



# REPORT OF SOLID WASTE LANDFILLED IN MICHIGAN

October 1, 2016 - September 30, 2017

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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, 2016 - September 30, 2017, and is the twenty second annual Report of Solid Waste Landfilled in Michigan as compiled from the information submitted by the individual landfills.

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

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

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

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

sand; (2) coal or wood ash; (3) wastewater treatment sludges; and (4) sludges from wood processing or paper manufacturing. If these wastes are placed in segregated cells or otherwise separated from other wastes in a landfill, they are labeled in this report as “IW – Segregated” (if each specially accounted waste is disposed separately) 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 50,604,692 cubic yards, an increase of 1,541,054 cubic yards or about 3.1 percent over the fiscal year (FY) 2016 report data. Waste generated in Michigan increased from 37,488,887 cubic yards in the previous reporting period to 37,723,925 cubic yards, an increase of about 0.6 percent. Total imports of waste into Michigan landfills increased from the previous reporting period from 11,574,751 cubic yards to 12,880,767 cubic yards, an increase of about 11.3 percent. The largest source of waste imports to Michigan continues to be from Canada, with total reported imports to landfills of 10,572,922 cubic yards, up 1,688,964 cubic yards or about 19 percent from the FY 2016 report data. Canadian waste imports equal about 20.9 percent of all waste disposed in Michigan landfills. Waste reported from other states and Canada totaled about 25.5 percent of all solid waste disposed in Michigan landfills. Imported waste comprised 23.6 percent of solid waste disposed in Michigan landfills in the previous year. Further, the data that follow outline the out-of-state imports to Michigan over the past twenty two FYs. Imports from other states decreased to 2,307,845 cubic yards from 2,690,793 cubic yards, a decrease of about 14.2 percent. This information is presented in Tables 1 and 2 and

Figures 1 and 2 and show only the past ten years' data. Previous years' data can be found online by clicking the following hyperlink: [Annual Reports of Solid Waste Landfilled in Michigan](#).

Annual audits are performed by the DEQ to reconcile quantities reported by the landfills to ensure proper surcharge payments and Perpetual Care Fund (PCF) deposits. Therefore, please note that the quantities and percentages shown for previous years may reflect corrections submitted by the landfills since the last annual report was published. Consequently, Tables 1 and 2 and Figures 1 and 2 may differ from previous reports.

Recognizing that the solid waste data presented in this report are used to project revenues from solid waste surcharges specified in Section 11525a of Part 115, only the solid waste volumes reported at noncaptive<sup>3</sup> disposal facilities should be used for the calculation of the 12 cents per cubic yard surcharge. For FY 2017 that amount was 49,116,587 cubic yards. The remaining waste was received at captive facilities, which are subject to a flat fee of \$500 to \$3,000 based upon the volume of waste received. Note that the volumes in this report may not be in agreement with the volumes also reported by the landfills in their quarterly surcharge reports.

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<sup>3</sup> Part 115 recognizes two types of facilities, captive and noncaptive, for the purposes of the payment of the surcharge assessed under Section 11525a. Section 11525a(5) states, in pertinent part, " 'captive facility' means a landfill that accepts for disposal only nonhazardous industrial waste generated only by the owner of the landfill or a nonhazardous industrial waste landfill that is specified in section 11525(3)."

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

| <b>Fiscal Year</b> | <b>Michigan</b>         | <b>Canada</b>           | <b>Other States</b>    | <b>Totals</b>           |
|--------------------|-------------------------|-------------------------|------------------------|-------------------------|
| FY 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            | 34,485,534              | 6,512,223               | 2,912,750              | 43,910,507              |
| FY 2013            | 34,233,158              | 7,594,716               | 2,785,700              | 44,613,574              |
| FY 2014            | 36,281,718              | 7,639,167               | 2,830,235              | 46,751,120              |
| FY 2015            | 36,862,512              | 8,090,942               | 2,672,899              | 47,626,353              |
| FY 2016            | 37,488,887              | 8,883,958               | 2,690,793              | 49,063,638              |
| FY 2017            | 37,723,925 <sup>4</sup> | 10,572,922 <sup>5</sup> | 2,307,845 <sup>6</sup> | 50,604,692 <sup>7</sup> |

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

| <b>Fiscal Year</b> | <b>Michigan</b> | <b>Canada</b> | <b>Other States</b> |
|--------------------|-----------------|---------------|---------------------|
| FY 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            | 77.4%           | 17%           | 5.6%                |
| FY 2016            | 76.4%           | 18.1%         | 5.5%                |
| FY 2017            | 74.5%           | 20.9%         | 4.6%                |

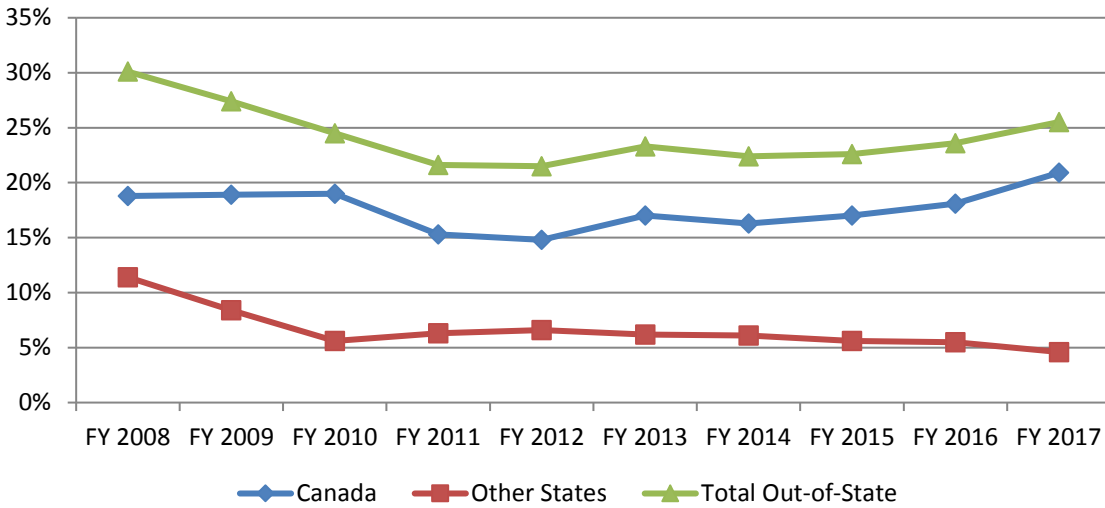
<sup>4</sup> MICHIGAN WASTE: 12,574,640 tons

<sup>5</sup> CANADIAN WASTE: 3,524,307 tons

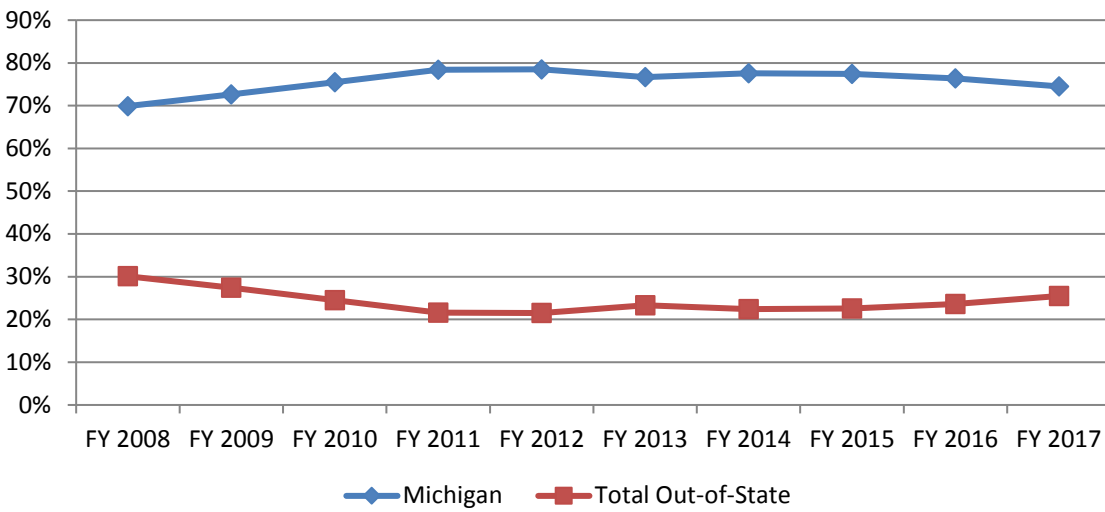
<sup>6</sup> OTHER STATES WASTE: 769,282 tons

<sup>7</sup> TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS: 16,868,230 tons

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



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



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

| <b>TABLE 3<br/>SOLID WASTE DISPOSAL SOURCE SUMMARY<br/>(Volume in Cubic Yards)</b> |                 |                 |              |
|--|-----------------|-----------------|--------------|
| <b>WASTE TYPE</b>  | <b>IN-STATE</b> | <b>IMPORTED</b> | <b>TOTAL</b> |
| MCW  | 22,651,913      | 9,808,502       | 32,460,415   |
| MCW – MSW* INCINERATOR ASH   | 42,264          | 306             | 42,570       |
| <b>SUBTOTAL MCW</b>  | 22,694,177      | 9,808,808       | 32,502,985   |
| IW   | 9,142,503       | 1,229,902       | 10,372,405   |
| IW – SEGREGATED  | 970,605         | 0               | 970,605      |
| IW – SEGREGATED MIXED  | 141,610         | 0               | 141,610      |
| <b>SUBTOTAL IW</b>   | 10,254,718      | 1,229,902       | 11,484,620   |
| C&D  | 4,775,030       | 1,842,057       | 6,617,087    |
| <b>GRAND TOTAL</b>   | 37,723,925      | 12,880,767      | 50,604,692   |

\*Municipal Solid Waste



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

| <b>TABLE 3A<br/>INDUSTRIAL WASTE DISPOSAL SOURCE SUMMARY<br/>(Volume in Cubic Yards)</b> |                 |                 |              |
|--|-----------------|-----------------|--------------|
| <b>WASTE TYPE</b>  | <b>IN-STATE</b> | <b>IMPORTED</b> | <b>TOTAL</b> |
| IW - Foundry Sand  | 253,298         | 17,839          | 271,137      |
| IW - Wastewater Sludges  | 374,652         | 1,082           | 375,734      |
| IW - Coal Ash  | 1,208,560       | 4,577           | 1,213,137    |
| IW - Alternative Daily Cover   | 1,092,193       | 278,682         | 1,370,875    |
| IW - General   | 5,219,830       | 880,014         | 6,099,844    |
| IW - Other   | 1,392,094       | 41,219          | 1,433,313    |
| IW - Other Sludges   | 143,811         | 5,072           | 148,883      |
| IW - Wood Ash  | 93,373          | 209             | 93,582       |
| IW - Cement Kiln Dust  | 359,746         | 1,122           | 360,868      |
| IW - Wood/Paper Sludges  | 117,161         | 86              | 117,247      |
| <b>GRAND TOTAL</b>   | 10,254,718      | 1,229,902       | 11,484,620   |

## WASTE IMPORTS

Based on the reported information for FY 2017, the solid waste industry in Michigan imported solid waste from 13 other states and from Canada for disposal in Michigan landfills. Table 4 indicates the volume of MCW, IW, and C&D imported and the state or country of origin of the waste. Figure 3 indicates the total volume of waste imported by state or country of origin of the waste.

| <b>WASTE ORIGIN</b> | <b>MCW</b> | <b>IW</b> | <b>C&amp;D</b> | <b>TOTAL WASTE</b> |
|---------------------|------------|-----------|----------------|--------------------|
| CANADA              | 8,612,850  | 179,937   | 1,780,135      | 10,572,922         |
| ILLINOIS            | 30,145     | 578       | 39             | 30,762             |
| INDIANA             | 484,655    | 62,493    | 51,213         | 598,361            |
| IOWA                | 0          | 0         | 19             | 19                 |
| KANSAS              | 0          | 0         | 20             | 20                 |
| MINNESOTA           | 0          | 0         | 10             | 10                 |
| MISSOURI            | 0          | 0         | 4              | 4                  |
| MONTANA             | 11         | 0         | 0              | 11                 |
| NEW JERSEY          | 0          | 0         | 276            | 276                |
| OHIO                | 516,394    | 936,440   | 6,608          | 1,459,442          |
| TENNESSEE           | 0          | 0         | 14             | 14                 |
| WASHINGTON          | 0          | 6         | 0              | 6                  |
| WEST VIRGINIA       | 0          | 0         | 180            | 180                |
| WISCONSIN           | 164,753    | 50,448    | 3,539          | 218,740            |

