



# REPORT OF SOLID WASTE LANDFILLED IN MICHIGAN

October 1, 2011 - September 30, 2012

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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, 2011 - September 30, 2012, and is the seventeenth 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 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) sludges 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). 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 44,308,076 cubic yards, a decrease of 1,419,925 cubic yards or about 3.1 percent less than the fiscal year (FY) 2011 report data. Waste generated in Michigan decreased from 35,857,919 cubic yards in the previous reporting period to 34,630,419 cubic yards, a decrease of about 3.4 percent. Total imports of waste into Michigan landfills decreased from the previous reporting period from 9,870,082 cubic yards to 9,677,657 cubic yards, a decrease of about 1.9 percent. The largest source of waste imports to Michigan continues to be from Canada, with total reported imports to landfills of 6,764,907 cubic yards, down 218,220 cubic yards or about 3.1 percent from the FY 2011 report data. Canadian waste imports equal about 15.3 percent of all waste disposed in Michigan landfills. Waste imported from other states and Canada totaled about 21.8 percent of all solid waste disposed in Michigan landfills. Imported waste comprised 21.6 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 2,912,750 cubic yards from 2,886,955 cubic yards, an increase of about 0.9 percent. This information is presented in Tables 1 and 2 and Figures 1 and 2 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 of the 12 cents per cubic yard surcharge. For FY 2012 that amount was 42,740,605 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(5) 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 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	34,802,866	8,757,014	2,563,056	46,122,936
FY 2011	35,857,919	6,983,127	2,886,955	45,728,001
FY 2012	34,630,419 <sup>4</sup>	6,764,907 <sup>5</sup>	2,912,750 <sup>6</sup>	44,308,076 <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 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%
FY 2012	78.2%	15.3%	6.6%

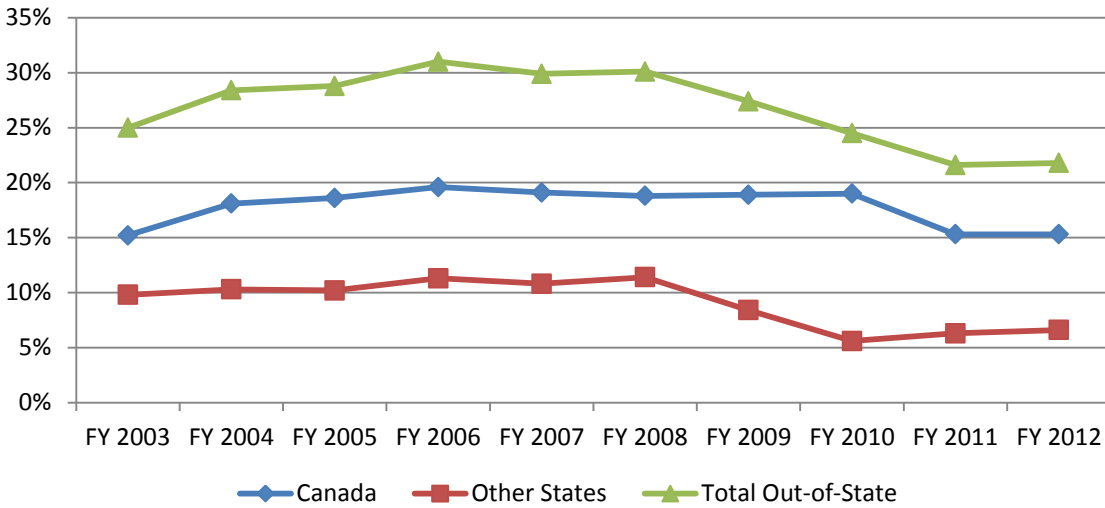
<sup>4</sup> MICHIGAN WASTE: 11,543,470 tons

<sup>5</sup> CANADIAN WASTE: 2,254,969 tons

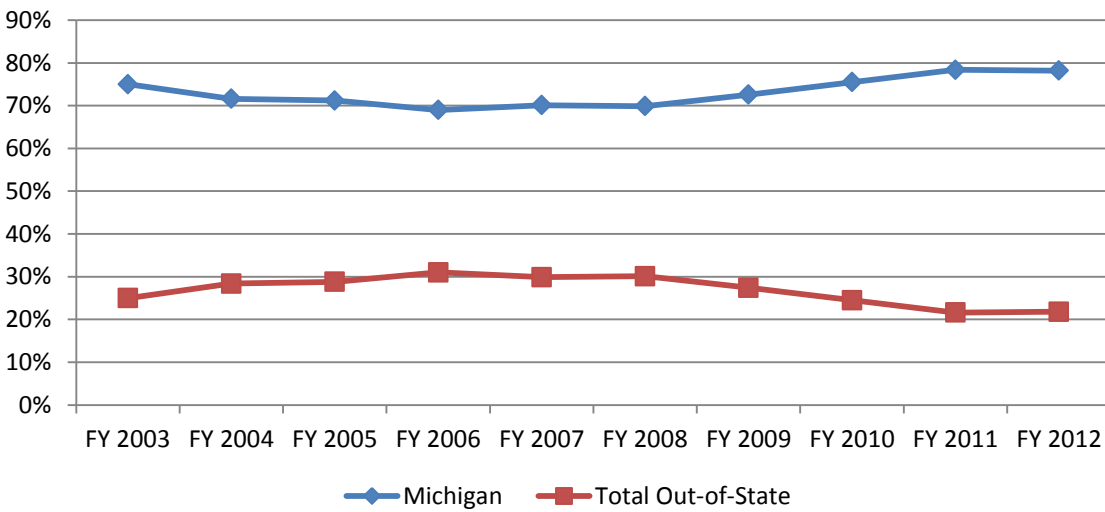
<sup>6</sup> OTHER STATES WASTE: 970,917 tons

<sup>7</sup> TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS: 14,769,360 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	21,194,251	7,363,648	28,557,899
MCW – MSW* INCINERATOR ASH	231,466	967	232,433
<b>SUBTOTAL MCW</b>	21,425,717	7,364,615	28,790,332
IW	7,456,189	1,933,633	9,389,822
IW – SEGREGATED	1,097,938	0	1,097,938
IW – SEGREGATED MIXED	348,683	0	348,683
<b>SUBTOTAL IW</b>	8,902,810	1,933,633	10,836,443
C&D	4,301,892	379,409	4,681,301
<b>GRAND TOTAL</b>	34,630,419	9,677,657	44,308,076

\*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” category is other material that is approved by the DEQ for use as alternative daily cover at an operating landfill. The “IW – Other” category 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	3,878,667	586,470	4,465,137
IW - Alternative Daily Cover	879,132	609,417	1,488,549
IW - Other	1,489,537	430,388	1,919,925
IW - Coal Ash	1,158,875	45,365	1,204,240
IW - Other Sludges	119,704	208,491	328,195
IW - Cement Kiln Dust	310,587	989	311,576
IW - Wood Ash	133,793	406	134,199
IW - Wastewater Sludges	540,123	388	540,511
IW - Foundry Sand	342,690	47,703	390,393
IW - Wood/Paper Sludges	49,702	4,016	53,718
<b>GRAND TOTAL</b>	<b>8,902,810</b>	<b>1,933,633</b>	<b>10,836,443</b>

