

Section VI – Methods of Management: Facilities & Programs to be Used.

This section details how the total amount of waste will be managed by each method, including landfilling, recycling, and composting. Included in Appendix J, K, L, and M are the agreements with the landfill facilities that demonstrate sufficient capacity throughout the planning period and provide additional services for the operation of the District. Appendix G contains the list of designated landfill and transfer stations as per the required Designation Agreement.

A. District Methods for Management of Solid Waste

1. Calculation of Capacity Needs

Table VI-1 contains the solid waste management methods utilized to handle all Mahoning County generated solid waste in the reference year as based primarily on Table IV-8, and the projected tonnages throughout the planning period through 2027. The amount to be landfilled was derived by subtracting tons projected to be managed by all other methods which include composting and recycling. As stated in Section IV, reference year information is based on accurate, reported quantities. Tables VI-1, VI-2, and VI-3 were derived by using the waste generation and waste reduction estimates from Section V.

Table VI-1 includes the amounts as confirmed in the 2010 Facility Data Report (FDR) and Ohio EPA Annual District Report (ADR) Comments. Although the District has serious reservations as to the accuracy of the extreme volume of transferred waste, specifically from Total Waste Logistics in 2010, the total amount of transferred waste is included in Table VI-1 (44,131 tons). The District received confirmation from TWL that it was no longer accepting waste effective July 2011 (Appendix G). With ETSI as the only other significant source for transferred waste, the District projects a significant decline in use of transfer facilities throughout the timeline as listed in Table VI-1. The District finds it very challenging to project the tonnages of transferred waste as historical data demonstrates great fluctuations (2009 FDR: 19,737 tons vs. 2010 FDR: 44,131 tons). The District reviewed the Designation Agreement-required reports (reviewed later in this section) that must be submitted each month from each landfill and transfer station that is designated. In reviewing the DA reports submitted through April 2012, the District noted a drop in transfer station use including the ETSI facility. Thus, the District projects declining use with no transferred waste by 2015.

Table VI-2 specifies the methods of management for the projected tonnages of residential and commercial solid waste throughout the planning period. These methods are recycling, composting, and landfilling. The District does not anticipate the need for incineration, and no incinerator or waste-to-energy projects are planned.

Table VI-3 specifies the methods of management for the projected tonnages of industrial solid waste throughout the planning period. These methods are recycling and landfilling.

In preparing Tables VI-1, 2, and 3; the District used the waste generation and waste reduction estimates from Section V.

B. Demonstration of Access to Capacity

The District's future capacity needs were determined based upon the projections for solid waste generation, waste reduction activities, and disposal restrictions as discussed in previous sections. Table VI-4 contains the names of facilities, processing capacity, and the amount of waste from the District that will be accepted at each facility each year throughout the planning period. These facilities include landfills and transfers stations that are designated by the District's Board of Directors; and recycling centers, reuse centers and materials recovery facilities; and composting facilities. Incineration will not be used. Appendix G contains the Designation Agreements with 24 transfer and landfill facilities, and the agreements with Central Waste, Carbon Limestone, and Seneca Landfill are in Appendix J, K, and L. The Cuyahoga County Joint Use Agreement is in Appendix M. These facilities will provide ample capacity for all Mahoning County generated solid waste that will be disposed over the planning period.

In 2009, 90.6% of the total generated solid waste was handled by the three in-district landfill facilities: Carbon Limestone, Central Waste, and Mahoning Landfill. However, a significant portion (13,644 tons) went to the Total Waste Logistics transfer station in Trumbull County (2009 FDR) as this was convenient for several haulers. A significant change occurred in July 2011 as per the official notice received from the operator (Appendix G), as this facility will no longer accept waste.

Although competitive pricing will dictate the amount of waste that will go to the remaining Trumbull County transfer station (ETSI), it is anticipated that reliance on this facility will decline to zero by 2015 and throughout the planning period as haulers realize the convenience and economic advantages of using the landfills located in the District. The District had originally decided that transfer station usage would cease after the closure of TWL; however, it reconsidered this projection and decided to include declining amounts through 2014.

Haulers realize that Mahoning County-generated waste transported to an out-of-district transfer station will most likely be logged as generated out-of-district when taken to a district-based landfill. The tons will be assessed the higher tier two fee level of \$3.00 compared to direct haul for in-district generated waste at \$1.50 per ton – thus the economic advantage and motivation for haulers to direct haul to district-located landfills.

As further proof, in 2011 the District received back-owed fees from a landfill facility that had accepted what was declared Mahoning County-generated solid waste from an out-of-district transfer station. After consulting Ohio EPA, local officials, and the District; the waste was declared Trumbull County-generated and accessed the \$3.00 per ton level

compared to the in-district \$1.50 per ton fee level. It is obvious that a transfer station will have to pass on the extra \$1.50 per ton to the hauler to cover the extra fee when hauling to a Mahoning County facility, thus the economic motivation to direct haul to a landfill.

Contrary to past plan updates, since 2006 the District, through the cooperation of the Board of Health with their landfill inspection program, has aggressively pursued haulers who mischaracterized the point of origin of their loads thus attempting to pay lower fees. For example, an unscrupulous hauler may transport Trumbull County-generated waste to either a transfer station located out-of-district, or direct haul to a District located landfill and declare “Mahoning County”, thus avoiding the Geauga/Trumbull generation fee and the higher tier for District disposal fees (\$3.00/ton vs. \$1.50/ton). With a major and successful court case settled in 2008 and subsequent actions to prevent this practice from continuing; haulers realize that any attempt to falsify the origin of loads (declare Mahoning County vs. Trumbull County) will be uncovered and legal action will be pursued in an aggressive and severe manner by the Mahoning County Prosecutor’s Office and the appropriate law enforcement agency.

Designation Agreements - 2011

RES 10-10-033 “Resolution for Designation for the Plan Update” was approved by the Mahoning County Prosecutor’s Office, the Policy Committee, and by the Board of Directors during a Board of Commissioners’ meeting on October 28, 2010 (Appendix G). The Board of Directors of the District is authorized to establish facility designations in accordance with ORC, Section 343.014. This Plan Update contains the list of Designated Facilities based upon Resolution 94-471, “Resolution of Final Designation” passed by the Board of Mahoning County Commissioners on June 16, 1994, which states designation is “subject to entering into the required designation agreement “. Upon entering into the required Designation Agreement, Appendix G, facilities may accept Mahoning County generated solid waste for transfer or disposal.

