STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

RICK SNYDER
GOVERNOR

KEITH CREAGH
DIRECTOR

VIA E-MAIL

TO: Members of the Michigan Legislature

FROM: Keith Creagh, Director

DATE: January 29, 2016

SUBJECT: Report of Solid Waste Landfilled in Michigan for Fiscal Year (FY) 2015

In accordance with Section 11507a(2) of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, attached is the Department of Environmental Quality's (DEQ) Report of Solid Waste Landfilled in Michigan for FY 2015.

There was an overall 1.5 percent increase in solid waste disposed of in Michigan landfills last year.

FY 2015	47,417,841 cubic yards disposed
FY 2014	46,727,460 cubic yards disposed

Waste from Michigan residents and businesses increased by 395,942 cubic yards. Imported waste increased by 294,439 cubic yards.

Total imported solid waste was 22.7 percent of all waste disposed of in Michigan landfills in FY 2015. The largest source of waste imports into Michigan continues to be from Canada at 17.1 percent of all waste disposed of in Michigan landfills.

FY 2015	10,763,841 cubic yards disposed from other states and Canada
FY 2014	10,469,402 cubic yards disposed from other states and Canada

Michigan landfills have a total of approximately 27 years of remaining noncaptive disposal capacity based on the capacity used during FY 2015, additional permitted landfill capacity, and the total remaining capacity of facilities open to the public. Note, this estimate does not take into consideration any projected increase or decrease in waste disposal rates, waste diversion programs, or any imposed restrictions such as volume limitations, any special conditions, or the waste import/export authorizations of each county.

If you need further information, please contact Bryce Feighner, Chief, Office of Waste Management and Radiological Protection, at 517-284-6551; or you may contact me at 517-284-6700.

Attachment

cc/att: Dick Posthumus, Governor's Office
Angela Ayers, Governor's Office
Jim Sygo, Chief Deputy Director, DEQ
Madhu R. Anderson, Deputy Director, DEQ
Amy Epkey, Deputy Director, DEQ
Maggie Pallone, Deputy Director, DEQ
Sarah M. Howes, Legislative Liaison, DEQ
Bryce Feighner, DEQ
Kathy Tetzlaff, DEQ
Steve Sliver, DEQ
Rhonda Oyer, DEQ
Duane Roskoskey, DEQ
Christina Miller, DEQ

REPORT OF SOLID WASTE LANDFILLED IN MICHIGAN

October 1, 2014 through September 30, 2015

Rick Snyder, Governor
Keith Creagh, Director

Prepared By:
Michigan Department of Environmental Quality
Office of Waste Management and Radiological Protection
Solid Waste Section
P.O. Box 30241
Lansing, Michigan 48909-7741
517-284-6551

January 26, 2016

TABLE OF CONTENTS

		PAGE
INTRODUCTION		1
WASTE DISPOSAL SUMMARY INFORMATION		2
TABLE 1	SOLID WASTE DISPOSED IN MICHIGAN LANDFILLS	4
TABLE 2	SOLID WASTE DISPOSED IN MICHIGAN LANDFILLS BY PERCENTAGE	4
FIGURE 1	OUT-OF-STATE WASTE AS PERCENTAGE OF TOTAL DISPOSAL IN MICHIGAN LANDFILLS	5
FIGURE 2	MICHIGAN AND OUT-OF-STATE WASTE AS PERCENTAGE OF TOTAL DISPOSAL IN MICHIGAN LANDFILLS	5
TABLE 3	SOLID WASTE DISPOSAL SOURCE SUMMARY	6
TABLE 3A	INDUSTRIAL WASTE DISPOSAL SOURCE SUMMARY	7
WASTE IMPORTS		8
TABLE 4	IMPORTED WASTE BY ORIGIN	8
FIGURE 3	IMPORTED WASTE BY ORIGIN	9
TABLE 5	IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN	9
TABLE 6	TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY	11
TABLE 6A	TOTAL WASTE DISPOSED BY COUNTY	13
FACILITY INFORMATION		15
TABLE 7	TOTAL WASTE DISPOSAL BY FACILITY	15
TABLE 8	MCW DISPOSAL BY FACILITY	18
TABLE 9	IW AND C&D DISPOSAL BY FACILITY	20
CAPACITY INFORMATION		23
TABLE 10	FACILITY CAPACITY AND YEARS REMAINING FOR NONCAPTIVE FACILITIES	24
APPENDIX A – WASTE TYPE KEY		27
APPENDIX B – LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE		28

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, 2014 through September 30, 2015, and is the twentieth 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[1] 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[2]: 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 47,417,841 cubic yards, an increase of 690,381 cubic yards or about 1.5 percent over the fiscal year (FY) 2014 report data. Waste generated in Michigan increased from 36,258,058 cubic yards in the previous reporting period to 36,654,000 cubic yards, an increase of about 1.1 percent. Total imports of waste into Michigan landfills increased from the previous reporting period from 10,469,402 cubic yards to 10,763,841 cubic yards, an increase of about 2.8 percent. The largest source of waste imports to Michigan continues to be from Canada, with total reported imports to landfills of 8,090,942 cubic yards, up 451,775 cubic yards or about 5.9 percent from the FY 2014 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 22.7 percent of all solid waste disposed in Michigan landfills. Imported waste comprised 22.4 percent of solid waste disposed in Michigan landfills in the previous year. Further, the data that follow outline the out-of-state imports to Michigan over the past twenty FYs. Imports from other states decreased to 2,672,899 cubic yards from 2,830,235 cubic yards, a decrease of about 5.6 percent. This information is presented in Tables 1 and 2, and

Figures 1 and 2 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 noncaptive[3] disposal facilities should be used for the calculation of the 12 cents per cubic yard surcharge. For FY 2015 that amount was 45,801,268 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 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	34,463,573	6,512,223	2,912,750	43,888,546
FY 2013	34,220,847	7,594,716	2,785,700	44,601,263
FY 2014	36,258,058	7,639,167	2,830,235	46,727,460
FY 2015	36,654,000 [4]	8,090,942 [5]	2,672,899 [6]	47,417,841 [7]

TABLE 2 SOLID WASTE DISPOSED IN MICHIGAN LANDFILLS BY PERCENTAGE			
Fiscal Year	**Michigan**	**Canada**	**Other States**
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	78.5%	14.8%	6.6%
FY 2013	76.7%	17%	6.2%
FY 2014	77.6%	16.3%	6.1%
FY 2015	77.3%	17.1%	5.6%

[4] MICHIGAN WASTE: 12,218,000 tons
[5] CANADIAN WASTE: 2,696,981 tons
[6] OTHER STATES WASTE: 890,966 tons
[7] TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS: 15,805,950 tons

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

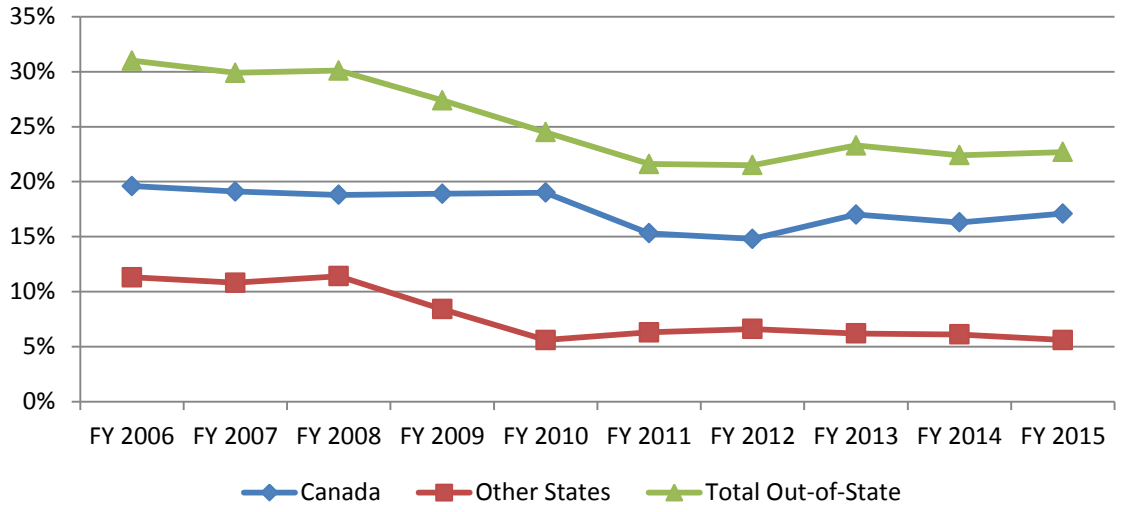
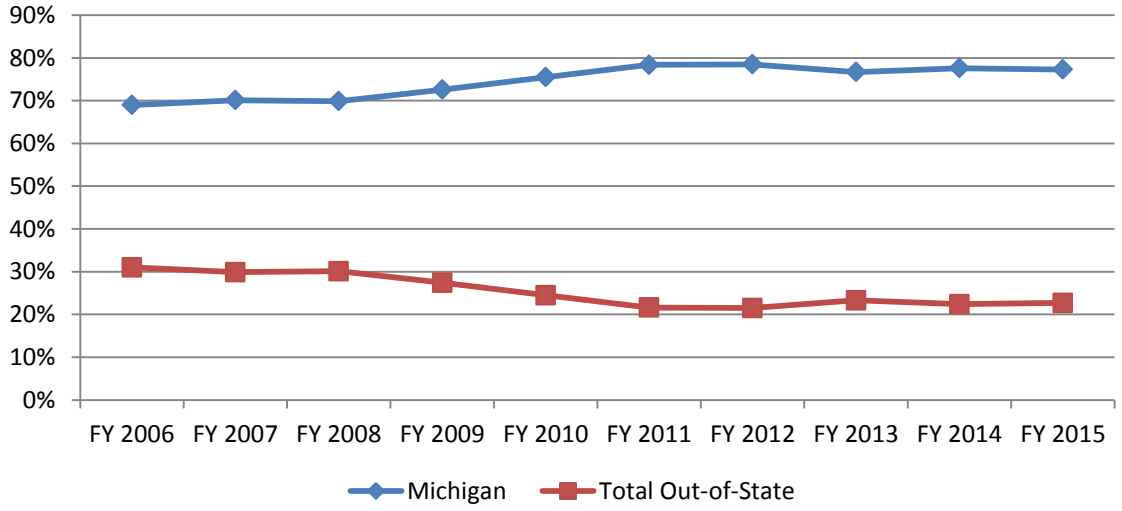