## WASTE IMPORTS

Based on the reported information for FY 2012, 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 2012 (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	6,042,434	357,500	364,973	6,764,907
CONNECTICUT	0	890	0	890
FLORIDA	9	4,770	0	4,779
ILLINOIS	37,100	1,320	0	38,420
INDIANA	753,810	101,148	10,410	865,368
MARYLAND	9	21,320	85	21,414
MASSACHUSETTS	0	0	113	113
NEW HAMPSHIRE	0	0	508	508
NEW JERSEY	0	29,275	0	29,275
NEW YORK	0	116,913	0	116,913
OHIO	342,152	1,084,122	2,377	1,428,651
PENNSYLVANIA	0	100,602	0	100,602
WASHINGTON	0	15,611	0	15,611
WISCONSIN	189,101	100,162	943	290,206

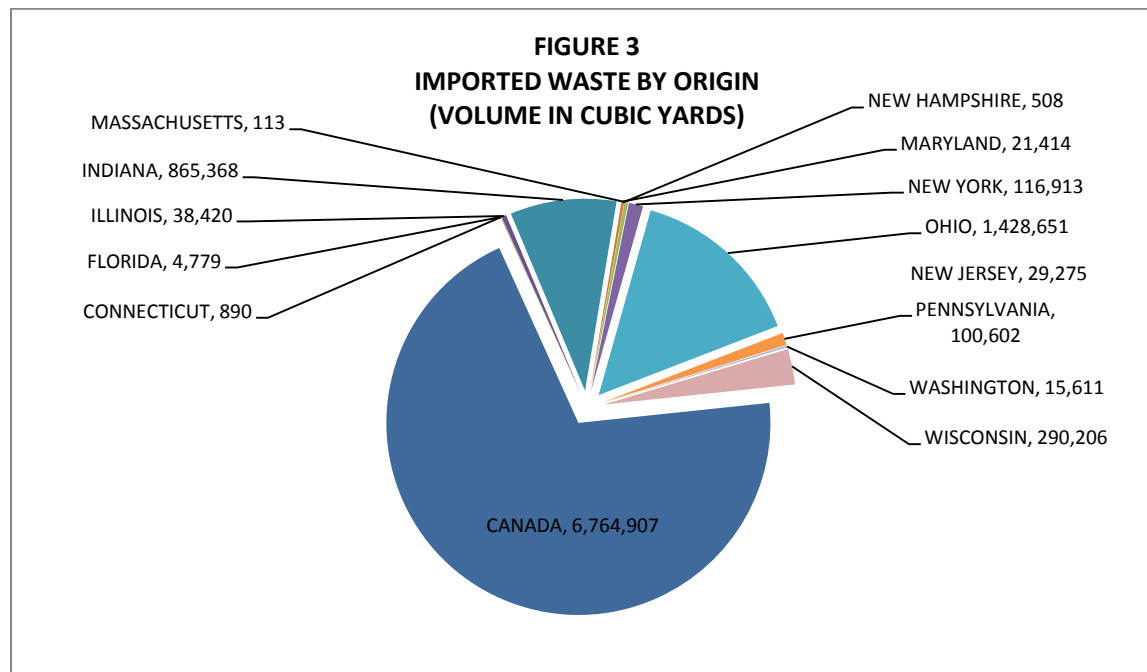


Table 5 shows the total amount of waste imported into each county from all out-of-state sources.

COUNTY	WASTE ORIGIN	WASTE VOLUME
ALGER	WISCONSIN	3,536
BERRIEN	ILLINOIS	38,420
BERRIEN	INDIANA	807,300
CHIPPEWA	CANADA	14,682
GENESEE	CANADA	2,077,440
GENESEE	OHIO	20,590
HURON	CANADA	3,512
JACKSON	OHIO	72,124
LENAWEE	CONNECTICUT	730
LENAWEE	MARYLAND	9,030
LENAWEE	NEW JERSEY	11,195
LENAWEE	OHIO	11,412
MACOMB	CANADA	3,466,060
MENOMINEE	WISCONSIN	229,222
MONROE	OHIO	1,083,606
MONROE	PENNSYLVANIA	26,190
MUSKEGON	NEW HAMPSHIRE	508

**TABLE 5**  
**IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2012**  
**(Volume in Cubic Yards)**

COUNTY	WASTE ORIGIN	WASTE VOLUME
ONTONAGON	WISCONSIN	57,448
ST JOSEPH	INDIANA	58,068
WASHTENAW	CANADA	2,700
WASHTENAW	OHIO	15
WAYNE	CANADA	1,200,513
WAYNE	CONNECTICUT	160
WAYNE	FLORIDA	4,779
WAYNE	MARYLAND	12,384
WAYNE	MASSACHUSETTS	113
WAYNE	NEW JERSEY	18,080
WAYNE	NEW YORK	116,913
WAYNE	OHIO	240,904
WAYNE	PENNSYLVANIA	74,412
WAYNE	WASHINGTON	15,611

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

<b>TABLE 6</b>	
<b>TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2012</b>	
<b>(Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>WASTE VOLUME</b>
ALCONA	17,008
ALGER	28,683
ALLEGAN	255,527
ALPENA	358,767
ANTRIM	23,951
ARENAC	32,303
BARAGA	34,916
BARRY	65,957
BAY	370,162
BENZIE	24,980
BERRIEN	804,687
BRANCH	138,068
CALHOUN	447,359
CASS	96,644
CHARLEVOIX	104,106
CHEBOYGAN	74,256
CHIPPEWA	93,532
CLARE	78,759
CLINTON	135,554
CRAWFORD	45,559
DELTA	163,670
DICKINSON	229,027
EATON	445,328
EMMET	93,971
GENESEE	1,367,294
GLADWIN	53,921
GOGEBIC	35,906
GRAND TRAVERSE	219,917
GRATIOT	85,677
HILLSDALE	77,011
HOUGHTON	72,560
HURON	202,588
INGHAM	1,201,382

**TABLE 6**  
**TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2012**  
**(Volume in Cubic Yards)**

COUNTY	WASTE VOLUME
IONIA	109,708
IOSCO	123,074
IRON	12,896
ISABELLA	127,691
JACKSON	241,174
KALAMAZOO	1,123,797
KALKASKA	151,544
KENT	1,567,922
KEWEENAW	2,923
LAKE	7,027
LAPEER	174,722
LEELANAU	42,662
LENAWEE	203,214
LIVINGSTON	340,964
LUCE	12,121
MACKINAC	24,799
MACOMB	1,817,012
MANISTEE	326,485
MARQUETTE	276,129
MASON	79,553
MECOSTA	82,736
MENOMINEE	81,480
MIDLAND	404,245
MISSAUKEE	55,631
MONROE	1,013,697
MONTCALM	108,890
MONTMORENCY	36,210
MUSKEGON	617,071
NEWAYGO	68,366
OAKLAND	3,542,323
OCEANA	42,990
OGEMAW	30,512
ONTONAGON	13,367
OSCEOLA	42,351
OSCODA	18,743
OTSEGO	99,956
OTTAWA	802,235

<b>TABLE 6 TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2012 (Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>WASTE VOLUME</b>
PRESQUE ISLE	28,769
ROSCOMMON	63,031
SAGINAW	760,473
SANILAC	103,498
SCHOOLCRAFT	171,743
SHIAWASSEE	157,845
ST CLAIR	927,850
ST JOSEPH	207,687
TUSCOLA	101,068
VAN BUREN	194,251
WASHTENAW	1,021,068
WAYNE	9,468,799
WEXFORD	119,087

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 2012 (Volume in Cubic Yards)</b>	
<b>COUNTY</b>	<b>TOTAL WASTE VOLUME</b>
ALGER	138,672
ALPENA	271,527
BARRY	119,935
BAY	410,879
BERRIEN	2,096,418
CALHOUN	1,167,483
CHARLEVOIX	26,055
CHIPPEWA	140,718
CLARE	341,473
CLINTON	1,544,341
CRAWFORD	298,146
DELTA	176,127