The Designation Agreement includes the following requirements:

- a) Maintain valid and enforceable solid waste facility licenses and permits issued by the OEPA, or equivalent governmental agency in any other state and local political subdivision(s) possessing regulatory jurisdiction over the Facility. In addition, the Facility shall perform and complete in a workmanlike manner all work required to operate and maintain the Facility in compliance with all applicable federal, state, and local laws. The Facility agrees to accept any solid waste generated within the District which may be delivered to the Facility during the term of this Designation Agreement.
- b) The Facility shall require persons delivering solid waste to the Facility to declare at the time of delivery, the tonnage or, if the Facility charges its customers on the basis of cubic yards, the volume, of solid waste generated within the District that is contained within each load of solid waste that is delivered to the Facility. The Facility shall make a written record of all such

- declarations, and maintain such records at the offices at the Facility for a minimum of five (5) years from the date of such delivery.
- c) The Facility shall prepare and submit a Monthly Weight Report in a manner provided by the District and included in the Designation Agreement, to the director of the District due the 30th of the month following the end of the previous month.
 - d) Landfill Facilities agree to charge and collect on behalf of the District a Fee of \$1.50 per ton for all Mahoning County-generated solid waste received and disposed at the Facility. If the Landfill Facility charges its customers on the basis of cubic yards, the Facility may charge and collect the Fee on the basis of a conversion factor of three (3) cubic yards equals one (1) ton, or a mutually agreed upon conversion factor. The Fee must accompany the weight report on the due dates prescribed in Item (c).
 - e) Landfill Facilities shall be responsible for charging and obtaining payment of all facility rates and charges for disposal, transfer, or other solid waste handling services at the Facility, as well as all local, state, or federal governmental fees and taxes that are legally established. All such facility rates and charges, and fees and taxes, shall be paid by the person or entity delivering solid waste to the Designated Facility. The District shall have no responsibility or liability for the payment of such rates, charges, fees, or taxes. The District shall not be responsible for the payment of any such fees.

In consideration of the Facility's desire to be designated and comply with District rules and reporting requirements, the District hereby designates the Facility pursuant to Section 343.014 of the Ohio Revised Code, as now existing or hereafter amended, as a Solid Waste Facility authorized to receive Solid Waste generated within the District for disposal or transfer.

The following is a list of the 24 landfill and transfer facilities that may accept District-generated solid waste during the planning period as per the required designation agreement. The District will generate 4,267,034 tons of solid waste throughout the planning period (Table VI-4 "landfills and transfer stations") starting with the reference year which are destined for disposal. As evident with the list of 24 designated facilities (note – although designated, Total Waste Logistics transfer station closed July 2011), more than sufficient capacity is guaranteed. Data was obtained through the 2009 Facility Data Report and actual contact with facilities conducted by District staff in 2011.

24 DESIGNATED FACILITIES

Facility Name/Address	Capacity Tons/Day	Permitted Tons for Placement	Miles from District	Years Left
American Landfill 7916 Chapel St. SE Waynesburg, Ohio 44688	15,000	66,472,184	64.4	74

Athens/Hocking	2,500	10,341,500	222.4	84
Reclamation Center PO Box 946 Logan, Ohio 43138				
Akron Transfer Station	5,000			45
389 Fountain St. Akron, Ohio 44306				
Cambridge Transfer/Recycling	500			137.2
4217 Glenn Highway Cambridge, Ohio 43725				
Carbon Limestone Landfill	11,000	23,432,516	N/A	26
8100 South Stateline Rd. LOCATED IN MAHONING COUNTY Lowellville, Ohio 44436				
Central Waste Landfill	5,000	2,629,089	N/A	8
12003 Oyster Rd. LOCATED IN MAHONING COUNTY Alliance, Ohio 44601				
Coshocton Landfill	500	12,387,875	60	125
19469 County Road 7 Coshocton, Ohio 43812				
County Environmental	4,500	21,699,594	161.3	146
Wyandot Landfill 11164 County Rd. 4 Carey, Ohio 43316				
ETSI Transfer Facility	1,000			22.2
300 Martin Luther King Blvd. Warren, Ohio 44485				
Evergreen R&D Landfill	7,500	6,570,337	170.2	34
2625 East Broadway Northwood, Ohio 43619				
J&J Transfer Station	500			54.6
2403 Chase Rd. SE Carrollton, Ohio 44615				
Imperial Sanitary Landfill	4,666	23,872,027	59.02	40
PO Box 47, 11 Boggs Rd. Imperial, PA. 15126				

Kimble Transfer	750		72.6	
& Recycling 2295 Bolivar Rd. Canton, Ohio 44706				
Kimble Transfer	500		53.7	
& Recycling 8500 Chamberlin Rd. Twinsburg, Ohio 44087				
Kimble Sanitary Landfill	10,000	30,526,296	93.4	77
3696 State Rd. 39 NW Dover, Ohio 44622				
Lakeview Landfill	6,000	6,000,000	101	38
851 Robison Rd. E. Erie, PA. 16509				
Mahoning Landfill	2,500	1,695,774	N/A	8
3510 Garfield Rd. <u>LOCATED IN MAHONING COUNTY</u> New Springfield, Ohio 44443				
Rumpke Noble Rd. Landfill	6,000	3,039,000	108.6	13
170 Nobel Rd. E. Shiloh, Ohio 44878				
Rumpke Harvard Ave.	850		71	
Transfer Station 3227 Harvard Ave. Newburgh Heights, Ohio 44105				
Rumpke Broadview Heights	850		66.2	
Transfer Station 9191 Postal Dr. Broadview Heights, Ohio 44147				
RW Countywide Landfill	7,800	33,850,945	80.9	38
3619 Gracemont Ave. SW East Sparta, Ohio 44626				
Seneca Landfill	3,000	6,855,009	52.7	18
121 Brickyard Rd. Mars, PA. 16046				
Suburban Landfill	5,000	7,994,375	177.3	20

3415 Township Rd. 447
Glenford, Ohio 43739

Total Waste Logistics 500 7.5

1025 Bundy Rd.

Youngstown, Ohio 44509 (located in Trumbull Co., not Mahoning County)

330-702-0702

CLOSED July 2011

Management Methods

The District's total solid waste generation is projected from reference year: 424,808 tons to 2027: 335,458 tons as listed in Table V-4. As current and to continue throughout the planning period, the following management methods will be utilized.

Recycling

As detailed in previous sections, the District projects the annual recyclable material tonnage to go from 170,249 tons in 2009 (res/commercial and industrial) to 146,486 tons in 2027. The District, during the reference year and 2010, obtained accurate recyclable material tonnage from the following major facilities that are anticipated to remain active. These are the primary recyclable material processors; however, there are other private buyback and broker alternatives that are available if processing capacity demands it. The complete reference year list is in Table III-5, and Table VI-4 details the quantities projected for each facility.

