



REPORT OF SOLID WASTE LANDFILLED IN MICHIGAN

October 1, 2012 - September 30, 2013

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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, 2012 - September 30, 2013, and is the eighteenth 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 yards¹ 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 report²: 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

¹ 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.

² 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) 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 44,914,993 cubic yards, an increase of 606,917 cubic yards or about 1.4 percent over the fiscal year (FY) 2012 report data. Waste generated in Michigan decreased from 34,630,419 cubic yards in the previous reporting period to 34,447,978 cubic yards, a decrease of about 0.5 percent. Total imports of waste into Michigan landfills increased from the previous reporting period from 9,677,657 cubic yards to 10,467,015 cubic yards, an increase of about 8.2 percent. The largest source of waste imports to Michigan continues to be from Canada, with total reported imports to landfills of 7,681,315 cubic yards, up 916,408 cubic yards or about 13.5 percent from the FY 2012 report data. Canadian waste imports equal about 17.1 percent of all waste disposed in Michigan landfills. Waste reported from other states and Canada totaled about 23.3 percent of all solid waste disposed in Michigan landfills. Imported waste comprised 21.8 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 eighteen FYs. Imports from other states decreased to 2,785,700 cubic yards from 2,912,750 cubic yards, a decrease of about 4.4 percent. This information is presented in Tables 1 and 2, and

Figures 1 and 2, and shows 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 noncaptive³ disposal facilities should be used in the calculation of the 12 cents per cubic yard surcharge. For FY 2013 that amount was 43,272,593 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.

³ 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)**

Fiscal Year	Michigan	Canada	Other States	Totals
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	6,764,907	2,912,750	44,308,076
FY 2013	34,447,978 ⁴	7,681,315 ⁵	2,785,700 ⁶	44,914,993 ⁷

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

Fiscal Year	Michigan	Canada	Other States
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%
FY 2013	76.7%	17.1%	6.2%

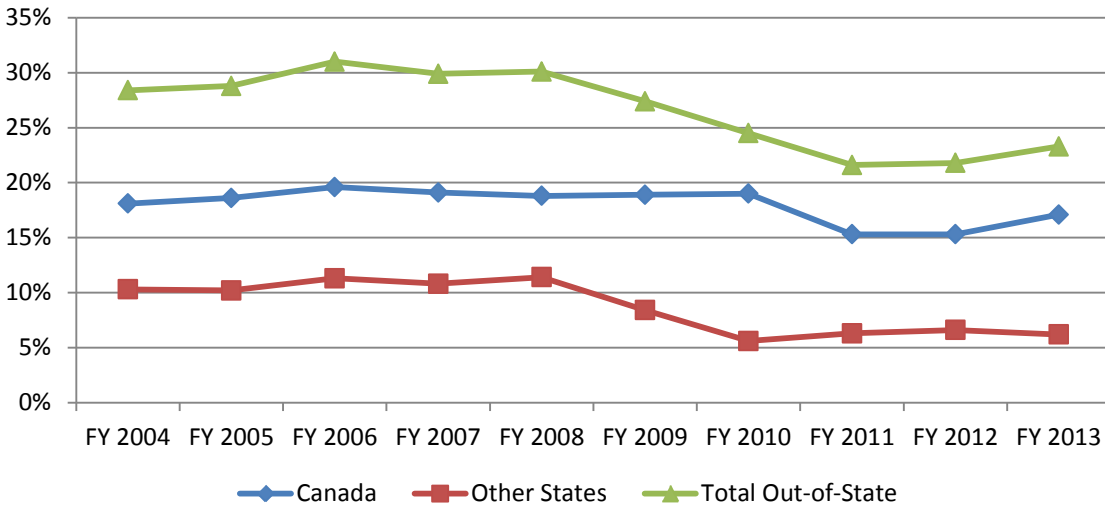
⁴ MICHIGAN WASTE: 11,482,660 tons

⁵ CANADIAN WASTE: 2,560,438 tons

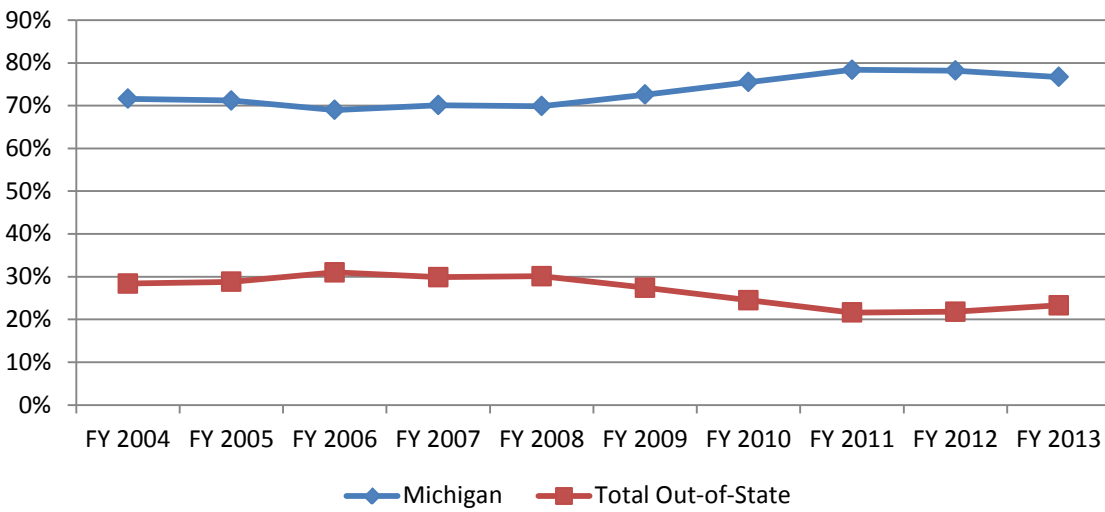
⁶ OTHER STATES WASTE: 928,567 tons

⁷ TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS: 14,971,660 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.

TABLE 3 SOLID WASTE DISPOSAL SOURCE SUMMARY (Volume in Cubic Yards)			
WASTE TYPE	IN-STATE	IMPORTED	TOTAL
MCW	21,581,275	7,966,407	29,547,682
MCW – MSW* INCINERATOR ASH	96,560	884	97,444
SUBTOTAL MCW	21,677,835	7,967,291	29,645,126
IW	6,996,181	1,952,853	8,949,034
IW – SEGREGATED	1,128,181	0	1,128,181
IW – SEGREGATED MIXED	280,105	0	280,105
SUBTOTAL IW	8,404,467	1,952,853	10,357,320
C&D	4,365,676	546,871	4,912,547
GRAND TOTAL	34,447,978	10,467,015	44,914,993

*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.

TABLE 3A INDUSTRIAL WASTE DISPOSAL SOURCE SUMMARY (Volume in Cubic Yards)			
WASTE TYPE	IN-STATE	IMPORTED	TOTAL
IW - General	3,415,741	1,361,644	4,777,385
IW - Other	1,812,018	42,033	1,854,051
IW - Alternative Daily Cover	699,055	430,239	1,129,294
IW - Foundry Sand	242,520	40,160	282,680
IW - Other Sludges	141,514	27,074	168,588
IW - Wastewater Sludges	384,503	1,909	386,412
IW - Wood Ash	120,905	308	121,213
IW - Coal Ash	1,205,242	48,560	1,253,802
IW - Wood/Paper Sludges	143,312	93	143,405
IW - Cement Kiln Dust	239,657	833	240,490
GRAND TOTAL	8,404,467	1,952,853	10,357,320

WASTE IMPORTS

Based on the reported information for FY 2013, the solid waste industry in Michigan imported solid waste from 10 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.