**TABLE 6A**  
**TOTAL WASTE DISPOSED BY COUNTY - FY 2012**  
**(Volume in Cubic Yards)**

COUNTY	TOTAL WASTE VOLUME
DICKINSON	122,622
GENESEE	3,954,355
HURON	244,933
IONIA	276,188
JACKSON	364,814
KENT	599,091
LEELANAU	135,411
LENAWEE	323,803
MACOMB	4,818,600
MANISTEE	428,170
MARQUETTE	275,132
MENOMINEE	306,163
MIDLAND	415,176
MONROE	1,663,663
MONTCALM	533,425
MONTMORENCY	156,988
MUSKEGON	244,113
OAKLAND	1,498,297
ONTONAGON	225,728
OTTAWA	1,994,131
PRESQUE ISLE	144,400
SAGINAW	663,921
SANILAC	167,476
SCHOOLCRAFT	171,728
SHIAWASSEE	812,719
ST CLAIR	927,745
ST JOSEPH	783,398
WASHTENAW	4,578,334
WAYNE	10,260,443
WEXFORD	485,335



## FACILITY INFORMATION

The total of MCW disposed, total of IW and C&D disposed, and total volume disposed at each of the 70 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	188,555	135,248	323,803
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	526,589	369,043	895,632
BRENT RUN LANDFILL	1,498,529	982,390	2,480,919
C & C EXPANDED SANITARY LANDFILL	754,081	413,402	1,167,483
CARLETON FARMS LANDFILL	1,402,780	1,243,994	2,646,774
CENTRAL SANITARY LANDFILL	490,921	42,504	533,425
CES LANDFILL INC OF HASTINGS	103,984	15,951	119,935
CITIZENS DISPOSAL INC	594,062	330,616	924,678
CITY ENVIRONMENTAL SERVICES INC OF WATERS	199,004	99,142	298,146
CITY OF LIVONIA LANDFILL	0	6,334	6,334
CITY OF MIDLAND SANITARY LANDFILL	190,469	224,707	415,176
CONSUMERS ENERGY CO J H CAMPBELL COMPLEX	0	112,555	112,555
CONSUMERS ENERGY COMPANY DE KARN	0	5,392	5,392
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	167,569	76,544	244,113
COVE LANDFILL	244,933	0	244,933
DAFTER SANITARY LANDFILL	120,519	20,199	140,718
DELTA COUNTY LANDFILL	76,241	23,313	99,554
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	274,769	274,769
DETROIT EDISON CO SIBLEY QUARRY	0	188,752	188,752

**TABLE 7  
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2012  
(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	588,001	172,408	760,409
EDWARD C LEVY CO LANDFILL	0	348,153	348,153
ELK RUN LANDFILL	119,491	24,909	144,400
ESCANABA PAPER COMPANY	0	76,573	76,573
FOREST LAWN LANDFILL INC	962,419	37,166	999,585
GENERAL MOTORS LLC - SAGINAW METAL CASTING OPERATIONS	0	114,516	114,516
GLENS SANITARY LANDFILL	90,589	44,822	135,411
GRANGER GRAND RIVER LANDFILL	370,451	0	370,451
GRANGER WOOD STREET LANDFILL	1,173,890	0	1,173,890
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	10,539	10,539
HIAWATHA SHORES LANDFILL INC	12,483	9,757	22,240
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	153	153
J R WHITING ELECTRIC GENERATING STATION	0	28,426	28,426
K & W LANDFILL	190,338	35,390	225,728
LAFARGE MIDWEST INC	0	271,527	271,527
LIBERTY ENVIRONMENTALISTS LANDFILL	0	218,866	218,866
MANISTEE COUNTY LANDFILL INC	183,531	244,639	428,170
MANISTIQUE PAPERS LANDFILL	0	149,488	149,488
MARQUETTE COUNTY LANDFILL	250,418	0	250,418
MATLIN ROAD LANDFILL	30,696	0	30,696
MCGILL ROAD LANDFILL	100,549	45,399	145,948
MICHIGAN ENVIRONS INC	155,823	139,801	295,624
MONROE POWER PLANT	0	331,510	331,510
MONTMORENCY-OSCODA-ALPENA SWMA	110,866	46,122	156,988
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	239,777	101,696	341,473
OAKLAND HEIGHTS DEVELOPMENT INC	495,293	242,595	737,888

**TABLE 7  
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2012  
(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>
ORCHARD HILL SANITARY LANDFILL	486,541	0	486,541
OTTAWA COUNTY FARMS LANDFILL	530,150	455,641	985,791
PEOPLES LANDFILL INC	442,708	106,697	549,405
PINE TREE ACRES INC	4,245,928	572,672	4,818,600
PITSCH SANITARY LANDFILL	51,050	225,138	276,188
RICHFIELD LANDFILL INC	548,758	0	548,758
RIVERVIEW LAND PRESERVE	1,229,533	862,720	2,092,253
SAUK TRAIL HILLS LANDFILL	771,090	692,749	1,463,839
SMITHS CREEK LANDFILL	495,877	157,099	652,976
SOUTH KENT LANDFILL	591,265	0	591,265
SOUTHEAST BERRIEN COUNTY LANDFILL	505,813	104,479	610,292
SPARTA FOUNDRY WASTE FACILITY	0	7,826	7,826
ST MARYS CEMENT INC	0	26,055	26,055
TRI-CITY RECYCLING AND DISPOSAL FACILITY	124,751	42,725	167,476
VENICE PARK RECYCLING & DISPOSAL FACIL	514,115	298,604	812,719
VEOLIA ES ARBOR HILLS LANDFILL INC	2,913,532	1,664,802	4,578,334
VERSO PAPER CORP	0	122,622	122,622
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	416,478	856,553	1,273,031
WE ENERGIES PRESQUE ISLE POWER PLANT	0	24,714	24,714
WEADOCK COMPLEX	0	4,472	4,472
WESTSIDE RECYCLING & DISPOSAL FACILITY	445,408	337,990	783,398
WEXFORD COUNTY LANDFILL, LLC	388,294	97,041	485,335
WHITEFEATHER LANDFILL	295,210	105,805	401,015
WOOD ISLAND WASTE MANAGEMENT INC	118,749	19,923	138,672
WOODLAND MEADOWS RDF- VAN BUREN	2,042,231	1,472,107	3,514,338

**TABLE 8  
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2012  
(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	4,245,928	572,672	4,818,600
VEOLIA ES ARBOR HILLS LANDFILL INC	2,913,532	1,664,802	4,578,334
WOODLAND MEADOWS RDF- VAN BUREN	2,042,231	1,472,107	3,514,338
BRENT RUN LANDFILL	1,498,529	982,390	2,480,919
CARLETON FARMS LANDFILL	1,402,780	1,243,994	2,646,774
RIVERVIEW LAND PRESERVE	1,229,533	862,720	2,092,253
GRANGER WOOD STREET LANDFILL	1,173,890	0	1,173,890
FOREST LAWN LANDFILL INC	962,419	37,166	999,585
SAUK TRAIL HILLS LANDFILL	771,090	692,749	1,463,839
C & C EXPANDED SANITARY LANDFILL	754,081	413,402	1,167,483
CITIZENS DISPOSAL INC	594,062	330,616	924,678
SOUTH KENT LANDFILL	591,265	0	591,265
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	588,001	172,408	760,409
RICHFIELD LANDFILL INC	548,758	0	548,758
OTTAWA COUNTY FARMS LANDFILL	530,150	455,641	985,791
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	526,589	369,043	895,632
VENICE PARK RECYCLING & DISPOSAL FACIL	514,115	298,604	812,719
SOUTHEAST BERRIEN COUNTY LANDFILL	505,813	104,479	610,292
SMITHS CREEK LANDFILL	495,877	157,099	652,976
OAKLAND HEIGHTS DEVELOPMENT INC	495,293	242,595	737,888
CENTRAL SANITARY LANDFILL	490,921	42,504	533,425
ORCHARD HILL SANITARY LANDFILL	486,541	0	486,541
WESTSIDE RECYCLING & DISPOSAL FACILITY	445,408	337,990	783,398
PEOPLES LANDFILL INC	442,708	106,697	549,405
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	416,478	856,553	1,273,031
WEXFORD COUNTY LANDFILL, LLC	388,294	97,041	485,335