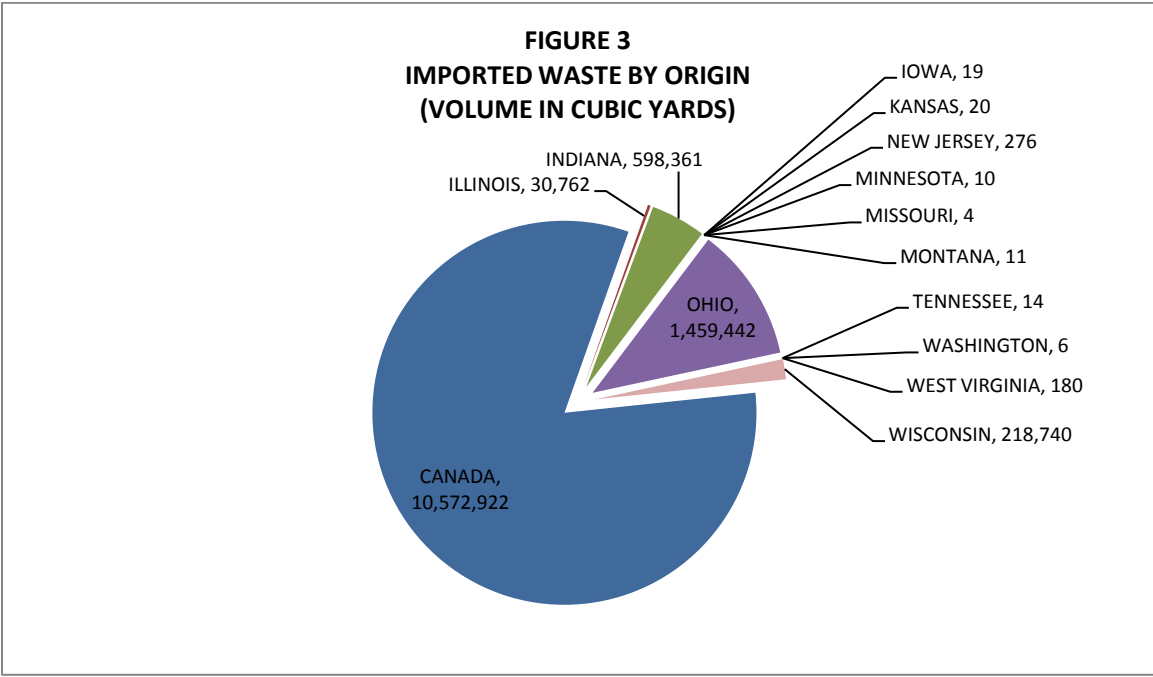


Table 5 shows the total amount of waste imported into each county from all out-of-state sources.

| COUNTY    | WASTE ORIGIN | WASTE VOLUME |
|-----------|--------------|--------------|
| ALGER     | WISCONSIN    | 2,574        |
| BARRY     | MONTANA      | 11           |
| BERRIEN   | ILLINOIS     | 30,723       |
| BERRIEN   | INDIANA      | 483,151      |
| CHIPPEWA  | CANADA       | 75,984       |
| DICKINSON | WISCONSIN    | 885          |
| GENESEE   | CANADA       | 1,278,913    |
| GENESEE   | NEW JERSEY   | 276          |
| GENESEE   | OHIO         | 31,513       |
| GENESEE   | WASHINGTON   | 6            |
| JACKSON   | OHIO         | 88,144       |
| MACOMB    | CANADA       | 3,755,073    |
| MENOMINEE | WISCONSIN    | 149,387      |
| MONROE    | INDIANA      | 626          |
| MONROE    | OHIO         | 1,056,377    |
| OAKLAND   | OHIO         | 16           |

**TABLE 5**  
**IMPORTED WASTE BY COUNTY AND PLACE OF ORIGIN - FY 2017**  
**(Volume in Cubic Yards)**

| COUNTY    | WASTE ORIGIN  | WASTE VOLUME |
|-----------|---------------|--------------|
| ONTONAGON | WISCONSIN     | 65,873       |
| ST CLAIR  | CANADA        | 439,263      |
| ST JOSEPH | INDIANA       | 105,249      |
| WASHTENAW | CANADA        | 13,302       |
| WASHTENAW | OHIO          | 72,761       |
| WAYNE     | CANADA        | 5,010,284    |
| WAYNE     | INDIANA       | 9,324        |
| WAYNE     | OHIO          | 210,628      |
| WAYNE     | WEST VIRGINIA | 180          |
| WEXFORD   | CANADA        | 103          |
| WEXFORD   | ILLINOIS      | 39           |
| WEXFORD   | INDIANA       | 11           |
| WEXFORD   | IOWA          | 19           |
| WEXFORD   | KANSAS        | 20           |
| WEXFORD   | MINNESOTA     | 10           |
| WEXFORD   | MISSOURI      | 4            |
| WEXFORD   | OHIO          | 3            |
| WEXFORD   | TENNESSEE     | 14           |
| WEXFORD   | WISCONSIN     | 21           |

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

| <b>TABLE 6<br/>TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2017<br/>(Volume in Cubic Yards)</b> |                     |
|--|---------------------|
| <b>COUNTY</b>  | <b>WASTE VOLUME</b> |
| ALCONA   | 11,125              |
| ALGER  | 33,174              |
| ALLEGAN  | 380,680             |
| ALPENA   | 425,422             |
| ANTRIM   | 13,575              |
| ARENAC   | 31,048              |
| BARAGA   | 34,382              |
| BARRY  | 86,423              |
| BAY  | 493,709             |
| BENZIE   | 29,235              |
| BERRIEN  | 919,853             |
| BRANCH   | 137,552             |
| CALHOUN  | 431,253             |
| CASS   | 150,819             |
| CHARLEVOIX   | 179,280             |
| CHEBOYGAN  | 94,587              |
| CHIPPEWA   | 108,302             |
| CLARE  | 90,167              |
| CLINTON  | 179,022             |
| CRAWFORD   | 56,426              |
| DELTA  | 116,988             |
| DICKINSON  | 249,175             |
| EATON  | 306,479             |
| EMMET  | 116,754             |
| GENESEE  | 1,704,339           |
| GLADWIN  | 69,787              |
| GOGEBIC  | 19,158              |
| GRAND TRAVERSE   | 382,735             |
| GRATIOT  | 156,473             |
| HILLSDALE  | 77,904              |
| HOUGHTON   | 73,881              |
| HURON  | 140,274             |
| INGHAM   | 1,028,119           |

**TABLE 6  
TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2017  
(Volume in Cubic Yards)**

| <b>COUNTY</b> | <b>WASTE VOLUME</b> |
|---------------|---------------------|
| IONIA         | 144,128             |
| IOSCO         | 80,165              |
| IRON          | 9,463               |
| ISABELLA      | 148,782             |
| JACKSON       | 387,536             |
| KALAMAZOO     | 1,177,587           |
| KALKASKA      | 112,071             |
| KENT          | 2,104,495           |
| KEWEENAW      | 4,418               |
| LAKE          | 12,018              |
| LAPEER        | 255,477             |
| LEELANAU      | 19,498              |
| LENAWEE       | 249,947             |
| LIVINGSTON    | 389,044             |
| LUCE          | 7,465               |
| MACKINAC      | 22,799              |
| MACOMB        | 2,434,168           |
| MANISTEE      | 292,582             |
| MARQUETTE     | 208,823             |
| MASON         | 168,749             |
| MECOSTA       | 77,781              |
| MENOMINEE     | 70,022              |
| MIDLAND       | 467,967             |
| MISSAUKEE     | 53,246              |
| MONROE        | 1,081,166           |
| MONTCALM      | 124,545             |
| MONTMORENCY   | 39,950              |
| MUSKEGON      | 690,599             |
| NEWAYGO       | 114,367             |
| OAKLAND       | 3,926,233           |
| OCEANA        | 49,891              |
| OGEMAW        | 33,805              |
| ONTONAGON     | 34,998              |
| OSCEOLA       | 16,342              |
| OSCODA        | 44,547              |
| OTSEGO        | 78,958              |
| OTTAWA        | 1,241,238           |

| <b>TABLE 6<br/>TOTAL WASTE DISPOSED IN MICHIGAN LANDFILLS FROM EACH COUNTY - FY 2017<br/>(Volume in Cubic Yards)</b> |                     |
|--|---------------------|
| <b>COUNTY</b>  | <b>WASTE VOLUME</b> |
| PRESQUE ISLE   | 17,776              |
| ROSCOMMON  | 72,561              |
| SAGINAW  | 618,734             |
| SANILAC  | 104,794             |
| SCHOOLCRAFT  | 65,612              |
| SHIAWASSEE   | 214,171             |
| ST CLAIR   | 916,311             |
| ST JOSEPH  | 256,794             |
| TUSCOLA  | 108,089             |
| VAN BUREN  | 280,371             |
| WASHTENAW  | 996,919             |
| WAYNE  | 9,246,608           |
| WEXFORD  | 122,215             |

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

| <b>TABLE 6A<br/>TOTAL WASTE DISPOSED BY COUNTY - FY 2017<br/>(Volume in Cubic Yards)</b> |                           |
|--|---------------------------|
| <b>COUNTY</b>  | <b>TOTAL WASTE VOLUME</b> |
| ALGER  | 148,621                   |
| ALPENA   | 299,251                   |
| BARRY  | 135,202                   |
| BAY  | 637,443                   |
| BERRIEN  | 1,940,273                 |
| CALHOUN  | 1,159,613                 |
| CHARLEVOIX   | 54,684                    |
| CHIPPEWA   | 131,954                   |
| CLARE  | 335,970                   |
| CLINTON  | 1,624,251                 |
| CRAWFORD   | 232,950                   |
| DELTA  | 138,045                   |

**TABLE 6A**  
**TOTAL WASTE DISPOSED BY COUNTY - FY 2017**  
**(Volume in Cubic Yards)**

| <b>COUNTY</b> | <b>TOTAL WASTE VOLUME</b> |
|---------------|---------------------------|
| DICKINSON     | 139,570                   |
| GENESEE       | 3,509,607                 |
| HURON         | 193,003                   |
| IONIA         | 304,479                   |
| JACKSON       | 357,272                   |
| KENT          | 1,062,647                 |
| LEELANAU      | 86,889                    |
| MACOMB        | 5,466,502                 |
| MANISTEE      | 415,890                   |
| MARQUETTE     | 198,845                   |
| MENOMINEE     | 208,854                   |
| MIDLAND       | 478,981                   |
| MONROE        | 1,508,278                 |
| MONTCALM      | 620,031                   |
| MONTMORENCY   | 196,150                   |
| MUSKEGON      | 344,494                   |
| OAKLAND       | 1,993,593                 |
| ONTONAGON     | 222,471                   |
| OTTAWA        | 2,736,156                 |
| PRESQUE ISLE  | 304,674                   |
| SAGINAW       | 579,191                   |
| SANILAC       | 118,153                   |
| SCHOOLCRAFT   | 83,426                    |
| SHIAWASSEE    | 683,820                   |
| ST CLAIR      | 1,355,566                 |
| ST JOSEPH     | 937,068                   |
| WASHTENAW     | 5,133,735                 |
| WAYNE         | 13,864,593                |
| WEXFORD       | 662,497                   |



## FACILITY INFORMATION

The total of MCW disposed, total of IW and C&D disposed, and total volume disposed at each of the 69 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<br>DISPOSED | IW AND C&D<br>DISPOSED | TOTAL WASTE<br>DISPOSED |
|---|-----------------|------------------------|-------------------------|
| ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL INC | 3,041,485       | 2,092,250              | 5,133,735               |
| AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY        | 476,857         | 536,038                | 1,012,895               |
| BRENT RUN LANDFILL                                  | 1,036,635       | 1,383,648              | 2,420,283               |
| C & C EXPANDED SANITARY LANDFILL                    | 830,161         | 329,452                | 1,159,613               |
| CARLETON FARMS LANDFILL                             | 4,122,684       | 2,371,980              | 6,494,664               |
| CENTRAL SANITARY LANDFILL                           | 573,438         | 46,593                 | 620,031                 |
| CITIZENS DISPOSAL INC                               | 476,351         | 612,973                | 1,089,324               |
| CITY ENVIRONMENTAL SERVICES INC OF WATERS           | 153,258         | 79,692                 | 232,950                 |
| CITY OF LIVONIA LANDFILL                            | 0               | 2,502                  | 2,502                   |
| CITY OF MIDLAND SANITARY LANDFILL                   | 179,569         | 299,412                | 478,981                 |
| CONSUMERS ENERGY DE KARN                            | 0               | 78,086                 | 78,086                  |
| CONSUMERS ENERGY J H CAMPBELL COMPLEX               | 0               | 246,130                | 246,130                 |
| CONSUMERS WEADOCK COMPLEX                           | 0               | 23,265                 | 23,265                  |
| COUNTY OF MUSKEGON - SOLID WASTE LANDFILL           | 220,852         | 123,642                | 344,494                 |
| DAFTER SANITARY LANDFILL                            | 129,442         | 2,512                  | 131,954                 |
| DELTA COUNTY LANDFILL                               | 60,681          | 46,479                 | 107,160                 |
| DETROIT EDISON CO RANGE RD ASH DISPOSAL             | 0               | 245,001                | 245,001                 |
| DETROIT EDISON CO SIBLEY QUARRY                     | 0               | 99,629                 | 99,629                  |
| DTE MONROE POWER PLANT                              | 0               | 296,300                | 296,300                 |