TABLE 4 IMPORTED WASTE BY ORIGIN - FY 2013 (Volume in Cubic Yards)				
WASTE ORIGIN	MCW	IW	C&D	TOTAL WASTE
CANADA	6,650,703	509,862	520,750	7,681,315
FLORIDA	0	31,113	2,570	33,683
ILLINOIS	51,719	11,692	151	63,562
INDIANA	613,058	85,294	20,102	718,454
MARYLAND	70	640	42	752
MASSACHUSETTS	9	0	36	45
NEW YORK	31	16,554	0	16,585
OHIO	490,027	853,888	2,296	1,346,211
PENNSYLVANIA	0	13,831	0	13,831
WEST VIRGINIA	0	0	7	7
WISCONSIN	161,674	429,979	917	592,570

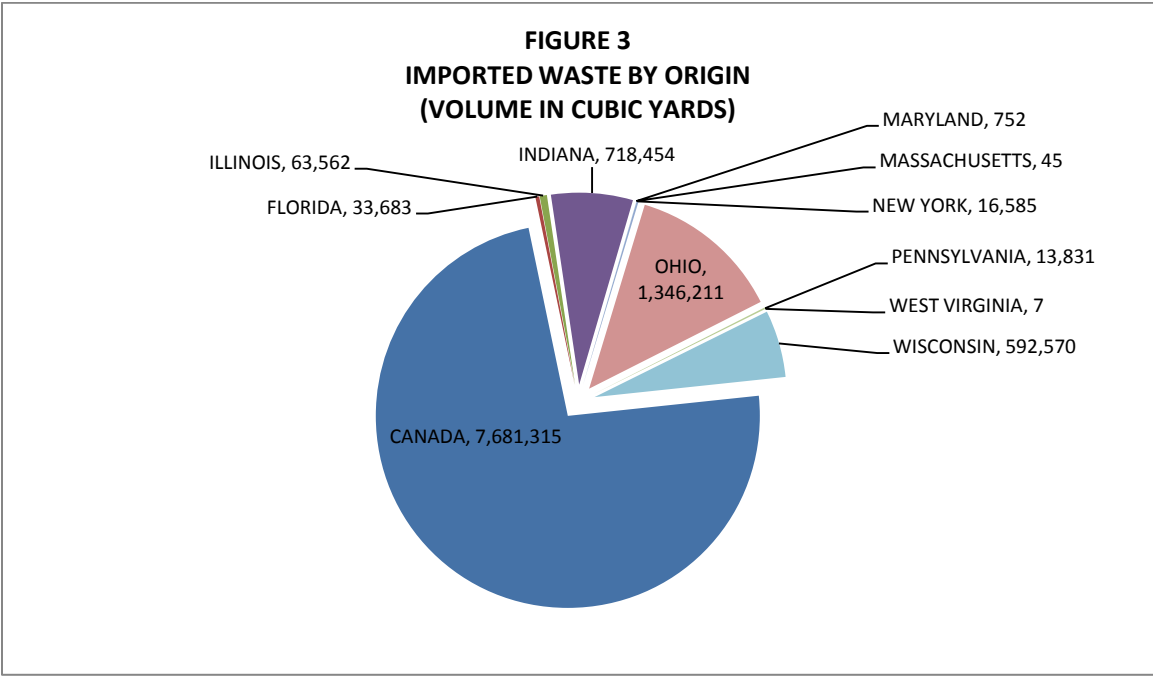


Table 5 shows the total amount of waste imported into each county from all out-of-state sources.

**TABLE 5
IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2013
(Volume in Cubic Yards)**

COUNTY	WASTE ORIGIN	WASTE VOLUME
ALGER	WISCONSIN	3,655
BERRIEN	ILLINOIS	63,483
BERRIEN	INDIANA	692,028
CHIPPEWA	CANADA	33,404
GENESEE	CANADA	1,733,715
GENESEE	ILLINOIS	79
GENESEE	OHIO	22,951
JACKSON	OHIO	67,050
LENAWEE	CANADA	50
LENAWEE	MARYLAND	560
LENAWEE	OHIO	46,679
MACOMB	CANADA	3,367,522
MENOMINEE	WISCONSIN	531,992
MONROE	NEW YORK	31
MONROE	OHIO	1,009,885
MONROE	PENNSYLVANIA	13,290

TABLE 5
IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2013
(Volume in Cubic Yards)

COUNTY	WASTE ORIGIN	WASTE VOLUME
OAKLAND	CANADA	126
ONTONAGON	WISCONSIN	56,923
ST JOSEPH	INDIANA	26,426
WASHTENAW	CANADA	3,178
WAYNE	CANADA	2,543,320
WAYNE	FLORIDA	33,683
WAYNE	MARYLAND	192
WAYNE	MASSACHUSETTS	45
WAYNE	NEW YORK	16,554
WAYNE	OHIO	199,646
WAYNE	PENNSYLVANIA	541
WAYNE	WEST VIRGINIA	7

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

TABLE 6 TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2013 (Volume in Cubic Yards)	
COUNTY	WASTE VOLUME
ALCONA	6,632
ALGER	30,280
ALLEGAN	297,491
ALPENA	296,895
ANTRIM	17,367
ARENAC	37,044
BARAGA	35,942
BARRY	67,574
BAY	380,309
BENZIE	20,891
BERRIEN	806,554
BRANCH	142,506
CALHOUN	414,292
CASS	77,868
CHARLEVOIX	115,823
CHEBOYGAN	75,910
CHIPPEWA	88,129
CLARE	73,167
CLINTON	158,779
CRAWFORD	57,702
DELTA	237,478
DICKINSON	252,962
EATON	295,716
EMMET	101,214
GENESEE	1,262,194
GLADWIN	62,298
GOGEBIC	30,359
GRAND TRAVERSE	296,287
GRATIOT	93,402
HILLSDALE	73,379
HOUGHTON	80,135
HURON	189,653
INGHAM	1,083,250

**TABLE 6
TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2013
(Volume in Cubic Yards)**

COUNTY	WASTE VOLUME
IONIA	123,259
IOSCO	127,539
IRON	12,750
ISABELLA	125,975
JACKSON	243,890
KALAMAZOO	1,151,695
KALKASKA	144,956
KENT	1,515,587
KEWEENAW	2,954
LAKE	7,747
LAPEER	198,808
LEELANAU	37,551
LENAWEE	168,137
LIVINGSTON	468,131
LUCE	10,853
MACKINAC	23,723
MACOMB	2,084,217
MANISTEE	298,242
MARQUETTE	195,597
MASON	81,136
MECOSTA	101,647
MENOMINEE	64,339
MIDLAND	421,295
MISSAUKEE	54,830
MONROE	1,001,092
MONTCALM	98,168
MONTMORENCY	31,547
MUSKEGON	638,828
NEWAYGO	81,862
OAKLAND	3,368,685
OCEANA	42,334
OGEMAW	33,264
ONTONAGON	9,831
OSCEOLA	29,350
OSCODA	18,395
OTSEGO	116,038
OTTAWA	870,859

TABLE 6 TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2013 (Volume in Cubic Yards)	
COUNTY	WASTE VOLUME
PRESQUE ISLE	25,750
ROSCOMMON	65,308
SAGINAW	707,530
SANILAC	118,977
SCHOOLCRAFT	182,781
SHIAWASSEE	187,604
ST CLAIR	921,261
ST JOSEPH	230,977
TUSCOLA	110,973
VAN BUREN	185,299
WASHTENAW	1,015,493
WAYNE	9,323,573
WEXFORD	107,859

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.

TABLE 6A TOTAL WASTE DISPOSED BY COUNTY - FY 2013 (Volume in Cubic Yards)	
COUNTY	TOTAL WASTE VOLUME
ALGER	148,357
ALPENA	209,377
BARRY	122,960
BAY	442,389
BERRIEN	2,029,687
CALHOUN	1,107,043
CHARLEVOIX	26,235
CHIPPEWA	108,559
CLARE	294,730
CLINTON	1,369,584
CRAWFORD	317,089
DELTA	256,241

TABLE 6A
TOTAL WASTE DISPOSED BY COUNTY - FY 2013
(Volume in Cubic Yards)

COUNTY	TOTAL WASTE VOLUME
DICKINSON	146,620
GENESEE	3,428,662
HURON	227,405
IONIA	259,372
JACKSON	350,868
KENT	695,283
LEELANAU	110,760
LENAWEE	280,941
MACOMB	5,029,241
MANISTEE	417,922
MARQUETTE	195,322
MENOMINEE	583,324
MIDLAND	432,031
MONROE	1,610,541
MONTCALM	571,814
MONTMORENCY	153,905
MUSKEGON	253,371
OAKLAND	1,526,600
ONTONAGON	219,583
OTTAWA	1,940,616
PRESQUE ISLE	215,285
SAGINAW	635,834
SANILAC	177,825
SCHOOLCRAFT	181,654
SHIAWASSEE	744,336
ST CLAIR	921,105
ST JOSEPH	787,676
WASHTENAW	4,952,716
WAYNE	10,849,704
WEXFORD	538,710

