925	135,925
MARQUETTE COUNTY LANDFILL	153,928	0	153,928
MATLIN ROAD LANDFILL	0	20,993	20,993
MCGILL ROAD LANDFILL	85,343	42,818	128,161
MICHIGAN ENVIRONS INC	170,846	137,933	308,779
MONROE POWER PLANT	0	315,606	315,606
MONTMORENCY-OSCODA- ALPENA SWMA	142,269	51,527	193,796
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	241,747	77,483	319,230
OAKLAND HEIGHTS DEVELOPMENT INC	500,875	173,497	674,372
ORCHARD HILL SANITARY LANDFILL	488,845	0	488,845

**TABLE 7  
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2011  
(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>
OTTAWA COUNTY FARMS LANDFILL	535,937	575,245	1,111,182
PEOPLES LANDFILL INC	443,740	75,975	519,715
PINE TREE ACRES INC	4,147,553	495,268	4,642,821
PITSCH SANITARY LANDFILL	46,068	188,424	234,492
RICHFIELD LANDFILL INC	745,949	0	745,949
RIVERVIEW LAND PRESERVE	1,235,615	1,395,670	2,631,285
SAUK TRAIL HILLS LANDFILL	884,797	768,536	1,653,333
SMITHS CREEK LANDFILL	342,621	163,572	506,193
SMURFIT-STONE CONTAINER LANDFILL	0	270	270
SOUTH KENT LANDFILL	638,319	0	638,319
SOUTHEAST BERRIEN COUNTY LANDFILL	470,386	94,673	565,059
SPARTA FOUNDRY WASTE FACILITY	0	10,545	10,545
ST MARYS CEMENT INC	0	29,452	29,452
TRI-CITY RECYCLING AND DISPOSAL FACILITY	113,291	51,474	164,765
VENICE PARK RECYCLING & DISPOSAL FACIL	453,784	281,174	734,958
VEOLIA ES ARBOR HILLS LANDFILL INC	2,832,803	1,821,304	4,654,107
VERSO PAPER CORP	0	142,467	142,467
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	511,602	685,267	1,196,869
WE ENERGIES PRESQUE ISLE POWER PLANT	0	75,344	75,344
WEADOCK COMPLEX	0	16,564	16,564
WESTSIDE RECYCLING & DISPOSAL FACILITY	470,703	448,391	919,094
WEXFORD COUNTY LANDFILL, LLC	112,226	31,453	143,679
WHITEFEATHER LANDFILL	328,235	100,567	428,802
WOOD ISLAND WASTE MANAGEMENT INC	110,231	21,279	131,510
WOODLAND MEADOWS RDF-VAN BUREN	2,247,740	1,086,322	3,334,062

**TABLE 8  
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2011  
(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	4,147,553	495,268	4,642,821
VEOLIA ES ARBOR HILLS LANDFILL INC	2,832,803	1,821,304	4,654,107
WOODLAND MEADOWS RDF- VAN BUREN	2,247,740	1,086,322	3,334,062
BRENT RUN LANDFILL	1,822,657	600,265	2,422,922
CARLETON FARMS LANDFILL	1,693,348	1,558,470	3,251,818
RIVERVIEW LAND PRESERVE	1,235,615	1,395,670	2,631,285
GRANGER WOOD STREET LANDFILL	1,159,564	0	1,159,564
CITIZENS DISPOSAL INC	1,036,828	0	1,036,828
SAUK TRAIL HILLS LANDFILL	884,797	768,536	1,653,333
C & C EXPANDED SANITARY LANDFILL	760,070	360,831	1,120,901
RICHFIELD LANDFILL INC	745,949	0	745,949
SOUTH KENT LANDFILL	638,319	0	638,319
FOREST LAWN LANDFILL INC	630,398	252,936	883,334
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	614,579	316,302	930,881
GRANGER GRAND RIVER LANDFILL	557,173	0	557,173
CENTRAL SANITARY LANDFILL	537,296	34,217	571,513
OTTAWA COUNTY FARMS LANDFILL	535,937	575,245	1,111,182
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	530,766	60,958	591,724
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	511,602	685,267	1,196,869
OAKLAND HEIGHTS DEVELOPMENT INC	500,875	173,497	674,372
ORCHARD HILL SANITARY LANDFILL	488,845	0	488,845
WESTSIDE RECYCLING & DISPOSAL FACILITY	470,703	448,391	919,094
SOUTHEAST BERRIEN COUNTY LANDFILL	470,386	94,673	565,059
VENICE PARK RECYCLING & DISPOSAL FACIL	453,784	281,174	734,958
PEOPLES LANDFILL INC	443,740	75,975	519,715
SMITHS CREEK LANDFILL	342,621	163,572	506,193
WHITEFEATHER LANDFILL	328,235	100,567	428,802