Associated Paper Stock MRF – Mahoning County, North Lima

This is a full-service recovery facility that processes recyclable materials generated from the residential and commercial sectors. Included materials: newspaper, office paper, magazines, ad slicks, soft-back publications, shredded paper, phone books, paperboard, cardboard, #1-#7 plastic food, beverage, and household laundry detergent/soap/shampoo containers; metal food and beverage cans, glass beverage containers. In 2011, APS began acceptance of electronics through special drives. The APS MRF was partially funded through an ODNR – Division of Recycling and Litter Prevention Market Development Grant awarded to the District in 2006. MRF capacity 13,000 tons per year.

Greenstar North America MRF – Mahoning County, Poland Township

This is a full-service recovery facility that opened in 2010 that processes recyclable material generated from the residential and commercial sectors and handles a majority of the District's curbside and drop-off materials. Included materials: newspaper, gift wrap, office paper, magazines, ad slicks, soft-back publications, shredded paper, phone books, paperboard, cardboard, #1-#7 plastic food, beverage, and household laundry detergent/soap/shampoo containers; metal food and beverage cans, glass beverage containers. The Greenstar MRF was partially funded through an ODNR – Division of Recycling and Litter Prevention Market Development Grant awarded to the District in

2008. Daily maximum capacity is 100 tons per day or 26,000 tons per year based on 5 days per week confirmed by a company official. This facility is not listed in Table III-5 as it opened in 2010; however, the Greenstar MRF in Pittsburgh, Pennsylvania is listed.

Alliance Recycling Center – Alliance, Ohio

Full service recycling facility that accepts all the materials listed for the District's curbside and drop-off recycling programs. Capacity – 42,900 TPY.

Diver Steel City – Youngstown, Ohio

Processes massive amounts of sheet iron and ferrous metals generated from the residential and commercial sector, and provides accurate monthly reporting to the District in abidance with the City of Youngstown Scrap Metal Processing Facility Ordinance discussed previously. Capacity – 26,000 TPY

Metalico – formerly Youngstown Iron and Metal, Youngstown, Ohio

Processes massive amounts of ferrous and non-ferrous metals mainly generated from industrial sources such as the steel producers/fabricators, and provides accurate monthly reporting to the District in abidance with the Ordinance. Capacity – 170,880 TPY

Midwest Steel – Youngstown, Ohio

Processes ferrous and non-ferrous metals mainly generated from industrial sources such as the steel producers/fabricators, and provides accurate monthly reporting to the District in abidance with the Ordinance.

Vivo III Metals Recycling – Mahoning County, Austintown

Mainly processes non-ferrous metals generated from the residential/commercial sector, and provides accurate monthly reporting.

Broadway Iron and Metal – Mahoning County, Sebring

Processes ferrous and non-ferrous metals, and lead acid batteries generated from the residential/commercial and industrial sectors, and provides accurate monthly reporting.

Chuck's Westside Recycling – Youngstown, Ohio

Processes ferrous and non-ferrous metals and lead acid batteries from the residential/commercial sector and provides accurate monthly reporting to the District in abidance with the Ordinance.

US Trading Company – Youngstown, Ohio

Processes ferrous and non-ferrous metals from the residential/commercial and industrial sectors and provides accurate monthly reporting to the District in abidance with the Ordinance.

Yard Waste

Table VI-4 lists the private composting facilities that have accepted District generated yard waste which includes grass clippings, leaves, and branches. Food waste composting is limited to Youngstown State University as they possess a Class II site that is

appropriately registered with Ohio EPA. YSU only handles food waste generated on campus thus captive. As per Table V-5, the following amounts were generated in the reference year:

Yard Waste generated in the residential and commercial sector:	3,932 tons
Yard Waste generated through the backyard composting program:	0 tons
Yard Waste generated through the community leaf collection programs:	432 tons
Holiday Tree recovery program:	18 tons
Total for 2009:	<u>4,382tons</u>

The District projects a 5% annual increase in the tonnage of leaves collected by the communities that will receive mini-grant funds throughout the timeline, and the non-funded communities that have traditionally provided this service: Poland Village and Canfield City. Although the 2010 to 2009 comparison showed a decline; historical data and acknowledgement of the increased awareness through the District's educational programs provides sufficient justification for the 5% increase. In addition, the District noted a significant increase in the 2011 community leaf collection program, thus the rationale for the annual increase.

As is evident in Table VI-4, sufficient capacity exists and shall continue to exist to handle the composting needs of the District through 2027.

Household Hazardous Waste

The District contracted the HHW material handling services to a private company in the reference year as detailed in Section IV. Environmental Enterprises Inc., through the coalition of Northeast Ohio Solid Waste Districts, was utilized for this service.

Landfilling

As is evident in Table VI – 4, sufficient capacity will exist throughout the planning period for the disposal needs of the District which will require placement of 4,267,034 tons during the timeline. As noted in Table VI-4, the District projected tonnages per landfill facility throughout the timeline by using the 2009 and 2010 FDR tonnages per landfill combined, and calculating the percentage per landfill. Sample calculation is included in the notes in Table VI-4.

In-District Landfill Facilities: Total available capacity negating proposed expansion permits: 27,757,379 tons

As per Table VI-4, total capacity necessary to dispose of District generated waste through the timeline: 4,267,034 tons

Balance: 23,490,345 tons

This doesn't include the out-of-district designated facilities as listed in Table VI-4 which must accept District-generated waste as per the agreement.

Source: 2009 Facility Data Report

Carbon Limestone Landfill – Table VI-4

Processing Capacity: 11,000 TPD

Tons Remaining for Waste Placement: 23,432,516 Tons

Air Space Remaining: 28,576,239 Cubic Yards

Years Remaining: 26 years

Future Plans – Expansion Permits: A permit application before the Ohio EPA to expand by an additional 47,000,000 cubic yards. It will increase the footprint of the landfill by 70 acres and the 47,000,000 cubic yards will give an additional 50 years of life and about 41,000,000 additional tons of capacity. EPA approval is projected in early 2012.

Central Waste Landfill – Table VI-4

Processing Capacity: 5,000 TPD

Tons Remaining for Waste Placement: 2,629,089 Tons

Air Space Remaining: 4,367,097 Cubic Yards

Years Remaining: 8 years

Future Plans – Expansion Permits: CW has submitted to OEPA plans for a lateral expansion of 15 Acres (2,700,000 cubic yards or 1,755,000 tons, est. life increase of 5 years). Prospects are positive for approval with the landfill operator during a Sept. 2011 meeting stating that they are anticipating final approval by the end of 2012.