FACILITY INFORMATION

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

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
ADRIAN LANDFILL INC	143,781	137,160	280,941
ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC.	3,042,051	1,910,665	4,952,716
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	502,067	273,867	775,934
BRENT RUN LANDFILL	1,665,145	849,847	2,514,992
C & C EXPANDED SANITARY LANDFILL	767,548	339,495	1,107,043
CARLETON FARMS LANDFILL	2,249,336	1,463,025	3,712,361
CENTRAL SANITARY LANDFILL	480,835	90,979	571,814
CES LANDFILL INC OF HASTINGS	112,183	10,777	122,960
CITIZENS DISPOSAL INC	529,126	384,544	913,670
CITY ENVIRONMENTAL SERVICES INC OF WATERS	206,244	110,845	317,089
CITY OF LIVONIA LANDFILL	0	4,782	4,782
CITY OF MIDLAND SANITARY LANDFILL	188,076	243,955	432,031
CONSUMERS ENERGY CO J H CAMPBELL COMPLEX	0	204,041	204,041
CONSUMERS ENERGY COMPANY DE KARN	0	2,596	2,596
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	175,211	78,160	253,371
DAFTER SANITARY LANDFILL	104,265	4,294	108,559
DELTA COUNTY LANDFILL	64,602	42,036	106,638
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	256,026	256,026

**TABLE 7
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2013
(Volume in Cubic Yards)**

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
DETROIT EDISON CO SIBLEY QUARRY	0	112,308	112,308
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	694,287	133,414	827,701
EDWARD C LEVY CO LANDFILL	0	284,744	284,744
ELK RUN LANDFILL	144,442	70,843	215,285
ESCANABA PAPER COMPANY	0	149,603	149,603
FOREST LAWN LANDFILL INC	833,363	43,132	876,495
GENERAL MOTORS LLC - SAGINAW METAL CASTING OPERATIONS	0	72,168	72,168
GLENS SANITARY LANDFILL	93,801	16,959	110,760
GRANGER GRAND RIVER LANDFILL	111,699	0	111,699
GRANGER WOOD STREET LANDFILL	1,257,885	0	1,257,885
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	7,441	7,441
HIAWATHA SHORES LANDFILL INC	12,823	14,273	27,096
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	120	120
HURON LANDFILL CORP. - DBA HURON LANDFILL	227,405	0	227,405
J R WHITING ELECTRIC GENERATING STATION	0	41,004	41,004
K & W LANDFILL	187,655	31,928	219,583
LAFARGE MIDWEST INC	0	209,377	209,377
LIBERTY ENVIRONMENTALISTS LANDFILL	0	195,207	195,207
MANISTEE COUNTY LANDFILL INC	191,050	226,872	417,922
MANISTIQUE PAPERS LANDFILL	0	154,558	154,558
MARQUETTE COUNTY LANDFILL	159,650	0	159,650
MATLIN ROAD LANDFILL	45,882	0	45,882
MCGILL ROAD LANDFILL	89,698	65,963	155,661
MICHIGAN ENVIRONS INC	127,219	448,664	575,883
MONROE POWER PLANT	0	348,206	348,206
MONTMORENCY-OSCODA-ALPENA SWMA	109,398	44,507	153,905
NIAGARA DEVELOPMENT LLC	0	21,073	21,073

TABLE 7
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2013
(Volume in Cubic Yards)

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	224,400	70,330	294,730
OAKLAND HEIGHTS DEVELOPMENT INC	460,059	238,840	698,899
ORCHARD HILL SANITARY LANDFILL	504,696	0	504,696
OTTAWA COUNTY FARMS LANDFILL	569,317	391,204	960,521
PEOPLES LANDFILL INC	430,255	133,411	563,666
PINE TREE ACRES INC	4,374,794	654,447	5,029,241
PITSCH SANITARY LANDFILL	43,716	215,656	259,372
RICHFIELD LANDFILL INC	43,716	0	43,716
RIVERVIEW LAND PRESERVE	1,329,999	845,655	2,175,654
SAUK TRAIL HILLS LANDFILL	790,978	618,881	1,409,859
SMITHS CREEK LANDFILL	507,424	157,655	665,079
SOUTH KENT LANDFILL	692,529	0	692,529
SOUTHEAST BERRIEN COUNTY LANDFILL	534,346	114,150	648,496
SPARTA FOUNDRY WASTE FACILITY	0	2,754	2,754
ST MARYS CEMENT INC	0	26,235	26,235
TRI-CITY RECYCLING AND DISPOSAL FACILITY	124,976	52,849	177,825
VENICE PARK RECYCLING & DISPOSAL FACIL	490,724	253,612	744,336
VERSO PAPER CORP	0	125,547	125,547
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	566,565	608,884	1,175,449
WE ENERGIES PRESQUE ISLE POWER PLANT	0	35,672	35,672
WEADOCK COMPLEX	0	2,270	2,270
WESTSIDE RECYCLING & DISPOSAL FACILITY	467,428	320,248	787,676
WEXFORD COUNTY LANDFILL, LLC	459,610	79,100	538,710
WHITEFEATHER LANDFILL	328,507	109,016	437,523
WOOD ISLAND WASTE MANAGEMENT INC	128,405	19,952	148,357
WOODLAND MEADOWS RDF-VAN BUREN	2,055,955	1,094,041	3,149,996

**TABLE 8
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2013
(Volume in Cubic Yards)**

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
PINE TREE ACRES INC	4,374,794	654,447	5,029,241
ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC.	3,042,051	1,910,665	4,952,716
CARLETON FARMS LANDFILL	2,249,336	1,463,025	3,712,361
WOODLAND MEADOWS RDF- VAN BUREN	2,055,955	1,094,041	3,149,996
BRENT RUN LANDFILL	1,665,145	849,847	2,514,992
RIVERVIEW LAND PRESERVE	1,329,999	845,655	2,175,654
GRANGER WOOD STREET LANDFILL	1,257,885	0	1,257,885
FOREST LAWN LANDFILL INC	833,363	43,132	876,495
SAUK TRAIL HILLS LANDFILL	790,978	618,881	1,409,859
C & C EXPANDED SANITARY LANDFILL	767,548	339,495	1,107,043
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	694,287	133,414	827,701
SOUTH KENT LANDFILL	692,529	0	692,529
OTTAWA COUNTY FARMS LANDFILL	569,317	391,204	960,521
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	566,565	608,884	1,175,449
SOUTHEAST BERRIEN COUNTY LANDFILL	534,346	114,150	648,496
CITIZENS DISPOSAL INC	529,126	384,544	913,670
SMITHS CREEK LANDFILL	507,424	157,655	665,079
ORCHARD HILL SANITARY LANDFILL	504,696	0	504,696
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	502,067	273,867	775,934
VENICE PARK RECYCLING & DISPOSAL FACIL	490,724	253,612	744,336
CENTRAL SANITARY LANDFILL	480,835	90,979	571,814
WESTSIDE RECYCLING & DISPOSAL FACILITY	467,428	320,248	787,676
OAKLAND HEIGHTS DEVELOPMENT INC	460,059	238,840	698,899
WEXFORD COUNTY LANDFILL, LLC	459,610	79,100	538,710
PEOPLES LANDFILL INC	430,255	133,411	563,666
WHITEFEATHER LANDFILL	328,507	109,016	437,523