**TABLE 8**  
**MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2011**  
**(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	253,696	162,421	416,117
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	241,747	77,483	319,230
GLENS SANITARY LANDFILL	220,044	39,691	259,735
COVE LANDFILL	219,731	0	219,731
K & W LANDFILL	199,064	24,792	223,856
ADRIAN LANDFILL INC	198,912	116,504	315,416
CITY OF MIDLAND SANITARY LANDFILL	174,228	296,587	470,815
MICHIGAN ENVIRONS INC	170,846	137,933	308,779
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	170,216	114,156	284,372
MARQUETTE COUNTY LANDFILL	153,928	0	153,928
MONTMORENCY-OSCODA-ALPENA SWMA	142,269	51,527	193,796
MANISTEE COUNTY LANDFILL INC	125,839	402,951	528,790
DAFTER SANITARY LANDFILL	116,832	20,351	137,183
TRI-CITY RECYCLING AND DISPOSAL FACILITY	113,291	51,474	164,765
WEXFORD COUNTY LANDFILL, LLC	112,226	31,453	143,679
WOOD ISLAND WASTE MANAGEMENT INC	110,231	21,279	131,510
ELK RUN LANDFILL	105,692	20,464	126,156
CES LANDFILL INC OF HASTINGS	104,248	15,939	120,187
MCGILL ROAD LANDFILL	85,343	42,818	128,161
DELTA COUNTY LANDFILL	78,501	28,598	107,099
PITSCH SANITARY LANDFILL	46,068	188,424	234,492
HIAWATHA SHORES LANDFILL INC	13,020	13,185	26,205

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2011  
(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>
VEOLIA ES ARBOR HILLS LANDFILL INC	2,832,803	1,821,304	4,654,107
CARLETON FARMS LANDFILL	1,693,348	1,558,470	3,251,818
RIVERVIEW LAND PRESERVE	1,235,615	1,395,670	2,631,285
WOODLAND MEADOWS RDF- VAN BUREN	2,247,740	1,086,322	3,334,062
SAUK TRAIL HILLS LANDFILL	884,797	768,536	1,653,333
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	511,602	685,267	1,196,869
BRENT RUN LANDFILL	1,822,657	600,265	2,422,922
OTTAWA COUNTY FARMS LANDFILL	535,937	575,245	1,111,182
PINE TREE ACRES INC	4,147,553	495,268	4,642,821
WESTSIDE RECYCLING & DISPOSAL FACILITY	470,703	448,391	919,094
MANISTEE COUNTY LANDFILL INC	125,839	402,951	528,790
C & C EXPANDED SANITARY LANDFILL	760,070	360,831	1,120,901
EDWARD C LEVY CO LANDFILL	0	360,763	360,763
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	349,587	349,587
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	614,579	316,302	930,881
MONROE POWER PLANT	0	315,606	315,606
CITY OF MIDLAND SANITARY LANDFILL	174,228	296,587	470,815
LIBERTY ENVIRONMENTALISTS LANDFILL	0	292,514	292,514
VENICE PARK RECYCLING & DISPOSAL FACIL	453,784	281,174	734,958
FOREST LAWN LANDFILL INC	630,398	252,936	883,334
LAFARGE MIDWEST INC	0	235,937	235,937
CONSUMERS ENERGY CO J H CAMPBELL COMPLEX	0	225,791	225,791
DETROIT EDISON CO SIBLEY QUARRY	0	216,504	216,504
PITSCH SANITARY LANDFILL	46,068	188,424	234,492
OAKLAND HEIGHTS DEVELOPMENT INC	500,875	173,497	674,372

**TABLE 9**  
**IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2011**  
**(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>
SMITHS CREEK LANDFILL	342,621	163,572	506,193
CITY ENVIRONMENTAL SERVICES INC OF WATERS	253,696	162,421	416,117
VERSO PAPER CORP	0	142,467	142,467
MICHIGAN ENVIRONS INC	170,846	137,933	308,779
MANISTIQUE PAPERS INC	0	135,925	135,925
GENERAL MOTORS LLC- SAGINAW METAL CASTING OPERATIONS	0	131,183	131,183
ADRIAN LANDFILL INC	198,912	116,504	315,416
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	170,216	114,156	284,372
WHITEFEATHER LANDFILL	328,235	100,567	428,802
ESCANABA PAPER COMPANY	0	98,400	98,400
SOUTHEAST BERRIEN COUNTY LANDFILL	470,386	94,673	565,059
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	241,747	77,483	319,230
PEOPLES LANDFILL INC	443,740	75,975	519,715
WE ENERGIES PRESQUE ISLE POWER PLANT	0	75,344	75,344
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	530,766	60,958	591,724
MONTMORENCY-OSCODA- ALPENA SWMA	142,269	51,527	193,796
TRI-CITY RECYCLING AND DISPOSAL FACILITY	113,291	51,474	164,765
J R WHITING ELECTRIC GENERATING STATION	0	46,301	46,301
MCGILL ROAD LANDFILL	85,343	42,818	128,161
GLENS SANITARY LANDFILL	220,044	39,691	259,735
CENTRAL SANITARY LANDFILL	537,296	34,217	571,513
WEXFORD COUNTY LANDFILL, LLC	112,226	31,453	143,679
ST MARYS CEMENT INC	0	29,452	29,452
DELTA COUNTY LANDFILL	78,501	28,598	107,099
K & W LANDFILL	199,064	24,792	223,856
WOOD ISLAND WASTE MANAGEMENT INC	110,231	21,279	131,510
MATLIN ROAD LANDFILL	0	20,993	20,993

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2011  
(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>
ELK RUN LANDFILL	105,692	20,464	126,156
DAFTER SANITARY LANDFILL	116,832	20,351	137,183
KALAMAZOO VALLEY GROUP LOW HAZARD TYPE III	0	18,514	18,514
WEADOCK COMPLEX	0	16,564	16,564
CES LANDFILL INC OF HASTINGS	104,248	15,939	120,187
HIAWATHA SHORES LANDFILL INC	13,020	13,185	26,205
SPARTA FOUNDRY WASTE FACILITY	0	10,545	10,545
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	8,495	8,495
CITY OF LIVONIA LANDFILL	0	7,235	7,235
CONSUMERS ENERGY COMPANY DE KARN	0	3,956	3,956
SMURFIT-STONE CONTAINER LANDFILL	0	270	270
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	30	30



