

III. Inventories [ORC Section 3734.53(A)(1)-(4)]

This section contains information for all existing solid waste disposal, recycling, and transfer facilities, where applicable, which were used by the Mercer County Solid Waste Management District.

A. The Reference Year

The reference year for this Plan update is hereby established as 1995. The planning period will be from 1997 to 2007.

B. Existing Solid Waste Landfills

The District has one in-District landfill owned and run by Allied Waste Systems, Inc. within the boundaries of the District at this time. The solid waste services of Laidlaw Waste Systems were recently sold to Allied Waste Systems, including the Celina Landfill and the Cherokee Run Landfill (Logan County). In 1994 the Celina Landfill ceased accepting waste due to lack available airspace. Airspace at the landfill was restored in late 1995, and the landfill is again accepting District waste.

The facility is known as the Celina Landfill (OEPA ID# 54-00-01). The Celina Landfill is a publicly available which accepts residential, commercial, and non-hazardous industrial waste from solid waste haulers, businesses, industries, and the general public.

Out-of-District facilities used by the Mercer County Generators include:

Cherokee Run Landfill (OEPA ID# 46-00-01) – Logan County Ohio

City of St. Mary's Landfill (OEPA ID# 06-00-01 – Auglaize County, Ohio

American Landfill (OEPA ID# 76-00-08) – Stark County, Ohio

Amounts taken in by these landfills from the District are in Table III-1. All information came from an annual study undertaken by Waste Alternatives, Inc and the *1996 Ohio Solid Waste Facility Date Report: Using 1995 Data*.

Table III-1. Landfills Used by the District

| Facility Name ¹ | Type of Landfill ² | Location | | Waste Received from the SWMD (TPY) | | | Total Waste Received (TPY) | Remaining Capacity: | | | |
|-------------------------------------|-------------------------------|----------|-------|--------------------------------------|------------|--------|----------------------------|---------------------|--------------------------|-----------------------|-----|
| | | County | State | Residential/ Commercial ³ | Industrial | Exempt | | Years | Data Source ⁴ | Airspace ⁵ | |
| | | | | | | | | | | Gross (CY) | Net |
| In-district | | | | | | | | | | | |
| Laidlaw Waste Systems (Celina) Inc. | PA | Mercer | OH | 18,149.00 | 134.00 | 15.01 | 18,298.01 | 2 | See 4 | 1,379,344 | |
| Out-of-District | | | | | | | | | | | |
| AWS American Landfill | PA | Stark | OH | 3.90 | 0.00 | 0.00 | 3.90 | 3.2 | See 4 | 3,875,889 | |
| Cherokee Run LF | PA | Logan | OH | 1.38 | 0.00 | 0.00 | 1.38 | 4 | See 4 | 7,590,001 | |
| City of St. Mary's LF | GO | Auglaize | OH | 58.64 | 0.00 | 0.00 | 58.64 | NA | NA | NA | |
| Out-of-State | | | | | | | | | | | |
| Jay County Landfill | PA | Jay | IN | 4,733.00 | 0.00 | 0.00 | 4,733.00 | Unk | Ohio EPA | Unk | |
| Totals | - | - | - | 22,945.92 | 134.00 | 15.01 | 23,094.93 | NA | NA | NA | |

- 1 Facility name is entered as it appears on daily logs or Ohio EPA's list of "Licensed Solid Waste Facilities in Ohio."
- 2 "PA" = publicly-available; "C" = captive; "GO" for government-owned; "PO" = privately-owned; "PD" = in-district facilities w/ public debt.
- 3 "Residential/Commercial" includes asbestos and general solid waste. "Industrial Waste" means any non-hazardous residue resulting from an industrial or manufacturing process "Exempt Waste" means materials such as construction and demolition debris and non-toxic foundry sand.
- 4 Data Source: 1996 Ohio Solid Waste Facility Data Report.
- 5 Gross Airspace numbers were taken from the 1995 Ohio Solid Waste Facility Date Report.