NOTE: Although permitted, the transfer station located on the grounds of the Central Waste landfill has been and will remain inactive according to the landfill operator during a Sept. 2011 meeting. Thus it is not listed as a facility in the table.

Mahoning Landfill – Table VI-4

Processing Capacity: 2,500 TPD

Tons Remaining for Waste Placement: 1,695,774 Tons

Air Space Remaining: 2,777,219 Cubic Yards

Years Remaining: 8 years

Future Plans - Expansion Permits: Mahoning Landfill submitted a PTI application for a vertical (27.3 acres) & horizontal (51.6 acres) expansion to the Ohio EPA on April 6, 2009. The application requests an increase in AMDWR to 4,000 tons/day. The PTI application provides the expansion airspace volume of 14,325,876 cubic yards and site life expectancy based on 275,000 tons per year. However volumes have declined since submittal of the PTI application to approximately 225,000 tons annually. The expansion will provide approximately 64 years of additional life at 225,000 tons per year.

The above listed landfill facilities are regularly inspected by the Board of Health's landfill inspection program funded by the District as detailed in Section IV. There are no substantial concerns regarding expansion proposals, thus the District has a high degree of confidence that the expansion permits will be approved. Appendix I contains copies of landfill inspection summaries that are provided for the District on a regular basis so that an objective determination can be made regarding future capacity and the stability of the facility with concern for potential violations. Since the District continuously receives these updates and none have raised concern in the past five years, the District firmly believes the expansions for all three facilities will be approved. However, since expansions had not been approved during the plan drafting phase, both Central Waste and

Mahoning Landfill (Table VI-4) are listed at zero acceptance when their current limits expire.

New Solid Waste Disposal Facilities

No new disposal or incinerator facilities have been proposed to the District, Board of Directors, or Policy Committee since the company that had proposed a waste-to-energy facility in 2007 (Section III narrative) withdrew such plans in 2010. With ample disposal capacity throughout the planning period, no additional facilities are needed.

C. Schedule for Facilities and Programs

The District's solid waste management programs that are in place as listed in Section V will remain throughout the planning period with the exception of the Build America Beautiful Program through the HBA and the Recycling Initiative/Competitive Grants program. Table VI-5 lists the schedule for facilities and programs. Although the District highly welcomes entrepreneurs who may propose building additional recycling and composting facilities, the District has no information of such proposals at the time of drafting this update. As referenced previously, both Central Waste and Mahoning Landfill have applied for expansion permits which otherwise would cause their inability to receive waste past their current capacity limits and as noted in Table VI-4. The District anticipates that both facilities will receive the expansions as no violations or other factors have been noted that would cause concern for such permit expansions to be granted. The District has no knowledge of, nor anticipates the closing of any facilities listed in Tables VI-4, VI-5, or VI-6 except for Total Waste Logistics discussed previously.

D. Identification of Facilities

In accordance with ORC Section 3734.53 (A)(12) a: when applicable the district plan shall contain an identification of the solid waste disposal, transfer, and resource recovery facilities and recycling activities contained in the plan where solid wastes generated within or transported into the district will be taken for disposal, transfer, resource recovery, or recycling. Table VI-6 identifies the disposal and transfer stations that are officially designated and allowed to accept Mahoning County-generated waste. The District does not designate recycling or composting facilities.

E. Authorization Statement to Designate

The Board of Directors of the Mahoning County SWMD is hereby authorized to establish facility designations in accordance with Section 343.014 of the ORC. See Resolution Numbers RES 94-223 and RES 94-471 in Appendix G along with the list of designated facilities as per RES 10-10-033.

F. Waiver Process for Undesignated Facilities

The District, in cooperation with the Mahoning County Board of Health, has developed procedures for issuing a waiver to allow solid waste to flow to undesignated facilities. The District acts on all waiver requests in writing and submitted to the Policy Committee and Board of Health. These procedures are developed in accordance with Section 343.01(I) (2) of the ORC. The District must act on a waiver request within 90 days after

receipt with the Board of Health, and must establish steps to evaluate the impact of issuance of the waiver upon:

- * Projections contained in the District's approved (or order to be implemented) Plan under Section 3734.53(A)(6) and (A)(7); and,
- * Implementation and financing of the District's approved Plan.

The process includes the requirement of the requesting facility to sign the Designation Agreement as required in the Resolution of Final Designation – RES 94-471.

Waiver Process

- 1) Upon receipt of a request for inclusion in the District's list of designated facilities, the director of the District shall inform the facility operator that the request will be brought forth to the Policy Committee at the next scheduled meeting, or within 30-days if a meeting is not scheduled for within a 30-day period. The facility operator will be encouraged to attend the Policy Committee meeting and should be prepared to present reasons for inclusion as a designated facility if requested by the PC members.
- 2) The director will advise the PC members of the request through written mail and e-mail that during the next meeting, the request will be on the meeting agenda for their review and consideration.
- 3) The PC members will either reject or approve the request based on the projected impact on overall projections as stated in the currently approved District Solid Waste Management Plan, and the impact on adherence to the implementation of strategies and financing of all Plan activities and programs. In addition, the facility operator must commit to signing the required Designation Agreement once the Board of Directors considers the request. The approval or rejection will be in the form of an official motion with passage or rejection dependent upon a majority vote.
- 4) If rejected, the director shall inform the requested facility operator in writing via certified mail with delivery confirmation within one week of the PC meeting.
- 5) If approved, the director, within a two-week period, must present the PC approved motion to the Board of Mahoning County Commissioners who serve as the Board of Directors, for their consideration and approval pending the facility operator signing the required Designation Agreement. Once signed and returned, then the director shall attach the DA Agreement to the Resolution for the Board of Directors to approve during a public meeting. Meetings are held each week and are open to the public.
- 6) Once the Board of Directors approves the Resolution, then the director, by certified mail with delivery confirmation, will officially notify the facility operator that they are designated and shall be permitted to accept for disposal or transfer purposes, District-generated waste.

G. Siting Strategy for Facilities

The District does not anticipate new landfill, transfer station, or waste-to-energy facility proposals will be received during the planning period as the District has more than sufficient disposal capacity. Since two materials recovery facilities have been built, the District does not anticipate new proposals for large-scale recycling/processing facilities will be received. The District has a new, permanent headquarters and thus does not anticipate such a need during the planning period. The District does not intend to build or operate any facilities during the planning period as the primary focus will continue to be to motivate private enterprise to build such facilities as had been accomplished with the two MRF operations. The District does anticipate that smaller operations for recycling processing, composting, biodigestion operations, and reuse opportunities will be proposed by non-profit organizations and private investors during the planning period although none have been issued as of the draft submittal date.