## 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 2011 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 2011  
(Volume in Cubic Yards)**

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2011	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
ADRIAN LANDFILL INC	2,610,118	95,765	27	27
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	10,756,334	415,676	27	26
BRENT RUN LANDFILL	4,076,053	1,654,928	4	2
C & C EXPANDED SANITARY LANDFILL	3,587,735	839,989	8	4
CARLETON FARMS LANDFILL	48,059,249	1,403,030	34	34
CENTRAL SANITARY LANDFILL	10,210,762	313,535	45	33
CES LANDFILL INC OF HASTINGS	2,316,870	72,329	49	32
CITIZENS DISPOSAL INC	8,400,200	351,200	23	24
CITY ENVIRONMENTAL SERVICES INC OF WATERS	15,982,284	208,058	77	77
CITY OF MIDLAND SANITARY LANDFILL	8,168,169	184,477	53	44
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	1,596,480	140,136	11	11
COVE LANDFILL	977,932	73,243	6	13
DAFTER SANITARY LANDFILL	3,731,490	38,100	74	98
DELTA COUNTY LANDFILL	70,000	35,500	2	2
DETROIT EDISON CO SIBLEY QUARRY	18,793,422	216,504	87	87
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	1,835,000	198,000	9	9
EDWARD C LEVY CO LANDFILL	652,500	191,800	5	3
ELK RUN LANDFILL	2,303,205	34,669	66	66
FOREST LAWN LANDFILL INC	1,170,997	243,131	3	5
GLENS SANITARY LANDFILL	18,224,370	129,868	140	140
GRANGER GRAND RIVER LANDFILL	5,694,476	278,585	20	20
GRANGER WOOD STREET LANDFILL	21,396,515	518,878	41	41
HIAWATHA SHORES LANDFILL INC	1,936,675	20,592	92	94
K & W LANDFILL	2,235,767	85,403	26	26
LIBERTY ENVIRONMENTALISTS LANDFILL	303,000	150,000	5	2
MANISTEE COUNTY LANDFILL INC	9,905,544	364,193	35	27
MARQUETTE COUNTY LANDFILL	950,000	50,000	21	19
MATLIN ROAD LANDFILL	653,034	20,992	237	31
MCGILL ROAD LANDFILL	1,173,800	90,400	15	13
MICHIGAN ENVIRONS INC	3,143,273	136,091	22	23

**TABLE 10  
FACILITY CAPACITY AND YEARS REMAINING FOR  
NONCAPTIVE FACILITIES - FY 2011  
(Volume in Cubic Yards)**

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2011	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
MONTMORENCY-OSCODA-ALPENA SWMA	521,203	193,797	3	3
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	7,678,930	159,614	48	48
OAKLAND HEIGHTS DEVELOPMENT INC	3,195,300	305,400	10	10
ORCHARD HILL SANITARY LANDFILL	18,272,160	203,685	90	90
OTTAWA COUNTY FARMS LANDFILL	6,055,790	440,391	14	14
PEOPLES LANDFILL INC	7,020,000	155,000	34	45
PINE TREE ACRES INC	21,298,000	1,586,000	12	13
PITSCH SANITARY LANDFILL	2,817,139	234,493	21	12
RICHFIELD LANDFILL INC	642,761	248,650	3	3
RIVERVIEW LAND PRESERVE	14,983,596	892,833	17	17
SAUK TRAIL HILLS LANDFILL	9,849,930	608,600	16	16
SMITHS CREEK LANDFILL	6,012,876	215,274	28	28
SOUTH KENT LANDFILL	6,000,757	322,833	15	19
SOUTHEAST BERRIEN COUNTY LANDFILL	6,298,676	173,293	36	36
TRI-CITY RECYCLING AND DISPOSAL FACILITY	9,322,620	60,180	118	155
VENICE PARK RECYCLING & DISPOSAL FACIL	9,208,860	240,000	17	38
VEOLIA ES ARBOR HILLS LANDFILL INC	30,878,827	1,607,521	19	19
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	3,380,800	607,800	6	6
WESTSIDE RECYCLING & DISPOSAL FACILITY	38,379,384	419,946	102	91
WEXFORD COUNTY LANDFILL, LLC	5,094,657	67,773	75	75
WHITEFEATHER LANDFILL	2,865,026	146,104	20	20
WOOD ISLAND WASTE MANAGEMENT INC	479,865	152,539	4	3
WOODLAND MEADOWS RDF-VAN BUREN	21,865,000	1,168,000	13	19
<b>TOTAL</b>	<b>443,037,411</b>	<b>18,764,798</b>		

Based on current capacity used for FY 2011 (18,764,798 cubic yards) and total remaining capacity at noncaptive facilities (443,037,411 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 24 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> A construction permit was issued to the following landfill and is reflected in the Combined Report form; this permit increased the disposal capacity and has been reflected in this report: Oakland Heights Development Inc.