**TABLE 8  
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2012  
(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>
GRANGER GRAND RIVER LANDFILL	370,451	0	370,451
WHITEFEATHER LANDFILL	295,210	105,805	401,015
MARQUETTE COUNTY LANDFILL	250,418	0	250,418
COVE LANDFILL	244,933	0	244,933
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	239,777	101,696	341,473
CITY ENVIRONMENTAL SERVICES INC OF WATERS	199,004	99,142	298,146
CITY OF MIDLAND SANITARY LANDFILL	190,469	224,707	415,176
K & W LANDFILL	190,338	35,390	225,728
ADRIAN LANDFILL INC	188,555	135,248	323,803
MANISTEE COUNTY LANDFILL INC	183,531	244,639	428,170
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	167,569	76,544	244,113
MICHIGAN ENVIRONS INC	155,823	139,801	295,624
TRI-CITY RECYCLING AND DISPOSAL FACILITY	124,751	42,725	167,476
DAFTER SANITARY LANDFILL	120,519	20,199	140,718
ELK RUN LANDFILL	119,491	24,909	144,400
WOOD ISLAND WASTE MANAGEMENT INC	118,749	19,923	138,672
MONTMORENCY-OSCODA- ALPENA SWMA	110,866	46,122	156,988
CES LANDFILL INC OF HASTINGS	103,984	15,951	119,935
MCGILL ROAD LANDFILL	100,549	45,399	145,948
GLENS SANITARY LANDFILL	90,589	44,822	135,411
DELTA COUNTY LANDFILL	76,241	23,313	99,554
PITSCH SANITARY LANDFILL	51,050	225,138	276,188
MATLIN ROAD LANDFILL	30,696	0	30,696
HIAWATHA SHORES LANDFILL INC	12,483	9,757	22,240

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2012  
(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	2,913,532	1,664,802	4,578,334
WOODLAND MEADOWS RDF- VAN BUREN	2,042,231	1,472,107	3,514,338
CARLETON FARMS LANDFILL	1,402,780	1,243,994	2,646,774
BRENT RUN LANDFILL	1,498,529	982,390	2,480,919
RIVERVIEW LAND PRESERVE	1,229,533	862,720	2,092,253
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	416,478	856,553	1,273,031
SAUK TRAIL HILLS LANDFILL	771,090	692,749	1,463,839
PINE TREE ACRES INC	4,245,928	572,672	4,818,600
OTTAWA COUNTY FARMS LANDFILL	530,150	455,641	985,791
C & C EXPANDED SANITARY LANDFILL	754,081	413,402	1,167,483
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	526,589	369,043	895,632
EDWARD C LEVY CO LANDFILL	0	348,153	348,153
WESTSIDE RECYCLING & DISPOSAL FACILITY	445,408	337,990	783,398
MONROE POWER PLANT	0	331,510	331,510
CITIZENS DISPOSAL INC	594,062	330,616	924,678
VENICE PARK RECYCLING & DISPOSAL FACIL	514,115	298,604	812,719
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	274,769	274,769
LAFARGE MIDWEST INC	0	271,527	271,527
MANISTEE COUNTY LANDFILL INC	183,531	244,639	428,170
OAKLAND HEIGHTS DEVELOPMENT INC	495,293	242,595	737,888
PITSCH SANITARY LANDFILL	51,050	225,138	276,188
CITY OF MIDLAND SANITARY LANDFILL	190,469	224,707	415,176
LIBERTY ENVIRONMENTALISTS LANDFILL	0	218,866	218,866
DETROIT EDISON CO SIBLEY QUARRY	0	188,752	188,752
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	588,001	172,408	760,409

**TABLE 9**  
**IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2012**  
**(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	495,877	157,099	652,976
MANISTIQUE PAPERS LANDFILL	0	149,488	149,488
MICHIGAN ENVIRONS INC	155,823	139,801	295,624
ADRIAN LANDFILL INC	188,555	135,248	323,803
VERSO PAPER CORP	0	122,622	122,622
GENERAL MOTORS LLC - SAGINAW METAL CASTING OPERATIONS	0	114,516	114,516
CONSUMERS ENERGY CO J H CAMPBELL COMPLEX	0	112,555	112,555
PEOPLES LANDFILL INC	442,708	106,697	549,405
WHITEFEATHER LANDFILL	295,210	105,805	401,015
SOUTHEAST BERRIEN COUNTY LANDFILL	505,813	104,479	610,292
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	239,777	101,696	341,473
CITY ENVIRONMENTAL SERVICES INC OF WATERS	199,004	99,142	298,146
WEXFORD COUNTY LANDFILL, LLC	388,294	97,041	485,335
ESCANABA PAPER COMPANY	0	76,573	76,573
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	167,569	76,544	244,113
MONTMORENCY-OSCODA- ALPENA SWMA	110,866	46,122	156,988
MCGILL ROAD LANDFILL	100,549	45,399	145,948
GLENS SANITARY LANDFILL	90,589	44,822	135,411
TRI-CITY RECYCLING AND DISPOSAL FACILITY	124,751	42,725	167,476
CENTRAL SANITARY LANDFILL	490,921	42,504	533,425
FOREST LAWN LANDFILL INC	962,419	37,166	999,585
K & W LANDFILL	190,338	35,390	225,728
J R WHITING ELECTRIC GENERATING STATION	0	28,426	28,426
ST MARYS CEMENT INC	0	26,055	26,055
ELK RUN LANDFILL	119,491	24,909	144,400
WE ENERGIES PRESQUE ISLE POWER PLANT	0	24,714	24,714
DELTA COUNTY LANDFILL	76,241	23,313	99,554
DAFTER SANITARY LANDFILL	120,519	20,199	140,718

**TABLE 9**  
**IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2012**  
**(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>
WOOD ISLAND WASTE MANAGEMENT INC	118,749	19,923	138,672
CES LANDFILL INC OF HASTINGS	103,984	15,951	119,935
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	10,539	10,539
HIAWATHA SHORES LANDFILL INC	12,483	9,757	22,240
SPARTA FOUNDRY WASTE FACILITY	0	7,826	7,826
CITY OF LIVONIA LANDFILL	0	6,334	6,334
CONSUMERS ENERGY COMPANY DE KARN	0	5,392	5,392
WEADOCK COMPLEX	0	4,472	4,472
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	153	153



## 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 2012 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 FY 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 2012  
(Volume in Cubic Yards)**