**TABLE 7  
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2017  
(Volume in Cubic Yards)**

| <b>FACILITY NAME</b>                           | <b>MCW<br/>DISPOSED</b> | <b>IW AND C&amp;D<br/>DISPOSED</b> | <b>TOTAL WASTE<br/>DISPOSED</b> |
|--|-------------------------|------------------------------------|---------------------------------|
| EAGLE VALLEY RECYCLE & DISPOSAL FACILITY       | 951,447                 | 380,105                            | 1,331,552                       |
| EDWARD C LEVY CO LANDFILL                      | 0                       | 5,432                              | 5,432                           |
| ELK RUN LANDFILL                               | 248,434                 | 56,240                             | 304,674                         |
| EVER-GREEN LANDFILL AND RECYCLING CENTER, LLC  | 0                       | 11,473                             | 11,473                          |
| FOREST LAWN LANDFILL INC                       | 231,741                 | 20,198                             | 251,939                         |
| GLENS SANITARY LANDFILL                        | 65,763                  | 21,126                             | 86,889                          |
| GRANGER GRAND RIVER LANDFILL                   | 8,217                   | 0                                  | 8,217                           |
| GRANGER WOOD STREET LANDFILL                   | 1,616,034               | 0                                  | 1,616,034                       |
| HAYWIRE LANDFILL                               | 0                       | 31,379                             | 31,379                          |
| HIAWATHA SHORES LANDFILL INC                   | 35,563                  | 16,484                             | 52,047                          |
| HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL | 0                       | 10,524                             | 10,524                          |
| HURON LANDFILL CORP. - DBA HURON LANDFILL      | 135,861                 | 57,142                             | 193,003                         |
| K & W LANDFILL                                 | 200,519                 | 10,479                             | 210,998                         |
| LAFARGE MIDWEST INC                            | 0                       | 299,251                            | 299,251                         |
| LIBERTY ENVIRONMENTALISTS LANDFILL             | 0                       | 181,825                            | 181,825                         |
| MANISTEE COUNTY LANDFILL INC                   | 181,431                 | 234,459                            | 415,890                         |
| MARQUETTE COUNTY LANDFILL                      | 102,874                 | 85,675                             | 188,549                         |
| MATLIN ROAD LANDFILL                           | 0                       | 7,256                              | 7,256                           |
| MCGILL ROAD LANDFILL                           | 114,194                 | 61,253                             | 175,447                         |
| MICHIGAN ENVIRONS INC                          | 129,770                 | 79,084                             | 208,854                         |
| MONROE INVESTMENTS I LLC                       | 0                       | 10,640                             | 10,640                          |
| MONTMORENCY-OSCODA-ALPENA SWMA                 | 127,877                 | 68,273                             | 196,150                         |
| NIAGARA DEVELOPMENT LLC                        | 0                       | 29,339                             | 29,339                          |
| NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY  | 188,596                 | 147,374                            | 335,970                         |
| OAKLAND HEIGHTS DEVELOPMENT INC                | 425,671                 | 236,370                            | 662,041                         |
| ORCHARD HILL SANITARY LANDFILL                 | 647,010                 | 0                                  | 647,010                         |
| OTTAWA COUNTY FARMS LANDFILL                   | 737,163                 | 729,444                            | 1,466,607                       |

**TABLE 7  
TOTAL WASTE DISPOSAL BY FACILITY - ALPHABETICAL LISTING - FY 2017  
(Volume in Cubic Yards)**

| <b>FACILITY NAME</b>                                 | <b>MCW<br/>DISPOSED</b> | <b>IW AND C&amp;D<br/>DISPOSED</b> | <b>TOTAL WASTE<br/>DISPOSED</b> |
|--|-------------------------|------------------------------------|---------------------------------|
| PEOPLES LANDFILL INC                                 | 444,501                 | 99,011                             | 543,512                         |
| PINE TREE ACRES INC                                  | 4,507,104               | 959,398                            | 5,466,502                       |
| PITSCH SANITARY LANDFILL                             | 28,236                  | 276,243                            | 304,479                         |
| RACER SAGINAW NODULAR<br>INDUSTRIAL LAND             | 0                       | 35,679                             | 35,679                          |
| RIVERVIEW LAND PRESERVE                              | 1,443,239               | 621,090                            | 2,064,329                       |
| SAUK TRAIL HILLS LANDFILL                            | 784,679                 | 607,003                            | 1,391,682                       |
| SC HOLDINGS, INC.                                    | 118,087                 | 17,115                             | 135,202                         |
| SMITHS CREEK LANDFILL                                | 917,101                 | 193,464                            | 1,110,565                       |
| SOUTH KENT LANDFILL                                  | 1,059,395               | 0                                  | 1,059,395                       |
| SOUTHEAST BERRIEN COUNTY<br>LANDFILL                 | 854,232                 | 187,092                            | 1,041,324                       |
| SPARTA FOUNDRY WASTE<br>FACILITY                     | 0                       | 3,252                              | 3,252                           |
| ST MARYS CEMENT INC                                  | 0                       | 54,684                             | 54,684                          |
| TRI-CITY RECYCLING AND<br>DISPOSAL FACILITY          | 93,027                  | 25,126                             | 118,153                         |
| VENICE PARK RECYCLING &<br>DISPOSAL FACIL            | 439,327                 | 244,493                            | 683,820                         |
| VERSO ESCANABA LLC                                   | 0                       | 30,885                             | 30,885                          |
| VERSO QUINNESEC LLC.                                 | 0                       | 110,231                            | 110,231                         |
| VIENNA JUNCTION INDUSTRIAL<br>PARK SANITARY LANDFILL | 559,523                 | 634,559                            | 1,194,082                       |
| WE ENERGIES PRESQUE ISLE<br>POWER PLANT              | 0                       | 10,296                             | 10,296                          |
| WESTSIDE RECYCLING &<br>DISPOSAL FACILITY            | 515,563                 | 421,505                            | 937,068                         |
| WEXFORD COUNTY LANDFILL,<br>LLC                      | 553,258                 | 109,239                            | 662,497                         |
| WHITEFEATHER LANDFILL                                | 370,788                 | 165,304                            | 536,092                         |
| WOOD ISLAND WASTE<br>MANAGEMENT INC                  | 124,457                 | 24,164                             | 148,621                         |
| WOODLAND MEADOWS RDF-<br>VAN BUREN                   | 2,240,890               | 1,565,465                          | 3,806,355                       |

**TABLE 8  
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2017  
(Volume in Cubic Yards)**

| <b>FACILITY NAME</b>                                      | <b>MCW<br/>DISPOSED</b> | <b>IW AND C&amp;D<br/>DISPOSED</b> | <b>TOTAL WASTE<br/>DISPOSED</b> |
|---|-------------------------|------------------------------------|---------------------------------|
| PINE TREE ACRES INC                                       | 4,507,104               | 959,398                            | 5,466,502                       |
| CARLETON FARMS LANDFILL                                   | 4,122,684               | 2,371,980                          | 6,494,664                       |
| ADVANCED DISPOSAL<br>SERVICES ARBOR HILLS<br>LANDFILL INC | 3,041,485               | 2,092,250                          | 5,133,735                       |
| WOODLAND MEADOWS RDF-<br>VAN BUREN                        | 2,240,890               | 1,565,465                          | 3,806,355                       |
| GRANGER WOOD STREET<br>LANDFILL                           | 1,616,034               | 0                                  | 1,616,034                       |
| RIVERVIEW LAND PRESERVE                                   | 1,443,239               | 621,090                            | 2,064,329                       |
| SOUTH KENT LANDFILL                                       | 1,059,395               | 0                                  | 1,059,395                       |
| BRENT RUN LANDFILL  | 1,036,635               | 1,383,648                          | 2,420,283                       |
| EAGLE VALLEY RECYCLE &<br>DISPOSAL FACILITY               | 951,447                 | 380,105                            | 1,331,552                       |
| SMITHS CREEK LANDFILL                                     | 917,101                 | 193,464                            | 1,110,565                       |
| SOUTHEAST BERRIEN COUNTY<br>LANDFILL                      | 854,232                 | 187,092                            | 1,041,324                       |
| C & C EXPANDED SANITARY<br>LANDFILL                       | 830,161                 | 329,452                            | 1,159,613                       |
| SAUK TRAIL HILLS LANDFILL                                 | 784,679                 | 607,003                            | 1,391,682                       |
| OTTAWA COUNTY FARMS<br>LANDFILL                           | 737,163                 | 729,444                            | 1,466,607                       |
| ORCHARD HILL SANITARY<br>LANDFILL                         | 647,010                 | 0                                  | 647,010                         |
| CENTRAL SANITARY LANDFILL                                 | 573,438                 | 46,593                             | 620,031                         |
| VIENNA JUNCTION INDUSTRIAL<br>PARK SANITARY LANDFILL      | 559,523                 | 634,559                            | 1,194,082                       |
| WEXFORD COUNTY LANDFILL,<br>LLC                           | 553,258                 | 109,239                            | 662,497                         |
| WESTSIDE RECYCLING &<br>DISPOSAL FACILITY                 | 515,563                 | 421,505                            | 937,068                         |
| AUTUMN HILLS RECYCLING<br>AND DISPOSAL FACILITY           | 476,857                 | 536,038                            | 1,012,895                       |
| CITIZENS DISPOSAL INC                                     | 476,351                 | 612,973                            | 1,089,324                       |
| PEOPLES LANDFILL INC                                      | 444,501                 | 99,011                             | 543,512                         |
| VENICE PARK RECYCLING &<br>DISPOSAL FACIL                 | 439,327                 | 244,493                            | 683,820                         |
| OAKLAND HEIGHTS<br>DEVELOPMENT INC                        | 425,671                 | 236,370                            | 662,041                         |
| WHITEFEATHER LANDFILL                                     | 370,788                 | 165,304                            | 536,092                         |
| ELK RUN LANDFILL  | 248,434                 | 56,240                             | 304,674                         |

**TABLE 8  
MCW DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2017  
(Volume in Cubic Yards)**

| <b>FACILITY NAME</b>                             | <b>MCW<br/>DISPOSED</b> | <b>IW AND C&amp;D<br/>DISPOSED</b> | <b>TOTAL WASTE<br/>DISPOSED</b> |
|--|-------------------------|------------------------------------|---------------------------------|
| FOREST LAWN LANDFILL INC                         | 231,741                 | 20,198                             | 251,939                         |
| COUNTY OF MUSKEGON -<br>SOLID WASTE LANDFILL     | 220,852                 | 123,642                            | 344,494                         |
| K & W LANDFILL                                   | 200,519                 | 10,479                             | 210,998                         |
| NORTHERN OAKS RECYCLING<br>AND DISPOSAL FACILITY | 188,596                 | 147,374                            | 335,970                         |
| MANISTEE COUNTY LANDFILL<br>INC                  | 181,431                 | 234,459                            | 415,890                         |
| CITY OF MIDLAND SANITARY<br>LANDFILL             | 179,569                 | 299,412                            | 478,981                         |
| CITY ENVIRONMENTAL<br>SERVICES INC OF WATERS     | 153,258                 | 79,692                             | 232,950                         |
| HURON LANDFILL CORP. - DBA<br>HURON LANDFILL     | 135,861                 | 57,142                             | 193,003                         |
| MICHIGAN ENVIRONS INC                            | 129,770                 | 79,084                             | 208,854                         |
| DAFTER SANITARY LANDFILL                         | 129,442                 | 2,512                              | 131,954                         |
| MONTMORENCY-OSCODA-<br>ALPENA SWMA               | 127,877                 | 68,273                             | 196,150                         |
| WOOD ISLAND WASTE<br>MANAGEMENT INC              | 124,457                 | 24,164                             | 148,621                         |
| SC HOLDINGS, INC.                                | 118,087                 | 17,115                             | 135,202                         |
| MCGILL ROAD LANDFILL                             | 114,194                 | 61,253                             | 175,447                         |
| MARQUETTE COUNTY LANDFILL                        | 102,874                 | 85,675                             | 188,549                         |
| TRI-CITY RECYCLING AND<br>DISPOSAL FACILITY      | 93,027                  | 25,126                             | 118,153                         |
| GLENS SANITARY LANDFILL                          | 65,763                  | 21,126                             | 86,889                          |
| DELTA COUNTY LANDFILL                            | 60,681                  | 46,479                             | 107,160                         |
| HIAWATHA SHORES LANDFILL<br>INC                  | 35,563                  | 16,484                             | 52,047                          |
| PITSCH SANITARY LANDFILL                         | 28,236                  | 276,243                            | 304,479                         |
| GRANGER GRAND RIVER<br>LANDFILL                  | 8,217                   | 0                                  | 8,217                           |