C. Existing Incinerators and Resource Recovery Facilities

There are no incinerators or resource recovery facilities operating in the District at this time.

Table III-2. Solid Waste Incinerators and Waste-to-Energy Facilities Used by the District

| Facility Name | Type of Facility ¹ | Location | | Waste Received from the SWMD (TPY) | | | Total Waste Received and Recycled (TPY) ³ | Total Ash Produced (TPY) ⁴ |
|------------------------------|-------------------------------|----------|-------|-------------------------------------|------------|--------|--|---------------------------------------|
| | | County | State | Residential/Commercial ² | Industrial | Exempt | | |
| In-District | | | | | | | | |
| Cooper Foods | C | Mercer | OH | 0 | UNK | UNK | UNK | UNK |
| Ft. Recovery Equity Exchange | C | Mercer | OH | 0 | UNK | UNK | UNK | UNK |
| Out-of-District | | | | | | | | |
| National ServAll | PA (C&D) | Allen | OH | 0 | UNK | 28 | 28 | 0 |
| Out-of-State | | | | | | | | |
| None | | | | | | | | |
| Totals | | | | | UNK | UNK | UNK | UNK |

- 1 "PA" = publicly available; "C" = captive; "WTE" = a waste-to-energy facility; "PD" = in-district facilities with outstanding public debt.
- 2 "Residential/Commercial" waste includes both asbestos and general solid waste.
- 3 "Total Waste Received" refers to all the waste received at the facility, regardless of origin. Enter the amount of "bypass waste".
- 4 Include the tons of additives (lime, sand, chemicals, etc.) mixed with the ash prior to disposal at a landfill. If the facility fails to provide the amount of ash produced, convert "Total Waste Received" (TWR) to "Total Ash Produced" by multiplying TWR by 0.32 to determine the tons of ash.
- 5 **The Coldwater Community Hospital used to operate an incinerator of its medical waste only, but it is unknown if they continue that practice. The WMI Medical incinerator has in the past reported taking District waste, but no volumes were reported being taken or being accepted at the facility (according to the Facility Data Report).**

Sample Calculation:

Assumptions:

Source of Information: *1996 Ohio Solid Waste Facility Report (1995 Data)*.

D. Existing Transfer Facilities

All existing transfer facilities used by the District are in Table III-3.

**Table III-3. Solid Waste Transfer Facilities
Used by the District**

| Facility Name | Type of Facility ¹ | Location | | Waste Received from the SWMD (TPY) | | | | Total Waste Received (TPY) ³ | Total Recyclables-Received and Recovered (TPY) ³ |
|---|-------------------------------|----------|-------|-------------------------------------|------------|--------|-----------------------|---|---|
| | | County | State | Residential/Commercial ² | Industrial | Exempt | Recovered Recyclables | | |
| Greenville Recycling and Transfer Station | PA | Darke | OH | 466.16 | 49.62 | 24.43 | 0.00 | 55,242 | 2,299 |
| Van Wert County Refuse Transfer Station | PD | Van Wert | OH | 16.44 | 0.00 | 0.00 | 0.00 | 14,662 | UNK |
| Shawnee Transfer Station | PA | Allen | OH | 2.88 | 0.00 | 0.00 | 0.00 | 77,387 | UNK |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Totals | | | | 485.48 | 49.62 | 24.43 | 0 | 147,291 | UNK |

1 "PA" = publicly available; "PUO" = private use only; "PD" = in-district facilities with outstanding public debt.

2 "Residential/Commercial" includes both asbestos and general solid waste.

3 "Total Waste Received" and "Total Recyclables Received and Recovered" (in the adjacent column) refer to all the material received at the facility, regardless of origin. Data was taken from the

- 4 *1996 Ohio Solid Waste Facility Data Report: Prepared in 1996 Using 1995 Data.*
The Greenville Transfer Station was the only facility that responded to the District's requests for information. The remaining data was taken from a report done by Waste Alternatives for members of OSWDO.