FIGURE 2
MICHIGAN AND OUT-OF-STATE WASTE AS PERCENTAGE OF TOTAL DISPOSAL IN MICHIGAN LANDFILLS



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 – FY 2015
(Volume in Cubic Yards)

WASTE TYPE	IN-STATE	IMPORTED	TOTAL
MCW	22,910,539	8,417,645	31,328,184
MCW – MSW* INCINERATOR ASH	50,133	948	51,081
SUBTOTAL MCW	22,960,672	8,418,593	31,379,265
IW	8,290,555	1,202,957	9,493,512
IW – SEGREGATED	1,060,407	0	1,060,407
IW – SEGREGATED MIXED	139,862	0	139,862
SUBTOTAL IW	9,490,824	1,202,957	10,693,781
C&D	4,202,504	1,142,291	5,344,795
GRAND TOTAL	36,654,000	10,763,841	47,417,841

*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 - FY 2015
(Volume in Cubic Yards)

WASTE TYPE	IN-STATE	IMPORTED	TOTAL
IW - Foundry Sand	245,018	39,819	284,837
IW - General	4,659,539	780,586	5,440,125
IW - Wastewater Sludges	259,017	672	259,689
IW - Other Sludges	183,859	3,720	187,579
IW - Alternative Daily Cover	688,103	205,371	893,474
IW - Other	1,621,115	112,458	1,733,573
IW - Wood Ash	124,821	117	124,938
IW - Coal Ash	1,132,112	58,670	1,190,782
IW - Wood/Paper Sludges	77,453	207	77,660
IW-Wood/Paper Sediment	48,339	0	48,339
IW - Cement Kiln Dust	451,448	1,337	452,785
GRAND TOTAL	9,490,824	1,202,957	10,693,781

WASTE IMPORTS

Based on the reported information for FY 2015, the solid waste industry in Michigan imported solid waste from 3 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 2015
(Volume in Cubic Yards)

WASTE ORIGIN	MCW	IW	C&D	TOTAL WASTE
CANADA	6,833,647	175,661	1,081,634	8,090,942
CONNECTICUT	0	336	0	336
ILLINOIS	113,856	670	576	115,102
INDIANA	812,262	98,300	56,920	967,482
MASSACHUSETTS	0	0	10	10
MINNESOTA	1	0	0	1
NEW JERSEY	0	7	0	7
OHIO	513,672	795,608	513	1,309,793
WISCONSIN	145,155	132,375	2,638	280,168

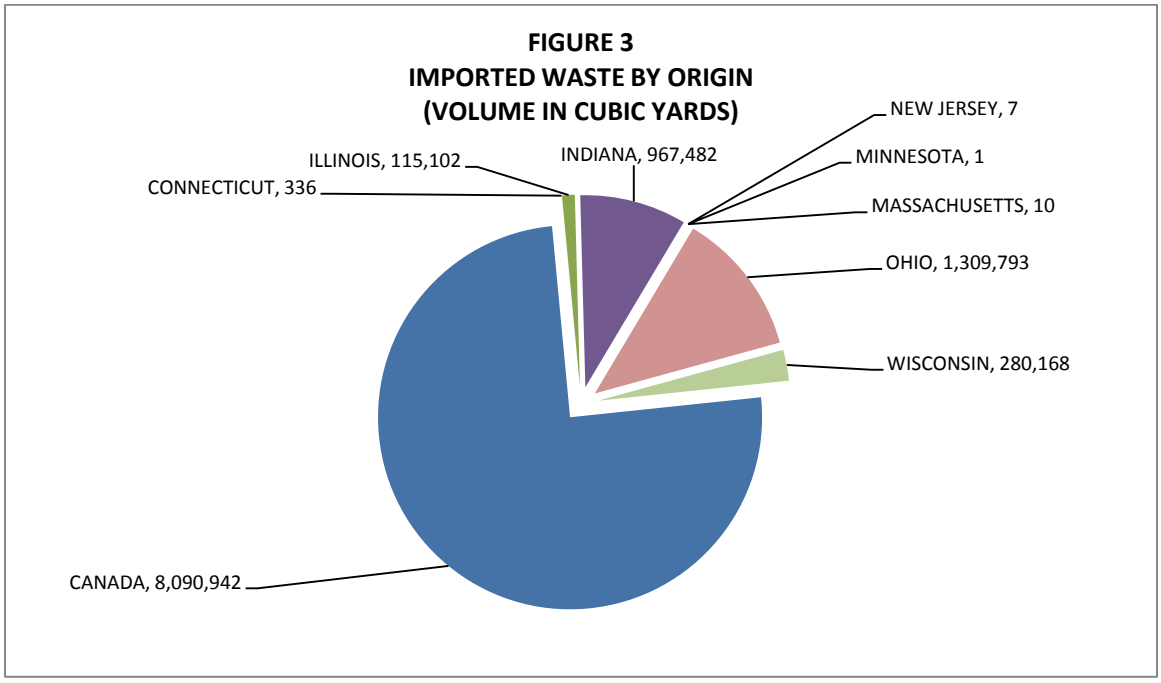


Table 5 shows the total amount of waste imported into each county from all out-of-state sources.

TABLE 5
IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2015
(Volume in Cubic Yards)

COUNTY	WASTE ORIGIN	WASTE VOLUME
ALGER	WISCONSIN	3,597
BERRIEN	ILLINOIS	115,102
BERRIEN	INDIANA	899,190
CHIPPEWA	CANADA	59,989
GENESEE	CANADA	1,656,027
GENESEE	CONNECTICUT	336
GENESEE	OHIO	10,771
JACKSON	OHIO	96,676
MACOMB	CANADA	3,217,685
MENOMINEE	WISCONSIN	207,160
MONROE	INDIANA	525
MONROE	OHIO	986,660
ONTONAGON	WISCONSIN	69,411
ST. CLAIR	CANADA	228,160
ST. JOSEPH	INDIANA	67,766
WASHTENAW	CANADA	140
WASHTENAW	OHIO	5,342

TABLE 5 IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2015 (Volume in Cubic Yards)		
COUNTY	**WASTE ORIGIN**	**WASTE VOLUME**
WAYNE	CANADA	2,928,823
WAYNE	MASSACHUSETTS	10
WAYNE	NEW JERSEY	7
WAYNE	OHIO	210,344
WEXFORD	CANADA	118
WEXFORD	INDIANA	1
WEXFORD	MINNESOTA	1