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2017  
(Volume in Cubic Yards)**

| <b>FACILITY NAME</b>                                      | <b>MCW<br/>DISPOSED</b> | <b>IW AND C&amp;D<br/>DISPOSED</b> | <b>TOTAL WASTE<br/>DISPOSED</b> |
|---|-------------------------|------------------------------------|---------------------------------|
| CARLETON FARMS LANDFILL                                   | 4,122,684               | 2,371,980                          | 6,494,664                       |
| ADVANCED DISPOSAL<br>SERVICES ARBOR HILLS<br>LANDFILL INC | 3,041,485               | 2,092,250                          | 5,133,735                       |
| WOODLAND MEADOWS RDF-<br>VAN BUREN                        | 2,240,890               | 1,565,465                          | 3,806,355                       |
| BRENT RUN LANDFILL  | 1,036,635               | 1,383,648                          | 2,420,283                       |
| PINE TREE ACRES INC                                       | 4,507,104               | 959,398                            | 5,466,502                       |
| OTTAWA COUNTY FARMS<br>LANDFILL                           | 737,163                 | 729,444                            | 1,466,607                       |
| VIENNA JUNCTION INDUSTRIAL<br>PARK SANITARY LANDFILL      | 559,523                 | 634,559                            | 1,194,082                       |
| RIVERVIEW LAND PRESERVE                                   | 1,443,239               | 621,090                            | 2,064,329                       |
| CITIZENS DISPOSAL INC                                     | 476,351                 | 612,973                            | 1,089,324                       |
| SAUK TRAIL HILLS LANDFILL                                 | 784,679                 | 607,003                            | 1,391,682                       |
| AUTUMN HILLS RECYCLING<br>AND DISPOSAL FACILITY           | 476,857                 | 536,038                            | 1,012,895                       |
| WESTSIDE RECYCLING &<br>DISPOSAL FACILITY                 | 515,563                 | 421,505                            | 937,068                         |
| EAGLE VALLEY RECYCLE &<br>DISPOSAL FACILITY               | 951,447                 | 380,105                            | 1,331,552                       |
| C & C EXPANDED SANITARY<br>LANDFILL                       | 830,161                 | 329,452                            | 1,159,613                       |
| CITY OF MIDLAND SANITARY<br>LANDFILL                      | 179,569                 | 299,412                            | 478,981                         |
| LAFARGE MIDWEST INC                                       | 0                       | 299,251                            | 299,251                         |
| DTE MONROE POWER PLANT                                    | 0                       | 296,300                            | 296,300                         |
| PITSCH SANITARY LANDFILL                                  | 28,236                  | 276,243                            | 304,479                         |
| CONSUMERS ENERGY J H<br>CAMPBELL COMPLEX                  | 0                       | 246,130                            | 246,130                         |
| DETROIT EDISON CO RANGE<br>RD ASH DISPOSAL                | 0                       | 245,001                            | 245,001                         |
| VENICE PARK RECYCLING &<br>DISPOSAL FACIL                 | 439,327                 | 244,493                            | 683,820                         |
| OAKLAND HEIGHTS<br>DEVELOPMENT INC                        | 425,671                 | 236,370                            | 662,041                         |
| MANISTEE COUNTY LANDFILL<br>INC                           | 181,431                 | 234,459                            | 415,890                         |
| SMITHS CREEK LANDFILL                                     | 917,101                 | 193,464                            | 1,110,565                       |

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2017  
(Volume in Cubic Yards)**

| <b>FACILITY NAME</b>                             | <b>MCW<br/>DISPOSED</b> | <b>IW AND C&amp;D<br/>DISPOSED</b> | <b>TOTAL WASTE<br/>DISPOSED</b> |
|--|-------------------------|------------------------------------|---------------------------------|
| SOUTHEAST BERRIEN COUNTY<br>LANDFILL             | 854,232                 | 187,092                            | 1,041,324                       |
| LIBERTY ENVIRONMENTALISTS<br>LANDFILL            | 0                       | 181,825                            | 181,825                         |
| WHITEFEATHER LANDFILL                            | 370,788                 | 165,304                            | 536,092                         |
| NORTHERN OAKS RECYCLING<br>AND DISPOSAL FACILITY | 188,596                 | 147,374                            | 335,970                         |
| COUNTY OF MUSKEGON -<br>SOLID WASTE LANDFILL     | 220,852                 | 123,642                            | 344,494                         |
| VERSO QUINNESEC LLC.                             | 0                       | 110,231                            | 110,231                         |
| WEXFORD COUNTY LANDFILL,<br>LLC                  | 553,258                 | 109,239                            | 662,497                         |
| DETROIT EDISON CO SIBLEY<br>QUARRY               | 0                       | 99,629                             | 99,629                          |
| PEOPLES LANDFILL INC                             | 444,501                 | 99,011                             | 543,512                         |
| MARQUETTE COUNTY LANDFILL                        | 102,874                 | 85,675                             | 188,549                         |
| CITY ENVIRONMENTAL<br>SERVICES INC OF WATERS     | 153,258                 | 79,692                             | 232,950                         |
| MICHIGAN ENVIRONS INC                            | 129,770                 | 79,084                             | 208,854                         |
| CONSUMERS ENERGY DE KARN                         | 0                       | 78,086                             | 78,086                          |
| MONTMORENCY-OSCODA-<br>ALPENA SWMA               | 127,877                 | 68,273                             | 196,150                         |
| MCGILL ROAD LANDFILL                             | 114,194                 | 61,253                             | 175,447                         |
| HURON LANDFILL CORP. - DBA<br>HURON LANDFILL     | 135,861                 | 57,142                             | 193,003                         |
| ELK RUN LANDFILL                                 | 248,434                 | 56,240                             | 304,674                         |
| ST MARYS CEMENT INC                              | 0                       | 54,684                             | 54,684                          |
| CENTRAL SANITARY LANDFILL                        | 573,438                 | 46,593                             | 620,031                         |
| DELTA COUNTY LANDFILL                            | 60,681                  | 46,479                             | 107,160                         |
| RACER SAGINAW NODULAR<br>INDUSTRIAL LAND         | 0                       | 35,679                             | 35,679                          |
| HAYWIRE LANDFILL                                 | 0                       | 31,379                             | 31,379                          |
| VERSO ESCANABA LLC                               | 0                       | 30,885                             | 30,885                          |
| NIAGARA DEVELOPMENT LLC                          | 0                       | 29,339                             | 29,339                          |
| TRI-CITY RECYCLING AND<br>DISPOSAL FACILITY      | 93,027                  | 25,126                             | 118,153                         |
| WOOD ISLAND WASTE<br>MANAGEMENT INC              | 124,457                 | 24,164                             | 148,621                         |
| CONSUMERS WEADOCK<br>COMPLEX                     | 0                       | 23,265                             | 23,265                          |

**TABLE 9  
IW AND C&D DISPOSAL BY FACILITY - RANKED BY VOLUME - FY 2017  
(Volume in Cubic Yards)**

| <b>FACILITY NAME</b>                              | <b>MCW<br/>DISPOSED</b> | <b>IW AND C&amp;D<br/>DISPOSED</b> | <b>TOTAL WASTE<br/>DISPOSED</b> |
|---|-------------------------|------------------------------------|---------------------------------|
| GLENS SANITARY LANDFILL                           | 65,763                  | 21,126                             | 86,889                          |
| FOREST LAWN LANDFILL INC                          | 231,741                 | 20,198                             | 251,939                         |
| SC HOLDINGS, INC.                                 | 118,087                 | 17,115                             | 135,202                         |
| HIAWATHA SHORES LANDFILL<br>INC                   | 35,563                  | 16,484                             | 52,047                          |
| EVER-GREEN LANDFILL AND<br>RECYCLING CENTER, LLC  | 0                       | 11,473                             | 11,473                          |
| MONROE INVESTMENTS I LLC                          | 0                       | 10,640                             | 10,640                          |
| HOLLAND PUBLIC WORKS<br>ZEELAND TOWNSHIP LANDFILL | 0                       | 10,524                             | 10,524                          |
| K & W LANDFILL                                    | 200,519                 | 10,479                             | 210,998                         |
| WE ENERGIES PRESQUE ISLE<br>POWER PLANT           | 0                       | 10,296                             | 10,296                          |
| MATLIN ROAD LANDFILL                              | 0                       | 7,256                              | 7,256                           |
| EDWARD C LEVY CO LANDFILL                         | 0                       | 5,432                              | 5,432                           |
| SPARTA FOUNDRY WASTE<br>FACILITY                  | 0                       | 3,252                              | 3,252                           |
| DAFTER SANITARY LANDFILL                          | 129,442                 | 2,512                              | 131,954                         |
| CITY OF LIVONIA LANDFILL                          | 0                       | 2,502                              | 2,502                           |



## 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 2017 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 2017  
(Volume in Cubic Yards)**

| FACILITY NAME  | (A)<br>REMAINING<br>CAPACITY | (B)<br>CAPACITY<br>USED IN<br>FY 2017 | (C)<br>PROJECTED<br>YEARS OF<br>REMAINING<br>CAPACITY | (D)<br>CALCULATED<br>YEARS OF<br>REMAINING<br>CAPACITY |
|--|------------------------------|---------------------------------------|---|--|
|  | REPORTED BY THE LANDFILL     |                                       |   |  |
| ADVANCED DISPOSAL SERVICES<br>ARBOR HILLS LANDFILL INC | 19,325,000                   | 2,104,268                             | 9   | 9  |
| AUTUMN HILLS RECYCLING AND<br>DISPOSAL FACILITY        | 21,423,152                   | 604,848                               | 67  | 35   |
| BRENT RUN LANDFILL                                     | 16,224,192                   | 1,085,102                             | 15  | 15   |
| C & C EXPANDED SANITARY LANDFILL                       | 1,139,681                    | 402,173                               | 3   | 3  |
| CARLETON FARMS LANDFILL                                | 56,183,847                   | 2,471,095                             | 23  | 23   |
| CENTRAL SANITARY LANDFILL                              | 8,912,480                    | 292,712                               | 40  | 30   |
| CITIZENS DISPOSAL INC                                  | 6,432,357                    | 312,646                               | 17  | 21   |
| CITY ENVIRONMENTAL SERVICES INC<br>OF WATERS           | 15,113,013                   | 116,475                               | 130   | 130  |
| CITY OF MIDLAND SANITARY LANDFILL                      | 7,149,817                    | 181,365                               | 47  | 39   |
| COUNTY OF MUSKEGON - SOLID WASTE<br>LANDFILL           | 801,920                      | 136,830                               | 5   | 6  |
| DAFTER SANITARY LANDFILL                               | 3,511,659                    | 53,880                                | 88  | 65   |
| DELTA COUNTY LANDFILL                                  | 6,022,623                    | 50,025                                | 112   | 120  |
| DETROIT EDISON CO SIBLEY QUARRY                        | 18,141,179                   | 76,665                                | 182   | 237  |
| EAGLE VALLEY RECYCLE & DISPOSAL<br>FACILITY            | 10,517,000                   | 579,500                               | 24  | 18   |
| EDWARD C LEVY CO LANDFILL                              | 0                            | 0                                     | 0   | 0  |
| ELK RUN LANDFILL                                       | 1,774,648                    | 92,527                                | 16  | 19   |
| EVER-GREEN LANDFILL AND<br>RECYCLING CENTER, LLC       | 530,439                      | 15,000                                | 35  | 35   |
| FOREST LAWN LANDFILL INC                               | 0                            | 139,522                               | 0   | 0  |
| GLENS SANITARY LANDFILL                                | 17,926,643                   | 43,445                                | 413   | 413  |
| GRANGER GRAND RIVER LANDFILL                           | 5,416,001                    | 4,108                                 | 1,318   | 1,318  |
| GRANGER WOOD STREET LANDFILL                           | 17,081,602                   | 808,016                               | 21  | 21   |
| HIAWATHA SHORES LANDFILL INC                           | 1,832,362                    | 28,013                                | 73  | 65   |
| HURON LANDFILL CORP. - DBA HURON<br>LANDFILL           | 464,439                      | 207,106                               | 4   | 2  |
| K & W LANDFILL   | 1,647,375                    | 105,540                               | 23  | 16   |
| LIBERTY ENVIRONMENTALISTS<br>LANDFILL                  | 2,722,775                    | 181,825                               | 15  | 15   |
| MANISTEE COUNTY LANDFILL INC                           | 8,803,986                    | 324,074                               | 52  | 27   |
| MARQUETTE COUNTY LANDFILL                              | 692,104                      | 90,030                                | 8   | 8  |
| MATLIN ROAD LANDFILL                                   | 346,880                      | 7,256                                 | 126   | 48   |
| MCGILL ROAD LANDFILL                                   | 606,400                      | 83,500                                | 8   | 7  |
| MICHIGAN ENVIRONS INC                                  | 2,319,776                    | 67,045                                | 29  | 35   |