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2012	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
ADRIAN LANDFILL INC	2,470,037	121,653	20	20
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	10,313,805	442,529	33	23
BRENT RUN LANDFILL	3,525,372	552,681	4	6
C & C EXPANDED SANITARY LANDFILL	3,267,160	397,960	8	8
CARLETON FARMS LANDFILL	65,192,172	1,141,977	57	57
CENTRAL SANITARY LANDFILL	10,014,163	196,599	47	51
CES LANDFILL INC OF HASTINGS	2,251,774	65,096	48	35
CITIZENS DISPOSAL INC	7,991,309	457,270	25	17
CITY ENVIRONMENTAL SERVICES INC OF WATERS	15,833,211	149,073	106	106
CITY OF MIDLAND SANITARY LANDFILL	8,004,408	163,761	52	49
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	1,517,372	79,108	11	19
COVE LANDFILL	896,288	81,644	9	11
DAFTER SANITARY LANDFILL	3,681,584	49,906	73	74
DELTA COUNTY LANDFILL	6,144,903	99,555	111	62
DETROIT EDISON CO SIBLEY QUARRY	18,604,670	216,504	99	86
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	1,837,000	292,000	6	6
EDWARD C LEVY CO LANDFILL	485,700	166,900	4	3
ELK RUN LANDFILL	2,222,272	80,933	32	27
FOREST LAWN LANDFILL INC	1,699,858	322,440	5	5
GLENS SANITARY LANDFILL	18,156,665	67,705	150	268
GRANGER GRAND RIVER LANDFILL	5,509,252	185,224	30	30
GRANGER WOOD STREET LANDFILL	20,809,571	586,944	36	35
HIAWATHA SHORES LANDFILL INC	63,170	11,651	6	5
K & W LANDFILL	2,149,646	86,121	25	25
LIBERTY ENVIRONMENTALISTS LANDFILL	194,000	109,000	4	2
MANISTEE COUNTY LANDFILL INC	9,722,937	182,607	51	53
MARQUETTE COUNTY LANDFILL	980,000	20,000	23	11
MATLIN ROAD LANDFILL	620,178	32,856	226	19
MCGILL ROAD LANDFILL	1,097,900	75,900	14	14
MICHIGAN ENVIRONS INC	3,002,461	140,811	21	21

**TABLE 10  
FACILITY CAPACITY AND YEARS REMAINING FOR  
NONCAPTIVE FACILITIES - FY 2012  
(Volume in Cubic Yards)**

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2012	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
MONTMORENCY-OSCODA-ALPENA SWMA	364,215	156,988	3	2
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	7,508,194	170,736	44	44
OAKLAND HEIGHTS DEVELOPMENT INC	3,006,912	311,509	12	10
ORCHARD HILL SANITARY LANDFILL	18,069,435	202,725	89	89
OTTAWA COUNTY FARMS LANDFILL	5,553,958	501,832	11	11
PEOPLES LANDFILL INC	6,800,000	220,000	34	31
PINE TREE ACRES INC	19,660,401	1,637,599	11	12
PITSCH SANITARY LANDFILL	2,540,951	276,188	20	9
RICHFIELD LANDFILL INC	459,841	182,920	2	3
RIVERVIEW LAND PRESERVE	14,295,190	784,166	18	18
SAUK TRAIL HILLS LANDFILL	9,321,530	528,400	18	18
SMITHS CREEK LANDFILL	5,781,293	231,583	25	25
SOUTH KENT LANDFILL	5,820,950	179,807	15	32
SOUTHEAST BERRIEN COUNTY LANDFILL	6,102,672	196,004	31	31
TRI-CITY RECYCLING AND DISPOSAL FACILITY	17,073,380	75,000	227	228
VENICE PARK RECYCLING & DISPOSAL FACIL	9,058,860	150,000	19	60
VEOLIA ES ARBOR HILLS LANDFILL INC	29,140,457	1,738,370	17	17
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	2,920,000	460,800	6	6
WESTSIDE RECYCLING & DISPOSAL FACILITY	37,892,698	486,686	132	78
WEXFORD COUNTY LANDFILL, LLC	20,744,265	338,147	61	61
WHITEFEATHER LANDFILL	2,753,000	121,020	23	23
WOOD ISLAND WASTE MANAGEMENT INC	379,427	138,672	6	3
WOODLAND MEADOWS RDF-VAN BUREN	20,782,000	1,083,000	12	19
<b>TOTAL</b>	<b>474,288,467</b>	<b>16,748,560</b>		

Based on current capacity used for FY 2012 (16,748,560 cubic yards) and total remaining capacity at noncaptive facilities (474,288,467 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 28 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: Carleton Farms Landfill, Forest Lawn Landfill, Manistee County Landfill Inc., Richfield Landfill Inc., Smiths Creek Landfill, Tri-City Recycling and Disposal Facility, and Wexford County Landfill, LLC.

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 2012**  
 (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	730	0
HILLSDALE	43,502	695	152
INGHAM	0	26,488	0
JACKSON	0	890	170
LENAWEE	134,980	30,297	24,215
MARYLAND	0	9,030	0
MONROE	689	1,672	70
NEW JERSEY	0	11,195	0
OAKLAND	0	169	0
OHIO	0	11,412	0
WASHTENAW	9,384	309	490
WAYNE	0	17,264	0
<b>TOTALS</b>	<b>188,555</b>	<b>110,151</b>	<b>25,097</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	69,081	12,315	7,814
BARRY	65	170	233
BERRIEN	0	22,510	0
BRANCH	0	70	0
CALHOUN	11	370	22
CLINTON	0	40	0
EATON	891	0	26
IONIA	14,136	1,090	26
KALAMAZOO	15	42,438	316
KENT	124,490	124,872	10,950
LAKE	0	20	0
MASON	0	3,726	15
MECOSTA	31	32	0
MONTCALM	11,889	13,735	163
MUSKEGON	57,048	21,526	1,257
NEWAYGO	11	80	0
OCEANA	0	210	0
OTTAWA	248,330	70,227	31,777
ST JOSEPH	0	100	0
VAN BUREN	591	2,010	903
<b>TOTALS</b>	<b>526,589</b>	<b>315,541</b>	<b>53,502</b>