This section outlines the strategy that will be used to evaluate sites for any proposed solid waste facility within the District. The strategy identifies appropriate data required for a preliminary site survey for new facilities. The roles of various entities such as the Board of Mahoning County Commissioners who serve as Board of Directors, Policy Committee, local governments and the public are explained. The strategy includes Ohio EPA, U.S. EPA and District siting criteria by which specific locations will be evaluated and ranked. Additionally, a process of dispute resolution and mediation is suggested to reduce potential conflicts, foster communication between involved parties and resolve site impasses. The final results of the process outlined in this section are to be expressed in a written agreement that will set out any negotiated limitations placed upon a new facility and shall be binding on all parties.

A solid waste facility could be owned by a public, quasi-public or private entity. Although the District plan does not include construction of any new facilities, the evaluation strategy described in this section will apply to all proposed facilities regardless of ownership.

1. Preliminary Site Survey

Proposed developers of solid waste facilities should obtain a current copy of the solid waste regulations and other existing siting criteria guidance from the district office of the Ohio EPA (address: Northeast District Office, 2110 E. Aurora Road, Twinsburg, Ohio 44087-1969; phone: 440-425-9171). If a private business or government agency plans to construct a new facility, they must submit a Permit-to-Install (PTI) application to the Ohio EPA. Along with this application, the entity is also required to submit the following environmental and socioeconomic data for the proposed site to the District. Most of the information listed below is available from the Ohio DNR, Ohio EPA, Mahoning County Planning Commission, Mahoning County Soil and Water Conservation District, Ohio Historic Preservation Office and local governments.

1. The location of the site, including property boundaries, in relation to political subdivisions and communities, highways and county roads;

2. The location of the following within one-half mile of the proposed site;
 - i. Residential, commercial, industrial and institutional buildings;*
 - ii. Applicable zoning and land use classifications;*
 - iii. Roads and railroads;*
 - iv. Limits of floodplain areas;*
 - v. Existing topography including vegetation, rivers, creeks, intermittent streams, lakes, ponds, wetlands, and other surface waters;*
 - vi. Any other significant features of the area;*
 - vii. Parks, nature preserves, wildlife areas, state scenic rivers and exceptional wildlife habitats.*
3. Surface drainage patterns within 500 feet in all directions beyond facility boundaries;
4. Location of public and private water supply wells within 1,000 feet in all directions beyond facility boundaries.

2. Siting Process

The Mahoning County Board of Commissioners (BMCC), District Policy Committee (PC), its applicable operating committees, Mahoning County Solid Waste Management District staff (District), and the municipality or township where the facility will be sited will follow a specific review process for the evaluation of a proposed solid waste facility. The siting process will primarily consist of two procedures. First, each proposed facility will be evaluated in terms of its compliance with the goals and objectives of the District's Solid Waste Plan included in the Executive Summary. Second, the proposed facility or site will be examined closely according to the existing Ohio EPA, U.S. EPA and District siting criteria. The Board of Directors will make the final decision on every proposed facility and enter into an agreement with the facility owner based on the recommendations of the PC, its applicable operating committees and the local government where the proposed facility will be located, and citizen input.

The PC will create and assign an operating committee to review each proposed facility in view of the District's goals, objectives and siting criteria. The Policy Committee will create a Task Force to evaluate the proposed facility. The Task Force will submit a written report to the committee within 90 days of its formation. The District planning and engineering staff will support the Task Force in technical review of all pertinent information regarding the facility as identified in the preliminary site survey. After completing the review, the committee will forward recommendations to the PC. The PC will submit a resolution stating its recommendation to the Board of Directors, which will make a final determination and notify all relevant parties in writing. The District will maintain a list of consultants qualified to provide additional technical review services to the Task Force if there is a need for such services. The list shall contain a minimum of three consultants so that in the event of a conflict of interest, an appropriate outside consultant will always be available to the District.

If the PC determines that input from a consultant is necessary, the District will select a qualified consultant in accordance with the Mahoning County contracting process.

3. Ohio EPA Criteria

As required by current applicable ORC sections, the Ohio EPA specifies siting regulations for sanitary landfills, transfer stations and incinerators. The Ohio EPA's Division of Ground Water, and the Division of Solid and Infectious Waste Management developed location criteria for these solid waste facilities to strengthen existing rules. Any locally proposed facility will be evaluated against adopted siting regulations.

4. Sanitary landfill siting criteria

According to the rule 3745-27-06 (H), the Ohio EPA Director shall not approve any detail plans, specifications and information unless he determines that:

- The sanitary landfill is not located in a floodway;

Also under rule 3745-27-06 (I) solid waste disposal regulations, except by means of a waiver granted under 3745-27-11, the Ohio EPA Director shall not approve plans for a sanitary landfill under any of the following conditions:

- The sanitary landfill will be located in a regulatory floodplain outside of a floodway; or
- The sanitary landfill will be located in a sand or gravel pit; or
- The sanitary landfill will be located in a limestone or sandstone quarry; or
- Those portions of the sanitary landfill where waste materials are to be deposited will be located within 1000' of a water well in existence on the date the plans were received by Ohio EPA; or
- Those portions of the sanitary landfill where waste materials are to be deposited will be located within 200' of a stream or lake; or the season high ground water table and the lowest level of waste materials in the sanitary landfill will be separated by less than 5 feet of soil of low permeability; or
- The seasonal high ground water table will be less than 5 feet below the existing surface of the site.

5. Solid waste transfer facility siting criteria

As defined in rule 3745-27-22 (C), (D), (I), (J) and (K) of the administrative code, the Ohio EPA Director shall not approve any PTI application for a solid waste transfer facility unless the criteria explained below are met:

(C) The solid waste transfer facility is not located on a floodway;

(D) The solid waste transfer facility is not located within two hundred feet of any surface waters of the state, as defined in rule 3745-1-01 of the Administrative Code;

(I) The solid waste transfer facility is not located in any of the following areas, in existence on the date of receipt of the permit to install application by Ohio EPA; however, if the solid waste transfer facility is located within a park or recreation area identified in this paragraph and exclusively manages wastes generated within the park or recreation area, this paragraph shall not apply.

- National park or recreation area; or
- Candidate area for potential inclusion in the national park system; or
- State park or established state park purchase area; or
- Any property that lies within the boundaries of a national park or recreation area but has not been acquired or is not administered by the Secretary of the United States Department of the Interior.