E. Existing Recycling Activities

Information required on existing recycling activities is in Table III-4.

The District was unexpectedly struck with a lack of funding when the only landfill in the District unexpectedly closed. All District-funded activity halted as funding disappeared. The District's Board of Directors borrowed funds from the County's General Fund to continue the necessary assistance to prevent closure of the local non-profit recyclers. Education was discontinued. The District office was closed. However, the residential sector of the District had "pay-as-you-throw" bag programs available (both subscription and non-subscription) which did not require District funding to continue collecting and transporting recyclables.

When the landfill reopened, revenues were restored and the District reconstituted the Solid Waste District office in late 1995.

The entire residential portion of the District is on a "pay-as-you-throw bag program. Residents can dispose of their recyclables through their hauler for a small transportation fee. For those who choose not to use a subscription service, there were private buyback recycling operations that accept recyclables from District residents. Ohio Recyclers (**OR**), operated by a for-profit organization, has accepted materials from District residence without fees.

The materials accepted through the curbside service and at Ohio Recycling are: Paper (bond, cardboard newsprint); glass (two colors and clear); aluminum (UBC); Plastics (PET and HDPE).

Industrial and commercial generators contract for their own recyclables collection. Industrial information is reflected in the industrial survey portion of this Plan. The commercial portion is estimated and reflected in the residential calculations.

1. Residential Recycling - Existing Programs.

Recycling is available throughout Mercer County. There is a universally available residential recycling program in the "pay-as-you-throw" program. This program is self-sustaining, so no funding from the District is necessary. Ohio Recycling accepts drop-off donations at no charge to District residents. Ohio Recycling offers "buy-back" services, primarily for metals. The District has continued to provide nominal grant subsidies to recyclers who accept district-targeted materials. Over the years, the District has subsidized Mercer County Recycling (MCR) which is now defunct, Maharg Trash Service, and Ohio Recycling. At the time of this Plan submittal, the District is subsidizing Ohio Recyclers only.

All educational activities, which were mainly aimed at school-age children, were suspended due to lack of funding. They have been resumed pending re-evaluation by the Policy Committee.

2. Industrial Recycling - Existing Activities.

Contrary to state-level lobbyists, industry is generally supportive of solid waste district's focus on residential and commercial programming, particularly as it relates to any overall improvement in base loading of pollutants into the local environment.

The District currently does not sponsor or fund any direct industrial recycling activities. Economics have motivated industry to reduce their waste. By controlling the amount of waste that they generate and dispose of from their manufacturing process, they can control their costs.

Table III-4. Recycling Facilities and Activities Used by the District

| Facility/Activity Name (e.g. ABC Buy back, Any town Curbside Recycling, etc.) | Type of Facility or Activity ¹ | # of HHs Served (if applicable) | Types of Materials Accepted ² | Location | | Recyclables Processed from the SWMD (TPY) | Total Recyclables Processed (TPY) ³ | % from Residential/ Commercial Sector | Processing Capacity (tons) | |
|--|---|---------------------------------|--|----------|-------|---|--|---------------------------------------|----------------------------|--------|
| | | | | County | State | | | | Daily | Annual |
| Mercer County Recycling Inc. | PA | | Plastics #2, #4, #5, aluminum, white goods, glass (brn, grn, clr), OCC, Tin, Bi-metal cans, steel cans, polystyrene, Styrofoam, paper, magazines | Mercer | Ohio | 1,068.03 | 1,068.11 | 90.00% | UNK | UNK |
| OmniSource - St. Mary's Division | PA | N/A | Aluminum (any form), bi-metal cans, brass, copper (1,2, sheet), Iron, Motors cast, radiators, steel cans, stainless steel, Diecast | Auglaize | Ohio | 15,467.00 | 42,000.00 | 6.75% | UNK | UNK |
| Urban Elsass & Sons, Inc. | PA | N/A | Aluminum, Bi-metal cans, Brass, Copper (all), Iron, motors cast & unclean, radiators, steel cans, stainless steel, diecast | Miami | Ohio | 800.00 | 14,000.00 | 100% | UNK | UNK |
| Haljoro Dairy | N/A | N/A | Shredded Newsprint for animal bedding | Mercer | Ohio | 30.00 | 30.00 | 0% | UNK | UNK |