**TABLE 10  
FACILITY CAPACITY AND YEARS REMAINING FOR  
NONCAPTIVE FACILITIES - FY 2017  
(Volume in Cubic Yards)**

| FACILITY NAME                                     | (A)<br>REMAINING<br>CAPACITY | (B)<br>CAPACITY<br>USED IN<br>FY 2017 | (C)<br>PROJECTED<br>YEARS OF<br>REMAINING<br>CAPACITY | (D)<br>CALCULATED<br>YEARS OF<br>REMAINING<br>CAPACITY |
|---|------------------------------|---------------------------------------|---|--|
|   | REPORTED BY THE LANDFILL     |                                       |   |  |
| MONTMORENCY-OSCODA-ALPENA SWMA                    | 2,199,418                    | 107,600                               | 20  | 20   |
| NIAGARA DEVELOPMENT LLC                           | 1,895,478                    | 29,871                                | 63  | 63   |
| NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY     | 6,740,270                    | 167,985                               | 40  | 40   |
| OAKLAND HEIGHTS DEVELOPMENT INC                   | 184,531                      | 198,472                               | 7   | 1  |
| ORCHARD HILL SANITARY LANDFILL                    | 16,858,022                   | 269,587                               | 62  | 63   |
| OTTAWA COUNTY FARMS LANDFILL                      | 34,700,557                   | 935,353                               | 55  | 37   |
| PEOPLES LANDFILL INC                              | 5,668,205                    | 252,940                               | 28  | 22   |
| PINE TREE ACRES INC                               | 38,840,482                   | 1,883,458                             | 24  | 21   |
| PITSCH SANITARY LANDFILL                          | 2,136,017                    | 304,479                               | 22  | 7  |
| RIVERVIEW LAND PRESERVE                           | 10,450,065                   | 881,966                               | 12  | 12   |
| SAUK TRAIL HILLS LANDFILL                         | 6,782,576                    | 601,072                               | 11  | 11   |
| SC HOLDINGS, INC.                                 | 2,107,454                    | 72,494                                | 41  | 29   |
| SMITHS CREEK LANDFILL                             | 18,753,679                   | 433,837                               | 44  | 43   |
| SOUTH KENT LANDFILL                               | 5,729,982                    | 571,493                               | 13  | 10   |
| SOUTHEAST BERRIEN COUNTY LANDFILL                 | 4,836,497                    | 212,028                               | 23  | 23   |
| TRI-CITY RECYCLING AND DISPOSAL FACILITY          | 16,800,150                   | 35,500                                | 209   | 473  |
| VENICE PARK RECYCLING & DISPOSAL FACIL            | 8,119,415                    | 249,125                               | 33  | 33   |
| VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL | 4,840,000                    | 392,400                               | 12  | 12   |
| WESTSIDE RECYCLING & DISPOSAL FACILITY            | 36,634,644                   | 406,615                               | 115   | 90   |
| WEXFORD COUNTY LANDFILL, LLC                      | 19,116,736                   | 304,619                               | 58  | 63   |
| WHITEFEATHER LANDFILL                             | 1,948,791                    | 176,731                               | 12  | 11   |
| WOOD ISLAND WASTE MANAGEMENT INC                  | 2,228,964                    | 148,622                               | 31  | 15   |
| WOODLAND MEADOWS RDF-VAN BUREN                    | 13,362,000                   | 1,315,000                             | 8   | 10   |
| <b>TOTAL</b>                                      | <b>513,997,283</b>           | <b>20,615,838</b>                     |   |  |

Based on current capacity used for FY 2017 (20,615,838 cubic yards) and total remaining capacity at noncaptive facilities (513,997,283 cubic yards), which may include additional capacity permitted<sup>8</sup> during the fiscal year and using the same calculation for deriving the values in Column (D), it is estimated that Michigan noncaptive landfills have approximately 25 years of remaining disposal capacity left. This estimate does not take into consideration any projected increase or decrease in waste disposal rates, waste diversion programs, or any county-imposed restrictions such as volume limitations, any special conditions, or the waste import/export authorizations of each county.

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<sup>8</sup> Construction permits were issued to the following landfills and were reflected in their Combined Report forms; these permits increased or decreased their disposal capacities and have been reflected in this report: Marquette County Landfill; South Kent Landfill; and Ottawa County Farms Landfill.

## APPENDIX A – WASTE TYPE KEY

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

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

[Link to Part 115, Solid Waste Management 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 2017**  
 (All Values are in Cubic Yards)

| <b>ADVANCED DISPOSAL SERVICES ARBOR HILLS LANDFILL INC<br/>(WASHTENAW COUNTY)</b> |                  |                |                  |
|---|------------------|----------------|------------------|
| <b>ORIGIN</b>   | <b>MCW</b>       | <b>IW</b>      | <b>C&amp;D</b>   |
| CANADA  | 13,062           | 220            | 20               |
| GENESEE   | 338              | 360            | 44               |
| INGHAM  | 43               | 2,104          | 2,140            |
| LIVINGSTON  | 50,305           | 6,980          | 55,107           |
| MACOMB  | 431,997          | 34,950         | 313,223          |
| OAKLAND   | 1,096,479        | 113,669        | 268,618          |
| OHIO  | 15,566           | 57,138         | 57               |
| WASHTENAW   | 225,160          | 107,648        | 119,680          |
| WAYNE   | 1,208,535        | 331,240        | 679,052          |
| <b>TOTALS</b>   | <b>3,041,485</b> | <b>654,309</b> | <b>1,437,941</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>AUTUMN HILLS RECYCLING AND DISPOSAL FACILITY<br/>(OTTAWA COUNTY)</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| ALLEGAN   | 47,846         | 82,703         | 9,355          |
| BARRY   | 40             | 75             | 49             |
| BERRIEN   | 0              | 5,806          | 0              |
| BRANCH  | 0              | 135            | 1              |
| CALHOUN   | 0              | 180            | 0              |
| CASS  | 0              | 40             | 0              |
| EATON   | 16             | 66             | 0              |
| IONIA   | 7,173          | 606            | 61             |
| ISABELLA  | 0              | 40             | 0              |
| KALAMAZOO   | 3              | 31,838         | 80             |
| KENT  | 93,421         | 105,539        | 4,616          |
| MASON   | 0              | 318            | 0              |
| MECOSTA   | 19             | 111            | 0              |
| MONTCALM  | 2,728          | 15,816         | 31             |
| MUSKEGON  | 48,144         | 9,365          | 618            |
| NEWAYGO   | 0              | 20             | 0              |
| OCEANA  | 0              | 50             | 0              |
| OTTAWA  | 277,347        | 177,418        | 28,727         |
| ST JOSEPH   | 18             | 0              | 0              |
| VAN BUREN   | 102            | 61,427         | 947            |
| <b>TOTALS</b>   | <b>476,857</b> | <b>491,553</b> | <b>44,485</b>  |



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>BRENT RUN LANDFILL<br/>(GENESEE COUNTY)</b> |                  |                |                  |
|--|------------------|----------------|------------------|
| <b>ORIGIN</b>                                  | <b>MCW</b>       | <b>IW</b>      | <b>C&amp;D</b>   |
| ALLEGAN  | 0                | 0              | 92               |
| BAY  | 9,804            | 3,543          | 6,405            |
| CANADA   | 404,767          | 64             | 865,190          |
| CLINTON  | 1,437            | 1,310          | 1,000            |
| EATON  | 0                | 0              | 1,323            |
| GENESEE  | 326,125          | 143,630        | 102,540          |
| GRATIOT  | 2,711            | 133            | 3,346            |
| INGHAM   | 816              | 0              | 8,998            |
| LAPEER   | 156,517          | 122            | 28,813           |
| LIVINGSTON                                     | 1,307            | 115            | 1,074            |
| NEW JERSEY                                     | 0                | 0              | 276              |
| OAKLAND  | 26,246           | 250            | 25,918           |
| OHIO   | 0                | 31,493         | 0                |
| SAGINAW  | 55,979           | 4,430          | 64,610           |
| SANILAC  | 12,741           | 1,933          | 269              |
| SHIAWASSEE                                     | 33,779           | 5,517          | 8,571            |
| TUSCOLA  | 4,406            | 396            | 4,446            |
| WASHINGTON                                     | 0                | 6              | 0                |
| WASHTENAW                                      | 0                | 4,010          | 46               |
| WAYNE  | 0                | 63,583         | 196              |
| <b>TOTALS</b>                                  | <b>1,036,635</b> | <b>260,535</b> | <b>1,123,113</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>C &amp; C EXPANDED SANITARY LANDFILL<br/>(CALHOUN COUNTY)</b> |                |                |                |
|--|----------------|----------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| ALLEGAN  | 169            | 1,614          | 17             |
| BARRY  | 205            | 650            | 475            |
| BERRIEN  | 78,070         | 2              | 0              |
| BRANCH   | 57,136         | 24,591         | 36,894         |
| CALHOUN  | 157,242        | 41,169         | 98,799         |
| CLINTON  | 601            | 0              | 103            |
| EATON  | 52,791         | 5,397          | 13,193         |
| HILLSDALE  | 55,661         | 13,405         | 1,500          |
| INGHAM   | 18,129         | 11,762         | 25,034         |
| JACKSON  | 19,731         | 2,138          | 1,540          |
| KALAMAZOO  | 389,340        | 21,146         | 29,427         |
| LENAWEE  | 0              | 18             | 0              |
| OTTAWA   | 0              | 5              | 0              |
| ST JOSEPH  | 1,017          | 282            | 271            |
| VAN BUREN  | 69             | 20             | 0              |
| <b>TOTALS</b>  | <b>830,161</b> | <b>122,199</b> | <b>207,253</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>CARLETON FARMS LANDFILL<br/>(WAYNE COUNTY)</b> |                  |                  |                  |
|---|------------------|------------------|------------------|
| <b>ORIGIN</b>                                     | <b>MCW</b>       | <b>IW</b>        | <b>C&amp;D</b>   |
| CANADA  | 3,497,352        | 171,703          | 913,720          |
| INDIANA   | 0                | 9,315            | 9                |
| JACKSON   | 0                | 30               | 0                |
| KALAMAZOO   | 0                | 0                | 20               |
| LENAWEE   | 116,922          | 24,397           | 17,108           |
| MACOMB  | 0                | 3,450            | 0                |
| MONROE  | 44,744           | 31,061           | 40,238           |
| OAKLAND   | 13,976           | 32,298           | 17,956           |
| OHIO  | 21               | 195,298          | 83               |
| WASHTENAW   | 17,750           | 2,209            | 8,178            |
| WAYNE   | 431,919          | 744,217          | 160,510          |
| WEST VIRGINIA                                     | 0                | 0                | 180              |
| <b>TOTALS</b>                                     | <b>4,122,684</b> | <b>1,213,978</b> | <b>1,158,002</b> |

| <b>CENTRAL SANITARY LANDFILL<br/>(MONTCALM COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| BARRY  | 3              | 0             | 0              |
| GRATIOT  | 11,074         | 73            | 64             |
| IONIA  | 23,612         | 944           | 0              |
| ISABELLA   | 32,959         | 18            | 0              |
| KALAMAZOO  | 39             | 0             | 0              |
| KENT   | 311,592        | 24,703        | 1,160          |
| LAKE   | 28             | 0             | 150            |
| MECOSTA  | 44,318         | 304           | 474            |
| MONTCALM   | 63,821         | 6,791         | 2,927          |
| NEWAYGO  | 74,647         | 1,891         | 6,297          |
| OSCEOLA  | 11,345         | 745           | 52             |
| <b>TOTALS</b>  | <b>573,438</b> | <b>35,469</b> | <b>11,124</b>  |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>CITIZENS DISPOSAL INC<br/>(GENESEE COUNTY)</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>ORIGIN</b>                                     | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| BAY   | 22             | 448            | 32             |
| CANADA  | 8,892          | 0              | 0              |
| EATON   | 0              | 200            | 0              |
| GENESEE   | 342,668        | 400,729        | 121,603        |
| HURON   | 40             | 0              | 0              |
| INGHAM  | 0              | 3,470          | 37             |
| JACKSON   | 0              | 2              | 0              |
| LAPEER  | 14,194         | 1,609          | 18,182         |
| LENAWEE   | 0              | 41             | 0              |
| LIVINGSTON  | 42,652         | 7,622          | 13,971         |
| OAKLAND   | 14,426         | 6,511          | 18,502         |
| OHIO  | 0              | 20             | 0              |
| SAGINAW   | 9,776          | 1,843          | 564            |
| SANILAC   | 827            | 0              | 0              |
| SHIAWASSEE  | 19,075         | 83             | 2,280          |
| TUSCOLA   | 23,779         | 1              | 217            |
| WASHTENAW   | 0              | 124            | 15             |
| WAYNE   | 0              | 14,778         | 89             |
| <b>TOTALS</b>                                     | <b>476,351</b> | <b>437,481</b> | <b>175,492</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>CITY ENVIRONMENTAL SERVICES INC OF WATERS<br/>(CRAWFORD COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| ALPENA   | 0              | 12,728        | 0              |
| ANTRIM   | 8,771          | 1,187         | 0              |
| CHARLEVOIX   | 19,041         | 35,372        | 95             |
| CHEBOYGAN  | 6,985          | 158           | 0              |
| CRAWFORD   | 35,835         | 18,949        | 1,562          |
| EMMET  | 0              | 181           | 470            |
| GRAND TRAVERSE   | 5,740          | 20            | 0              |
| KALKASKA   | 10,060         | 355           | 5              |
| MACKINAC   | 0              | 114           | 0              |
| OGEMAW   | 0              | 0             | 13             |
| OTSEGO   | 64,450         | 5,233         | 2,704          |
| PRESQUE ISLE   | 301            | 110           | 0              |
| ROSCOMMON  | 2,075          | 70            | 366            |
| <b>TOTALS</b>  | <b>153,258</b> | <b>74,477</b> | <b>5,215</b>   |

| <b>CITY OF LIVONIA LANDFILL<br/>(WAYNE COUNTY)</b> |            |              |                |
|--|------------|--------------|----------------|
| <b>ORIGIN</b>                                      | <b>MCW</b> | <b>IW</b>    | <b>C&amp;D</b> |
| WAYNE  | 0          | 2,502        | 0              |
| <b>TOTALS</b>                                      | <b>0</b>   | <b>2,502</b> | <b>0</b>       |

| <b>CITY OF MIDLAND SANITARY LANDFILL<br/>(MIDLAND COUNTY)</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| BAY   | 0              | 10,620         | 0              |
| MIDLAND   | 179,569        | 89,413         | 198,209        |
| SAGINAW   | 0              | 1,170          | 0              |
| <b>TOTALS</b>   | <b>179,569</b> | <b>101,203</b> | <b>198,209</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>CONSUMERS ENERGY DE KARN<br/>(BAY COUNTY)</b> |            |               |                |
|--|------------|---------------|----------------|
| <b>ORIGIN</b>                                    | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| BAY  | 0          | 78,086        | 0              |
| <b>TOTALS</b>                                    | <b>0</b>   | <b>78,086</b> | <b>0</b>       |