(J) The solid waste transfer facility is not located within five hundred feet of the following, which are in existence on the date of receipt of the permit to install application by the Ohio EPA:

- Areas designated by the Ohio Department of Natural Resources as either a state nature preserve, a state wildlife area, or a state scenic river; or
- Areas designated, owned, and managed by the Ohio Historical Society as a nature preserve; or
- Areas designated by the United States Department of Interior as either a national wildlife refuge or a national scenic river; or
- Areas designated by the United States Forest Service as either a special interest area or a research natural area in the Wayne National Forest; or
- Surface waters of the state designated by Ohio EPA as either a state resource water, a cold-water habitat, or an exceptional warm-water habitat, as classified in accordance with chapter 3745-1 of the Administrative Code.

(K) All waste handling areas of a solid waste transfer facility are not located within two hundred fifty feet of a domicile in existence on the date the permit-to-install application was received by the Ohio EPA.

6. Solid waste incinerator siting criteria

According to the following rules 3745-27-51 (C), (D), (I) and (J) of the Administrative Code, the Ohio EPA Director shall not approve any PTI applications for a solid waste incinerator facility unless it is determined that:

(C) The solid waste incinerator facility is not located in a floodway; and

(D) The solid waste incinerator facility is not located within two hundred feet of any surface waters of the state, as defined in rule 3745-1-02 of the Administrative Code.

(I) the solid waste incinerator facility is not located in any of the following areas, in existence on the date of receipt of the PTI application by Ohio EPA:

- National park or recreation area; or
- Candidate area for potential inclusion in the national park system; or
- State park or established state park purchase area; or
- Any property that lies within the boundaries of a national park or recreation area but that has not been acquired or is not administered by the Secretary of the United States Department of the Interior.

If the solid waste incinerator facility is located within a park or recreation area identified in this paragraph and exclusively manages wastes generated within the park or recreation area, this paragraph shall not apply; and

(J) The solid waste incinerator facility is not located within two hundred fifty feet of the following, which are in existence on the date or receipt of the PTI application by the Ohio EPA:

- Areas designated by the Ohio Department of Natural Resources as either a state nature preserve, a state wildlife area, or a state scenic river: or
- Areas designated, owned, and managed by the Ohio Historical Society as a nature preserve; or
- Areas designated by the United States Department of the Interior as either a national wildlife refuge or a national scenic river; or
- Areas designated by the United States Forest Service as either a special

interest area or a research natural area in the Wayne National Forest; or

- Surface waters of the state designated by Ohio EPA as a state resource water, a cold-water habitat, or an exceptional warm-water habitat, as classified in accordance with chapter 3745-1 or the Administrative Code.

7. U.S. EPA Siting Criteria for Yard Waste Composting Facilities

The Federal Aviation Administration (FAA) considers yard waste composting facilities a potential bird hazard to aircraft. Consequently, the FAA has developed location criteria for composting facilities that should be located at least:

- 5,000 feet from an airport servicing piston-driven aircraft only; and
- 10,000 feet from an airport servicing turbo-driven aircraft.

8. District Siting Criteria

Three categories of District siting criteria are identified: engineering, environmental and sociopolitical shall be considered for all facilities.

1. Engineering Criteria

• Site Location:

The proposed facility should be located away from major population concentrations to reduce potential adverse environmental impacts. Depending upon the type of facility, each proposal will be judged separately based upon its own characteristics.

• Accessibility:

The proposed facility should be sited near a major thoroughfare. Trucks carrying solid waste should not be routed through neighborhoods, busy commercial areas or over insufficiently improved roads or streets.

• Site Size & Shape:

The proposed site for a facility should be large enough for the construction of the required buildings and structures, and provide sufficient space to allow areas to be laid out for optimum vehicle movement, parking, queuing space, and private vehicle/commercial truck separation.

• Existing Zoning:

Preferable sites should be compatible with existing zoning.

• Access to Utilities:

Preferable sites should have ready access to all required utilities including electricity, gas, potable water, processing water, wastewater disposal and telephones. All utilities should have adequate capacity to supply the facility with its design requirements.

• Topography:

Preferable sites should not have excessive or severe elevation differences and should have reasonable grades on access roads.

• Soils and Geology:

Existing soils of the site must be adequate to support structures, roads, highways and all proposed operations.

2. Environmental Criteria

• Traffic:

Preferable sites should minimize congestion and safety concerns. Turning functions, site distance from areas of heavy traffic congestion, facility traffic volume, noise and aesthetics are all factors that will be considered in evaluating the impact of facility traffic on existing flows within the vicinity of the site.

- **Noise:**

Preferable sites should have a minimum adverse impact on noise levels in surrounding residential or other noise-sensitive areas and must comply with existing sound ordinances. Noise levels may result from traffic to and from the facility, construction and operation of the facility.

- **Dust:**

Dust can be generated both during construction and operation of the facility. Steps to reduce dust during construction should be identified prior to advertising for bids, so those contractors may incorporate compliance with local nuisance codes and permit-to-install limitations into their bids. During facility operation, compliance with agreements for dust reduction, local health codes and the Mahoning County Board of Health inspectors who will enforce the EPA regulations.

- **Wetlands:**

In the past, solid waste facilities were frequently located in what were called "swampy areas," but are now called wetlands. Because of the increased recognition of the importance of wetlands in providing wildlife habitat, State and/or Federal permits are generally required to site a facility in a wetlands area. Any proposed facilities must comply with these guidelines in the initial proposal.

- **Screening:**

Natural screens such as trees and topography should be utilized when designing the facility.

3. Sociopolitical Criteria

- **Negative Neighborhood Image/Property Values:**

Preferable sites should cause minimal real or perceived environmental or economic impacts on surrounding areas. Public opinion can be a major factor in the relative importance and effect of this criterion.

- **Public Attitude:**

Preferable sites should minimize public opposition by maximizing the site's conformance to the physical and environmental criteria described above.

- **Governmental Cooperation:**

To reduce intergovernmental conflicts, the proposed facility should be located wholly within the District and should not cross the District boundary.

- **Public Participation:**

The facility siting process consists of a structured set of policies that guide the implementation of waste management goals within the social and political context. Over the last two decades, non-governmental interests have become increasingly involved in local decision making. The process of siting any proposed facility will be an open one with ample opportunity for public comment and review of documents, plans and potential impacts. When the Task Force starts evaluating a proposed facility, the public will be notified and encouraged to participate in any hearings.

4. Economic Criterion

- **Access to Markets:**

Convenient access to the markets for products produced at a facility may be an important factor, depending upon the type of facility and its output. Market determination is usually based on the market value of the material and the transportation cost to specific markets.

Evaluation and Ranking Scheme

Any proposed facility will be evaluated in terms of engineering, environmental and socioeconomic criteria, which will be ranked for the specific site. The exact scheme of ranking will depend upon the type of solid waste facility. This quantitative scheme will help the Task Force and the PC's applicable operating committees examine a specific site according to its suitability. In developing the specific ranking and weighing criteria for the siting study, the Task Force and PC committees may want to solicit expert opinion from a consultant.