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	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 Act Administrative Rules, MAC R 229.4101 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 2011**  
 (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>
BRANCH	0	2	0
CONNECTICUT	0	880	0
HILLSDALE	42,990	308	13
INGHAM	0	5,395	0
JACKSON	0	650	66
KENT	0	16	0
LENAWEE	138,903	25,334	22,055
MARYLAND	0	6,395	0
MONROE	453	21	77
MUSKEGON	0	100	0
NEW JERSEY	0	32,365	0
OHIO	0	156	0
WASHTENAW	16,566	155	203
WAYNE	0	22,313	0
<b>TOTALS</b>	<b>198,912</b>	<b>94,090</b>	<b>22,414</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	123,566	45,405	8,032
BARRY	25	1,841	21
BERRIEN	5	4,590	96
BRANCH	0	28	0
CALHOUN	0	205	428
CLARE	11	0	0
IONIA	8,796	930	17
KALAMAZOO	12	39,015	471
KENT	117,965	65,454	9,218
MASON	1,082	8	0
MECOSTA	0	41	0
MONTCALM	1,086	11,623	0
MUSKEGON	55,942	15,874	2,524
NEWAYGO	9	375	119
OCEANA	40	0	0
OTTAWA	305,994	74,390	34,070
ST JOSEPH	0	37	0
VAN BUREN	46	687	803
<b>TOTALS</b>	<b>614,579</b>	<b>260,503</b>	<b>55,799</b>



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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>
ALLEGAN	1,489	22	58
BAY	1,045	496	27,373
CANADA	1,721,373	17,136	29,982
CASS	0	24	10
CLINTON	6,851	0	195
EATON	0	33	164
GENESEE	23,612	27,992	198,456
GRATIOT	1,201	662	19,570
INGHAM	0	0	332
KALKASKA	46,458	0	6,318
LAPEER	181	71	3,225
LIVINGSTON	4,788	1,258	271
OAKLAND	1,821	0	1,620
OHIO	0	4,010	0
SAGINAW	10,100	38,141	149,810
SANILAC	0	364	64
SHIAWASSEE	1,276	0	9,300
ST JOSEPH	0	44	0
TUSCOLA	2,462	11,135	8,250
WASHTENAW	0	0	976
WAYNE	0	42,903	0
<b>TOTALS</b>	<b>1,822,657</b>	<b>144,291</b>	<b>455,974</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	111	40,616	304
BARRY	112	10	843
BERRIEN	13	0	0
BRANCH	88,586	25,488	2,751
CALHOUN	151,208	105,565	95,673
CASS	72	0	32
CLINTON	1,087	0	467
EATON	84,546	5,178	11,542
HILLSDALE	8,472	2,340	325
INDIANA	0	35	0
INGHAM	20,788	469	17,188
JACKSON	11	6	460
KALAMAZOO	404,216	39,477	11,663
MASON	0	159	0
ST JOSEPH	848	0	240
<b>TOTALS</b>	<b>760,070</b>	<b>219,343</b>	<b>141,488</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	868,708	89,121	83,124
CONNECTICUT	0	4,480	0
FLORIDA	0	290	2,930
GENESEE	0	15	0
KALAMAZOO	0	44	0
LENAWEE	1,311	0	189
LIVINGSTON	3,768	85	28
MACOMB	536	2,429	12
MARYLAND	50	17,970	0
MASSACHUSETTS	42	0	42
MONROE	64,441	9,942	18,700
NEW JERSEY	0	123,340	0
NEW YORK	0	107,028	0
OAKLAND	2,925	707	914
OHIO	228	279,433	40
PENNSYLVANIA	0	23,718	0
WASHTENAW	4,018	3,763	4,002
WAYNE	747,321	719,553	66,571
<b>TOTALS</b>	<b>1,693,348</b>	<b>1,381,918</b>	<b>176,552</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	7	0
GRATIOT	9,794	86	0
IONIA	16,893	216	0
ISABELLA	22,721	113	0
KENT	315,314	22,098	1,171
LAKE	4	0	0
MECOSTA	51,464	1,195	481
MONTCALM	48,836	1,664	934
NEW HAMPSHIRE	0	21	0
NEWAYGO	68,524	834	348
OSCEOLA	3,746	5,049	0
<b>TOTALS</b>	<b>537,296</b>	<b>31,283</b>	<b>2,934</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	677	3,000	0
BARRY	46,853	4,046	3,972
BRANCH	0	20	0
CALHOUN	189	1,080	32
CLINTON	49	70	0
EATON	18,401	0	0
HILLSDALE	0	40	0
INGHAM	76	30	0
IONIA	24,231	1,471	5
KALAMAZOO	0	476	0
KENT	13,772	1,677	0
OTTAWA	0	20	0
<b>TOTALS</b>	<b>104,248</b>	<b>11,930</b>	<b>4,009</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	385	0	0
CANADA	257,982	0	0
CLINTON	5	0	0
GENESEE	751,530	0	0
INGHAM	1,426	0	0
LAPEER	1,894	0	0
LENAWEE	56	0	0
LIVINGSTON	15,768	0	0
MACOMB	30	0	0
OAKLAND	4,498	0	0
SAGINAW	452	0	0
SHIAWASSEE	165	0	0
TUSCOLA	24	0	0
WASHTENAW	1,400	0	0
WAYNE	1,213	0	0
<b>TOTALS</b>	<b>1,036,828</b>	<b>0</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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>
ALPENA	878	5,390	0
ANTRIM	3,563	7,526	252
CHARLEVOIX	37,350	28,684	471
CHEBOYGAN	35,081	16,726	338
CHIPPEWA	0	31	0
CRAWFORD	22,666	21,837	956
EMMET	0	6,080	782
GRAND TRAVERSE	191	119	0
IOSCO	72,078	80	0
KALKASKA	42,086	20,557	70
OGEMAW	36	0	0
OTSEGO	32,112	50,770	928
PRESQUE ISLE	1,583	605	16
ROSCOMMON	6,072	7	196
<b>TOTALS</b>	<b>253,696</b>	<b>158,412</b>	<b>4,009</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	7,235	0
<b>TOTALS</b>	<b>0</b>	<b>7,235</b>	<b>0</b>