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 2015 (Volume in Cubic Yards)	
COUNTY	**WASTE VOLUME**
ALCONA	5,926
ALGER	36,085
ALLEGAN	321,046
ALPENA	526,006
ANTRIM	12,983
ARENAC	35,144
BARAGA	37,867
BARRY	75,216
BAY	461,983
BENZIE	309,267
BERRIEN	899,465
BRANCH	142,965
CALHOUN	434,720
CASS	156,653
CHARLEVOIX	136,163
CHEBOYGAN	104,680
CHIPPEWA	104,742
CLARE	78,430
CLINTON	155,810
CRAWFORD	59,902
DELTA	200,597
DICKINSON	260,017
EATON	284,734
EMMET	109,657
GENESEE	1,069,295
GLADWIN	62,404
GOGEBIC	20,844
GRAND TRAVERSE	336,314
GRATIOT	132,384
HILLSDALE	78,819
HOUGHTON	73,760
HURON	220,236
INGHAM	1,036,669

TABLE 6 TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2015 (Volume in Cubic Yards)	
COUNTY	**WASTE VOLUME**
IONIA	122,185
IOSCO	133,709
IRON	11,510
ISABELLA	124,702
JACKSON	348,001
KALAMAZOO	1,132,522
KALKASKA	136,222
KENT	1,806,249
KEWEENAW	2,630
LAKE	9,323
LAPEER	217,977
LEELANAU	22,690
LENAWEE	191,098
LIVINGSTON	419,987
LUCE	6,826
MACKINAC	23,875
MACOMB	2,069,286
MANISTEE	285,481
MARQUETTE	210,968
MASON	97,464
MECOSTA	94,502
MENOMINEE	67,749
MIDLAND	384,516
MISSAUKEE	77,347
MONROE	1,026,261
MONTCALM	103,377
MONTMORENCY	34,538
MUSKEGON	686,009
NEWAYGO	99,054
OAKLAND	3,485,346
OCEANA	46,328
OGEMAW	45,749
ONTONAGON	9,828
OSCEOLA	41,626
OSCODA	18,703
OTSEGO	80,415
OTTAWA	998,059

TABLE 6 TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2015 (Volume in Cubic Yards)	
COUNTY	**WASTE VOLUME**
PRESQUE ISLE	23,371
ROSCOMMON	81,159
SAGINAW	652,045
SANILAC	124,961
SCHOOLCRAFT	37,406
SHIAWASSEE	176,802
ST. CLAIR	915,291
ST. JOSEPH	249,983
TUSCOLA	112,276
VAN BUREN	186,575
WASHTENAW	1,413,435
WAYNE	9,888,307
WEXFORD	139,494

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 2015 (Volume in Cubic Yards)	
COUNTY	**TOTAL WASTE VOLUME**
ALGER	159,541
ALPENA	432,729
BARRY	130,561
BAY	632,653
BERRIEN	2,457,837
CALHOUN	1,162,898
CHARLEVOIX	12,585
CHIPPEWA	119,033
CLARE	278,127
CLINTON	1,550,337
CRAWFORD	309,739
DELTA	206,640

TABLE 6A TOTAL WASTE DISPOSED BY COUNTY - FY 2015 (Volume in Cubic Yards)	
COUNTY	**TOTAL WASTE VOLUME**
DICKINSON	150,993
GENESEE	3,537,971
HURON	248,928
IONIA	315,387
JACKSON	325,184
KENT	942,795
LEELANAU	79,281
MACOMB	4,727,122
MANISTEE	409,485
MARQUETTE	210,955
MENOMINEE	266,279
MIDLAND	395,610
MONROE	1,531,428
MONTCALM	543,891
MONTMORENCY	146,976
MUSKEGON	307,109
OAKLAND	1,523,595
ONTONAGON	206,547
OTTAWA	2,206,811
PRESQUE ISLE	302,347
SAGINAW	549,863
SANILAC	157,872
SCHOOLCRAFT	49,798
SHIAWASSEE	611,486
ST. CLAIR	1,143,387
ST. JOSEPH	773,289
WASHTENAW	5,666,226
WAYNE	11,960,032
WEXFORD	674,514

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.

TABLE 7
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2015
(Volume in Cubic Yards)

FACILITY NAME	MCW DISPOSED	IW AND C&D DISPOSED	TOTAL WASTE DISPOSED
ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC.	3,609,916	2,056,310	5,666,226
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	493,385	385,844	879,229
BRENT RUN LANDFILL	1,406,406	1,189,399	2,595,805
C & C EXPANDED SANITARY LANDFILL	836,544	326,354	1,162,898
CARLETON FARMS LANDFILL	2,945,328	1,616,330	4,561,658
CENTRAL SANITARY LANDFILL	480,127	63,764	543,891
CES LANDFILL, INC. OF HASTINGS	115,082	15,479	130,561
CITIZENS DISPOSAL, INC.	473,166	469,000	942,166
CITY ENVIRONMENTAL SERVICES, INC. OF WATERS	216,749	92,990	309,739
CITY OF LIVONIA LANDFILL	0	5,365	5,365
CITY OF MIDLAND SANITARY LANDFILL	182,968	212,642	395,610
CONSUMERS ENERGY DE KARN	0	74,383	74,383
CONSUMERS ENERGY J H CAMPBELL COMPLEX	0	235,185	235,185
CONSUMERS WEADOCK COMPLEX	0	7,253	7,253
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	185,947	121,162	307,109
DAFTER SANITARY LANDFILL	116,551	2,482	119,033
DELTA COUNTY LANDFILL	68,814	19,435	88,249
DETROIT EDISON CO. RANGE RD. ASH DISPOSAL	0	223,448	223,448

TABLE 7 TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2015 (Volume in Cubic Yards)			
FACILITY NAME	**MCW DISPOSED**	**IW AND C&D DISPOSED**	**TOTAL WASTE DISPOSED**
DETROIT EDISON CO. SIBLEY QUARRY	0	63,829	63,829
DTE MONROE POWER PLANT	0	285,377	285,377
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	742,665	164,549	907,214
EDWARD C. LEVY CO. LANDFILL	0	124,200	124,200
ELK RUN LANDFILL	227,074	75,273	302,347
ESCANABA PAPER COMPANY	0	118,391	118,391
EVER-GREEN LANDFILL AND RECYCLING CENTER, LLC	0	14,698	14,698
FOREST LAWN LANDFILL, INC.	831,414	67,190	898,604
FUTUREMARK MANISTIQUE TYPE III LANDFILL	0	15,025	15,025
GLENS SANITARY LANDFILL	62,771	16,510	79,281
GRANGER GRAND RIVER LANDFILL	25,062	0	25,062
GRANGER WOOD STREET LANDFILL	1,525,275	0	1,525,275
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	2,809	2,809
HIAWATHA SHORES LANDFILL, INC.	28,158	6,615	34,773
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	137	137
HURON LANDFILL CORP. - DBA HURON LANDFILL	248,928	0	248,928
J. R. WHITING ELECTRIC GENERATING STATION	0	46,032	46,032
K & W LANDFILL	175,729	16,120	191,849
LAFARGE MIDWEST, INC.	0	432,729	432,729
LIBERTY ENVIRONMENTALISTS LANDFILL	0	221,681	221,681
MANISTEE COUNTY LANDFILL, INC.	197,515	211,970	409,485
MARQUETTE COUNTY LANDFILL	101,516	83,976	185,492
MATLIN ROAD LANDFILL	0	79,587	79,587
MCGILL ROAD LANDFILL	60,558	42,945	103,503
MICHIGAN ENVIRONS, INC.	111,580	151,890	263,470
MONTMORENCY-OSCODA-ALPENA SWMA	87,700	59,276	146,976
NIAGARA DEVELOPMENT, LLC	0	26,156	26,156

TABLE 7 TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2015 (Volume in Cubic Yards)			
FACILITY NAME	**MCW DISPOSED**	**IW AND C&D DISPOSED**	**TOTAL WASTE DISPOSED**
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	197,352	80,775	278,127
OAKLAND HEIGHTS DEVELOPMENT, INC.	403,329	213,052	616,381
ORCHARD HILL SANITARY LANDFILL	593,261	0	593,261
OTTAWA COUNTY FARMS LANDFILL	647,754	444,506	1,092,260
PEOPLES LANDFILL, INC.	481,603	64,035	545,638
PINE TREE ACRES, INC.	3,915,963	811,159	4,727,122
PITSCH SANITARY LANDFILL	49,849	265,538	315,387
RACER SAGINAW NODULAR INDUSTRIAL LAND	0	4,225	4,225
RIVERVIEW LAND PRESERVE	1,663,160	770,531	2,433,691
SAUK TRAIL HILLS LANDFILL	793,903	413,317	1,207,220
SMITHS CREEK LANDFILL	724,463	195,476	919,939
SOUTH KENT LANDFILL	939,466	0	939,466
SOUTHEAST BERRIEN COUNTY LANDFILL	849,934	116,038	965,972
SPARTA FOUNDRY WASTE FACILITY	0	3,329	3,329
ST. MARYS CEMENT, INC.	0	12,585	12,585
TRI-CITY RECYCLING AND DISPOSAL FACILITY	100,887	56,985	157,872
VENICE PARK RECYCLING & DISPOSAL FACILITY	428,361	183,125	611,486
VERSO PAPER CORP	0	124,837	124,837
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	562,767	557,665	1,120,432
WE ENERGIES PRESQUE ISLE POWER PLANT	0	25,463	25,463
WESTSIDE RECYCLING & DISPOSAL FACILITY	454,035	319,254	773,289
WEXFORD COUNTY LANDFILL, LLC	602,988	71,526	674,514
WHITEFEATHER LANDFILL	388,254	162,763	551,017
WOOD ISLAND WASTE MANAGEMENT, INC.	134,853	24,688	159,541
WOODLAND MEADOWS RDF-VAN BUREN	1,890,155	1,673,914	3,564,069