**TABLE 8
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2013
(Volume in Cubic Yards)**

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
HURON LANDFILL CORP. - DBA HURON LANDFILL	227,405	0	227,405
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	224,400	70,330	294,730
CITY ENVIRONMENTAL SERVICES INC OF WATERS	206,244	110,845	317,089
MANISTEE COUNTY LANDFILL INC	191,050	226,872	417,922
CITY OF MIDLAND SANITARY LANDFILL	188,076	243,955	432,031
K & W LANDFILL	187,655	31,928	219,583
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	175,211	78,160	253,371
MARQUETTE COUNTY LANDFILL	159,650	0	159,650
ELK RUN LANDFILL	144,442	70,843	215,285
ADRIAN LANDFILL INC	143,781	137,160	280,941
WOOD ISLAND WASTE MANAGEMENT INC	128,405	19,952	148,357
MICHIGAN ENVIRONS INC	127,219	448,664	575,883
TRI-CITY RECYCLING AND DISPOSAL FACILITY	124,976	52,849	177,825
CES LANDFILL INC OF HASTINGS	112,183	10,777	122,960
GRANGER GRAND RIVER LANDFILL	111,699	0	111,699
MONTMORENCY-OSCODA- ALPENA SWMA	109,398	44,507	153,905
DAFTER SANITARY LANDFILL	104,265	4,294	108,559
GLENS SANITARY LANDFILL	93,801	16,959	110,760
MCGILL ROAD LANDFILL	89,698	65,963	155,661
DELTA COUNTY LANDFILL	64,602	42,036	106,638
MATLIN ROAD LANDFILL	45,882	0	45,882
RICHFIELD LANDFILL INC	43,716	0	43,716
PITSCH SANITARY LANDFILL	43,716	215,656	259,372
HIAWATHA SHORES LANDFILL INC	12,823	14,273	27,096

**TABLE 9
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2013
(Volume in Cubic Yards)**

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC.	3,042,051	1,910,665	4,952,716
CARLETON FARMS LANDFILL	2,249,336	1,463,025	3,712,361
WOODLAND MEADOWS RDF-VAN BUREN	2,055,955	1,094,041	3,149,996
BRENT RUN LANDFILL	1,665,145	849,847	2,514,992
RIVERVIEW LAND PRESERVE	1,329,999	845,655	2,175,654
PINE TREE ACRES INC	4,374,794	654,447	5,029,241
SAUK TRAIL HILLS LANDFILL	790,978	618,881	1,409,859
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	566,565	608,884	1,175,449
MICHIGAN ENVIRONS INC	127,219	448,664	575,883
OTTAWA COUNTY FARMS LANDFILL	569,317	391,204	960,521
CITIZENS DISPOSAL INC	529,126	384,544	913,670
MONROE POWER PLANT	0	348,206	348,206
C & C EXPANDED SANITARY LANDFILL	767,548	339,495	1,107,043
WESTSIDE RECYCLING & DISPOSAL FACILITY	467,428	320,248	787,676
EDWARD C LEVY CO LANDFILL	0	284,744	284,744
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	502,067	273,867	775,934
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	256,026	256,026
VENICE PARK RECYCLING & DISPOSAL FACIL	490,724	253,612	744,336
CITY OF MIDLAND SANITARY LANDFILL	188,076	243,955	432,031
OAKLAND HEIGHTS DEVELOPMENT INC	460,059	238,840	698,899
MANISTEE COUNTY LANDFILL INC	191,050	226,872	417,922
PITSCH SANITARY LANDFILL	43,716	215,656	259,372
LAFARGE MIDWEST INC	0	209,377	209,377
CONSUMERS ENERGY CO J H CAMPBELL COMPLEX	0	204,041	204,041
LIBERTY ENVIRONMENTALISTS LANDFILL	0	195,207	195,207

**TABLE 9
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2013
(Volume in Cubic Yards)**

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
SMITHS CREEK LANDFILL	507,424	157,655	665,079
MANISTIQUE PAPERS LANDFILL	0	154,558	154,558
ESCANABA PAPER COMPANY	0	149,603	149,603
ADRIAN LANDFILL INC	143,781	137,160	280,941
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	694,287	133,414	827,701
PEOPLES LANDFILL INC	430,255	133,411	563,666
VERSO PAPER CORP	0	125,547	125,547
SOUTHEAST BERRIEN COUNTY LANDFILL	534,346	114,150	648,496
DETROIT EDISON CO SIBLEY QUARRY	0	112,308	112,308
CITY ENVIRONMENTAL SERVICES INC OF WATERS	206,244	110,845	317,089
WHITEFEATHER LANDFILL	328,507	109,016	437,523
CENTRAL SANITARY LANDFILL	480,835	90,979	571,814
WEXFORD COUNTY LANDFILL, LLC	459,610	79,100	538,710
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	175,211	78,160	253,371
GENERAL MOTORS LLC - SAGINAW METAL CASTING OPERATIONS	0	72,168	72,168
ELK RUN LANDFILL	144,442	70,843	215,285
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	224,400	70,330	294,730
MCGILL ROAD LANDFILL	89,698	65,963	155,661
TRI-CITY RECYCLING AND DISPOSAL FACILITY	124,976	52,849	177,825
MONTMORENCY-OSCODA- ALPENA SWMA	109,398	44,507	153,905
FOREST LAWN LANDFILL INC	833,363	43,132	876,495
DELTA COUNTY LANDFILL	64,602	42,036	106,638
J R WHITING ELECTRIC GENERATING STATION	0	41,004	41,004
WE ENERGIES PRESQUE ISLE POWER PLANT	0	35,672	35,672
K & W LANDFILL	187,655	31,928	219,583
ST MARYS CEMENT INC	0	26,235	26,235
NIAGARA DEVELOPMENT LLC	0	21,073	21,073

**TABLE 9
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2013
(Volume in Cubic Yards)**

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
WOOD ISLAND WASTE MANAGEMENT INC	128,405	19,952	148,357
GLENS SANITARY LANDFILL	93,801	16,959	110,760
HIAWATHA SHORES LANDFILL INC	12,823	14,273	27,096
CES LANDFILL INC OF HASTINGS	112,183	10,777	122,960
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	7,441	7,441
CITY OF LIVONIA LANDFILL	0	4,782	4,782
DAFTER SANITARY LANDFILL	104,265	4,294	108,559
SPARTA FOUNDRY WASTE FACILITY	0	2,754	2,754
CONSUMERS ENERGY COMPANY DE KARN	0	2,596	2,596
WEADOCK COMPLEX	0	2,270	2,270
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	120	120

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 2013 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 2013
(Volume in Cubic Yards)**

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2013	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
ADRIAN LANDFILL INC	2,335,637	134,400	17	17
ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC.	27,335,017	1,805,440	15	15
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	9,888,904	424,901	37	23
BRENT RUN LANDFILL	2,523,372	1,000,000	3	3
C & C EXPANDED SANITARY LANDFILL	2,819,527	447,633	7	6
CARLETON FARMS LANDFILL	63,590,437	1,601,735	52	40
CENTRAL SANITARY LANDFILL	9,817,863	196,300	45	50
CES LANDFILL INC OF HASTINGS	2,187,623	6,451	47	339
CITIZENS DISPOSAL INC	7,695,534	330,438	21	23
CITY ENVIRONMENTAL SERVICES INC OF WATERS	15,674,667	158,544	99	99
CITY OF MIDLAND SANITARY LANDFILL	7,819,081	182,143	51	43
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	1,409,370	108,002	13	13
DAFTER SANITARY LANDFILL	3,641,244	40,340	73	90
DELTA COUNTY LANDFILL	6,149,528	47,775	110	129
DETROIT EDISON CO SIBLEY QUARRY	18,492,362	188,752	164	98
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	12,283,000	291,000	37	42
EDWARD C LEVY CO LANDFILL	249,300	236,900	1	1
ELK RUN LANDFILL	2,180,976	41,296	26	53
FOREST LAWN LANDFILL INC	1,200,210	499,648	2	2
GLENS SANITARY LANDFILL	18,101,285	55,380	150	327
GRANGER GRAND RIVER LANDFILL	5,453,404	55,848	98	98
GRANGER WOOD STREET LANDFILL	20,180,629	628,942	32	32
HIAWATHA SHORES LANDFILL INC	48,714	14,456	5	3
HURON LANDFILL CORP. - DBA HURON LANDFILL	860,700	35,588	4	24
K & W LANDFILL	2,042,396	107,250	20	19
LIBERTY ENVIRONMENTALISTS LANDFILL	148,000	100,000	2	1
MANISTEE COUNTY LANDFILL INC	9,566,903	156,034	57	61
MARQUETTE COUNTY LANDFILL	959,560	20,440	27	47
MATLIN ROAD LANDFILL	574,296	45,882	209	13
MCGILL ROAD LANDFILL	972,400	87,100	8	11