The ranking scheme chosen to identify the suitability of a proposed site should be easily understood and replicable so people other than the Task Force can perform the method and arrive at similar results. The method should also be replicable in a reasonable amount of time. The Task Force will begin evaluation of a proposed site by including the criteria in the "must list". The environmental and engineering criteria in the "must list" will not be ranked or weighted by the Task Force. A potential site must meet every criterion listed in the "must list".

Those sites meeting all of the criteria in the "must list" will be further evaluated in terms of other criteria that will be ranked and weighed by the Task Force. For each criterion, this ranking can be a simple low, medium or high ranking, or can easily be converted to a quantitative ranking to show their relative importance.

Resolving Site Impasses through Mediation

Mediation is a technique widely used by government, industry, labor and management to resolve impasses. This formal process brings together representatives of opposing positions to work through a mediator (or a team of mediators) to resolve their conflicts. The mediator may clarify areas of agreement and disagreement by suggesting possible solutions to the conflict, and recommending methods to implement the solutions. Public involvement will be encouraged for facilities involving controversy. The increased public involvement and Task Force's recommendations will aid in the identification of suitable sites and reduce controversy.

H. Contingencies for Capacity Assurance and District Program Implementation

There is no uncertainty associated with the demonstration of access to capacity or program implementation, and the District will have the capacity and other essential resources in order to handle all the District-generated solid waste through landfilling, recycling and reuse, and composting.

**MAHONING COUNTY SOLID WASTE MANAGEMENT DISTRICT
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**TABLE VI-1
WASTE MANAGEMENT METHODS AND REQUIRED PROCESSING CAPACITY**

YEAR	TONS OF SW GENERATED Table 5-4 (incl. Exempt)	TONS SOURCE REDUCED Table 5-5 Table 5-6	NET TONS TO BE MANAGED BY SWMD	MANAGEMENT METHOD USED & PROCESSING CAPACITY REQUIRED						
				RECYCLING	TRANSFER	YARD WASTE COMPOSTING	YW LAND APPLICATION	INCINERATION	MSW COMPOSTING	LANDFILLING
				TPY	TPY	TPY	TPY	TPY	TPY	TPY
2009	424,808	0	424,808	165,867	19,737	4,382	0	0	0	234,822
2010	450,018	0	450,018	176,409	44,131	12,643	0	0	0	216,835
2011	412,796	0	412,796	157,100	10,000	4,131	0	0	0	241,565
2012	407,696	0	407,696	155,857	3,000	4,152	0	0	0	244,686
2013	402,665	0	402,665	154,652	2,000	4,174	0	0	0	241,839
2014	397,703	0	397,703	153,485	1,000	4,198	0	0	0	239,020
2015	392,807	0	392,807	152,357	0	4,222	0	0	0	236,228
2016	387,977	0	387,977	151,267	0	4,248	0	0	0	232,462
2017	383,210	0	383,210	150,215	0	4,274	0	0	0	228,721
2018	378,507	0	378,507	149,202	0	4,303	0	0	0	225,002
2019	373,865	0	373,865	148,227	0	4,332	0	0	0	221,305
2020	369,283	0	369,283	147,292	0	4,363	0	0	0	217,628
2021	364,261	0	364,261	146,396	0	4,396	0	0	0	213,469
2022	359,304	0	359,304	145,539	0	4,430	0	0	0	209,335
2023	354,411	0	354,411	144,722	0	4,466	0	0	0	205,224
2024	349,581	0	349,581	143,944	0	4,504	0	0	0	201,133
2025	344,813	0	344,813	143,208	0	4,543	0	0	0	197,062
2026	340,106	0	340,106	142,512	0	4,585	0	0	0	193,009
2027	335,458	0	335,458	141,858	0	4,629	0	0	0	188,972

Sample Calculations:

"Recycling" taken from Tables V-5 and V-6.

"Composting" taken from Table V-5 includes Holiday Tree and Leaf Collection.

"Yard Waste" taken from Table V-5.

"Source Reduction" taken from Table V-5

Possible one-ton variance between VI-1 and VI-4 tables due to decimal calculations.

NOTE: 2010 disposal total is 260,966 (216,835 landfilled + 44,131 tons transfer stations) as per the 2010 ADR comments received from Ohio EPA.

NOTE: As explained previously, the 2010 composting amount is considered an anomaly and is not projected to remain at such high levels. 12,643 tons obtained from ADR Comments minus the originally projected backyard composting total that is not permitted for use in planning purposes as per the Format.

NOTE: 2011 transfer station amount not available during comment correction's phase. 2011 Landfill amount not confirmed by Facility Data Report, thus remains from original draft projection.

NOTE: 2012, 2013, 2014 transfer station waste projection shows a decline as Total Waste Logistics, the main source of District transferred waste, officially closed in 2011 as noted previously.

MAHONING COUNTY SOLID WASTE MANAGEMENT DISTRICT SOLID WASTE MANAGEMENT PLAN

**TABLE VI-2
SUMMARY FOR RESIDENTIAL/COMMERCIAL WASTE MANAGEMENT METHODS**

YEAR	TONS OF SW GENERATED Table 5-4 (excl. Exempt)	MANAGEMENT METHOD USED & PROCESSING CAPACITY REQUIRED				
		RECYCLING Table V-5	INCINERATION	COMPOSTING Table V-5	LANDFILLING	ASH DISPOSAL
		TPY	TPY	TPY	TPY	TPY
2009	257,710	55,151	0	4,382	198,177	0
2010	279,242	77,687	0	12,643	188,912	0
2011	251,887	59,941	0	4,131	187,814	0
2012	249,782	60,237	0	4,152	185,393	0
2013	247,681	60,546	0	4,174	182,961	0
2014	245,586	60,869	0	4,198	180,519	0
2015	243,496	61,207	0	4,222	178,067	0
2016	241,412	61,561	0	4,248	175,603	0
2017	239,332	61,929	0	4,274	173,128	0
2018	237,257	62,314	0	4,303	170,640	0
2019	235,187	62,716	0	4,332	168,139	0
2020	233,123	63,134	0	4,363	165,625	0
2021	230,564	63,571	0	4,396	162,597	0
2022	228,018	64,025	0	4,430	159,562	0
2023	225,484	64,499	0	4,466	156,519	0
2024	222,963	64,992	0	4,504	153,467	0
2025	220,454	65,506	0	4,543	150,405	0
2026	217,958	66,040	0	4,585	147,332	0
2027	215,474	66,597	0	4,629	144,248	0

Sample Calculations:

"Recycling" taken from Table V-5 (excluding compost and source reduction).