<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	12,060	0
MIDLAND	174,228	83,784	200,743
<b>TOTALS</b>	<b>174,228</b>	<b>95,844</b>	<b>200,743</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>CONSUMERS ENERGY CO J H CAMPBELL COMPLEX (OTTAWA COUNTY)</b>			
ORIGIN	MCW	IW	C&D
OTTAWA	0	225,791	0
<b>TOTALS</b>	<b>0</b>	<b>225,791</b>	<b>0</b>

<b>CONSUMERS ENERGY COMPANY DE KARN (BAY COUNTY)</b>			
ORIGIN	MCW	IW	C&D
BAY	0	3,956	0
<b>TOTALS</b>	<b>0</b>	<b>3,956</b>	<b>0</b>

<b>COUNTY OF MUSKEGON - SOLID WASTE LANDFILL (MUSKEGON COUNTY)</b>			
ORIGIN	MCW	IW	C&D
LAKE	3,033	0	396
MUSKEGON	148,189	64,014	49,486
NEWAYGO	18,189	0	260
OTTAWA	805	0	0
<b>TOTALS</b>	<b>170,216</b>	<b>64,014</b>	<b>50,142</b>

<b>COVE LANDFILL (HURON COUNTY)</b>			
ORIGIN	MCW	IW	C&D
HURON	166,462	0	0
LAPEER	13,045	0	0
SANILAC	12,565	0	0
TUSCOLA	27,659	0	0
<b>TOTALS</b>	<b>219,731</b>	<b>0</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>DAFTER SANITARY LANDFILL (CHIPPEWA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	9,009	0	0
CHIPPEWA	75,441	18,944	0
LUCE	10,788	0	0
MACKINAC	21,594	1,407	0
<b>TOTALS</b>	<b>116,832</b>	<b>20,351</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	78,501	9,376	0
MENOMINEE	0	19,222	0
<b>TOTALS</b>	<b>78,501</b>	<b>28,598</b>	<b>0</b>

<b>DETROIT EDISON CO RANGE RD ASH DISPOSAL (SAINT CLAIR COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
SAINT CLAIR	0	349,587	0
<b>TOTALS</b>	<b>0</b>	<b>349,587</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	35,702	0
WAYNE	0	180,802	0
<b>TOTALS</b>	<b>0</b>	<b>216,504</b>	<b>0</b>



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<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	5,653	0	0
MACOMB	71,346	334	4
OAKLAND	453,767	50,958	9,662
<b>TOTALS</b>	<b>530,766</b>	<b>51,292</b>	<b>9,666</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	360,763	0
<b>TOTALS</b>	<b>0</b>	<b>360,763</b>	<b>0</b>

<b>ELK RUN LANDFILL (PRESQUE ISLE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ANTRIM	300	0	27
CHARLEVOIX	62	0	520
CHEBOYGAN	11,999	4,667	5,606
EMMET	87,765	1,260	2,160
KALKASKA	0	0	510
MACKINAC	408	0	77
PRESQUE ISLE	5,158	2,818	2,819
<b>TOTALS</b>	<b>105,692</b>	<b>8,745</b>	<b>11,719</b>

<b>ESCANABA PAPER COMPANY (DELTA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DELTA	0	98,400	0
<b>TOTALS</b>	<b>0</b>	<b>98,400</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>FOREST LAWN LANDFILL INC (BERRIEN COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BERRIEN	174,942	11,532	3,432
CASS	0	120	0
ILLINOIS	30,511	0	0
INDIANA	360,117	233,083	2,796
KALAMAZOO	141	0	0
ST JOSEPH	0	1,525	0
VAN BUREN	64,687	448	0
<b>TOTALS</b>	<b>630,398</b>	<b>246,708</b>	<b>6,228</b>