TABLE 8 MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2015 (Volume in Cubic Yards)			
FACILITY NAME	**MCW DISPOSED**	**IW AND C&D DISPOSED**	**TOTAL WASTE DISPOSED**
PINE TREE ACRES, INC.	3,915,963	811,159	4,727,122
ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC.	3,609,916	2,056,310	5,666,226
CARLETON FARMS LANDFILL	2,945,328	1,616,330	4,561,658
WOODLAND MEADOWS RDF-VAN BUREN	1,890,155	1,673,914	3,564,069
RIVERVIEW LAND PRESERVE	1,663,160	770,531	2,433,691
GRANGER WOOD STREET LANDFILL	1,525,275	0	1,525,275
BRENT RUN LANDFILL	1,406,406	1,189,399	2,595,805
SOUTH KENT LANDFILL	939,466	0	939,466
SOUTHEAST BERRIEN COUNTY LANDFILL	849,934	116,038	965,972
C & C EXPANDED SANITARY LANDFILL	836,544	326,354	1,162,898
FOREST LAWN LANDFILL INC.	831,414	67,190	898,604
SAUK TRAIL HILLS LANDFILL	793,903	413,317	1,207,220
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	742,665	164,549	907,214
SMITHS CREEK LANDFILL	724,463	195,476	919,939
OTTAWA COUNTY FARMS LANDFILL	647,754	444,506	1,092,260
WEXFORD COUNTY LANDFILL, LLC	602,988	71,526	674,514
ORCHARD HILL SANITARY LANDFILL	593,261	0	593,261
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	562,767	557,665	1,120,432
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	493,385	385,844	879,229
PEOPLES LANDFILL, INC.	481,603	64,035	545,638
CENTRAL SANITARY LANDFILL	480,127	63,764	543,891
CITIZENS DISPOSAL, INC.	473,166	469,000	942,166
WESTSIDE RECYCLING & DISPOSAL FACILITY	454,035	319,254	773,289
VENICE PARK RECYCLING & DISPOSAL FACILITY	428,361	183,125	611,486
OAKLAND HEIGHTS DEVELOPMENT, INC.	403,329	213,052	616,381
WHITEFEATHER LANDFILL	388,254	162,763	551,017

TABLE 8 MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2015 (Volume in Cubic Yards)			
FACILITY NAME	**MCW DISPOSED**	**IW AND C&D DISPOSED**	**TOTAL WASTE DISPOSED**
HURON LANDFILL CORP. - DBA HURON LANDFILL	248,928	0	248,928
ELK RUN LANDFILL	227,074	75,273	302,347
CITY ENVIRONMENTAL SERVICES INC. OF WATERS	216,749	92,990	309,739
MANISTEE COUNTY LANDFILL, INC.	197,515	211,970	409,485
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	197,352	80,775	278,127
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	185,947	121,162	307,109
CITY OF MIDLAND SANITARY LANDFILL	182,968	212,642	395,610
K & W LANDFILL	175,729	16,120	191,849
WOOD ISLAND WASTE MANAGEMENT, INC.	134,853	24,688	159,541
DAFTER SANITARY LANDFILL	116,551	2,482	119,033
CES LANDFILL, INC. OF HASTINGS	115,082	15,479	130,561
MICHIGAN ENVIRONS, INC.	111,580	151,890	263,470
MARQUETTE COUNTY LANDFILL	101,516	83,976	185,492
TRI-CITY RECYCLING AND DISPOSAL FACILITY	100,887	56,985	157,872
MONTMORENCY-OSCODA-ALPENA SWMA	87,700	59,276	146,976
DELTA COUNTY LANDFILL	68,814	19,435	88,249
GLENS SANITARY LANDFILL	62,771	16,510	79,281
MCGILL ROAD LANDFILL	60,558	42,945	103,503
PITSCH SANITARY LANDFILL	49,849	265,538	315,387
HIAWATHA SHORES LANDFILL, INC.	28,158	6,615	34,773
GRANGER GRAND RIVER LANDFILL	25,062	0	25,062

TABLE 9 IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2015 (Volume in Cubic Yards)			
FACILITY NAME	**MCW DISPOSED**	**IW AND C&D DISPOSED**	**TOTAL WASTE DISPOSED**
ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC.	3,609,916	2,056,310	5,666,226
WOODLAND MEADOWS RDF-VAN BUREN	1,890,155	1,673,914	3,564,069
CARLETON FARMS LANDFILL	2,945,328	1,616,330	4,561,658
BRENT RUN LANDFILL	1,406,406	1,189,399	2,595,805
PINE TREE ACRES, INC.	3,915,963	811,159	4,727,122
RIVERVIEW LAND PRESERVE	1,663,160	770,531	2,433,691
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	562,767	557,665	1,120,432
CITIZENS DISPOSAL, INC.	473,166	469,000	942,166
OTTAWA COUNTY FARMS LANDFILL	647,754	444,506	1,092,260
LAFARGE MIDWEST, INC.	0	432,729	432,729
SAUK TRAIL HILLS LANDFILL	793,903	413,317	1,207,220
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	493,385	385,844	879,229
C & C EXPANDED SANITARY LANDFILL	836,544	326,354	1,162,898
WESTSIDE RECYCLING & DISPOSAL FACILITY	454,035	319,254	773,289
DTE MONROE POWER PLANT	0	285,377	285,377
PITSCH SANITARY LANDFILL	49,849	265,538	315,387
CONSUMERS ENERGY J H CAMPBELL COMPLEX	0	235,185	235,185
DETROIT EDISON CO RANGE RD ASH DISPOSAL	0	223,448	223,448
LIBERTY ENVIRONMENTALISTS LANDFILL	0	221,681	221,681
OAKLAND HEIGHTS DEVELOPMENT, INC.	403,329	213,052	616,381
CITY OF MIDLAND SANITARY LANDFILL	182,968	212,642	395,610
MANISTEE COUNTY LANDFILL INC.	197,515	211,970	409,485
SMITHS CREEK LANDFILL	724,463	195,476	919,939
VENICE PARK RECYCLING & DISPOSAL FACILITY	428,361	183,125	611,486

TABLE 9 IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2015 (Volume in Cubic Yards)			
FACILITY NAME	**MCW DISPOSED**	**IW AND C&D DISPOSED**	**TOTAL WASTE DISPOSED**
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	742,665	164,549	907,214
WHITEFEATHER LANDFILL	388,254	162,763	551,017
MICHIGAN ENVIRONS, INC.	111,580	151,890	263,470
VERSO PAPER CORP.	0	124,837	124,837
EDWARD C LEVY CO. LANDFILL	0	124,200	124,200
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	185,947	121,162	307,109
ESCANABA PAPER COMPANY	0	118,391	118,391
SOUTHEAST BERRIEN COUNTY LANDFILL	849,934	116,038	965,972
CITY ENVIRONMENTAL SERVICES, INC. OF WATERS	216,749	92,990	309,739
MARQUETTE COUNTY LANDFILL	101,516	83,976	185,492
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	197,352	80,775	278,127
MATLIN ROAD LANDFILL	0	79,587	79,587
ELK RUN LANDFILL	227,074	75,273	302,347
CONSUMERS ENERGY DE KARN	0	74,383	74,383
WEXFORD COUNTY LANDFILL, LLC	602,988	71,526	674,514
FOREST LAWN LANDFILL, INC.	831,414	67,190	898,604
PEOPLES LANDFILL, INC.	481,603	64,035	545,638
DETROIT EDISON CO. SIBLEY QUARRY	0	63,829	63,829
CENTRAL SANITARY LANDFILL	480,127	63,764	543,891
MONTMORENCY-OSCODA-ALPENA SWMA	87,700	59,276	146,976
TRI-CITY RECYCLING AND DISPOSAL FACILITY	100,887	56,985	157,872
J. R. WHITING ELECTRIC GENERATING STATION	0	46,032	46,032
MCGILL ROAD LANDFILL	60,558	42,945	103,503
NIAGARA DEVELOPMENT, LLC	0	26,156	26,156
WE ENERGIES PRESQUE ISLE POWER PLANT	0	25,463	25,463
WOOD ISLAND WASTE MANAGEMENT, INC.	134,853	24,688	159,541
DELTA COUNTY LANDFILL	68,814	19,435	88,249
GLENS SANITARY LANDFILL	62,771	16,510	79,281