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	40,435	0	0
ANTRIM	0	42	0
BAY	2,684	787	25,992
CANADA	1,391,590	203,864	226,728
CLINTON	18	153	371
EATON	81	0	88
GENESEE	24,790	33,375	132,643
GRAND TRAVERSE	0	0	241
GRATIOT	1,075	427	22,976
INGHAM	573	878	5,115
LAPEER	11,306	133	2,819
LENAWEE	0	26	0
LIVINGSTON	145	1,199	1,563
OAKLAND	8,823	78	8,237
OHIO	0	20,590	0
SAGINAW	12,822	26,837	187,738
SANILAC	0	748	103
SHIAWASSEE	2,709	0	10,889
ST JOSEPH	0	5	24
TUSCOLA	1,478	11,257	13,324
WASHTENAW	0	22	102
WAYNE	0	43,016	0
<b>TOTALS</b>	<b>1,498,529</b>	<b>343,437</b>	<b>638,953</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	886	47,165	148
BARRY	18	140	1,407
BERRIEN	26	0	3
BRANCH	63,126	29,692	16,213
CALHOUN	143,114	89,694	98,457
CASS	0	0	35
CLINTON	274	0	193
EATON	70,007	9,126	8,791
HILLSDALE	12,184	964	333
INGHAM	29,013	1,202	19,186
JACKSON	0	5	87
KALAMAZOO	433,823	61,955	25,736
ST JOSEPH	1,589	38	1,141
VAN BUREN	21	1,691	0
<b>TOTALS</b>	<b>754,081</b>	<b>241,672</b>	<b>171,730</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	548,986	127,532	86,302
CONNECTICUT	0	160	0
FLORIDA	9	4,770	0
GENESEE	0	20	0
GRAND TRAVERSE	0	12	0
KALAMAZOO	120	331	0
LENAWEE	2,152	563	27
LIVINGSTON	90	74	18
MACOMB	159	3,390	66
MARYLAND	9	12,290	85
MASSACHUSETTS	0	0	113
MONROE	66,669	20,528	33,565
NEW JERSEY	0	18,080	0
NEW YORK	0	116,883	0
OAKLAND	7,798	435	128
OHIO	9	240,051	0
PENNSYLVANIA	0	74,412	0
VAN BUREN	18	0	30
WASHINGTON	0	15,611	0
WASHTENAW	11,470	0	4,787
WAYNE	765,291	447,748	35,983
<b>TOTALS</b>	<b>1,402,780</b>	<b>1,082,890</b>	<b>161,104</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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>
GRATIOT	10,306	30	0
IONIA	15,157	354	0
ISABELLA	28,108	60	0
KENT	284,955	28,516	1,839
LAKE	0	10	0
MASON	27	0	0
MECOSTA	47,777	3,647	1,775
MONTCALM	34,284	4,595	816
NEWAYGO	66,771	769	0
OSCEOLA	3,536	0	93
<b>TOTALS</b>	<b>490,921</b>	<b>37,981</b>	<b>4,523</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	936	2,010	0
BARRY	44,197	4,527	1,997
BRANCH	0	40	0
CALHOUN	86	737	0
CLINTON	549	0	0
EATON	24,389	270	0
INGHAM	529	40	0
IONIA	26,934	1,956	73
JACKSON	0	20	0
KALAMAZOO	21	1,073	554
KENT	6,332	620	2,014
MONTCALM	11	20	0
<b>TOTALS</b>	<b>103,984</b>	<b>11,313</b>	<b>4,638</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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>
CANADA	185,919	0	49,209
GENESEE	407,919	30,555	219,392
INGHAM	0	1,135	9
LAPEER	0	2,025	455
LENAWEE	0	1	0
LIVINGSTON	20	10,812	438
OAKLAND	204	13,351	562
SAGINAW	0	0	526
SHIAWASSEE	0	2	0
WAYNE	0	2,144	0
<b>TOTALS</b>	<b>594,062</b>	<b>60,025</b>	<b>270,591</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	1	0
ALPENA	0	6,386	0
ANTRIM	3,854	1,493	1,966
CHARLEVOIX	25,103	31,028	162
CHEBOYGAN	21,672	14,170	0
CHIPPEWA	0	4	0
CRAWFORD	23,376	18,355	616
EMMET	0	1,446	929
GRAND TRAVERSE	25	0	0
IOSCO	75,352	60	0
KALKASKA	8,600	14,950	110
MACKINAC	42	20	0
OGEMAW	0	75	0
OSCODA	20	0	0
OTSEGO	34,265	5,963	543
PRESQUE ISLE	1,361	749	0
ROSCOMMON	5,334	1	115
<b>TOTALS</b>	<b>199,004</b>	<b>94,701</b>	<b>4,441</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	6,334	0
<b>TOTALS</b>	<b>0</b>	<b>6,334</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	10,305	0
MIDLAND	190,469	41,091	171,371
SAGINAW	0	1,940	0
<b>TOTALS</b>	<b>190,469</b>	<b>53,336</b>	<b>171,371</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>
MUSKEGON	0	24,645	0
OTTAWA	0	87,910	0
<b>TOTALS</b>	<b>0</b>	<b>112,555</b>	<b>0</b>

<b>CONSUMERS ENERGY COMPANY DE KARN (BAY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BAY	0	5,392	0
<b>TOTALS</b>	<b>0</b>	<b>5,392</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	839	0	80
MUSKEGON	144,978	32,036	43,727
NEW HAMPSHIRE	0	0	508
OCEANA	27	0	155
OTTAWA	21,725	0	38
<b>TOTALS</b>	<b>167,569</b>	<b>32,036</b>	<b>44,508</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (All Values are in Cubic Yards)

<b>COVE LANDFILL (HURON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	3,512	0	0
HURON	172,308	0	0
LAPEER	22,462	0	0
SANILAC	17,026	0	0
TUSCOLA	29,625	0	0
<b>TOTALS</b>	<b>244,933</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	14,682	0	0
CHIPPEWA	73,674	19,028	0
LUCE	10,143	123	0
MACKINAC	22,005	1,048	0
SCHOOLCRAFT	15	0	0
<b>TOTALS</b>	<b>120,519</b>	<b>20,199</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>
BARAGA	0	3,203	0
DELTA	76,241	6,338	0
MENOMINEE	0	13,772	0
<b>TOTALS</b>	<b>76,241</b>	<b>23,313</b>	<b>0</b>



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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>
ST CLAIR	0	274,769	0
<b>TOTALS</b>	<b>0</b>	<b>274,769</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	24,375	0
WAYNE	0	164,377	0
<b>TOTALS</b>	<b>0</b>	<b>188,752</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>
GENESEE	0	1	0
LAPEER	6,243	0	0
MACOMB	103,869	5,982	0
OAKLAND	477,889	123,247	15,413
WAYNE	0	27,765	0
<b>TOTALS</b>	<b>588,001</b>	<b>156,995</b>	<b>15,413</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	348,153	0
<b>TOTALS</b>	<b>0</b>	<b>348,153</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	1,530	0	20
CHARLEVOIX	20	0	550
CHEBOYGAN	25,894	3,930	6,808
EMMET	87,003	130	4,420
KALKASKA	0	0	20
MACKINAC	776	908	0
PRESQUE ISLE	4,268	6,394	1,729
<b>TOTALS</b>	<b>119,491</b>	<b>11,362</b>	<b>13,547</b>

<b>ESCANABA PAPER COMPANY (DELTA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DELTA	0	76,573	0
<b>TOTALS</b>	<b>0</b>	<b>76,573</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>
BERRIEN	186,138	1,203	6,597
CASS	177	0	0
ILLINOIS	32,098	0	0
INDIANA	675,111	21,691	2,466
KALAMAZOO	69	0	0
ST JOSEPH	0	283	0
VAN BUREN	68,826	0	4,926
<b>TOTALS</b>	<b>962,419</b>	<b>23,177</b>	<b>13,989</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (All Values are in Cubic Yards)

<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	114,516	0
<b>TOTALS</b>	<b>0</b>	<b>114,516</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	8,516	490	420
BENZIE	2,368	1,080	1,726
GRAND TRAVERSE	50,558	11,699	15,289
KALKASKA	144	20	239
LEELANAU	28,982	8,233	5,447
MANISTEE	21	162	17
<b>TOTALS</b>	<b>90,589</b>	<b>21,684</b>	<b>23,138</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	16	0	0
BARRY	1,364	0	0
CALHOUN	297	0	0
CLINTON	23,514	0	0
EATON	195,137	0	0
GENESEE	46	0	0
GRATIOT	390	0	0
INGHAM	129,211	0	0
IONIA	19,314	0	0
JACKSON	8	0	0
LIVINGSTON	644	0	0
MONTCALM	36	0	0
OAKLAND	5	0	0
OTTAWA	1	0	0
SAGINAW	2	0	0
SHIAWASSEE	427	0	0
WASHTENAW	14	0	0
WAYNE	25	0	0
<b>TOTALS</b>	<b>370,451</b>	<b>0</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	10	0	0
BARRY	331	0	0
CALHOUN	79	0	0
CLINTON	89,799	0	0
EATON	118,071	0	0
GENESEE	81	0	0
GRATIOT	7,142	0	0
INGHAM	891,691	0	0
IONIA	8,693	0	0
JACKSON	551	0	0
KALAMAZOO	12	0	0
LENAWEE	10	0	0
LIVINGSTON	34,734	0	0
MONTCALM	786	0	0
OAKLAND	150	0	0
SAGINAW	31	0	0
SHIAWASSEE	20,638	0	0
WASHTENAW	147	0	0
WAYNE	934	0	0
<b>TOTALS</b>	<b>1,173,890</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	10,539	0
<b>TOTALS</b>	<b>0</b>	<b>10,539</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	12,483	5,440	4,317
<b>TOTALS</b>	<b>12,483</b>	<b>5,440</b>	<b>4,317</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	153	0
<b>TOTALS</b>	<b>0</b>	<b>153</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	28,426	0
<b>TOTALS</b>	<b>0</b>	<b>28,426</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	13,764	17,949	0
GOGEBIC	26,466	9,440	0
HOUGHTON	64,815	6,837	0
IRON	12,634	85	0
KEWEENAW	2,919	4	0
ONTONAGON	12,308	1,059	0
WISCONSIN	57,432	16	0
<b>TOTALS</b>	<b>190,338</b>	<b>35,390</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (All Values are in Cubic Yards)