**TABLE 10
FACILITY CAPACITY AND YEARS REMAINING FOR
NONCAPTIVE FACILITIES - FY 2013
(Volume in Cubic Yards)**

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2013	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
MICHIGAN ENVIRONS INC	2,836,218	166,243	20	17
MONTMORENCY-OSCODA-ALPENA SWMA	1,866,431	153,905	13	12
NIAGARA DEVELOPMENT LLC	2,003,927	21,073	67	95
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	7,360,830	147,364	50	50
OAKLAND HEIGHTS DEVELOPMENT INC	2,711,741	294,598	8	9
ORCHARD HILL SANITARY LANDFILL	17,859,142	210,290	85	85
OTTAWA COUNTY FARMS LANDFILL	5,154,599	399,359	11	13
PEOPLES LANDFILL INC	6,565,000	235,000	34	28
PINE TREE ACRES INC	18,242,767	1,417,634	10	13
PITSCH SANITARY LANDFILL	2,281,579	259,372	20	9
RIVERVIEW LAND PRESERVE	13,583,347	832,245	16	16
SAUK TRAIL HILLS LANDFILL	8,774,964	546,566	16	16
SMITHS CREEK LANDFILL	20,191,423	249,870	81	81
SOUTH KENT LANDFILL	5,501,822	319,128	14	17
SOUTHEAST BERRIEN COUNTY LANDFILL	5,840,513	262,159	22	22
TRI-CITY RECYCLING AND DISPOSAL FACILITY	16,993,640	79,740	212	213
VENICE PARK RECYCLING & DISPOSAL FACIL	9,001,585	57,275	20	157
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	2,520,000	400,000	6	6
WESTSIDE RECYCLING & DISPOSAL FACILITY	38,111,764	409,983	116	93
WEXFORD COUNTY LANDFILL, LLC	20,375,201	369,064	55	55
WHITEFEATHER LANDFILL	2,630,806	118,283	21	22
WOOD ISLAND WASTE MANAGEMENT INC	362,047	148,357	5	2
WOODLAND MEADOWS RDF-VAN BUREN	19,313,000	1,469,000	11	13
TOTAL	486,284,285	17,615,126		

Based on current capacity used for FY 2013 (17,615,126 cubic yards) and total remaining capacity at noncaptive facilities (486,284,285 cubic yards), which may include additional capacity permitted⁸ 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.

⁸ 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: Advanced Disposal Services Arbor Hills Landfill, Inc.; City of Midland Sanitary Landfill; Eagle Valley Recycle & Disposal Facility; and Smiths Creek Landfill. Additionally, during FY 2013, Richfield Landfill filed for bankruptcy, therefore, the remaining and used capacity for this facility is not identified in above table nor is it figured into the above calculations.

APPENDIX A – WASTE TYPE KEY

WASTE TYPE KEY		
	Description	Reference
Municipal & Commercial Waste (MCW)	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)
Industrial Waste (IW)	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)
Construction & Demolition Waste (C&D)	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 2013
 (All Values are in Cubic Yards)

ADRIAN LANDFILL INC (LENAWEE COUNTY)			
ORIGIN	MCW	IW	C&D
CALHOUN	0	191	0
CANADA	0	50	0
GENESEE	0	5	0
HILLSDALE	34,118	2,676	78
INGHAM	0	20,298	0
JACKSON	0	214	115
LENAWEE	98,451	35,708	18,159
MARYLAND	0	560	0
MONROE	674	385	143
OAKLAND	0	837	0
OHIO	0	46,679	0
WASHTENAW	10,538	2,305	680
WAYNE	0	8,077	0
TOTALS	143,781	117,985	19,175

ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC. (WASHTENAW COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	2,120	0	1,058
GENESEE	710	20	0
INGHAM	3,104	10,363	486
LIVINGSTON	199,915	5,723	16,827
MACOMB	219,361	27,260	157,335
MONROE	0	921	0
OAKLAND	1,481,577	119,713	187,344
WASHTENAW	168,444	128,142	67,640
WAYNE	966,820	607,684	580,149
TOTALS	3,042,051	899,826	1,010,839

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY (OTTAWA COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	71,885	27,302	7,194
BARRY	11	860	0
BERRIEN	0	342	0
BRANCH	0	85	0
CALHOUN	0	40	139
CLINTON	0	10	0
EATON	1,097	50	0
IONIA	13,428	2,301	12
KALAMAZOO	25	41,091	64
KENT	121,996	56,504	15,708
MASON	0	130	0
MECOSTA	60	180	36
MONTCALM	15,189	12,611	229
MUSKEGON	57,745	9,150	886
NEWAYGO	22	460	0
OCEANA	2	3	0
OTTAWA	219,863	62,928	31,757
ST JOSEPH	0	0	53
VAN BUREN	744	3,130	612
TOTALS	502,067	217,177	56,690

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

BRENT RUN LANDFILL (GENESEE COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	31,381	7	15,272
BAY	4,190	257	40,496
CANADA	1,246,269	23,190	318,726
CASS	0	0	13
CLINTON	10	1,257	478
EATON	0	51	148
GENESEE	225,776	39,729	73,114
GRAND TRAVERSE	0	0	395
GRATIOT	2,650	1,588	10,910
ILLINOIS	0	0	79
INGHAM	1,165	0	1,724
JACKSON	0	0	8
LAPEER	93,365	3,528	23,787
LENAWEE	0	97	0
LIVINGSTON	588	272	463
OAKLAND	18,852	1	16,566
OHIO	0	22,951	0
SAGINAW	22,088	11,249	179,295
SANILAC	3,663	1,060	82
SHIAWASSEE	5,217	89	9,794
ST JOSEPH	0	0	22
TUSCOLA	9,867	5,622	9,108
WASHTENAW	64	4,121	79
WAYNE	0	34,196	23
TOTALS	1,665,145	149,265	700,582

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

C & C EXPANDED SANITARY LANDFILL (CALHOUN COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	488	20,581	56
BARRY	161	220	948
BERRIEN	56	0	0
BRANCH	64,074	36,743	16,385
CALHOUN	152,620	67,325	74,015
CASS	10	0	0
CLINTON	232	6,580	51
EATON	55,485	12,054	7,004
HILLSDALE	13,654	150	580
INGHAM	30,701	944	12,578
JACKSON	0	40	260
KALAMAZOO	448,644	59,346	22,898
MUSKEGON	19	0	0
ST JOSEPH	1,404	300	177
VAN BUREN	0	260	0
TOTALS	767,548	204,543	134,952

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

CARLETON FARMS LANDFILL (WAYNE COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	1,445,197	458,148	173,375
CLINTON	0	10	0
EATON	0	5	40
FLORIDA	0	31,113	2,570
KALAMAZOO	0	1,140	40
KALKASKA	0	40	0
LENAWEE	4,104	310	494
LIVINGSTON	18	292	27
MACOMB	670	6,354	201
MARYLAND	70	80	42
MASSACHUSETTS	9	0	36
MONROE	63,373	13,628	37,025
NEW YORK	0	16,554	0
OAKLAND	26,898	1,640	1,249
OHIO	138	198,921	18
PENNSYLVANIA	0	541	0
VAN BUREN	0	0	12
WASHTENAW	8,778	6,748	7,429
WAYNE	700,081	457,195	47,741
WEST VIRGINIA	0	0	7
TOTALS	2,249,336	1,192,719	270,306

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

CENTRAL SANITARY LANDFILL (MONTCALM COUNTY)			
ORIGIN	MCW	IW	C&D
CLINTON	7	0	0
GRATIOT	4,967	0	116
IONIA	15,355	1,504	14,408
ISABELLA	27,043	42	49
KENT	302,807	53,116	1,115
LAKE	0	6	0
MASON	23	54	0
MECOSTA	50,479	2,718	5,831
MONTCALM	19,640	2,156	6,134
NEWAYGO	55,346	2,496	618
OSCEOLA	5,168	439	174
OTTAWA	0	0	3
TOTALS	480,835	62,531	28,448