TABLE 9 IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2015 (Volume in Cubic Yards)			
FACILITY NAME	**MCW DISPOSED**	**IW AND C&D DISPOSED**	**TOTAL WASTE DISPOSED**
K & W LANDFILL	175,729	16,120	191,849
CES LANDFILL, INC. OF HASTINGS	115,082	15,479	130,561
FUTUREMARK MANISTIQUE TYPE III LANDFILL	0	15,025	15,025
EVER-GREEN LANDFILL AND RECYCLING CENTER, LLC	0	14,698	14,698
ST. MARYS CEMENT, INC.	0	12,585	12,585
CONSUMERS WEADOCK COMPLEX	0	7,253	7,253
HIAWATHA SHORES LANDFILL, INC.	28,158	6,615	34,773
CITY OF LIVONIA LANDFILL	0	5,365	5,365
RACER SAGINAW NODULAR INDUSTRIAL LAND	0	4,225	4,225
SPARTA FOUNDRY WASTE FACILITY	0	3,329	3,329
GREAT LAKES PULP COMPANY TYPE III LANDFILL	0	2,809	2,809
DAFTER SANITARY LANDFILL	116,551	2,482	119,033
HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL	0	137	137

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 2015 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 2015
(Volume in Cubic Yards)

FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2015	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC.	23,538,888	1,793,970	13	13
AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY	22,580,000	261,872	85	86
BRENT RUN LANDFILL	16,827,069	933,974	18	18
C & C EXPANDED SANITARY LANDFILL	1,920,623	391,199	5	5
CARLETON FARMS LANDFILL	60,495,643	1,267,128	48	48
CENTRAL SANITARY LANDFILL	9,444,339	169,269	44	56
CES LANDFILL, INC. OF HASTINGS	2,071,920	63,899	48	32
CITIZENS DISPOSAL, INC.	7,015,081	391,419	18	18
CITY ENVIRONMENTAL SERVICES, INC. OF WATERS	15,369,457	154,870	99	99
CITY OF MIDLAND SANITARY LANDFILL	7,524,552	118,778	49	63
COUNTY OF MUSKEGON - SOLID WASTE LANDFILL	1,114,140	159,910	7	7
DAFTER SANITARY LANDFILL	3,617,099	39,293	108	92
DELTA COUNTY LANDFILL	6,005,279	88,249	107	68
DETROIT EDISON CO. SIBLEY QUARRY	18,317,472	63,829	287	287
EAGLE VALLEY RECYCLE & DISPOSAL FACILITY	11,433,308	460,692	28	25
EDWARD C. LEVY CO. LANDFILL	25,000	98,000	0	0
ELK RUN LANDFILL	1,982,810	85,127	17	23
EVER-GREEN LANDFILL AND RECYCLING CENTER, LLC	552,512	17,000	32	33
FOREST LAWN LANDFILL, INC.	176,097	428,235	0	0
GLENS SANITARY LANDFILL	18,013,431	39,640	454	454
GRANGER GRAND RIVER LANDFILL	5,431,088	12,530	433	433
GRANGER WOOD STREET LANDFILL	18,669,813	762,636	25	24
HIAWATHA SHORES LANDFILL, INC.	28,093	18,356	2	2
HURON LANDFILL CORP. - DBA HURON LANDFILL	675,000	107,500	7	6
K & W LANDFILL	1,854,615	83,991	22	22
LIBERTY ENVIRONMENTALISTS LANDFILL	70,000	58,000	1	1
MANISTEE COUNTY LANDFILL INC.	9,188,772	200,211	55	46
MARQUETTE COUNTY LANDFILL	810,653	77,612	22	10
MATLIN ROAD LANDFILL	449,284	79,587	163	6
MCGILL ROAD LANDFILL	837,500	23,300	13	36

TABLE 10 FACILITY CAPACITY AND YEARS REMAINING FOR NONCAPTIVE FACILITIES - FY 2015 (Volume in Cubic Yards)				
FACILITY NAME	(A) REMAINING CAPACITY	(B) CAPACITY USED IN FY 2015	(C) PROJECTED YEARS OF REMAINING CAPACITY	(D) CALCULATED YEARS OF REMAINING CAPACITY
	REPORTED BY THE LANDFILL			
MICHIGAN ENVIRONS, INC.	2,508,496	137,517	33	18
MONTMORENCY-OSCODA-ALPENA SWMA	1,569,977	146,976	11	11
NIAGARA DEVELOPMENT, LLC	1,947,219	26,156	74	74
NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY	7,067,908	139,062	51	51
OAKLAND HEIGHTS DEVELOPMENT, INC.	2,245,536	202,474	7	11
ORCHARD HILL SANITARY LANDFILL	17,382,895	247,192	70	70
OTTAWA COUNTY FARMS LANDFILL	4,111,035	503,258	7	8
PEOPLES LANDFILL, INC.	6,141,530	226,935	33	27
PINE TREE ACRES, INC.	42,126,043	1,970,806	26	21
PITSCH SANITARY LANDFILL	2,757,386	315,389	24	9
RIVERVIEW LAND PRESERVE	11,831,407	852,949	14	14
SAUK TRAIL HILLS LANDFILL	7,839,757	472,304	17	17
SMITHS CREEK LANDFILL	19,538,880	389,428	50	50
SOUTH KENT LANDFILL	4,565,591	515,175	10	9
SOUTHEAST BERRIEN COUNTY LANDFILL	3,868,139	986,187	21	4
TRI-CITY RECYCLING AND DISPOSAL FACILITY	16,885,760	54,690	212	309
VENICE PARK RECYCLING & DISPOSAL FACILITY	8,579,120	211,205	21	41
VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL	5,619,800	405,000	14	14
WESTSIDE RECYCLING & DISPOSAL FACILITY	37,383,963	351,409	116	106
WEXFORD COUNTY LANDFILL, LLC	19,786,585	309,150	64	64
WHITEFEATHER LANDFILL	2,286,108	150,898	14	15
WOOD ISLAND WASTE MANAGEMENT, INC.	202,505	159,542	3	1
WOODLAND MEADOWS RDF-VAN BUREN	16,340,000	1,655,000	10	10
TOTAL	**508,625,178**	**18,878,778**		

Based on current capacity used for FY 2015 (18,878,778 cubic yards) and total remaining capacity at noncaptive facilities (508,625,178 cubic yards), which may include additional capacity permitted[8] during the fiscal year and using the same calculation for deriving the values in Column (D), it is estimated that Michigan noncaptive landfills have approximately 27 years of remaining disposal capacity left. This estimate does not take into consideration any projected increase or decrease in waste disposal rates, waste diversion programs, or any county-imposed restrictions such as volume limitations, any special conditions, or the waste import/export authorizations of each county.

[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: Carleton Farms Landfill; Niagara Development, LLC.; Pine Tree Acres, INC. Vienna Junction Industrial Park Sanitary Landfill.

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 299.4101 *et seq*.