<b>GENERAL MOTORS LLC-SAGINAW METAL CASTING OPERATIONS (SAGINAW COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
SAGINAW	0	131,183	0
<b>TOTALS</b>	<b>0</b>	<b>131,183</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	8,660	8,022	480
BENZIE	2,512	170	821
GRAND TRAVERSE	160,263	12,350	10,335
KALKASKA	128	891	334
LEELANAU	48,382	102	6,025
MANISTEE	99	153	8
<b>TOTALS</b>	<b>220,044</b>	<b>21,688</b>	<b>18,003</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	20	0	0
BARRY	2,648	0	0
CALHOUN	199	0	0
CLINTON	30,338	0	0
EATON	337,860	0	0
GENESEE	43	0	0
GRATIOT	398	0	0
INGHAM	128,627	0	0
IONIA	51,689	0	0
ISABELLA	4,280	0	0
KALAMAZOO	12	0	0
LIVINGSTON	380	0	0
MONTCALM	313	0	0
OAKLAND	11	0	0
SHIAWASSEE	194	0	0
WASHTENAW	161	0	0
<b>TOTALS</b>	<b>557,173</b>	<b>0</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	14	0	0
BARRY	172	0	0
CALHOUN	120	0	0
CLINTON	76,762	0	0
EATON	52,945	0	0
GENESEE	182	0	0
GRATIOT	2,933	0	0
HILLSDALE	21	0	0
INGHAM	658,500	0	0
IONIA	311,269	0	0
ISABELLA	2,069	0	0
JACKSON	93	0	0
KALAMAZOO	156	0	0
LENAWEE	22	0	0
LIVINGSTON	25,675	0	0
MONTCALM	9,115	0	0
OAKLAND	97	0	0
OTTAWA	46	0	0
SAGINAW	42	0	0
SHIAWASSEE	14,137	0	0
VAN BUREN	92	0	0
WASHTENAW	4,976	0	0
WAYNE	126	0	0
<b>TOTALS</b>	<b>1,159,564</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	8,495	0
<b>TOTALS</b>	<b>0</b>	<b>8,495</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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>
SCHOOLCRAFT	13,020	6,974	6,211
<b>TOTALS</b>	<b>13,020</b>	<b>6,974</b>	<b>6,211</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	30	0
<b>TOTALS</b>	<b>0</b>	<b>30</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	46,301	0
<b>TOTALS</b>	<b>0</b>	<b>46,301</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	13,049	24,118	0
GOGEBIC	29,826	157	0
HOUGHTON	64,755	292	0
IRON	13,616	124	0
KEWEENAW	3,695	0	0
ONTONAGON	15,830	16	0
WISCONSIN	58,293	85	0
<b>TOTALS</b>	<b>199,064</b>	<b>24,792</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	18,514	0
<b>TOTALS</b>	<b>0</b>	<b>18,514</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	235,937	0
<b>TOTALS</b>	<b>0</b>	<b>235,937</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	240
CALHOUN	0	0	2,486
EATON	0	0	1,886
HILLSDALE	0	12,960	5,918
INDIANA	0	1,222	0
INGHAM	0	0	2,479
JACKSON	0	114,940	41,782
LENAWEE	0	0	6,067
LIVINGSTON	0	0	139
OHIO	0	53,045	0
WASHTENAW	0	1,160	5,246
WAYNE	0	42,944	0
<b>TOTALS</b>	<b>0</b>	<b>226,271</b>	<b>66,243</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	13,026	360	70
GRAND TRAVERSE	6,542	46,855	3
LAKE	6,061	0	142
MANISTEE	42,819	340,142	8,288
MASON	57,174	5,709	1,382
WEXFORD	217	0	0
<b>TOTALS</b>	<b>125,839</b>	<b>393,066</b>	<b>9,885</b>

<b>MANISTIQUE PAPERS INC (SCHOOLCRAFT COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
SCHOOLCRAFT	0	135,925	0
<b>TOTALS</b>	<b>0</b>	<b>135,925</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	153,928	0	0
<b>TOTALS</b>	<b>153,928</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>
LENAWEE	0	0	56
MONROE	0	0	669
OAKLAND	0	0	400
WASHTENAW	0	0	278
WAYNE	0	0	19,590
<b>TOTALS</b>	<b>0</b>	<b>0</b>	<b>20,993</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	85,343	9,911	32,907
<b>TOTALS</b>	<b>85,343</b>	<b>9,911</b>	<b>32,907</b>

<b>MICHIGAN ENVIRONS INC (MENOMINEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DICKINSON	0	6,283	0
MENOMINEE	32,010	41,634	2,214
WISCONSIN	138,836	86,874	928
<b>TOTALS</b>	<b>170,846</b>	<b>134,791</b>	<b>3,142</b>

<b>MONROE POWER PLANT (MONROE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MONROE	0	315,606	0
<b>TOTALS</b>	<b>0</b>	<b>315,606</b>	<b>0</b>

<b>MONTMORENCY-OSCODA-ALPENA SWMA (MONTMORENCY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALCONA	235	23	191
ALPENA	71,981	24,417	5,686
CHEBOYGAN	3,335	0	0
CRAWFORD	0	7	0
MONTMORENCY	24,167	14,502	1,650
OGEMAW	10	0	0
OSCODA	16,934	1,421	1,999
OTSEGO	11,954	115	276
PRESQUE ISLE	13,653	937	303
<b>TOTALS</b>	<b>142,269</b>	<b>41,422</b>	<b>10,105</b>



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	49	4,950	0
ANTRIM	0	0	3
ARENAC	3,436	180	3
BAY	0	40	20
CHARLEVOIX	0	20	9
CLARE	48,514	1,779	16,148
EMMET	0	1	0
GLADWIN	22,501	2,665	3,780
GRATIOT	17,696	4,585	2,098
IOSCO	0	60	5
ISABELLA	69,590	5,909	10,273
KALKASKA	0	0	63
LAKE	253	1	261
MECOSTA	11,327	36	1,849
MISSAUKEE	6,795	7,720	343
MONTCALM	22	0	0
OGEMAW	7,884	110	135
OSCEOLA	19,638	7,100	2,721
ROSCOMMON	34,042	393	4,223
<b>TOTALS</b>	<b>241,747</b>	<b>35,549</b>	<b>41,934</b>