| Facility/Activity Name (e.g. ABC Buy back, Any town Curbside Recycling, etc.) | Type of Facility or Activity ¹ | # of HHs Served (if applicable) | Types of Materials Accepted ² | Location | | Recyclables Processed from the SWMD (TPY) | Total Recyclables Processed (TPY) ³ | % from Residential/Commercial Sector | Processing Capacity (tons) | |
|--|---|---------------------------------|--|----------|-------|---|--|--------------------------------------|----------------------------|--------|
| | | | | County | State | | | | Daily | Annual |
| Klenke's Trash Service ⁴ | N/A | N/A | Cardboard ⁴ | Mercer | Ohio | 1.40 | 1.40 | 0% | UNK | UNK |
| Ohio Recycling | N/A | N/A | Aluminum, Bi-metal cans, brass, copper, OCC, paper, ONP, glass, ferrous, lead, lead-acid batteries, steel | Mercer | Ohio | 3,435.00 | 3,545.00 | | UNK | UNK |
| Maharg's Trash Service | N/A | UNK | Paper, glass, OCC, ONP, AL cans & foil, tin cans, steel cans, plastics, wood, misc. Metals, white goods, concrete and blacktop | Mercer | Ohio | 2,788.00 | 2,788.00 | 21% | UNK | UNK |
| | | | | | | 23,589.43 | 63,432.51 | | | |

- 1 Facility: "PA" = publicly-available; "PUO" = private use only; "I" = industrial. Activity: "CS" = curbside recycling program; "DO" = drop-off facility; "BB" = buy-back recycling center; "BR" = recycling broker; "SY" = scrap yard.
- 2 If available, enter a separate line of information for each material accepted and processed by the facility/activity.
- 3 The values in this column include all materials received or recovered by this facility or activity, regardless of origin. Doubling-counting of materials is addressed in this table.
- 4 Klenke's Trash service did not provide numbers except for cardboard which are included in the table above. All other recyclables were taken to the Mercer County Recycling Center, and are therefore included in those totals. Their cardboard is taken to the Chickasaw Recycling Center.
- 5 The recyclers were unable or unwilling to provide the District with processing capacity information.

Sample Calculation:

Assumptions:

Source(s) of information:

During the inventorying process for this Plan amendment, significant industrial waste generation was estimated which had not previously been identified. Included

in this previously unknown waste generation was a large amount of metal waste produced in SIC categories 34 and 37. Most of the metal waste has been recycled in recycling programs started –up after 1985. Therefore, current and projected industrial waste generation (and, as a result, recycling) is shown to be higher than the original Plan and subsequent Annual District Reports.

F. Existing Composting/Yard Waste Management Facilities

All the information available to the District on existing composting facilities is in Tables III-5.

Table III-5. Composting/Yard Waste Management Facilities Used by the District

| Facility Name or Activity (e.g. XYZ Composting, Land Application, etc.) | Facility Type ¹ | Location | | Waste Received from the SWMD (TPY) ² | | Total Waste Received (TPY) ³ | Processing Capacity (tons) | | Non-compostables landfilled (TPY) | Compost Produced (TPY) |
|--|----------------------------|----------|---------------------------------|---|----------|---|----------------------------|--------|-----------------------------------|------------------------|
| | | County | Address City ST Zip Phone | Type | Amount | | Daily | Annual | | |
| City of Celina Compost ⁴ | PUO Class IV | Mercer | 450 Summit St. | Yard Waste | 1,170.00 | Unknown | Unk | Unk | 0 | Unknown |
| | | | Celina, OH 45822 | | | | | | | |
| | | | 419-586-6464 | | | | | | | |
| Mercer Composting Inc. ⁵ (non-operational) | PA Class IV | Mercer | PO Box 36, US 127 | Yard Waste | NA | NA | NA | NA | NA | NA |
| | | | Maria Stein, OH 45860 | | | | | | | |
| | | | 317-462-1423 | | | | | | | |
| Totals | | | | | | | | | | |