APPENDIX B – LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE

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

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL, INC. (WASHTENAW COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CANADA	60	0	80
GENESEE	10	1,088	0
INGHAM	160	2,521	1,288
LIVINGSTON	114,292	33,843	31,275
MACOMB	201,217	113,993	62,937
OAKLAND	1,558,275	100,785	124,969
OHIO	4,752	530	60
WASHTENAW	356,085	259,691	94,008
WAYNE	1,375,065	634,154	595,088
TOTALS	**3,609,916**	**1,146,605**	**909,705**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY (OTTAWA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	61,948	71,333	8,016
BARRY	304	100	619
BERRIEN	2	3,503	204
BRANCH	0	75	0
CALHOUN	23	4,790	840
CASS	0	130	0
EATON	24	10	28
IONIA	6,244	775	121
ISABELLA	0	10	0
KALAMAZOO	70	31,088	573
KENT	89,632	61,817	10,078
MASON	0	145	0
MECOSTA	38	80	13
MONTCALM	7,365	15,497	40
MUSKEGON	61,412	10,956	317
NEWAYGO	17	75	12
OTTAWA	265,906	122,727	40,724
ST. JOSEPH	26	11	0
VAN BUREN	374	400	737
TOTALS	**493,385**	**323,522**	**62,322**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

BRENT RUN LANDFILL (GENESEE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	20,061	0	11,143
BAY	4,720	363	15,053
CANADA	936,076	349	712,877
CLINTON	26	1,733	65
CONNECTICUT	0	336	0
EATON	64	0	32
GENESEE	253,766	14,572	82,905
GRATIOT	1,455	17,107	5,871
HURON	0	11,332	0
INGHAM	705	556	1,774
LAPEER	126,562	651	28,873
LENAWEE	0	107	0
LIVINGSTON	7,060	93	733
MONTCALM	0	0	30
OAKLAND	17,876	6,100	34,313
OHIO	0	10,771	0
SAGINAW	11,331	20,854	149,211
SANILAC	4,967	1,388	82
SHIAWASSEE	20,876	2,245	7,560
TUSCOLA	861	1,240	3,968
WASHTENAW	0	6,304	15
WAYNE	0	38,351	442
TOTALS	**1,406,406**	**134,452**	**1,054,947**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

C & C EXPANDED SANITARY LANDFILL (CALHOUN COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	824	2,970	0
BARRY	234	126	740
BRANCH	73,370	38,622	9,715
CALHOUN	190,317	53,421	61,030
CLINTON	124	4,895	8
EATON	48,188	19,405	7,667
HILLSDALE	50,804	1,820	1,258
INGHAM	38,479	3,282	7,585
JACKSON	20,483	10,725	1,712
KALAMAZOO	412,618	86,988	13,905
ST. JOSEPH	1,103	277	203
TOTALS	**836,544**	**222,531**	**103,823**

CARLETON FARMS LANDFILL (WAYNE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CANADA	2,157,550	163,595	366,120
GENESEE	0	80	0
JACKSON	0	37	9
LENAWEE	123,984	15,268	14,814
LIVINGSTON	42	72	0
MACOMB	0	18,488	0
MASSACHUSETTS	0	0	10
MONROE	59,963	22,750	64,390
OAKLAND	23,714	1,628	79
OHIO	4	205,040	15
ST. JOSEPH	0	10	0
WASHTENAW	21,771	11,650	11,859
WAYNE	558,300	660,989	59,427
TOTALS	**2,945,328**	**1,099,607**	**516,723**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

CENTRAL SANITARY LANDFILL (MONTCALM COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
GRATIOT	5,226	24	154
IONIA	22,556	881	0
ISABELLA	21,950	0	0
KALAMAZOO	13	12	0
KENT	289,456	34,999	926
LAKE	10	14	0
MECOSTA	41,072	1,157	946
MONTCALM	29,562	8,086	1,959
NEWAYGO	63,104	10,042	545
OSCEOLA	7,133	3,992	27
OTTAWA	45	0	0
TOTALS	**480,127**	**59,207**	**4,557**

CES LANDFILL, INC. OF HASTINGS (BARRY COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	1,832	5,781	0
BARRY	49,397	2,754	1,601
BERRIEN	0	112	0
BRANCH	0	300	0
CALHOUN	71	812	0
CLINTON	1,699	40	0
EATON	17,641	360	0
INGHAM	482	60	0
IONIA	31,325	924	56
JACKSON	0	6	0
KALAMAZOO	37	20	0
KENT	12,554	2,632	21
MONTCALM	44	0	0
TOTALS	**115,082**	**13,801**	**1,678**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

CITIZENS DISPOSAL, INC. (GENESEE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BAY	0	89	0
BENZIE	0	279,039	0
CANADA	4,197	0	2,528
EATON	0	140	0
GENESEE	346,499	0	118,682
INGHAM	0	2,667	28
LAPEER	12,336	2,589	8,093
LENAWEE	0	102	0
LIVINGSTON	42,955	17,973	4,785
OAKLAND	14,532	1,316	1,972
SAGINAW	10,099	11,862	1,018
SANILAC	1,421	0	0
SHIAWASSEE	17,477	80	1,221
TUSCOLA	23,650	102	92
WASHTENAW	0	3,305	4
WAYNE	0	11,253	60
TOTALS	**473,166**	**330,517**	**138,483**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

CITY ENVIRONMENTAL SERVICES, INC. OF WATERS (CRAWFORD COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALCONA	0	10	0
ALPENA	0	5,869	0
ANTRIM	9,567	1,068	0
CHARLEVOIX	22,074	50,364	226
CHEBOYGAN	5,884	141	17
CHIPPEWA	0	20	0
CRAWFORD	34,604	23,449	930
EMMET	0	443	1,046
GRAND TRAVERSE	7,748	2	11
IOSCO	61,797	0	0
KALKASKA	8,451	1,228	0
MACKINAC	0	35	0
OTSEGO	63,227	4,920	311
PRESQUE ISLE	483	1,220	0
ROSCOMMON	2,914	1,480	200
TOTALS	**216,749**	**90,249**	**2,741**

CITY OF LIVONIA LANDFILL (WAYNE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
WAYNE	0	5,365	0
TOTALS	**0**	**5,365**	**0**

CITY OF MIDLAND SANITARY LANDFILL (MIDLAND COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BAY	0	10,485	0
MIDLAND	182,968	32,336	168,111
SAGINAW	0	1,710	0
TOTALS	**182,968**	**44,531**	**168,111**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

CONSUMERS ENERGY DE KARN (BAY COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BAY	0	74,383	0
TOTALS	**0**	**74,383**	**0**

CONSUMERS ENERGY J H CAMPBELL COMPLEX (OTTAWA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MUSKEGON	0	74,324	0
OTTAWA	0	160,861	0
TOTALS	**0**	**235,185**	**0**

CONSUMERS WEADOCK COMPLEX (BAY COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BAY	0	7,253	0
TOTALS	**0**	**7,253**	**0**

COUNTY OF MUSKEGON - SOLID WASTE LANDFILL (MUSKEGON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MUSKEGON	159,413	58,701	59,791
NEWAYGO	23,281	0	1,776
OTTAWA	3,253	894	0
TOTALS	**185,947**	**59,595**	**61,567**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

DAFTER SANITARY LANDFILL (CHIPPEWA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CANADA	59,960	0	29
CHIPPEWA	31,931	964	0
LUCE	6,419	0	0
MACKINAC	18,241	1,489	0
TOTALS	**116,551**	**2,453**	**29**

DELTA COUNTY LANDFILL (DELTA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
DELTA	66,642	2,547	9,628
MENOMINEE	1,338	7,260	0
SCHOOLCRAFT	834	0	0
TOTALS	**68,814**	**9,807**	**9,628**

DETROIT EDISON CO. RANGE RD. ASH DISPOSAL (ST. CLAIR COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ST. CLAIR	0	223,448	0
TOTALS	**0**	**223,448**	**0**

DETROIT EDISON CO. SIBLEY QUARRY (WAYNE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MONROE	0	27,896	0
WAYNE	0	35,933	0
TOTALS	**0**	**63,829**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

DTE MONROE POWER PLANT (MONROE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MONROE	0	285,377	0
TOTALS	**0**	**285,377**	**0**

EAGLE VALLEY RECYCLE & DISPOSAL FACILITY (OAKLAND COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
GENESEE	0	16	0
LAPEER	6,858	422	0
MACOMB	118,137	4,543	0
OAKLAND	617,670	99,917	20,553
WASHTENAW	0	7	0
WAYNE	0	39,091	0
TOTALS	**742,665**	**143,996**	**20,553**

EDWARD C. LEVY CO. LANDFILL (WAYNE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
WAYNE	0	124,200	0
TOTALS	**0**	**124,200**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

ELK RUN LANDFILL (PRESQUE ISLE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ANTRIM	1,250	0	0
CHARLEVOIX	920	0	775
CHEBOYGAN	41,649	37,943	17,988
CHIPPEWA	70,720	70	120
EMMET	98,545	1,262	8,340
MACKINAC	1,006	1,769	1,335
PRESQUE ISLE	12,984	2,033	3,638
TOTALS	**227,074**	**43,077**	**32,196**

ESCANABA PAPER COMPANY (DELTA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
DELTA	0	118,391	0
TOTALS	**0**	**118,391**	**0**

EVER-GREEN LANDFILL AND RECYCLING CENTER, LLC (ONTONAGON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BARAGA	0	14,499	0
ONTONAGON	0	199	0
TOTALS	**0**	**14,698**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