<b>OAKLAND HEIGHTS DEVELOPMENT INC (OAKLAND COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
GENESEE	0	7	0
MACOMB	99,279	2,195	257
OAKLAND	401,341	3,121	156,726
WASHTENAW	0	296	0
WAYNE	255	1,083	9,812
<b>TOTALS</b>	<b>500,875</b>	<b>6,702</b>	<b>166,795</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	2,875	0	0
BERRIEN	150,281	0	0
CALHOUN	10	0	0
CASS	15,493	0	0
INDIANA	88	0	0
KALAMAZOO	224,940	0	0
OTTAWA	35	0	0
ST JOSEPH	781	0	0
VAN BUREN	94,342	0	0
<b>TOTALS</b>	<b>488,845</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	408	6,627	291
BARRY	0	1,232	37
BERRIEN	0	5,185	0
KALAMAZOO	0	1,838	47
KENT	107,157	109,431	25,772
MASON	42	14,078	0
MONTCALM	260	98	93
MUSKEGON	214,679	281,053	15,016
NEWAYGO	118	46	102
OCEANA	41,851	1,714	942
OTTAWA	171,422	91,764	19,879
<b>TOTALS</b>	<b>535,937</b>	<b>513,066</b>	<b>62,179</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	110,795	26,810	582
CLINTON	8	0	0
GENESEE	19,591	1,483	13
GRATIOT	7,327	40	75
SAGINAW	294,162	33,571	11,861
TUSCOLA	11,857	1,413	127
<b>TOTALS</b>	<b>443,740</b>	<b>63,317</b>	<b>12,658</b>

<b>PINE TREE ACRES INC (MACOMB COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	3,473,301	803	167
LAPEER	1,094	1,763	15
MACOMB	657,063	123,185	22,617
OAKLAND	4,100	7,245	34
SAINT CLAIR	0	4,277	0
WASHTENAW	116	624	52
WAYNE	11,879	332,387	2,099
<b>TOTALS</b>	<b>4,147,553</b>	<b>470,284</b>	<b>24,984</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	1,452
BARRY	6	0	561
CALHOUN	0	0	1,617
CLINTON	15	0	582
EATON	0	0	945
INGHAM	6	0	438
IONIA	2,646	5,850	25,260
ISABELLA	9,966	0	39
KALAMAZOO	0	0	981
KENT	2,004	75	123,717
MECOSTA	11,187	0	9,498
MONTCALM	20,235	0	16,455
MUSKEGON	3	0	141
OCEANA	0	0	3
OTTAWA	0	0	801
ST JOSEPH	0	0	9
<b>TOTALS</b>	<b>46,068</b>	<b>5,925</b>	<b>182,499</b>

<b>RICHFIELD LANDFILL INC (GENESEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	56,188	0	0
GENESEE	283,565	0	0
LAPEER	94,845	0	0
LIVINGSTON	475	0	0
OAKLAND	257,796	0	0
SAGINAW	1,344	0	0
SANILAC	22,625	0	0
SHIAWASSEE	323	0	0
TUSCOLA	9,782	0	0
WAYNE	19,006	0	0
<b>TOTALS</b>	<b>745,949</b>	<b>0</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>RIVERVIEW LAND PRESERVE (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	301,296	0	7,929
GENESEE	134	0	12
LENAWEE	0	491	0
MACOMB	73,998	23,092	596
MONROE	204,101	22,111	5,282
OAKLAND	5,014	12,644	104
SHIAWASSEE	3	0	0
SOUTH CAROLINA	0	72	0
WASHTENAW	13	84	0
WAYNE	651,056	709,996	613,257
<b>TOTALS</b>	<b>1,235,615</b>	<b>768,490</b>	<b>627,180</b>

<b>SAUK TRAIL HILLS LANDFILL (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	0	15,711	0
GENESEE	0	7	0
INDIANA	0	10	42
JACKSON	0	300	13
LENAWEE	251	179	0
LIVINGSTON	0	648	0
MACOMB	0	5,831	447
MONROE	12	62,598	2,051
NEW YORK	0	27	0
OAKLAND	3,599	15,890	795
OHIO	0	688	0
SAINT CLAIR	0	0	377
WASHTENAW	8,646	7,498	6,876
WAYNE	872,289	222,920	425,628
<b>TOTALS</b>	<b>884,797</b>	<b>332,307</b>	<b>436,229</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>SMITHS CREEK LANDFILL (SAINT CLAIR COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
SAINT CLAIR	342,621	47,265	116,307
<b>TOTALS</b>	<b>342,621</b>	<b>47,265</b>	<b>116,307</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	270	0
<b>TOTALS</b>	<b>0</b>	<b>270</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	8,879	0	0
KENT	629,440	0	0
<b>TOTALS</b>	<b>638,319</b>	<b>0</b>	<b>0</b>

<b>SOUTHEAST BERRIEN COUNTY LANDFILL (BERRIEN COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	11,050	0	0
BERRIEN	288,924	13,594	6,227
CASS	33,398	29,043	1,467
INDIANA	117,518	17,198	11,604
KALAMAZOO	40	0	0
OTTAWA	1,652	0	0
ST JOSEPH	17,720	15,520	20
VAN BUREN	84	0	0
<b>TOTALS</b>	<b>470,386</b>	<b>75,355</b>	<b>19,318</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>SPARTA FOUNDRY WASTE FACILITY (KENT COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
KENT	0	10,545	0
<b>TOTALS</b>	<b>0</b>	<b>10,545</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	29,452	0
<b>TOTALS</b>	<b>0</b>	<b>29,452</b>	<b>0</b>