<b>LAFARGE MIDWEST INC (ALPENA COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALPENA	0	271,527	0
<b>TOTALS</b>	<b>0</b>	<b>271,527</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	642
CALHOUN	0	0	2,565
EATON	0	0	878
HILLSDALE	0	14,807	4,360
INGHAM	0	0	6,378
JACKSON	0	46,000	47,051
LENAWEE	0	0	8,795
LIVINGSTON	0	0	30
OHIO	0	72,124	0
WASHTENAW	0	0	3,541
WAYNE	0	11,695	0
<b>TOTALS</b>	<b>0</b>	<b>144,626</b>	<b>74,240</b>

<b>MANISTEE COUNTY LANDFILL INC (MANISTEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
BENZIE	11,632	236	285
GRAND TRAVERSE	20,656	9	0
LAKE	5,537	10	91
MANISTEE	85,498	228,512	11,571
MASON	55,887	3,925	0
WEXFORD	4,321	0	0
<b>TOTALS</b>	<b>183,531</b>	<b>232,692</b>	<b>11,947</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (All Values are in Cubic Yards)

<b>MANISTIQUE PAPERS LANDFILL (SCHOOLCRAFT COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
SCHOOLCRAFT	0	149,488	0
<b>TOTALS</b>	<b>0</b>	<b>149,488</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	250,418	0	0
<b>TOTALS</b>	<b>250,418</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	2,302	0	0
OAKLAND	560	0	0
WASHTENAW	396	0	0
WAYNE	27,438	0	0
<b>TOTALS</b>	<b>30,696</b>	<b>0</b>	<b>0</b>

<b>MCGILL ROAD LANDFILL (JACKSON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
JACKSON	100,549	12,476	32,923
<b>TOTALS</b>	<b>100,549</b>	<b>12,476</b>	<b>32,923</b>



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (All Values are in Cubic Yards)

<b>MICHIGAN ENVIRONS INC (MENOMINEE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DICKINSON	0	9,233	0
MENOMINEE	27,690	26,867	2,612
WISCONSIN	128,133	100,146	943
<b>TOTALS</b>	<b>155,823</b>	<b>136,246</b>	<b>3,555</b>

<b>MONROE POWER PLANT (MONROE COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MONROE	0	331,510	0
<b>TOTALS</b>	<b>0</b>	<b>331,510</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	655	95	267
ALPENA	60,753	9,441	10,660
ANTRIM	0	0	1,250
CHEBOYGAN	1,782	0	0
CRAWFORD	19	0	0
EMMET	25	0	0
MONTMORENCY	17,953	12,000	6,257
OSCODA	15,188	81	3,454
OTSEGO	1,668	200	967
PRESQUE ISLE	12,818	1,071	379
ROSCOMMON	5	0	0
<b>TOTALS</b>	<b>110,866</b>	<b>22,888</b>	<b>23,234</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	91	4,440	0
ARENAC	3,817	1,201	10
CHARLEVOIX	0	0	28
CLARE	46,904	7,440	16,421
GLADWIN	21,552	1,266	2,525
GRATIOT	16,548	7,339	1,080
IOSCO	79	0	146
ISABELLA	65,824	5,515	10,071
KALKASKA	0	0	19
LAKE	47	0	392
MECOSTA	12,745	318	1,708
MISSAUKEE	6,467	13,789	699
MONTCALM	64	80	153
OGEMAW	7,789	425	109
OSCEOLA	16,185	15,793	2,825
ROSCOMMON	34,786	1,480	3,854
WEXFORD	6,879	0	2,570
<b>TOTALS</b>	<b>239,777</b>	<b>59,086</b>	<b>42,610</b>

<b>OAKLAND HEIGHTS DEVELOPMENT INC (OAKLAND COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
LAPEER	0	10	0
MACOMB	109,794	870	1,157
OAKLAND	385,463	4,888	227,625
WAYNE	36	761	7,284
<b>TOTALS</b>	<b>495,293</b>	<b>6,529</b>	<b>236,066</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	993	0	0
BARRY	6	0	0
BERRIEN	153,433	0	0
CALHOUN	10	0	0
CASS	11,247	0	0
INDIANA	35	0	0
KALAMAZOO	228,795	0	0
OTTAWA	23	0	0
ST JOSEPH	124	0	0
VAN BUREN	91,875	0	0
<b>TOTALS</b>	<b>486,541</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	6,685	5,564	292
BARRY	75	783	0
BERRIEN	0	5,386	0
EATON	479	0	0
IONIA	0	0	5
KALAMAZOO	0	21	13
KENT	85,535	183,488	28,114
MASON	13	15,898	62
MONTCALM	229	717	10
MUSKEGON	198,839	84,351	8,115
NEWAYGO	0	201	473
OCEANA	39,408	1,958	1,213
OTTAWA	198,887	100,501	18,476
<b>TOTALS</b>	<b>530,150</b>	<b>398,868</b>	<b>56,773</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	112,093	42,523	130
GENESEE	20,360	898	42
GRATIOT	14,541	821	41
SAGINAW	287,055	49,198	11,008
SHIAWASSEE	12	0	0
TUSCOLA	8,647	1,881	155
<b>TOTALS</b>	<b>442,708</b>	<b>95,321</b>	<b>11,376</b>

<b>PINE TREE ACRES INC (MACOMB COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
CANADA	3,465,566	400	94
LAPEER	1,399	130	120
MACOMB	757,237	138,489	21,966
OAKLAND	9,180	38,920	262
ST CLAIR	0	105	0
WASHTENAW	0	280	0
WAYNE	12,546	370,652	1,254
<b>TOTALS</b>	<b>4,245,928</b>	<b>548,976</b>	<b>23,696</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	939
BARRY	0	0	529
CALHOUN	0	0	7,771
CASS	0	0	38
CLINTON	0	0	235
EATON	0	0	3,998
INGHAM	0	0	12,230
IONIA	2,518	359	18,318
ISABELLA	9,013	1,449	178
KALAMAZOO	0	0	78
KENT	1,943	3	156,052
MECOSTA	13,293	966	0
MONTCALM	22,845	33	15,202
MUSKEGON	0	0	549
OSCEOLA	907	0	365
OTTAWA	531	0	5,846
<b>TOTALS</b>	<b>51,050</b>	<b>2,810</b>	<b>222,328</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	20,130	0	0
GENESEE	195,983	0	0
LAPEER	83,144	0	0
LIVINGSTON	325	0	0
OAKLAND	219,988	0	0
SAGINAW	228	0	0
SANILAC	10,540	0	0
SHIAWASSEE	3	0	0
TUSCOLA	7,045	0	0
WAYNE	11,372	0	0
<b>TOTALS</b>	<b>548,758</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	305,582	2,306	0
LENAWEE	0	937	0
MACOMB	95,371	24,136	228
MONROE	244,479	15,301	21,376
OAKLAND	6,931	16,276	3,921
OHIO	0	74	7
WASHTENAW	84	865	51
WAYNE	577,086	133,276	643,966
<b>TOTALS</b>	<b>1,229,533</b>	<b>193,171</b>	<b>669,549</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	0	16,298	0
JACKSON	0	0	174
LIVINGSTON	0	933	0
MACOMB	26	3,259	7
MONROE	63	31,791	3,805
NEW YORK	0	30	0
OAKLAND	908	10,350	225
OHIO	0	683	0
WASHTENAW	9,591	5,251	7,362
WAYNE	760,502	216,710	395,871
<b>TOTALS</b>	<b>771,090</b>	<b>285,305</b>	<b>407,444</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	495,877	41,315	115,784
<b>TOTALS</b>	<b>495,877</b>	<b>41,315</b>	<b>115,784</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (All Values are in Cubic Yards)