FOREST LAWN LANDFILL, INC. (BERRIEN COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BERRIEN	161,132	3,915	1,518
CASS	0	14	0
ILLINOIS	34,368	0	576
INDIANA	634,354	52,710	8,423
KALAMAZOO	1,495	0	0
VAN BUREN	65	34	0
TOTALS	**831,414**	**56,673**	**10,517**

FUTUREMARK MANISTIQUE TYPE III LANDFILL (SCHOOLCRAFT COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
SCHOOLCRAFT	0	15,025	0
TOTALS	**0**	**15,025**	**0**

GLENS SANITARY LANDFILL (LEELANAU COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ANTRIM	295	0	237
BENZIE	1,563	40	1,287
GRAND TRAVERSE	43,875	2,088	7,129
KALKASKA	42	0	98
LEELANAU	16,996	224	5,293
MANISTEE	0	110	4
TOTALS	**62,771**	**2,462**	**14,048**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

GRANGER GRAND RIVER LANDFILL (CLINTON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	47	0	0
BARRY	1	0	0
CALHOUN	328	0	0
CLINTON	352	0	0
EATON	7,155	0	0
GENESEE	19	0	0
GRATIOT	10	0	0
INGHAM	11,110	0	0
IONIA	3,011	0	0
ISABELLA	1	0	0
JACKSON	2,536	0	0
KALAMAZOO	64	0	0
LIVINGSTON	121	0	0
MONTCALM	14	0	0
OAKLAND	125	0	0
OTTAWA	42	0	0
SAGINAW	84	0	0
WASHTENAW	12	0	0
WAYNE	30	0	0
TOTALS	**25,062**	**0**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

GRANGER WOOD STREET LANDFILL (CLINTON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	16	0	0
BARRY	1,570	0	0
BRANCH	3	0	0
CALHOUN	59	0	0
CLINTON	130,284	0	0
EATON	176,668	0	0
GENESEE	413	0	0
GRATIOT	69,805	0	0
INGHAM	908,822	0	0
IONIA	32,107	0	0
ISABELLA	7,681	0	0
JACKSON	126,753	0	0
KALAMAZOO	6	0	0
LIVINGSTON	47,158	0	0
MONTCALM	1,741	0	0
OAKLAND	78	0	0
OTTAWA	27	0	0
SAGINAW	40	0	0
SHIAWASSEE	22,013	0	0
WASHTENAW	28	0	0
WAYNE	3	0	0
TOTALS	**1,525,275**	**0**	**0**

GREAT LAKES PULP COMPANY TYPE III LANDFILL (MENOMINEE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MENOMINEE	0	2,809	0
TOTALS	**0**	**2,809**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

HIAWATHA SHORES LANDFILL, INC. (SCHOOLCRAFT COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
GOGEBIC	18,346	0	0
SCHOOLCRAFT	9,812	3,029	3,586
TOTALS	**28,158**	**3,029**	**3,586**

HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL (OTTAWA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
OTTAWA	0	137	0
TOTALS	**0**	**137**	**0**

HURON LANDFILL CORP. - DBA HURON LANDFILL (HURON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
HURON	171,718	0	0
LAPEER	6,193	0	0
SANILAC	23,074	0	0
TUSCOLA	47,943	0	0
TOTALS	**248,928**	**0**	**0**

J. R. WHITING ELECTRIC GENERATING STATION (MONROE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MONROE	0	46,032	0
TOTALS	**0**	**46,032**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

K & W LANDFILL (ONTONAGON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BARAGA	17,156	6,197	0
GOGEBIC	846	1,652	0
HOUGHTON	65,048	7,091	792
IRON	11,096	301	0
KEWEENAW	2,630	0	0
ONTONAGON	9,629	0	0
WISCONSIN	69,324	87	0
TOTALS	**175,729**	**15,328**	**792**

LAFARGE MIDWEST, INC. (ALPENA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALPENA	0	432,729	0
TOTALS	**0**	**432,729**	**0**

LIBERTY ENVIRONMENTALISTS LANDFILL (JACKSON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BRANCH	0	0	73
CALHOUN	0	0	2,553
EATON	0	0	877
HILLSDALE	0	20,065	4,280
INGHAM	0	0	963
JACKSON	0	4,425	83,150
LENAWEE	0	0	5,406
LIVINGSTON	0	0	30
OHIO	0	96,676	0
WASHTENAW	0	0	3,183
TOTALS	**0**	**121,166**	**100,515**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

MANISTEE COUNTY LANDFILL, INC. (MANISTEE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BENZIE	12,999	0	4,107
GRAND TRAVERSE	4,540	4,268	308
LAKE	6,682	470	768
LEELANAU	177	0	0
MANISTEE	90,200	181,694	11,704
MASON	73,331	3,856	4,776
WEXFORD	9,586	19	0
TOTALS	**197,515**	**190,307**	**21,663**

MARQUETTE COUNTY LANDFILL (MARQUETTE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MARQUETTE	101,516	0	83,976
TOTALS	**101,516**	**0**	**83,976**

MATLIN ROAD LANDFILL (MONROE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MONROE	0	0	750
WASHTENAW	0	0	3,890
WAYNE	0	0	74,947
TOTALS	**0**	**0**	**79,587**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

MCGILL ROAD LANDFILL (JACKSON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CALHOUN	1,177	28	0
CLINTON	390	0	0
EATON	2,938	1	0
HILLSDALE	0	576	0
JACKSON	56,053	13,901	28,159
WASHTENAW	0	280	0
TOTALS	**60,558**	**14,786**	**28,159**

MICHIGAN ENVIRONS, INC. (MENOMINEE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MENOMINEE	39,346	9,447	7,517
WISCONSIN	72,234	132,288	2,638
TOTALS	**111,580**	**141,735**	**10,155**

MONTMORENCY-OSCODA-ALPENA SWMA (MONTMORENCY COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALCONA	660	120	552
ALPENA	49,898	13,999	23,511
CHEBOYGAN	440	618	0
EMMET	8	0	0
IONIA	3	0	0
MONTMORENCY	19,086	9,277	6,175
OGEMAW	8	0	0
OSCODA	14,884	17	3,802
OTSEGO	276	424	205
PRESQUE ISLE	2,437	50	526
TOTALS	**87,700**	**24,505**	**34,771**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

NIAGARA DEVELOPMENT, LLC (DICKINSON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
DICKINSON	0	26,156	0
TOTALS	**0**	**26,156**	**0**

NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY (CLARE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALCONA	0	6	0
ARENAC	3,335	73	0
CHARLEVOIX	34	0	9
CLARE	41,851	1,261	19,815
GLADWIN	11,717	802	3,304
GRATIOT	14,729	7,892	1,581
IOSCO	0	60	0
ISABELLA	69,931	6,540	10,920
LAKE	1,171	0	208
MECOSTA	10,458	229	2,782
MISSAUKEE	3,705	1,366	520
MONTCALM	23	140	0
OGEMAW	0	0	43
OSCEOLA	8,854	12,418	2,945
ROSCOMMON	24,509	301	7,084
WEXFORD	7,035	370	106
TOTALS	**197,352**	**31,458**	**49,317**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

OAKLAND HEIGHTS DEVELOPMENT, INC. (OAKLAND COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
LAPEER	0	678	0
MACOMB	45,456	5,744	9,899
OAKLAND	357,873	19,301	176,407
WAYNE	0	934	89
TOTALS	**403,329**	**26,657**	**186,395**

ORCHARD HILL SANITARY LANDFILL (BERRIEN COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	2,738	0	0
BARRY	18	0	0
BERRIEN	163,051	0	0
CASS	13,470	0	0
INDIANA	92	0	0
KALAMAZOO	304,082	0	0
OTTAWA	20	0	0
ST. JOSEPH	112	0	0
VAN BUREN	109,678	0	0
TOTALS	**593,261**	**0**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

OTTAWA COUNTY FARMS LANDFILL (OTTAWA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	67,781	148	655
BARRY	40	1,495	0
BERRIEN	0	60	0
BRANCH	0	54	0
CALHOUN	0	5,208	0
KALAMAZOO	32	26	26
KENT	47,150	189,055	35,507
MASON	75	15,281	0
MECOSTA	38	2	0
MONTCALM	152	11	24
MUSKEGON	189,768	52,148	15,236
NEWAYGO	0	30	172
OCEANA	32,420	11,535	2,281
OSCEOLA	35	0	37
OTTAWA	249,534	88,039	27,410
VAN BUREN	60,729	66	0
TOTALS	**647,754**	**363,158**	**81,348**

PEOPLES LANDFILL, INC. (SAGINAW COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BAY	105,928	16,533	358
GENESEE	15,859	1,690	64
GRATIOT	6,219	150	40
SAGINAW	343,409	39,221	2,321
SHIAWASSEE	85	0	0
TUSCOLA	10,103	3,243	415
TOTALS	**481,603**	**60,837**	**3,198**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