<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	16,419	15,175	105
LAPEER	32,429	1,964	196
OAKLAND	0	30	0
SANILAC	53,564	14,499	5,235
TUSCOLA	10,879	14,248	22
<b>TOTALS</b>	<b>113,291</b>	<b>45,916</b>	<b>5,558</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>VENICE PARK RECYCLING &amp; DISPOSAL FACIL (SHIAWASSEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CLINTON	20,280	2,093	46
EATON	1,766	610	3
GENESEE	268,751	31,271	644
GRATIOT	2,249	20	20
INGHAM	65,587	2,496	42
IONIA	144	74	0
LAPEER	8,805	1,401	0
LIVINGSTON	68,195	4,699	277
MACOMB	61	0	0
MONTCALM	4,173	0	0
OAKLAND	4,125	112,302	0
OHIO	0	80	0
OSCEOLA	1	0	0
SAGINAW	9,647	70	117
SHIAWASSEE	0	114,016	4,669
WASHTENAW	0	100	0
WAYNE	0	6,085	39
<b>TOTALS</b>	<b>453,784</b>	<b>275,317</b>	<b>5,857</b>



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (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	17	930	10,615
GENESEE	40	263	75
INGHAM	144	6,541	1,116
LIVINGSTON	112,087	5,408	5,866
MACOMB	261,359	27,965	296,734
MONROE	310	45	770
OAKLAND	1,478,520	41,546	113,915
OHIO	0	0	140
WASHTENAW	164,221	86,704	77,443
WAYNE	816,105	574,831	570,397
<b>TOTALS</b>	<b>2,832,803</b>	<b>744,233</b>	<b>1,077,071</b>

<b>VERSO PAPER CORP (DICKINSON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DICKINSON	0	142,467	0
<b>TOTALS</b>	<b>0</b>	<b>142,467</b>	<b>0</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>
KENT	26	0	0
LENAWEE	74	0	0
MONROE	106,773	21,835	293
OHIO	403,282	615,853	913
PENNSYLVANIA	0	17,120	0
WASHTENAW	1,447	45	0
WAYNE	0	29,039	169
<b>TOTALS</b>	<b>511,602</b>	<b>683,892</b>	<b>1,375</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<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	75,344	0
<b>TOTALS</b>	<b>0</b>	<b>75,344</b>	<b>0</b>

<b>WEADOCK COMPLEX (BAY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BAY	0	16,564	0
<b>TOTALS</b>	<b>0</b>	<b>16,564</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	227	120	0
BARRY	48	0	0
BERRIEN	21,250	145	2,860
BRANCH	16,511	631	0
CALHOUN	109,930	39,018	201
CASS	22,777	9,548	1,771
EATON	15	0	0
HILLSDALE	0	71	0
INDIANA	1,615	128,077	43
KALAMAZOO	161,543	145,272	13,583
OTTAWA	22	0	0
ST JOSEPH	119,537	95,550	3,722
VAN BUREN	17,228	7,779	0
<b>TOTALS</b>	<b>470,703</b>	<b>426,211</b>	<b>22,180</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>WEXFORD COUNTY LANDFILL, LLC (WEXFORD COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
GRAND TRAVERSE	1,116	0	5
KALKASKA	18,377	0	0
MISSAUKEE	28,143	0	2,488
WEXFORD	64,590	17,371	11,589
<b>TOTALS</b>	<b>112,226</b>	<b>17,371</b>	<b>14,082</b>

<b>WHITEFEATHER LANDFILL (BAY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALCONA	29	8,286	1,275
ANTRIM	33	0	0
ARENAC	21,179	876	7,151
BAY	118,393	15,288	22,437
CHARLEVOIX	203	0	0
CLARE	7,172	0	522
GENESEE	39	0	0
GLADWIN	24,496	47	2,702
GRAND TRAVERSE	8,900	0	100
IOSCO	36,121	885	8,170
ISABELLA	4,092	9,431	5,995
KALKASKA	23,430	1,727	157
MIDLAND	75	920	85
OGEMAW	13,695	412	4,963
ROSCOMMON	15,210	0	1,606
SAGINAW	55,162	904	6,206
TUSCOLA	6	415	7
<b>TOTALS</b>	<b>328,235</b>	<b>39,191</b>	<b>61,376</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2011**  
 (All Values are in Cubic Yards)

<b>WOOD ISLAND WASTE MANAGEMENT INC (ALGER COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALGER	13,455	12,857	0
CHIPPEWA	412	0	0
DELTA	3,988	0	0
DICKINSON	84,836	7,699	0
HOUGHTON	1,817	0	0
IRON	0	58	0
LUCE	2,295	0	0
MARQUETTE	135	0	0
SCHOOLCRAFT	0	665	0
WISCONSIN	3,293	0	0
<b>TOTALS</b>	<b>110,231</b>	<b>21,279</b>	<b>0</b>

<b>WOODLAND MEADOWS RDF-VAN BUREN (WAYNE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	34,923	3,960	852
GENESEE	0	145	0
LENAWEE	42	1,425	0
LIVINGSTON	65,454	214	135
MACOMB	0	315	1,559
MONROE	23,316	2,144	66
OAKLAND	173,677	17,793	7,618
OHIO	70	0	0
WASHTENAW	468,599	33,746	5,008
WAYNE	1,481,659	858,765	152,577
<b>TOTALS</b>	<b>2,247,740</b>	<b>918,507</b>	<b>167,815</b>