<b>SOUTH KENT LANDFILL (KENT COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
ALLEGAN	41,119	0	0
BARRY	10,092	0	0
CALHOUN	151	0	0
CLINTON	181	0	0
EATON	29	0	0
IONIA	429	0	0
KALAMAZOO	881	0	0
KENT	520,373	0	0
MECOSTA	22	0	0
MONTCALM	48	0	0
NEWAYGO	61	0	0
OCEANA	19	0	0
OTTAWA	17,730	0	0
VAN BUREN	130	0	0
<b>TOTALS</b>	<b>591,265</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	17,970	0	0
BERRIEN	387,226	15,937	11,060
CASS	17,466	36,807	387
ILLINOIS	5,002	1,320	0
INDIANA	76,789	23,279	7,929
ST JOSEPH	1,360	7,760	0
<b>TOTALS</b>	<b>505,813</b>	<b>85,103</b>	<b>19,376</b>



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	7,826	0
<b>TOTALS</b>	<b>0</b>	<b>7,826</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	26,055	0
<b>TOTALS</b>	<b>0</b>	<b>26,055</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	17,988	12,213	79
LAPEER	34,784	69	0
MACOMB	0	15	0
SANILAC	61,005	9,401	4,675
TUSCOLA	10,974	16,273	0
<b>TOTALS</b>	<b>124,751</b>	<b>37,971</b>	<b>4,754</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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>
BAY	0	10	0
CLINTON	16,648	3,523	56
EATON	2,052	10,925	0
GENESEE	247,568	50,387	2,261
GRATIOT	2,898	41	22
INGHAM	67,313	5,918	63
IONIA	134	212	0
LAPEER	8,713	910	0
LIVINGSTON	69,871	4,500	0
MACOMB	4	33	0
MECOSTA	0	7	0
MONTCALM	3,174	0	0
OAKLAND	5,936	71,572	0
SAGINAW	9,171	95	85
SHIAWASSEE	80,626	37,464	5,075
WASHTENAW	7	20	0
WAYNE	0	105,425	0
<b>TOTALS</b>	<b>514,115</b>	<b>291,042</b>	<b>7,562</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	60	2,640
GENESEE	0	13	0
INGHAM	48	4,312	50
LIVINGSTON	152,234	6,526	6,555
MACOMB	246,741	29,535	268,649
MONROE	82	1,324	0
OAKLAND	1,449,559	78,167	129,430
OHIO	0	15	0
WASHTENAW	175,638	92,816	69,062
WAYNE	889,230	545,989	429,659
<b>TOTALS</b>	<b>2,913,532</b>	<b>758,757</b>	<b>906,045</b>

<b>VERSO PAPER CORP (DICKINSON COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
DICKINSON	0	122,622	0
<b>TOTALS</b>	<b>0</b>	<b>122,622</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>
LENAWEE	89	0	0
MONROE	74,209	69,901	1,800
OHIO	342,143	739,093	2,370
PENNSYLVANIA	0	26,190	0
WAYNE	37	17,199	0
<b>TOTALS</b>	<b>416,478</b>	<b>852,383</b>	<b>4,170</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	24,714	0
<b>TOTALS</b>	<b>0</b>	<b>24,714</b>	<b>0</b>

<b>WEADOCK COMPLEX (BAY COUNTY)</b>			
<b>ORIGIN</b>	<b>MCW</b>	<b>IW</b>	<b>C&amp;D</b>
MONROE	0	4,472	0
<b>TOTALS</b>	<b>0</b>	<b>4,472</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	241	908	0
BARRY	23	0	0
BERRIEN	12,098	963	2,107
BRANCH	22,127	6,130	28
CALHOUN	100,290	3,675	30
CASS	24,809	4,415	1,263
EATON	0	90	0
HILLSDALE	14	0	0
INDIANA	1,875	56,178	15
KALAMAZOO	150,671	155,497	21,378
OTTAWA	0	80	0
ST JOSEPH	117,891	73,588	3,784
VAN BUREN	15,369	4,686	3,175
<b>TOTALS</b>	<b>445,408</b>	<b>306,210</b>	<b>31,780</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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>
ANTRIM	4,340	0	0
BENZIE	2,818	0	4,835
CHARLEVOIX	21,140	0	0
CRAWFORD	3,193	0	0
EMMET	10	0	8
GRAND TRAVERSE	120,931	0	492
ISABELLA	16	0	0
KALKASKA	127,262	0	180
LAKE	0	0	1
MANISTEE	704	0	0
MECOSTA	376	0	39
MISSAUKEE	32,444	0	2,232
OSCEOLA	2,627	0	20
OTSEGO	1,472	54,878	0
WEXFORD	70,961	17,539	16,817
<b>TOTALS</b>	<b>388,294</b>	<b>72,417</b>	<b>24,624</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	95	11,060	304
ANTRIM	30	0	0
ARENAC	20,124	485	6,666
BAY	114,818	29,849	25,579
CHARLEVOIX	20	0	0
CLARE	7,710	0	284
GLADWIN	25,873	2	2,703
GRAND TRAVERSE	0	0	5
IOSCO	38,864	1,475	7,098
ISABELLA	4,462	505	2,490
MIDLAND	43	1,251	20
OGEMAW	15,953	461	5,700
ROSCOMMON	15,381	0	2,075
SAGINAW	51,755	1,891	5,575
TUSCOLA	82	81	246
<b>TOTALS</b>	<b>295,210</b>	<b>47,060</b>	<b>58,745</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	17,240	11,443	0
CHIPPEWA	826	0	0
DELTA	4,518	0	0
DICKINSON	88,869	8,303	0
HOUGHTON	908	0	0
IRON	0	177	0
LUCE	1,855	0	0
MARQUETTE	997	0	0
WISCONSIN	3,536	0	0
<b>TOTALS</b>	<b>118,749</b>	<b>19,923</b>	<b>0</b>

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2012**  
 (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	106,467	7,040	0
GENESEE	0	960	0
JACKSON	0	270	0
LENAWEE	1,102	20	0
LIVINGSTON	48,004	2,156	93
MACOMB	197	2,330	3,502
MONROE	33,857	1,261	170
OAKLAND	175,829	47,817	2,027
OHIO	0	80	0
WASHTENAW	474,944	143,152	11,283
WAYNE	1,201,831	1,195,163	54,783
<b>TOTALS</b>	<b>2,042,231</b>	<b>1,400,249</b>	<b>71,858</b>