| <b>CONSUMERS ENERGY J H CAMPBELL COMPLEX<br/>(OTTAWA COUNTY)</b> |            |                |                |
|--|------------|----------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b> | <b>IW</b>      | <b>C&amp;D</b> |
| OTTAWA   | 0          | 246,130        | 0              |
| <b>TOTALS</b>  | <b>0</b>   | <b>246,130</b> | <b>0</b>       |

| <b>CONSUMERS WEADOCK COMPLEX<br/>(BAY COUNTY)</b> |            |               |                |
|---|------------|---------------|----------------|
| <b>ORIGIN</b>                                     | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| BAY   | 0          | 23,265        | 0              |
| <b>TOTALS</b>                                     | <b>0</b>   | <b>23,265</b> | <b>0</b>       |

| <b>COUNTY OF MUSKEGON - SOLID WASTE LANDFILL<br/>(MUSKEGON COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| LAKE   | 0              | 0             | 2,929          |
| MUSKEGON   | 195,173        | 49,390        | 56,006         |
| NEWAYGO  | 16,723         | 0             | 12,022         |
| OCEANA   | 5,774          | 0             | 2,840          |
| OTTAWA   | 3,182          | 0             | 455            |
| <b>TOTALS</b>  | <b>220,852</b> | <b>49,390</b> | <b>74,252</b>  |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>DAFTER SANITARY LANDFILL<br/>(CHIPPEWA COUNTY)</b> |                |              |                |
|---|----------------|--------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>    | <b>C&amp;D</b> |
| ALGER   | 388            | 0            | 0              |
| CANADA  | 75,984         | 0            | 0              |
| CHIPPEWA  | 26,266         | 1,610        | 0              |
| LUCE  | 7,139          | 0            | 0              |
| MACKINAC  | 19,665         | 902          | 0              |
| <b>TOTALS</b>   | <b>129,442</b> | <b>2,512</b> | <b>0</b>       |

| <b>DELTA COUNTY LANDFILL<br/>(DELTA COUNTY)</b> |               |               |                |
|---|---------------|---------------|----------------|
| <b>ORIGIN</b>                                   | <b>MCW</b>    | <b>IW</b>     | <b>C&amp;D</b> |
| DELTA   | 56,799        | 12,666        | 15,831         |
| MARQUETTE                                       | 0             | 6,573         | 0              |
| MENOMINEE                                       | 3,720         | 11,409        | 0              |
| SCHOOLCRAFT                                     | 162           | 0             | 0              |
| <b>TOTALS</b>                                   | <b>60,681</b> | <b>30,648</b> | <b>15,831</b>  |

| <b>DETROIT EDISON CO RANGE RD ASH DISPOSAL<br/>(ST CLAIR COUNTY)</b> |            |                |                |
|--|------------|----------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b> | <b>IW</b>      | <b>C&amp;D</b> |
| ST CLAIR   | 0          | 245,001        | 0              |
| <b>TOTALS</b>  | <b>0</b>   | <b>245,001</b> | <b>0</b>       |

| <b>DETROIT EDISON CO SIBLEY QUARRY<br/>(WAYNE COUNTY)</b> |            |               |                |
|---|------------|---------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| WAYNE   | 0          | 99,629        | 0              |
| <b>TOTALS</b>   | <b>0</b>   | <b>99,629</b> | <b>0</b>       |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>DTE MONROE POWER PLANT<br/>(MONROE COUNTY)</b> |            |                |                |
|---|------------|----------------|----------------|
| <b>ORIGIN</b>                                     | <b>MCW</b> | <b>IW</b>      | <b>C&amp;D</b> |
| MONROE  | 0          | 296,300        | 0              |
| <b>TOTALS</b>                                     | <b>0</b>   | <b>296,300</b> | <b>0</b>       |

| <b>EAGLE VALLEY RECYCLE &amp; DISPOSAL FACILITY<br/>(OAKLAND COUNTY)</b> |                |                |                |
|--|----------------|----------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| GENESEE  | 0              | 43             | 0              |
| LAPEER   | 4,125          | 0              | 0              |
| LIVINGSTON   | 9              | 1,065          | 0              |
| MACOMB   | 795            | 149,331        | 78             |
| OAKLAND  | 946,455        | 137,067        | 6,984          |
| WAYNE  | 63             | 85,537         | 0              |
| <b>TOTALS</b>  | <b>951,447</b> | <b>373,043</b> | <b>7,062</b>   |

| <b>EDWARD C LEVY CO LANDFILL<br/>(WAYNE COUNTY)</b> |            |              |                |
|---|------------|--------------|----------------|
| <b>ORIGIN</b>                                       | <b>MCW</b> | <b>IW</b>    | <b>C&amp;D</b> |
| WAYNE   | 0          | 5,432        | 0              |
| <b>TOTALS</b>                                       | <b>0</b>   | <b>5,432</b> | <b>0</b>       |



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>ELK RUN LANDFILL<br/>(PRESQUE ISLE COUNTY)</b> |                |               |                |
|---|----------------|---------------|----------------|
| <b>ORIGIN</b>                                     | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| ANTRIM  | 2,255          | 0             | 68             |
| CHARLEVOIX  | 0              | 0             | 2,690          |
| CHEBOYGAN   | 49,296         | 25,229        | 11,045         |
| CHIPPEWA  | 79,320         | 25            | 0              |
| EMMET   | 104,255        | 4,715         | 7,101          |
| MACKINAC  | 858            | 0             | 1,260          |
| PRESQUE ISLE                                      | 12,450         | 255           | 3,852          |
| <b>TOTALS</b>                                     | <b>248,434</b> | <b>30,224</b> | <b>26,016</b>  |

| <b>EVER-GREEN LANDFILL AND RECYCLING CENTER, LLC<br/>(ONTONAGON COUNTY)</b> |            |               |                |
|---|------------|---------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| BARAGA  | 0          | 11,417        | 0              |
| ONTONAGON   | 0          | 56            | 0              |
| <b>TOTALS</b>   | <b>0</b>   | <b>11,473</b> | <b>0</b>       |

| <b>FOREST LAWN LANDFILL INC<br/>(BERRIEN COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| BERRIEN  | 29,742         | 391           | 1,643          |
| CASS   | 0              | 1             | 0              |
| ILLINOIS   | 9,805          | 0             | 0              |
| INDIANA  | 192,194        | 14,837        | 3,316          |
| KALAMAZOO  | 0              | 3             | 0              |
| VAN BUREN  | 0              | 7             | 0              |
| <b>TOTALS</b>  | <b>231,741</b> | <b>15,239</b> | <b>4,959</b>   |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>GLENS SANITARY LANDFILL<br/>(LEELANAU COUNTY)</b> |               |              |                |
|--|---------------|--------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>    | <b>IW</b>    | <b>C&amp;D</b> |
| ANTRIM   | 199           | 80           | 368            |
| BENZIE   | 679           | 123          | 2,254          |
| GRAND TRAVERSE                                       | 52,356        | 4,683        | 5,526          |
| KALKASKA   | 258           | 6            | 176            |
| LEELANAU   | 12,256        | 425          | 6,787          |
| MANISTEE   | 15            | 685          | 13             |
| <b>TOTALS</b>  | <b>65,763</b> | <b>6,002</b> | <b>15,124</b>  |

| <b>GRANGER GRAND RIVER LANDFILL<br/>(CLINTON COUNTY)</b> |              |           |                |
|--|--------------|-----------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>   | <b>IW</b> | <b>C&amp;D</b> |
| ALLEGAN  | 30           | 0         | 0              |
| CALHOUN  | 89           | 0         | 0              |
| CLINTON  | 80           | 0         | 0              |
| EATON  | 829          | 0         | 0              |
| GENESEE  | 1,317        | 0         | 0              |
| GRATIOT  | 25           | 0         | 0              |
| INGHAM   | 3,563        | 0         | 0              |
| IONIA  | 729          | 0         | 0              |
| ISABELLA   | 49           | 0         | 0              |
| JACKSON  | 39           | 0         | 0              |
| KALAMAZOO  | 36           | 0         | 0              |
| LIVINGSTON   | 52           | 0         | 0              |
| OAKLAND  | 93           | 0         | 0              |
| OTTAWA   | 16           | 0         | 0              |
| SAGINAW  | 16           | 0         | 0              |
| SHIAWASSEE   | 651          | 0         | 0              |
| WASHTENAW  | 47           | 0         | 0              |
| WAYNE  | 556          | 0         | 0              |
| <b>TOTALS</b>  | <b>8,217</b> | <b>0</b>  | <b>0</b>       |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>GRANGER WOOD STREET LANDFILL<br/>(CLINTON COUNTY)</b> |                  |           |                |
|--|------------------|-----------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>       | <b>IW</b> | <b>C&amp;D</b> |
| ALLEGAN  | 15               | 0         | 0              |
| BARRY  | 1,319            | 0         | 0              |
| BRANCH   | 3                | 0         | 0              |
| CALHOUN  | 2                | 0         | 0              |
| CLINTON  | 155,918          | 0         | 0              |
| EATON  | 199,626          | 0         | 0              |
| GRATIOT  | 113,946          | 0         | 0              |
| INGHAM   | 870,015          | 0         | 0              |
| IONIA  | 39,612           | 0         | 0              |
| ISABELLA   | 26,088           | 0         | 0              |
| JACKSON  | 130,219          | 0         | 0              |
| KALAMAZOO  | 2                | 0         | 0              |
| LIVINGSTON   | 52,604           | 0         | 0              |
| MONTCALM   | 2,867            | 0         | 0              |
| OAKLAND  | 4                | 0         | 0              |
| SAGINAW  | 1,127            | 0         | 0              |
| SHIAWASSEE   | 22,652           | 0         | 0              |
| WASHTENAW  | 4                | 0         | 0              |
| WAYNE  | 11               | 0         | 0              |
| <b>TOTALS</b>  | <b>1,616,034</b> | <b>0</b>  | <b>0</b>       |

| <b>HAYWIRE LANDFILL<br/>(SCHOOLCRAFT COUNTY)</b> |            |               |                |
|--|------------|---------------|----------------|
| <b>ORIGIN</b>                                    | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| MARQUETTE  | 0          | 3,405         | 0              |
| SCHOOLCRAFT                                      | 0          | 27,974        | 0              |
| <b>TOTALS</b>                                    | <b>0</b>   | <b>31,379</b> | <b>0</b>       |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>HIAWATHA SHORES LANDFILL INC<br/>(SCHOOLCRAFT COUNTY)</b> |               |               |                |
|--|---------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>    | <b>IW</b>     | <b>C&amp;D</b> |
| GOGEBIC  | 18,776        | 0             | 0              |
| SCHOOLCRAFT  | 16,787        | 13,847        | 2,637          |
| <b>TOTALS</b>  | <b>35,563</b> | <b>13,847</b> | <b>2,637</b>   |

| <b>HOLLAND PUBLIC WORKS ZEELAND TOWNSHIP LANDFILL<br/>(OTTAWA COUNTY)</b> |            |               |                |
|---|------------|---------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| OTTAWA  | 0          | 10,524        | 0              |
| <b>TOTALS</b>   | <b>0</b>   | <b>10,524</b> | <b>0</b>       |

| <b>HURON LANDFILL CORP. - DBA HURON LANDFILL<br/>(HURON COUNTY)</b> |                |               |                |
|---|----------------|---------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| HURON   | 73,286         | 31,064        | 9,136          |
| LAPEER  | 5,229          | 0             | 227            |
| SANILAC   | 17,911         | 109           | 1,131          |
| TUSCOLA   | 39,435         | 10,978        | 4,497          |
| <b>TOTALS</b>   | <b>135,861</b> | <b>42,151</b> | <b>14,991</b>  |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>K &amp; W LANDFILL<br/>(ONTONAGON COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>                                    | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| BARAGA   | 17,884         | 5,081         | 0              |
| GOGEBIC  | 196            | 186           | 0              |
| HOUGHTON   | 69,068         | 4,022         | 0              |
| IRON   | 8,335          | 1,128         | 0              |
| KEWEENAW   | 4,418          | 0             | 0              |
| ONTONAGON  | 34,807         | 0             | 0              |
| WISCONSIN  | 65,811         | 62            | 0              |
| <b>TOTALS</b>                                    | <b>200,519</b> | <b>10,479</b> | <b>0</b>       |

| <b>LAFARGE MIDWEST INC<br/>(ALPENA COUNTY)</b> |            |                |                |
|--|------------|----------------|----------------|
| <b>ORIGIN</b>                                  | <b>MCW</b> | <b>IW</b>      | <b>C&amp;D</b> |
| ALPENA   | 0          | 299,251        | 0              |
| <b>TOTALS</b>                                  | <b>0</b>   | <b>299,251</b> | <b>0</b>       |