1 "PA" = publicly-available, "PUO" = private use only, "DO" = drop-off facility; and "PD" = in-district facilities with outstanding public debt.
 2 The types of materials composted, such as tree trimmings, grass clippings and leaves should be entered as "yard waste". All other solid waste may be entered as "other".
 3 The values in this column should include all materials received by this facility or activity, regardless of origin.
 4 The City of Celina Compost facility does not keep records sufficiently detailed to estimate how much yard waste they received in 1995 or how much compost they produced in 1995. It is believed to be approximately 25% of the estimated generation as shown in Table IV-7.
 5 Mercer Composting Inc. did not respond to the District’s request for information, despite several attempts to contact them. The information in the table is all that is known . The facility is no longer operating.

Source(s) of information: Ohio EPA DSIWM list of Registered Class II/III/IV Composting Facilities.

Table III-6. Facilities Used by the District Which Are Located Outside Ohio: Additional Data

| Facility Name/ Type of Facility (e.g. landfill, transfer station, etc.) | Facility Mailing Address Name Address City ST Zip Phone | Facility Owner Name Address City ST Zip Phone | Facility Operator/Manager Name Address City ST Zip Phone | Daily Waste Receipt Limit, if known (TPD) ¹ | Number of Days Facility is Open During Year, if known ² |
|--|---|---|--|---|---|
| Jay County Landfill (468 tons in 1995) | PO Box 1264 Portland, IN 47371 | USA Waste PO Box 1264 Portland, IN 47371 | Leon Leash PO Box 1264 Portland, IN 47371 | | |

- 1 If the facility is regulated by a limit other than a daily limit, please describe the alternative mechanism and provide its current limit.
- 2 Eight hours should be regarded as one day when determining this value. If the facility is open less than eight hours on a given day, add that amount as a fraction of eight hours in determining the total days open.
- 3 It is suspected by the District that much more of Mercer County's waste is being taken to landfills just across the border in Indiana than what is reported here. However, un able to quantify how much.

G. Existing Open Dumps and Waste Tire Dumps

According to Mr. Chad Willrath with the Mercer County - Celina Health Department, the District does not have any existing open dumps that the Health Department is aware of at this time. According to Mr. Willrath, all open dumps previously identified in the approved Plan have been closed. However, the Ohio EPA, Northwest District Office reports records of one open dump, which is described below.

Table III-7. Open Dumps and Waste Tire Dumps Located in the District

| Site Location (Provide brief description) | Latitude (degrees, minutes, seconds) | Longitude (degrees, minutes, seconds) | Land Owner Mailing Address Name Address City ST Zip Phone | Description of Materials dumped at site | Approximate Size of Site (in acres) | Time Period Site Has Existed |
|---|---|--|---|---|---|---------------------------------|
| Along an abandoned railroad track in Section 14 of Hopewell Township | | | Ron Piper 512 Cron Street Celina, Ohio 45822 | Scrap metal; Construction & Demolition debris; Old Tires | | |

- 1 According to the Mercer County Board of Health (via March, 1996 communication), there are no known open dumps currently existing in the District. All open dumps identified in the old plan have been remediated.

H. Ash, Foundry Sand, and Slag Disposal Sites

The District is not aware of any disposal sites specifically dedicated to the disposal of Ash, Foundry Sand and/or Slag within the boundaries of the District.