PINE TREE ACRES, INC. (MACOMB COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CANADA	3,216,966	719	0
LAPEER	1,206	118	0
MACOMB	695,592	211,627	17,019
OAKLAND	1,701	4,934	249
ST. CLAIR	0	24	0
WAYNE	498	516,535	59,934
TOTALS	**3,915,963**	**733,957**	**77,202**

PITSCH SANITARY LANDFILL (IONIA COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	0	0	3,132
BARRY	11	0	1,359
CASS	0	0	2
CLINTON	0	0	85
EATON	120	0	125
INGHAM	6	0	1,337
IONIA	3,727	1,139	18,956
ISABELLA	27	0	12
KALAMAZOO	0	0	405
KENT	1,868	579	197,049
MECOSTA	26,475	0	11,134
MONTCALM	17,612	0	18,767
MUSKEGON	0	0	3,943
OCEANA	0	0	90
OSCEOLA	0	0	1,200
OTTAWA	3	0	4,835
ST. JOSEPH	0	0	315
VAN BUREN	0	0	1,074
TOTALS	**49,849**	**1,718**	**263,820**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

RACER SAGINAW NODULAR INDUSTRIAL LAND (SAGINAW COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
SAGINAW	0	4,175	50
TOTALS	**0**	**4,175**	**50**

RIVERVIEW LAND PRESERVE (WAYNE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CANADA	230,560	0	0
LENAWEE	21	62	0
MACOMB	521,313	20,208	10,040
MONROE	272,991	933	21,841
OAKLAND	1,861	14,213	476
OHIO	1,290	0	0
WASHTENAW	528	445	277
WAYNE	634,596	54,320	647,716
TOTALS	**1,663,160**	**90,181**	**680,350**

SAUK TRAIL HILLS LANDFILL (WAYNE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
JACKSON	0	10	0
LIVINGSTON	30	323	30
MACOMB	5	11,757	154
MONROE	2	10,756	4,643
NEW JERSEY	0	7	0
OAKLAND	204	10,142	389
OHIO	0	545	0
WASHTENAW	9,910	32,724	11,492
WAYNE	783,752	142,729	187,616
TOTALS	**793,903**	**208,993**	**204,324**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

SMITHS CREEK LANDFILL (ST. CLAIR COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CANADA	228,160	0	0
ST. CLAIR	496,303	92,335	103,141
TOTALS	**724,463**	**92,335**	**103,141**

SOUTH KENT LANDFILL (KENT COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	62,464	0	0
BARRY	12,590	0	0
IONIA	221	0	0
KALAMAZOO	943	0	0
KENT	829,530	0	0
MECOSTA	78	0	0
MONTCALM	36	0	0
OCEANA	2	0	0
OTTAWA	33,602	0	0
TOTALS	**939,466**	**0**	**0**

SOUTHEAST BERRIEN COUNTY LANDFILL (BERRIEN COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BERRIEN	530,869	15,749	18,383
CASS	109,638	3,215	4,349
ILLINOIS	79,488	670	0
INDIANA	129,939	25,199	48,473
TOTALS	**849,934**	**44,833**	**71,205**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

SPARTA FOUNDRY WASTE FACILITY (KENT COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
KENT	0	3,329	0
TOTALS	**0**	**3,329**	**0**

ST. MARYS CEMENT, INC. (CHARLEVOIX COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CHARLEVOIX	0	12,585	0
TOTALS	**0**	**12,585**	**0**

TRI-CITY RECYCLING AND DISPOSAL FACILITY (SANILAC COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
HURON	16,310	19,544	1,332
LAPEER	16,417	270	0
SANILAC	60,196	29,920	3,913
TUSCOLA	7,964	1,910	96
TOTALS	**100,887**	**51,644**	**5,341**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

VENICE PARK RECYCLING & DISPOSAL FACILITY (SHIAWASSEE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
BAY	0	10	0
CLINTON	13,994	2,115	0
EATON	606	2,645	0
GENESEE	196,098	35,309	2,202
GRATIOT	2,103	16	2
INGHAM	48,562	6,257	25
IONIA	139	0	0
LAPEER	6,191	520	0
LIVINGSTON	90,586	6,142	0
MACOMB	0	38	0
MONTCALM	2,189	85	0
OAKLAND	4,076	24,440	0
OSCEOLA	0	13	0
SAGINAW	3,407	273	14
SHIAWASSEE	60,406	41,986	2,853
WASHTENAW	4	0	0
WAYNE	0	58,180	0
TOTALS	**428,361**	**178,029**	**5,096**

VERSO PAPER CORP (DICKINSON COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
DICKINSON	0	124,837	0
TOTALS	**0**	**124,837**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL (MONROE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
INDIANA	0	525	0
KENT	67	0	0
LENAWEE	93	5	0
MONROE	54,940	30,794	147
OHIO	507,626	478,596	438
VAN BUREN	34	0	0
WAYNE	7	47,160	0
TOTALS	**562,767**	**557,080**	**585**

WE ENERGIES PRESQUE ISLE POWER PLANT (MARQUETTE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
MARQUETTE	0	25,463	0
TOTALS	**0**	**25,463**	**0**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

WESTSIDE RECYCLING & DISPOSAL FACILITY (ST. JOSEPH COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALLEGAN	40	110	7
BARRY	7	2,250	0
BERRIEN	0	967	0
BRANCH	17,977	2,684	92
CALHOUN	94,333	19,730	0
CASS	20,559	4,274	1,002
EATON	0	40	0
GENESEE	6	0	0
HILLSDALE	0	16	0
INDIANA	47,876	19,866	24
KALAMAZOO	141,891	136,462	1,766
ST. JOSEPH	119,158	124,593	4,175
VAN BUREN	12,188	1,195	1
TOTALS	**454,035**	**312,187**	**7,067**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

WEXFORD COUNTY LANDFILL, LLC (WEXFORD COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALCONA	0	4,121	0
ANTRIM	319	0	247
BENZIE	8,313	0	1,919
CANADA	118	0	0
CHARLEVOIX	49,176	0	0
CLARE	4,375	0	411
CRAWFORD	905	0	14
EMMET	13	0	0
GRAND TRAVERSE	265,047	0	1,298
INDIANA	1	0	0
KALKASKA	126,030	0	279
MANISTEE	860	0	909
MINNESOTA	1	0	0
MISSAUKEE	54,997	11,316	5,443
OSCEOLA	3,592	0	1,380
OTSEGO	232	10,820	0
WEXFORD	89,009	18,219	15,150
TOTALS	**602,988**	**44,476**	**27,050**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

WHITEFEATHER LANDFILL (BAY COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALCONA	326	0	131
ARENAC	24,079	2,776	4,881
BAY	133,215	52,270	41,323
CLARE	9,542	332	843
GENESEE	17	0	0
GLADWIN	42,804	1,151	2,626
IOSCO	62,081	4,636	5,135
ISABELLA	5,271	1,439	920
KALKASKA	0	0	94
MIDLAND	63	1,038	0
OGEMAW	27,934	11,119	6,645
ROSCOMMON	38,043	885	5,743
SAGINAW	44,879	3,503	4,584
TUSCOLA	0	10,437	252
TOTALS	**388,254**	**89,586**	**73,177**

APPENDIX B

LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2015

(All Values are in Cubic Yards)

WOOD ISLAND WASTE MANAGEMENT, INC. (ALGER COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
ALGER	19,784	16,301	0
BARAGA	0	15	0
CHIPPEWA	917	0	0
DELTA	3,389	0	0
DICKINSON	100,770	8,254	0
HOUGHTON	829	0	0
IRON	8	105	0
LUCE	407	0	0
MARQUETTE	0	13	0
MENOMINEE	32	0	0
SCHOOLCRAFT	5,120	0	0
WISCONSIN	3,597	0	0
TOTALS	**134,853**	**24,688**	**0**

WOODLAND MEADOWS RDF-VAN BUREN (WAYNE COUNTY)			
ORIGIN	**MCW**	**IW**	**C&D**
CANADA	0	10,998	0
JACKSON	0	42	0
LENAWEE	31,212	24	0
LIVINGSTON	22,148	296	0
MACOMB	729	390	0
MONROE	107,634	14,422	0
OAKLAND	231,061	11,490	2,627
OHIO	0	3,450	0
ST. CLAIR	0	40	0
WASHTENAW	498,137	83,004	4,822
WAYNE	999,234	1,518,461	23,848
TOTALS	**1,890,155**	**1,642,617**	**31,297**