| <b>LIBERTY ENVIRONMENTALISTS LANDFILL<br/>(JACKSON COUNTY)</b> |            |               |                |
|--|------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| CALHOUN  | 0          | 0             | 2,621          |
| EATON  | 0          | 0             | 958            |
| HILLSDALE  | 0          | 0             | 5,921          |
| INGHAM   | 0          | 0             | 3,379          |
| JACKSON  | 0          | 3,818         | 64,700         |
| LENAWEE  | 0          | 0             | 8,701          |
| OHIO   | 0          | 88,144        | 0              |
| WASHTENAW  | 0          | 0             | 3,583          |
| <b>TOTALS</b>  | <b>0</b>   | <b>91,962</b> | <b>89,863</b>  |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>MANISTEE COUNTY LANDFILL INC<br/>(MANISTEE COUNTY)</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| BENZIE  | 13,744         | 0              | 3,314          |
| GRAND TRAVERSE  | 442            | 0              | 10             |
| LAKE  | 5,931          | 25             | 1,064          |
| LEELANAU  | 18             | 0              | 12             |
| MANISTEE  | 69,362         | 206,520        | 13,147         |
| MASON   | 81,915         | 1,839          | 7,165          |
| WEXFORD   | 10,019         | 1,363          | 0              |
| <b>TOTALS</b>   | <b>181,431</b> | <b>209,747</b> | <b>24,712</b>  |

| <b>MARQUETTE COUNTY LANDFILL<br/>(MARQUETTE COUNTY)</b> |                |           |                |
|---|----------------|-----------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b> | <b>C&amp;D</b> |
| MARQUETTE   | 102,874        | 0         | 85,675         |
| <b>TOTALS</b>   | <b>102,874</b> | <b>0</b>  | <b>85,675</b>  |

| <b>MATLIN ROAD LANDFILL<br/>(MONROE COUNTY)</b> |            |           |                |
|---|------------|-----------|----------------|
| <b>ORIGIN</b>                                   | <b>MCW</b> | <b>IW</b> | <b>C&amp;D</b> |
| MONROE  | 0          | 0         | 1,345          |
| OAKLAND   | 0          | 0         | 366            |
| WASHTENAW                                       | 0          | 0         | 966            |
| WAYNE   | 0          | 0         | 4,579          |
| <b>TOTALS</b>                                   | <b>0</b>   | <b>0</b>  | <b>7,256</b>   |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>MCGILL ROAD LANDFILL<br/>(JACKSON COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>                                    | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| CALHOUN  | 2,093          | 0             | 343            |
| CLINTON  | 29             | 0             | 0              |
| EATON  | 2,784          | 8,680         | 0              |
| HILLSDALE  | 710            | 601           | 0              |
| JACKSON  | 108,570        | 33,101        | 18,317         |
| LENAWEE  | 0              | 60            | 0              |
| WASHTENAW  | 8              | 0             | 151            |
| <b>TOTALS</b>                                    | <b>114,194</b> | <b>42,442</b> | <b>18,811</b>  |

| <b>MICHIGAN ENVIRONS INC<br/>(MENOMINEE COUNTY)</b> |                |               |                |
|---|----------------|---------------|----------------|
| <b>ORIGIN</b>                                       | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| DICKINSON   | 4,574          | 0             | 0              |
| MENOMINEE   | 28,828         | 23,028        | 3,037          |
| WISCONSIN   | 96,368         | 50,386        | 2,633          |
| <b>TOTALS</b>                                       | <b>129,770</b> | <b>73,414</b> | <b>5,670</b>   |

| <b>MONROE INVESTMENTS I LLC<br/>(MONROE COUNTY)</b> |            |               |                |
|---|------------|---------------|----------------|
| <b>ORIGIN</b>                                       | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| MONROE  | 0          | 10,640        | 0              |
| <b>TOTALS</b>                                       | <b>0</b>   | <b>10,640</b> | <b>0</b>       |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>MONTMORENCY-OSCODA-ALPENA SWMA<br/>(MONTMORENCY COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| ALCONA   | 2,178          | 0             | 1,110          |
| ALPENA   | 68,602         | 29,815        | 15,026         |
| ANTRIM   | 9              | 0             | 0              |
| CHEBOYGAN  | 1,431          | 182           | 261            |
| CRAWFORD   | 43             | 0             | 0              |
| IOSCO  | 14,558         | 0             | 522            |
| MONTMORENCY  | 24,602         | 7,256         | 8,092          |
| OGEMAW   | 51             | 0             | 9              |
| OSCODA   | 16,137         | 294           | 4,407          |
| OTSEGO   | 73             | 184           | 498            |
| PRESQUE ISLE   | 191            | 227           | 390            |
| ROSCOMMON  | 2              | 0             | 0              |
| <b>TOTALS</b>  | <b>127,877</b> | <b>37,958</b> | <b>30,315</b>  |

| <b>NIAGARA DEVELOPMENT LLC<br/>(DICKINSON COUNTY)</b> |            |               |                |
|---|------------|---------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| DICKINSON   | 0          | 27,743        | 711            |
| WISCONSIN   | 0          | 0             | 885            |
| <b>TOTALS</b>   | <b>0</b>   | <b>27,743</b> | <b>1,596</b>   |



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>NORTHERN OAKS RECYCLING AND DISPOSAL FACILITY<br/>(CLARE COUNTY)</b> |                |               |                |
|---|----------------|---------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| ALCONA  | 2,897          | 48            | 25             |
| CLARE   | 52,657         | 2,701         | 23,291         |
| GLADWIN   | 13,373         | 51            | 3,466          |
| GRATIOT   | 12,300         | 2,945         | 724            |
| ISABELLA  | 0              | 7,285         | 73,947         |
| KALKASKA  | 0              | 115           | 0              |
| LAKE  | 1,519          | 0             | 135            |
| MASON   | 60,685         | 0             | 0              |
| MECOSTA   | 11,121         | 426           | 2,332          |
| MISSAUKEE   | 6,256          | 565           | 1,259          |
| MONTCALM  | 32             | 20            | 0              |
| OGEMAW  | 0              | 22            | 40             |
| OSCODA  | 0              | 22,110        | 1,599          |
| ROSCOMMON   | 23,043         | 27            | 4,074          |
| WEXFORD   | 4,713          | 110           | 57             |
| <b>TOTALS</b>   | <b>188,596</b> | <b>36,425</b> | <b>110,949</b> |

| <b>OAKLAND HEIGHTS DEVELOPMENT INC<br/>(OAKLAND COUNTY)</b> |                |               |                |
|---|----------------|---------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| LAPEER  | 0              | 4             | 0              |
| MACOMB  | 36,032         | 3,760         | 16,165         |
| OAKLAND   | 389,639        | 19,862        | 196,563        |
| OHIO  | 0              | 16            | 0              |
| <b>TOTALS</b>   | <b>425,671</b> | <b>23,642</b> | <b>212,728</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>ORCHARD HILL SANITARY LANDFILL<br/>(BERRIEN COUNTY)</b> |                |           |                |
|--|----------------|-----------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b> | <b>C&amp;D</b> |
| ALLEGAN  | 3,151          | 0         | 0              |
| BERRIEN  | 166,886        | 0         | 0              |
| BRANCH   | 34             | 0         | 0              |
| CALHOUN  | 15             | 0         | 0              |
| CASS   | 12,935         | 0         | 0              |
| INDIANA  | 80             | 0         | 0              |
| KALAMAZOO  | 317,654        | 0         | 0              |
| ST JOSEPH  | 100            | 0         | 0              |
| VAN BUREN  | 146,155        | 0         | 0              |
| <b>TOTALS</b>  | <b>647,010</b> | <b>0</b>  | <b>0</b>       |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>OTTAWA COUNTY FARMS LANDFILL<br/>(OTTAWA COUNTY)</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| ALLEGAN   | 111,156        | 30,307         | 340            |
| BARRY   | 379            | 1,657          | 14             |
| BERRIEN   | 0              | 7              | 0              |
| BRANCH  | 0              | 4              | 0              |
| CLINTON   | 0              | 10             | 0              |
| EATON   | 0              | 23             | 49             |
| IONIA   | 0              | 1,192          | 862            |
| JACKSON   | 0              | 5              | 0              |
| KALAMAZOO   | 0              | 25             | 242            |
| KENT  | 52,086         | 330,487        | 39,793         |
| MASON   | 13             | 16,400         | 388            |
| MECOSTA   | 19             | 7              | 81             |
| MONTCALM  | 60             | 55             | 13             |
| MUSKEGON  | 186,628        | 128,832        | 14,859         |
| NEWAYGO   | 58             | 2,234          | 427            |
| OCEANA  | 29,626         | 5,089          | 6,512          |
| OSCEOLA   | 20             | 38             | 0              |
| OTTAWA  | 299,469        | 106,595        | 42,884         |
| ST JOSEPH   | 36             | 0              | 11             |
| VAN BUREN   | 57,613         | 2              | 0              |
| <b>TOTALS</b>   | <b>737,163</b> | <b>622,969</b> | <b>106,475</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>PEOPLES LANDFILL INC<br/>(SAGINAW COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>                                    | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| BAY  | 97,172         | 9,871         | 4,919          |
| GENESEE  | 14,503         | 1,946         | 110            |
| GRATIOT  | 5,848          | 60            | 747            |
| SAGINAW  | 320,444        | 55,472        | 23,921         |
| SHIAWASSEE                                       | 54             | 0             | 56             |
| TUSCOLA  | 6,480          | 790           | 1,119          |
| <b>TOTALS</b>                                    | <b>444,501</b> | <b>68,139</b> | <b>30,872</b>  |

| <b>PINE TREE ACRES INC<br/>(MACOMB COUNTY)</b> |                  |                |                |
|--|------------------|----------------|----------------|
| <b>ORIGIN</b>                                  | <b>MCW</b>       | <b>IW</b>      | <b>C&amp;D</b> |
| CANADA   | 3,753,733        | 1,340          | 0              |
| LAPEER   | 4,311            | 30             | 0              |
| MACOMB   | 745,403          | 265,740        | 23,872         |
| OAKLAND  | 3,405            | 12,519         | 1              |
| TUSCOLA  | 0                | 50             | 0              |
| WAYNE  | 252              | 655,831        | 15             |
| <b>TOTALS</b>                                  | <b>4,507,104</b> | <b>935,510</b> | <b>23,888</b>  |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>PITSCH SANITARY LANDFILL<br/>(IONIA COUNTY)</b> |               |            |                |
|--|---------------|------------|----------------|
| <b>ORIGIN</b>                                      | <b>MCW</b>    | <b>IW</b>  | <b>C&amp;D</b> |
| ALLEGAN  | 0             | 0          | 840            |
| BARRY  | 372           | 0          | 1,617          |
| CALHOUN  | 0             | 0          | 84             |
| CLINTON  | 24            | 0          | 246            |
| EATON  | 183           | 0          | 252            |
| INGHAM   | 0             | 0          | 87             |
| IONIA  | 2,631         | 123        | 31,161         |
| ISABELLA   | 435           | 0          | 18             |
| KALAMAZOO  | 0             | 0          | 3              |
| KENT   | 954           | 0          | 217,536        |
| LIVINGSTON   | 0             | 0          | 87             |
| MECOSTA  | 17,925        | 0          | 534            |
| MONTCALM   | 5,712         | 114        | 19,938         |
| MUSKEGON   | 0             | 0          | 1,584          |
| OSCEOLA  | 0             | 0          | 288            |
| OTTAWA   | 0             | 0          | 819            |
| ST JOSEPH  | 0             | 0          | 246            |
| WASHTENAW  | 0             | 0          | 666            |
| <b>TOTALS</b>                                      | <b>28,236</b> | <b>237</b> | <b>276,006</b> |

| <b>RACER SAGINAW NODULAR INDUSTRIAL LAND<br/>(SAGINAW COUNTY)</b> |            |               |                |
|---|------------|---------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| SAGINAW   | 0          | 33,371        | 2,308          |
| <b>TOTALS</b>   | <b>0</b>   | <b>33,371</b> | <b>2,308</b>   |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>RIVERVIEW LAND PRESERVE<br/>(WAYNE COUNTY)</b> |                  |               |                |
|---|------------------|---------------|----------------|
| <b>ORIGIN</b>                                     | <b>MCW</b>       | <b>IW</b>     | <b>C&amp;D</b> |
| CANADA  | 420,899          | 0             | 0              |
| LENAWEE   | 56               | 0             | 0              |
| LIVINGSTON  | 111              | 0             | 0              |
| MACOMB  | 87,433           | 33,001        | 127,310        |
| MONROE  | 330,156          | 1,921         | 6,072          |
| OAKLAND   | 24,333           | 6,780         | 489            |
| WASHTENAW   | 168              | 375           | 36             |
| WAYNE   | 580,083          | 41,445        | 403,661        |
| <b>TOTALS</b>                                     | <b>1,443,239</b> | <b>83,522</b> | <b>537,568</b> |

| <b>SAUK TRAIL HILLS LANDFILL<br/>(WAYNE COUNTY)</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>ORIGIN</b>                                       | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| GENESEE   | 0              | 0              | 7              |
| JACKSON   | 0              | 20             | 0              |
| LENAWEE   | 0              | 0              | 1              |
| LIVINGSTON  | 169            | 570            | 186            |
| MACOMB  | 0              | 150,625        | 550            |
| MONROE  | 24             | 12,249         | 2,007          |
| OAKLAND   | 239            | 23,773         | 848            |
| OHIO  | 0              | 488            | 0              |
| ST CLAIR  | 0              | 0              | 8              |
| WASHTENAW   | 33,108         | 13,555         | 24,820         |
| WAYNE   | 751,139        | 239,487        | 137,809        |
| <b>TOTALS</b>                                       | <b>784,679</b> | <b>440,767</b> | <b>166,236</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>SC HOLDINGS, INC.<br/>(BARRY COUNTY)</b> |                |               |                |
|---|----------------|---------------|----------------|
| <b>ORIGIN</b>                               | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| ALLEGAN                                     | 2,656          | 340           | 701            |
| BARRY                                       | 52,813         | 4,162         | 2,195          |
| CALHOUN                                     | 30             | 585           | 0              |
| CLINTON                                     | 2,357          | 14            | 0              |
| EATON                                       | 15,841         | 89            | 0              |
| INGHAM                                      | 56             | 83            | 0              |
| IONIA                                       | 31,328         | 2,908         | 215            |
| KALAMAZOO                                   | 216            | 0             | 31             |
| KENT  | 12,779         | 5,774         | 18             |
| MONTANA                                     | 11             | 0             | 0              |
| <b>TOTALS</b>                               | <b>118,087</b> | <b>13,955</b> | <b>3,160</b>   |