CES LANDFILL INC OF HASTINGS (BARRY COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	369	840	0
BARRY	46,035	4,211	1,861
BERRIEN	14	0	0
BRANCH	0	102	0
CALHOUN	4	310	0
CLINTON	61	20	0
EATON	27,253	910	3
HILLSDALE	0	32	0
INGHAM	1,043	40	0
IONIA	28,539	317	121
KALAMAZOO	41	0	21
KENT	8,806	1,983	6
MONTCALM	18	0	0
TOTALS	112,183	8,765	2,012

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

CITIZENS DISPOSAL INC (GENESEE COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	112,138	5,981	27,411
CLINTON	0	0	44
GENESEE	353,362	80,581	189,157
INGHAM	0	1,673	200
KENT	36	0	0
LAPEER	7,331	6,228	2,356
LENAWEE	3	0	0
LIVINGSTON	24,996	24,281	3,332
OAKLAND	5,937	27,241	3,879
SAGINAW	4,867	0	121
SANILAC	275	0	0
SHIAWASSEE	6,881	2,194	1,178
TUSCOLA	13,182	640	337
WASHTENAW	118	0	4
WAYNE	0	7,670	36
TOTALS	529,126	156,489	228,055

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

CITY ENVIRONMENTAL SERVICES INC OF WATERS (CRAWFORD COUNTY)			
ORIGIN	MCW	IW	C&D
ALPENA	0	4,409	0
ANTRIM	5,715	1,486	0
ARENAC	19	0	0
CHARLEVOIX	24,109	36,402	14
CHEBOYGAN	6,244	9,693	0
CHIPPEWA	0	1	0
CRAWFORD	28,183	25,883	471
EMMET	0	211	898
GRAND TRAVERSE	674	7	0
IOSCO	69,636	70	0
KALKASKA	8,593	12,128	9
MACKINAC	9	8	0
OGEMAW	9	10	114
OTSEGO	57,354	2,464	14,709
PRESQUE ISLE	1,594	1,591	0
ROSCOMMON	4,105	15	252
TOTALS	206,244	94,378	16,467

CITY OF LIVONIA LANDFILL (WAYNE COUNTY)			
ORIGIN	MCW	IW	C&D
WAYNE	0	4,782	0
TOTALS	0	4,782	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

CITY OF MIDLAND SANITARY LANDFILL (MIDLAND COUNTY)			
ORIGIN	MCW	IW	C&D
BAY	0	11,552	0
MIDLAND	188,076	60,384	171,029
SAGINAW	0	990	0
TOTALS	188,076	72,926	171,029

CONSUMERS ENERGY CO J H CAMPBELL COMPLEX (OTTAWA COUNTY)			
ORIGIN	MCW	IW	C&D
MUSKEGON	0	61,363	0
OTTAWA	0	142,678	0
TOTALS	0	204,041	0

CONSUMERS ENERGY COMPANY DE KARN (BAY COUNTY)			
ORIGIN	MCW	IW	C&D
BAY	0	2,596	0
TOTALS	0	2,596	0

COUNTY OF MUSKEGON - SOLID WASTE LANDFILL (MUSKEGON COUNTY)			
ORIGIN	MCW	IW	C&D
MUSKEGON	151,704	37,684	39,827
NEWAYGO	21,814	0	649
OTTAWA	1,693	0	0
TOTALS	175,211	37,684	40,476

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

DAFTER SANITARY LANDFILL (CHIPPEWA COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	33,366	38	0
CHIPPEWA	41,712	2,945	0
LUCE	8,736	0	0
MACKINAC	20,451	1,311	0
TOTALS	104,265	4,294	0

DELTA COUNTY LANDFILL (DELTA COUNTY)			
ORIGIN	MCW	IW	C&D
BARAGA	0	8,411	0
DELTA	64,602	7,519	11,310
MENOMINEE	0	14,796	0
TOTALS	64,602	30,726	11,310

DETROIT EDISON CO RANGE RD ASH DISPOSAL (ST CLAIR COUNTY)			
ORIGIN	MCW	IW	C&D
ST CLAIR	0	256,026	0
TOTALS	0	256,026	0

DETROIT EDISON CO SIBLEY QUARRY (WAYNE COUNTY)			
ORIGIN	MCW	IW	C&D
MONROE	0	15,097	0
WAYNE	0	97,211	0
TOTALS	0	112,308	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

EAGLE VALLEY RECYCLE & DISPOSAL FACILITY (OAKLAND COUNTY)			
ORIGIN	MCW	IW	C&D
LAPEER	7,251	0	0
MACOMB	127,782	8,188	15
OAKLAND	520,569	59,651	15,966
WASHTENAW	0	1	0
WAYNE	38,685	49,575	18
TOTALS	694,287	117,415	15,999

EDWARD C LEVY CO LANDFILL (WAYNE COUNTY)			
ORIGIN	MCW	IW	C&D
WAYNE	0	284,744	0
TOTALS	0	284,744	0

ELK RUN LANDFILL (PRESQUE ISLE COUNTY)			
ORIGIN	MCW	IW	C&D
ANTRIM	1,990	0	0
CHARLEVOIX	0	0	390
CHEBOYGAN	26,574	12,281	15,433
CHIPPEWA	42,465	0	0
EMMET	68,235	310	31,555
KALKASKA	0	0	4,330
MACKINAC	1,089	855	0
PRESQUE ISLE	4,089	2,540	3,149
TOTALS	144,442	15,986	54,857

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

ESCANABA PAPER COMPANY (DELTA COUNTY)			
ORIGIN	MCW	IW	C&D
DELTA	0	149,603	0
TOTALS	0	149,603	0

FOREST LAWN LANDFILL INC (BERRIEN COUNTY)			
ORIGIN	MCW	IW	C&D
BERRIEN	187,918	981	5,025
ILLINOIS	34,379	10	72
INDIANA	541,993	24,183	12,856
KALAMAZOO	75	5	0
VAN BUREN	68,998	0	0
TOTALS	833,363	25,179	17,953

GENERAL MOTORS LLC - SAGINAW METAL CASTING OPERATIONS (SAGINAW COUNTY)			
ORIGIN	MCW	IW	C&D
SAGINAW	0	72,168	0
TOTALS	0	72,168	0

GLENS SANITARY LANDFILL (LEELANAU COUNTY)			
ORIGIN	MCW	IW	C&D
ANTRIM	5,713	220	233
BENZIE	2,037	46	735
GRAND TRAVERSE	55,067	1,172	7,358
KALKASKA	218	10	150
LEELANAU	30,766	682	6,080
MANISTEE	0	225	48
TOTALS	93,801	2,355	14,604

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

GRANGER GRAND RIVER LANDFILL (CLINTON COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	23	0	0
BARRY	254	0	0
CALHOUN	31	0	0
CLINTON	9,279	0	0
EATON	54,708	0	0
GENESEE	3	0	0
GRATIOT	392	0	0
INGHAM	38,510	0	0
IONIA	7,253	0	0
ISABELLA	83	0	0
LIVINGSTON	909	0	0
MONTCALM	9	0	0
OAKLAND	2	0	0
SAGINAW	10	0	0
SHIAWASSEE	229	0	0
WASHTENAW	2	0	0
WAYNE	2	0	0
TOTALS	111,699	0	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

GRANGER WOOD STREET LANDFILL (CLINTON COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	3,056	0	0
BARRY	768	0	0
BRANCH	30	0	0
CALHOUN	77	0	0
CLINTON	118,938	0	0
EATON	134,201	0	0
GENESEE	142	0	0
GRATIOT	14,804	0	0
INGHAM	876,188	0	0
IONIA	20,055	0	0
ISABELLA	5,622	0	0
JACKSON	642	0	0
KALAMAZOO	53	0	0
LIVINGSTON	47,858	0	0
MONTCALM	5,476	0	0
OAKLAND	232	0	0
SAGINAW	139	0	0
SHIAWASSEE	20,961	0	0
WASHTENAW	196	0	0
WAYNE	8,447	0	0
TOTALS	1,257,885	0	0

GREAT LAKES PULP COMPANY TYPE III LANDFILL (MENOMINEE COUNTY)			
ORIGIN	MCW	IW	C&D
MENOMINEE	0	7,441	0
TOTALS	0	7,441	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