Table III-8. Ash, Foundry Sand, and Slag Disposal Sites Used by the District

| Site Location (Provide brief description) | Land Owner Mailing Address Name Address City ST Zip Phone | Description of Materials dumped at site | Approximate Size of Site (in acres) | Time Period Site Has Existed |
|--|---|---|---|---------------------------------|
| NONE | | | | |

1 To the best of the District’s knowledge, there are no fly ash, foundry sand, or slag incinerators which would produce that sort of exempt waste in the District, nor any other operation that would require exempt disposal.

I. Map of Facilities and Sites

In Appendix E, a map for each county within the district is enclosed. The map shows the location of each facility and disposal site listed in III.B through III.H with the symbols listed below.

| Symbols | Description | Symbols | Description |
|---------|-----------------------------|---------|--------------------------|
| L | publicly-available landfill | E | waste-to-energy facility |
| S | slag disposal site | I | incinerator |
| A | ash disposal site | CL | captive landfill |
| CI | captive incinerator | R | recycling activity |
| FS | foundry sand disposal site | T | transfer facility |
| X | composting facility | WT | waste tire dump site |
| O | open dump site | | |

J. Existing Collection Systems - Haulers

Below are listed all of the known solid waste haulers operating in the District. Only two of the seven known haulers responded to the survey. The information from the Board of Health on non-respondents was included in Table III-9.

Table III-9. Solid Waste Haulers Operating in the District

| Name of Hauling Company | Mailing Address: Street City ST Zip Phone | Description of Collection Routes (Include townships, cities, villages in the district where waste is collected.) | Type of Materials Collected ¹ | Tons Collected from the District (TPY) | Name of Facilities Used by Haulers ² |
|--------------------------------------|--|---|--|--|---|
| Laidlaw Waste Systems (aka AWIN Mgt) | 6141 Depweg Road Celina, OH 45822 419-925-4592 | Residential, Commercial, and Industrial MSW, recycling (incl. curbside), bulk item pickup and yard waste | Yard Wastes, curbside recycling, industrial and commercial recyclables | 18,298.99 | Allied's Celina Landfill |
| Klenke's Trash Service | 4871 Wabash Road Coldwater, Ohio 45828 419-942-1654 | Residential, Commercial, and Industrial MSW, recycling (incl. curbside), bulk item pickup | curbside recycling, industrial and commercial recyclables | 2,652.00 | Celina Landfill, Jay County Landfill |
| Rumpke Waste | 5474 Jaysville-St. Johns Rd. Greenville, Ohio 45331 513-548-1939 | Unknown - did not respond to survey | Assumed MSW, recyclables | Unknown | Unknown |
| Acme Waste Systems | 233 E. 850 North Ossian, IN 45777 219-622-6453 | Unknown - did not respond to survey | Assumed MSW, recyclables | Unknown | Unknown |
| City of St. Mary's (closed) | 101 E. Spring Street St. Mary's, OH 45885 | Unknown - did not respond to survey | Assumed MSW, recyclables | Unknown | Unknown |

| Name of Hauling Company | Mailing Address: Street City ST Zip Phone | Description of Collection Routes (Include townships, cities, villages in the district where waste is collected.) | Type of Materials Collected ¹ | Tons Collected from the District (TPY) | Name of Facility- ties Used by Haulers ² |
|--|--|--|---|---|---|
| P&R Disposal | PO Box 678 Celina, OH 45822-0678 419-586-5615 | Unknown - did not respond to survey | Assumed MSW, recyclables | Unknown | Unknown |
| Maharg's Trash Service ⁴ | 3726 Monroe Road Celina, OH 45822 419-586-3130 | Unknown - did not respond to survey | Assumed MSW, recyclables | Unknown | Unknown |

- 1 Separate line item information is not available.
- 2 Most facilities were not willing to provide us with the names of the facilities they used. Only one provided us with the information requested.
- 3 Only two of the above listed haulers sent back survey requests from the District.
- 4 Maharg's Trash Service did not respond to the haulers survey. Although they provided the District with their recyclables intake for calendar year 1996, the District does not have the MSW disposal information.