| <b>SMITHS CREEK LANDFILL<br/>(ST CLAIR COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>                                      | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| CANADA   | 438,058        | 0             | 1,205          |
| ST CLAIR   | 479,043        | 75,245        | 117,014        |
| <b>TOTALS</b>                                      | <b>917,101</b> | <b>75,245</b> | <b>118,219</b> |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>SOUTH KENT LANDFILL<br/>(KENT COUNTY)</b> |                  |           |                |
|--|------------------|-----------|----------------|
| <b>ORIGIN</b>                                | <b>MCW</b>       | <b>IW</b> | <b>C&amp;D</b> |
| ALLEGAN                                      | 87,382           | 0         | 0              |
| BARRY  | 19,768           | 0         | 0              |
| CALHOUN                                      | 54               | 0         | 0              |
| CLINTON                                      | 19               | 0         | 0              |
| EATON  | 831              | 0         | 0              |
| GRATIOT                                      | 25               | 0         | 0              |
| IONIA  | 781              | 0         | 0              |
| KALAMAZOO                                    | 1,875            | 0         | 0              |
| KENT   | 900,785          | 0         | 0              |
| MECOSTA                                      | 110              | 0         | 0              |
| MONTCALM                                     | 50               | 0         | 0              |
| NEWAYGO                                      | 48               | 0         | 0              |
| OTTAWA                                       | 47,667           | 0         | 0              |
| <b>TOTALS</b>                                | <b>1,059,395</b> | <b>0</b>  | <b>0</b>       |

| <b>SOUTHEAST BERRIEN COUNTY LANDFILL<br/>(BERRIEN COUNTY)</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| BERRIEN   | 586,038        | 36,915         | 11,474         |
| CASS  | 49,220         | 48,255         | 15,780         |
| ILLINOIS  | 20,340         | 578            | 0              |
| INDIANA   | 198,634        | 27,642         | 46,448         |
| <b>TOTALS</b>   | <b>854,232</b> | <b>113,390</b> | <b>73,702</b>  |

| <b>SPARTA FOUNDRY WASTE FACILITY<br/>(KENT COUNTY)</b> |            |              |                |
|--|------------|--------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b> | <b>IW</b>    | <b>C&amp;D</b> |
| KENT   | 0          | 3,252        | 0              |
| <b>TOTALS</b>  | <b>0</b>   | <b>3,252</b> | <b>0</b>       |



APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>ST MARYS CEMENT INC<br/>(CHARLEVOIX COUNTY)</b> |            |               |                |
|--|------------|---------------|----------------|
| <b>ORIGIN</b>                                      | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| CHARLEVOIX   | 0          | 54,684        | 0              |
| <b>TOTALS</b>                                      | <b>0</b>   | <b>54,684</b> | <b>0</b>       |

| <b>TRI-CITY RECYCLING AND DISPOSAL FACILITY<br/>(SANILAC COUNTY)</b> |               |               |                |
|--|---------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>    | <b>IW</b>     | <b>C&amp;D</b> |
| HURON  | 14,638        | 12,033        | 77             |
| LAPEER   | 10,862        | 270           | 14             |
| MACOMB   | 30            | 0             | 0              |
| SANILAC  | 58,228        | 7,387         | 4,258          |
| TUSCOLA  | 9,269         | 1,050         | 37             |
| <b>TOTALS</b>  | <b>93,027</b> | <b>20,740</b> | <b>4,386</b>   |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>VENICE PARK RECYCLING &amp; DISPOSAL FACIL<br/>(SHIAWASSEE COUNTY)</b> |                |                |                |
|---|----------------|----------------|----------------|
| <b>ORIGIN</b>   | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| CLINTON   | 9,067          | 6,800          | 7              |
| EATON   | 513            | 2,835          | 0              |
| GENESEE   | 195,072        | 51,433         | 1,326          |
| GRATIOT   | 1,520          | 885            | 0              |
| INGHAM  | 50,045         | 28,354         | 4              |
| IONIA   | 10             | 180            | 0              |
| LAPEER  | 9,383          | 1,585          | 0              |
| LIVINGSTON  | 101,622        | 5,325          | 0              |
| MACOMB  | 0              | 47             | 0              |
| MONTCALM  | 3,570          | 0              | 0              |
| OAKLAND   | 2,473          | 42,490         | 0              |
| SAGINAW   | 2,657          | 330            | 4              |
| SHIAWASSEE  | 63,360         | 53,996         | 4,097          |
| WASHTENAW   | 0              | 5              | 0              |
| WAYNE   | 35             | 44,790         | 0              |
| <b>TOTALS</b>   | <b>439,327</b> | <b>239,055</b> | <b>5,438</b>   |

| <b>VERSO ESCANABA LLC<br/>(DELTA COUNTY)</b> |            |               |                |
|--|------------|---------------|----------------|
| <b>ORIGIN</b>                                | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| DELTA  | 0          | 30,885        | 0              |
| <b>TOTALS</b>                                | <b>0</b>   | <b>30,885</b> | <b>0</b>       |

| <b>VERSO QUINNESEC LLC.<br/>(DICKINSON COUNTY)</b> |            |                |                |
|--|------------|----------------|----------------|
| <b>ORIGIN</b>                                      | <b>MCW</b> | <b>IW</b>      | <b>C&amp;D</b> |
| DICKINSON  | 0          | 110,231        | 0              |
| <b>TOTALS</b>                                      | <b>0</b>   | <b>110,231</b> | <b>0</b>       |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>VIENNA JUNCTION INDUSTRIAL PARK SANITARY LANDFILL<br/>(MONROE COUNTY)</b> |                |                |                |
|--|----------------|----------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| INDIANA  | 0              | 626            | 0              |
| MONROE   | 58,696         | 49,159         | 160            |
| OHIO   | 500,807        | 549,105        | 6,465          |
| WAYNE  | 20             | 29,044         | 0              |
| <b>TOTALS</b>  | <b>559,523</b> | <b>627,934</b> | <b>6,625</b>   |

| <b>WE ENERGIES PRESQUE ISLE POWER PLANT<br/>(MARQUETTE COUNTY)</b> |            |               |                |
|--|------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b> | <b>IW</b>     | <b>C&amp;D</b> |
| MARQUETTE  | 0          | 10,296        | 0              |
| <b>TOTALS</b>  | <b>0</b>   | <b>10,296</b> | <b>0</b>       |

| <b>WESTSIDE RECYCLING &amp; DISPOSAL FACILITY<br/>(ST JOSEPH COUNTY)</b> |                |                |                |
|--|----------------|----------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>      | <b>C&amp;D</b> |
| ALLEGAN  | 204            | 1,762          | 0              |
| BARRY  | 0              | 630            | 0              |
| BERRIEN  | 0              | 2,879          | 0              |
| BRANCH   | 16,478         | 2,233          | 43             |
| CALHOUN  | 101,622        | 26,325         | 0              |
| CASS   | 18,880         | 5,394          | 314            |
| GENESEE  | 0              | 500            | 0              |
| HILLSDALE  | 0              | 106            | 0              |
| INDIANA  | 93,747         | 10,073         | 1,429          |
| KALAMAZOO  | 152,209        | 232,102        | 1,296          |
| ST JOSEPH  | 120,163        | 131,735        | 2,915          |
| VAN BUREN  | 12,260         | 1,769          | 0              |
| <b>TOTALS</b>  | <b>515,563</b> | <b>415,508</b> | <b>5,997</b>   |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>WEXFORD COUNTY LANDFILL, LLC<br/>(WEXFORD COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| ALCONA   | 0              | 4,867         | 0              |
| ANTRIM   | 16             | 229           | 249            |
| BENZIE   | 6,491          | 608           | 2,022          |
| CANADA   | 103            | 0             | 0              |
| CHARLEVOIX   | 66,797         | 18            | 583            |
| CLARE  | 1,282          | 397           | 71             |
| CRAWFORD   | 0              | 25            | 12             |
| EMMET  | 0              | 0             | 32             |
| GRAND TRAVERSE   | 309,093        | 1,987         | 2,594          |
| ILLINOIS   | 0              | 0             | 39             |
| INDIANA  | 0              | 0             | 11             |
| IOWA   | 0              | 0             | 19             |
| KALKASKA   | 82,307         | 17,547        | 1,134          |
| KANSAS   | 0              | 0             | 20             |
| LAKE   | 7              | 0             | 230            |
| MANISTEE   | 0              | 483           | 2,357          |
| MASON  | 0              | 10            | 16             |
| MINNESOTA  | 0              | 0             | 10             |
| MISSAUKEE  | 30,605         | 7,429         | 7,132          |
| MISSOURI   | 0              | 0             | 4              |
| OHIO   | 0              | 0             | 3              |
| OSCEOLA  | 1,783          | 77            | 1,994          |
| OTSEGO   | 296            | 5,517         | 3              |
| TENNESSEE  | 0              | 0             | 14             |
| WEXFORD  | 54,478         | 22,146        | 29,329         |
| WISCONSIN  | 0              | 0             | 21             |
| <b>TOTALS</b>  | <b>553,258</b> | <b>61,340</b> | <b>47,899</b>  |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>WHITEFEATHER LANDFILL<br/>(BAY COUNTY)</b> |                |               |                |
|---|----------------|---------------|----------------|
| <b>ORIGIN</b>                                 | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| ANTRIM  | 144            | 0             | 0              |
| ARENAC  | 24,352         | 3,404         | 3,292          |
| BAY   | 145,785        | 66,419        | 37,318         |
| CLARE   | 9,056          | 396           | 316            |
| GENESEE                                       | 45             | 0             | 0              |
| GLADWIN                                       | 43,173         | 5,204         | 4,520          |
| GRAND TRAVERSE                                | 122            | 120           | 42             |
| GRATIOT                                       | 47             | 0             | 0              |
| IOSCO   | 49,762         | 2,012         | 13,311         |
| ISABELLA                                      | 3,796          | 2,487         | 1,660          |
| KALKASKA                                      | 28             | 70            | 10             |
| MIDLAND                                       | 56             | 720           | 0              |
| OGEMAW  | 22,396         | 779           | 10,495         |
| ROSCOMMON                                     | 40,803         | 30            | 2,071          |
| SAGINAW                                       | 31,198         | 5,220         | 4,294          |
| TUSCOLA                                       | 25             | 1,007         | 107            |
| <b>TOTALS</b>                                 | <b>370,788</b> | <b>87,868</b> | <b>77,436</b>  |

| <b>WOOD ISLAND WASTE MANAGEMENT INC<br/>(ALGER COUNTY)</b> |                |               |                |
|--|----------------|---------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>     | <b>IW</b>     | <b>C&amp;D</b> |
| ALGER  | 17,622         | 15,164        | 0              |
| CHIPPEWA   | 1,081          | 0             | 0              |
| DELTA  | 807            | 0             | 0              |
| DICKINSON  | 96,916         | 9,000         | 0              |
| HOUGHTON   | 791            | 0             | 0              |
| LUCE   | 326            | 0             | 0              |
| ONTONAGON  | 135            | 0             | 0              |
| SCHOOLCRAFT  | 4,205          | 0             | 0              |
| WISCONSIN  | 2,574          | 0             | 0              |
| <b>TOTALS</b>  | <b>124,457</b> | <b>24,164</b> | <b>0</b>       |

APPENDIX B  
**LANDFILL DISPOSAL BY WASTE ORIGIN AND TYPE – FY 2017**  
 (All Values are in Cubic Yards)

| <b>WOODLAND MEADOWS RDF-VAN BUREN<br/>(WAYNE COUNTY)</b> |                  |                  |                |
|--|------------------|------------------|----------------|
| <b>ORIGIN</b>  | <b>MCW</b>       | <b>IW</b>        | <b>C&amp;D</b> |
| CANADA   | 0                | 6,610            | 0              |
| JACKSON  | 176              | 5,130            | 0              |
| LENAWEE  | 82,035           | 608              | 0              |
| LIVINGSTON   | 37,279           | 10,832           | 0              |
| MACOMB   | 2,235            | 8,141            | 0              |
| MONROE   | 174,926          | 21,266           | 202            |
| OAKLAND  | 407,462          | 66,742           | 2,797          |
| OHIO   | 0                | 14,738           | 0              |
| WASHTENAW  | 335,339          | 94,089           | 5,179          |
| WAYNE  | 1,201,438        | 1,315,718        | 13,413         |
| <b>TOTALS</b>  | <b>2,240,890</b> | <b>1,543,874</b> | <b>21,591</b>  |