HIAWATHA SHORES LANDFILL INC (SCHOOLCRAFT COUNTY)			
ORIGIN	MCW	IW	C&D
SCHOOLCRAFT	12,823	5,834	8,439
TOTALS	12,823	5,834	8,439

HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL (OTTAWA COUNTY)			
ORIGIN	MCW	IW	C&D
OTTAWA	0	120	0
TOTALS	0	120	0

HURON LANDFILL CORP. - DBA HURON LANDFILL (HURON COUNTY)			
ORIGIN	MCW	IW	C&D
HURON	160,104	0	0
LAPEER	10,616	0	0
SANILAC	23,197	0	0
TUSCOLA	33,488	0	0
TOTALS	227,405	0	0

J R WHITING ELECTRIC GENERATING STATION (MONROE COUNTY)			
ORIGIN	MCW	IW	C&D
MONROE	0	41,004	0
TOTALS	0	41,004	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

K & W LANDFILL (ONTONAGON COUNTY)			
ORIGIN	MCW	IW	C&D
BARAGA	14,826	12,705	0
GOGEBIC	24,341	6,018	0
HOUGHTON	66,434	12,837	0
IRON	12,355	359	0
KEWEENAW	2,954	0	0
ONTONAGON	9,831	0	0
WISCONSIN	56,914	9	0
TOTALS	187,655	31,928	0

LAFARGE MIDWEST INC (ALPENA COUNTY)			
ORIGIN	MCW	IW	C&D
ALPENA	0	209,377	0
TOTALS	0	209,377	0

LIBERTY ENVIRONMENTALISTS LANDFILL (JACKSON COUNTY)			
ORIGIN	MCW	IW	C&D
BRANCH	0	0	195
CALHOUN	0	0	2,771
EATON	0	0	779
HILLSDALE	0	16,125	5,644
INGHAM	0	0	1,824
JACKSON	0	25,391	60,987
LENAWEE	0	0	7,314
LIVINGSTON	0	0	18
OHIO	0	67,050	0
WASHTENAW	0	0	7,109
TOTALS	0	108,566	86,641

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

MANISTEE COUNTY LANDFILL INC (MANISTEE COUNTY)			
ORIGIN	MCW	IW	C&D
BENZIE	12,027	0	526
GRAND TRAVERSE	17,450	5,598	0
LAKE	6,772	0	616
LEELANAU	23	0	0
MANISTEE	83,849	200,112	12,640
MASON	60,438	5,126	2,254
WEXFORD	10,491	0	0
TOTALS	191,050	210,836	16,036

MANISTIQUE PAPERS LANDFILL (SCHOOLCRAFT COUNTY)			
ORIGIN	MCW	IW	C&D
SCHOOLCRAFT	0	154,558	0
TOTALS	0	154,558	0

MARQUETTE COUNTY LANDFILL (MARQUETTE COUNTY)			
ORIGIN	MCW	IW	C&D
MARQUETTE	159,650	0	0
TOTALS	159,650	0	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

MATLIN ROAD LANDFILL (MONROE COUNTY)			
ORIGIN	MCW	IW	C&D
MONROE	2,600	0	0
OAKLAND	468	0	0
OHIO	356	0	0
WASHTENAW	2,288	0	0
WAYNE	40,170	0	0
TOTALS	45,882	0	0

MCGILL ROAD LANDFILL (JACKSON COUNTY)			
ORIGIN	MCW	IW	C&D
HILLSDALE	0	0	2
JACKSON	89,698	17,001	48,960
TOTALS	89,698	17,001	48,962

MICHIGAN ENVIRONS INC (MENOMINEE COUNTY)			
ORIGIN	MCW	IW	C&D
DICKINSON	0	1,789	0
MENOMINEE	26,114	11,001	4,987
WISCONSIN	101,105	429,970	917
TOTALS	127,219	442,760	5,904

MONROE POWER PLANT (MONROE COUNTY)			
ORIGIN	MCW	IW	C&D
MONROE	0	348,206	0
TOTALS	0	348,206	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

MONTMORENCY-OSCODA-ALPENA SWMA (MONTMORENCY COUNTY)			
ORIGIN	MCW	IW	C&D
ALCONA	173	0	667
ALPENA	60,107	11,919	11,083
CHEBOYGAN	5,024	0	661
MONTMORENCY	18,239	7,808	5,500
OSCODA	15,005	673	2,717
OTSEGO	461	69	1,012
PRESQUE ISLE	10,389	0	2,398
TOTALS	109,398	20,469	24,038

NIAGARA DEVELOPMENT LLC (DICKINSON COUNTY)			
ORIGIN	MCW	IW	C&D
DICKINSON	0	21,073	0
TOTALS	0	21,073	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY (CLARE COUNTY)			
ORIGIN	MCW	IW	C&D
ALCONA	33	3,410	18
ARENAC	3,460	210	0
CLARE	41,429	4,247	16,334
EMMET	0	1	0
GLADWIN	16,937	552	3,923
GRATIOT	17,469	984	1,514
IOSCO	0	60	0
ISABELLA	65,548	5,407	10,305
KALKASKA	0	0	6
LAKE	302	0	51
MECOSTA	13,436	113	1,923
MISSAUKEE	5,329	6,893	498
MONTCALM	123	35	10
OGEMAW	5,400	210	122
OSCEOLA	15,471	2,573	2,533
ROSCOMMON	27,491	385	6,241
WEXFORD	11,972	36	1,736
TOTALS	224,400	25,116	45,214

OAKLAND HEIGHTS DEVELOPMENT INC (OAKLAND COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	0	0	126
GENESEE	0	0	26
LAPEER	0	3	0
MACOMB	94,835	2,576	8,969
OAKLAND	364,063	4,581	220,605
WAYNE	1,161	223	1,731
TOTALS	460,059	7,383	231,457

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

ORCHARD HILL SANITARY LANDFILL (BERRIEN COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	1,472	0	0
BARRY	13	0	0
BERRIEN	148,714	0	0
CALHOUN	112	0	0
CASS	13,070	0	0
KALAMAZOO	250,022	0	0
ST JOSEPH	125	0	0
VAN BUREN	91,168	0	0
TOTALS	504,696	0	0

OTTAWA COUNTY FARMS LANDFILL (OTTAWA COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	23,798	551	124
BARRY	109	712	0
BERRIEN	0	4,674	0
BRANCH	0	14	0
EATON	53	41	0
GRATIOT	0	16	0
IONIA	0	705	38
KALAMAZOO	53	33	39
KENT	64,384	135,202	22,742
MASON	164	12,906	38
MECOSTA	0	68	0
MONTCALM	263	88	41
MUSKEGON	199,411	71,449	9,173
NEWAYGO	33	38	366
OCEANA	33,940	6,928	1,422
OTTAWA	247,109	98,422	23,679
VAN BUREN	0	1,695	0
TOTALS	569,317	333,542	57,662

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

PEOPLES LANDFILL INC (SAGINAW COUNTY)			
ORIGIN	MCW	IW	C&D
BAY	105,630	39,277	60
CLINTON	7	0	0
GENESEE	0	19,459	0
GRATIOT	32,222	766	2,331
SAGINAW	283,948	63,677	5,449
TUSCOLA	8,448	2,250	142
TOTALS	430,255	125,429	7,982

PINE TREE ACRES INC (MACOMB COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	3,367,278	190	54
LAPEER	1,699	30	30
MACOMB	988,924	141,525	21,529
OAKLAND	12,654	1,365	0
WASHTENAW	0	40	40
WAYNE	4,239	488,934	710
TOTALS	4,374,794	632,084	22,363

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

PITSCH SANITARY LANDFILL (IONIA COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	0	0	1,098
BARRY	48	0	576
CALHOUN	0	0	1,554
CASS	24	0	0
CLINTON	12	0	189
INGHAM	27	0	16,788
IONIA	1,842	531	15,786
ISABELLA	6,087	0	69
KALAMAZOO	0	0	18
KENT	1,911	31	146,688
MASON	3	0	0
MECOSTA	15,423	0	10,866
MONTCALM	18,339	3	15,384
MUSKEGON	0	0	417
OTTAWA	0	0	5,343
ST JOSEPH	0	0	315
TOTALS	43,716	565	215,091

RICHFIELD LANDFILL INC (GENESEE COUNTY)			
ORIGIN	MCW	IW	C&D
GENESEE	18,222	0	0
LAPEER	36	0	0
LIVINGSTON	173	0	0
OAKLAND	24,822	0	0
TUSCOLA	463	0	0
TOTALS	43,716	0	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

RIVERVIEW LAND PRESERVE (WAYNE COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	252,677	1,720	0
LENAWEE	0	1,548	0
MACOMB	258,521	15,890	81
MONROE	212,109	14,549	0
OAKLAND	8,350	13,087	15,288
OHIO	0	0	12
WASHTENAW	467	301	129
WAYNE	597,875	49,336	733,714
TOTALS	1,329,999	96,431	749,224

SAUK TRAIL HILLS LANDFILL (WAYNE COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	0	15,025	0
JACKSON	0	66	76
LIVINGSTON	100	487	278
MACOMB	45	1,884	0
MONROE	27	57,915	3,876
OAKLAND	505	11,187	422
OHIO	32	467	0
ST CLAIR	0	156	0
WASHTENAW	11,926	15,008	17,069
WAYNE	778,343	226,704	268,261
TOTALS	790,978	328,899	289,982

SMITHS CREEK LANDFILL (ST CLAIR COUNTY)			
ORIGIN	MCW	IW	C&D
ST CLAIR	507,424	53,904	103,751
TOTALS	507,424	53,904	103,751

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

SOUTH KENT LANDFILL (KENT COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	62,483	0	0
BARRY	10,787	0	0
CALHOUN	25	0	0
CLINTON	29	0	0
EATON	16	0	0
IONIA	982	0	0
KALAMAZOO	928	0	0
KENT	579,798	0	0
MECOSTA	2	0	0
MONTCALM	60	0	0
NEWAYGO	20	0	0
OCEANA	39	0	0
OTTAWA	37,244	0	0
VAN BUREN	116	0	0
TOTALS	692,529	0	0

SOUTHEAST BERRIEN COUNTY LANDFILL (BERRIEN COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	14,349	0	0
BERRIEN	410,154	18,387	15,822
CASS	30,660	7,412	914
ILLINOIS	17,340	11,682	0
INDIANA	61,703	44,047	7,246
KALAMAZOO	34	0	0
ST JOSEPH	0	8,640	0
VAN BUREN	106	0	0
TOTALS	534,346	90,168	23,982

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

SPARTA FOUNDRY WASTE FACILITY (KENT COUNTY)			
ORIGIN	MCW	IW	C&D
KENT	0	2,754	0
TOTALS	0	2,754	0

ST MARYS CEMENT INC (CHARLEVOIX COUNTY)			
ORIGIN	MCW	IW	C&D
CHARLEVOIX	0	26,235	0
TOTALS	0	26,235	0

TRI-CITY RECYCLING AND DISPOSAL FACILITY (SANILAC COUNTY)			
ORIGIN	MCW	IW	C&D
HURON	17,668	11,848	33
LAPEER	33,605	106	0
MACOMB	0	36	0
SANILAC	62,389	22,119	6,192
TUSCOLA	11,314	11,985	530
TOTALS	124,976	46,094	6,755

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

VENICE PARK RECYCLING & DISPOSAL FACIL (SHIAWASSEE COUNTY)			
ORIGIN	MCW	IW	C&D
BAY	0	5	0
CLINTON	14,273	7,292	0
EATON	1,097	685	0
GENESEE	222,428	38,618	819
GRATIOT	2,563	80	30
INGHAM	62,173	3,419	2
IONIA	56	26	0
LAPEER	8,207	630	0
LIVINGSTON	84,456	7,742	0
MACOMB	11	42	0
MECOSTA	5	36	0
MONTCALM	2,320	40	0
OAKLAND	5,075	45,315	0
SAGINAW	9,772	293	5
SHIAWASSEE	78,288	58,063	4,710
WASHTENAW	0	230	0
WAYNE	0	85,530	0
TOTALS	490,724	248,046	5,566

VERSO PAPER CORP (DICKINSON COUNTY)			
ORIGIN	MCW	IW	C&D
DICKINSON	0	125,547	0
TOTALS	0	125,547	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL (MONROE COUNTY)			
ORIGIN	MCW	IW	C&D
LENAWEE	24	0	0
MONROE	76,993	18,463	593
NEW YORK	31	0	0
OHIO	489,443	517,820	2,266
PENNSYLVANIA	0	13,290	0
WAYNE	74	56,452	0
TOTALS	566,565	606,025	2,859

WE ENERGIES PRESQUE ISLE POWER PLANT (MARQUETTE COUNTY)			
ORIGIN	MCW	IW	C&D
MARQUETTE	0	35,672	0
TOTALS	0	35,672	0

WEADOCK COMPLEX (BAY COUNTY)			
ORIGIN	MCW	IW	C&D
BAY	0	2,270	0
TOTALS	0	2,270	0

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

WESTSIDE RECYCLING & DISPOSAL FACILITY (ST JOSEPH COUNTY)			
ORIGIN	MCW	IW	C&D
ALLEGAN	508	14,654	0
BERRIEN	13,027	1,225	215
BRANCH	21,243	3,620	15
CALHOUN	107,099	7,884	95
CASS	22,719	2,012	1,034
EATON	36	0	0
HILLSDALE	0	320	0
INDIANA	9,362	17,064	0
KALAMAZOO	160,702	154,936	11,487
OTTAWA	0	20	0
ST JOSEPH	119,192	97,506	3,243
VAN BUREN	13,540	4,918	0
TOTALS	467,428	304,159	16,089

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

WEXFORD COUNTY LANDFILL, LLC (WEXFORD COUNTY)			
ORIGIN	MCW	IW	C&D
ALCONA	0	805	0
ANTRIM	2,008	0	0
BENZIE	4,144	0	1,376
CHARLEVOIX	26,509	0	2,127
CRAWFORD	3,163	0	2
EMMET	4	0	0
GRAND TRAVERSE	207,859	0	707
KALKASKA	119,347	0	125
MANISTEE	1,217	0	151
MECOSTA	466	0	5
MISSAUKEE	39,030	1,428	1,652
OSCEOLA	2,862	0	130
OTSEGO	846	38,745	378
WEXFORD	52,155	15,596	15,873
TOTALS	459,610	56,574	22,526

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

WHITEFEATHER LANDFILL (BAY COUNTY)			
ORIGIN	MCW	IW	C&D
ALCONA	479	561	486
ANTRIM	2	0	0
ARENAC	20,739	6,483	6,133
BAY	123,052	30,969	19,955
CHARLEVOIX	37	0	0
CLARE	10,639	0	518
GENESEE	11	0	0
GLADWIN	31,676	5,273	3,937
IOSCO	43,248	8,242	6,283
ISABELLA	5,075	212	433
MIDLAND	381	1,405	20
OGEMAW	20,104	1,014	6,281
ROSCOMMON	26,759	60	0
SAGINAW	46,285	2,710	4,464
TUSCOLA	20	165	3,412
TOTALS	328,507	57,094	51,922

WOOD ISLAND WASTE MANAGEMENT INC (ALGER COUNTY)			
ORIGIN	MCW	IW	C&D
ALGER	18,476	11,804	0
CHIPPEWA	606	400	0
DELTA	4,444	0	0
DICKINSON	97,973	6,580	0
HOUGHTON	864	0	0
IRON	0	36	0
LUCE	1,371	746	0
MARQUETTE	0	0	275
SCHOOLCRAFT	1,016	111	0
WISCONSIN	3,655	0	0
TOTALS	128,405	19,677	275

APPENDIX B
LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2013
 (All Values are in Cubic Yards)

WOODLAND MEADOWS RDF-VAN BUREN (WAYNE COUNTY)			
ORIGIN	MCW	IW	C&D
CANADA	191,658	5,520	0
GENESEE	0	12	0
JACKSON	0	432	0
LENAWEE	989	936	0
LIVINGSTON	47,824	1,532	20
MACOMB	580	90	1,513
MONROE	91,853	1,350	308
OAKLAND	148,407	3,751	586
OHIO	58	0	0
WASHTENAW	517,681	33,889	4,027
WAYNE	1,056,905	970,456	69,619
TOTALS	2,055,955	1,017,968	76,073