"Composting" taken from Table V-5 includes Holiday Tree and Leaf Collection.

"Yard Waste" taken from Table V-5.

"Source Reduction" taken from Table V-5

"Landfilling" = Tons Generated - Recycling - Composting - (Incineration - Ash Disposal)

2010 Landfilling matches 2010 ADR Comments received from Ohio EPA.

2011 Recycling and landfilling amounts are projected since the ADR Comments nor 2011 Facility Data Report were available during comment correction's phase

MAHONING COUNTY SOLID WASTE MANAGEMENT DISTRICT SOLID WASTE MANAGEMENT PLAN

**TABLE VI-3
SUMMARY FOR INDUSTRIAL WASTE MANAGEMENT METHODS**

YEAR	TONS OF SW GENERATED Table 5-4 (excl. Exempt)	MANAGEMENT METHOD USED & PROCESSING CAPACITY REQUIRED				
		SOURCE REDUCTION & RECYCLING	INCINERATION	COMPOSTING	LANDFILLING	ASH DISPOSAL
		TPY	TPY	TPY	TPY	TPY
2009	159,533	110,716	0	0	48,817	0
2010	161,285	98,722	0	0	62,563	0
2011	153,344	97,159	0	0	56,185	0
2012	150,349	95,620	0	0	54,729	0
2013	147,419	94,106	0	0	53,313	0
2014	144,551	92,616	0	0	51,935	0
2015	141,746	91,149	0	0	50,596	0
2016	139,000	89,706	0	0	49,294	0
2017	136,314	88,286	0	0	48,028	0
2018	133,685	86,888	0	0	46,797	0
2019	131,113	85,512	0	0	45,601	0
2020	128,595	84,158	0	0	44,438	0
2021	126,132	82,825	0	0	43,307	0
2022	123,721	81,514	0	0	42,208	0
2023	121,362	80,223	0	0	41,139	0
2024	119,054	78,952	0	0	40,101	0
2025	116,794	77,702	0	0	39,092	0
2026	114,583	76,472	0	0	38,112	0
2027	112,420	75,261	0	0	37,159	0

Sample Calculations:

"Recycling" taken from Table V-6.

"Landfilling" = Tons Generated - Recycling - (Incineration - Ash Disposal)

2010 Tons Generated match 2010 ADR comments.

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**TABLE VI-4
WASTE MANAGEMENT METHODS TO BE USED BY THE DISTRICT: Landfills and Transfer Stations**

FACILITIES USED BY THE DISTRICT NAME AND LOCATION	PROCESSING CAPACITY (TPD)	Tons for Waste Placement	Air Space Gross Volume (CY)	YEARS	2009-10 %	TONS OF SOLID WASTE MANAGED BY EACH FACILITY																			
						2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
American Landfill 7916 Chapel St. SE Waynesburg, Ohio 44688	15,000	66,472,184	84,605,983	74	0.45	1,626	399	1,087	1,101	1,087	1,076	1,063	1,046	1,029	1,013	996	979	961	942	924	905	887	869	850	
Athens/Hocking Reclamation PO Box 946 Logan, Ohio 43138	2,500	10,341,500	14,773,500	84	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbon Limestone Landfill 8100 S. Stateline Rd. Lowellville, Ohio 44436	11,000	23,432,516	28,576,239	26	56.80	124,135	131,883	137,209	138,982	137,365	135,763	134,178	132,039	129,914	222,302	218,649	215,015	210,907	206,823	202,760	198,719	194,697	190,693	186,704	
Central Waste Landfill 12003 Oyster Rd. Alliance, Ohio 44601	5,000	2,629,089	4,367,097	8	10.20	23,560	22,201	24,640	24,958	24,668	24,380	24,095	23,711	23,330	0	0	0	0	0	0	0	0	0	0	
County Env. Wyandot Landfill 11164 County Rd. 4 Carey, Ohio 43316	4,500	21,699,594	21,703,659	146	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Coshocton Landfill 19469 County Rd. 7 Coshocton, Ohio 43812	500	12,387,875	11,261,705	125	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Evergreen R&D Landfill 2625 E. Broadway Northwood, Ohio 43619	7,500	6,570,337	9,784,567	34	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Imperial Landfill 11 Boggs Rd. Imperial, PA. 15126	4,666	23,872,027	41,685,311	40	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kimble Sanitary Landfill 3696 State Rd. 39 NW Dover, Ohio 44622	10,000	30,526,296	42,390,273	77	0.14	143	496	338	342	339	335	331	325	320	315	310	305	299	293	287	282	276	270	265	
Lakeview Landfill 851 Robison Rd. E. Erie, PA. 16509	6,000	6,000,000	6,000,000	38	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mahoning Landfill 3510 Garfield Rd. New Springfield, Ohio 44443	2,500	1,695,774	2,777,219	8	31.80	82,957	60,488	76,818	77,810	76,905	76,008	75,121	73,923	72,733	0	0	0	0	0	0	0	0	0	0	
Rumpke Noble Rd. Landfill 170 Noble Rd. E. Shiloh, Ohio 44878	6,000	3,039,000	14,473,000	13	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RW Countywide 3619 Gracemont Ave. SW East Sparta, Ohio 44626	7,800	33,850,945	44,453,075	38	0.61	1,788	216	1,473	1,494	1,475	1,458	1,441	1,419	1,395	1,372	1,350	1,328	1,302	1,277	1252	1,227	1,202	1,177	1,153	
Seneca Landfill 121 Brickyard Rd. Mars, PA. 16046	3,000	6,855,009	9,197,323	18	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3415 Township Rd. 447 Glenford, Ohio 43739	5,000	7,994,375	11,687,682	20	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Non-Designated Landfills as of July 2011																									
2039 Blase Nemeth Rd. Painsville, Ohio 44077	1,474	1,938,449	3,589,720	12	0.00	614	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**MAHONING COUNTY SOLID WASTE MANAGEMENT DISTRICT
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**TABLE VI-4
WASTE MANAGEMENT METHODS TO BE USED BY THE DISTRICT: Landfills and Transfer Stations**

FACILITIES USED BY THE DISTRICT NAME AND LOCATION	PROCESSING CAPACITY (TPD)	Tons for Waste Placement	Air Space Gross Volume (CY)	YEARS	2009-10 %	TONS OF SOLID WASTE MANAGED BY EACH FACILITY																		
						2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Transfer Stations																								
Akron Transfer Station 389 Fountain St. Akron, Ohio 44306	5,000	NA	NA	NA		168	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cambridge Transfer Station 4217 Glenn Highway Cambridge, Ohio 43725	500	NA	NA	NA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ETSI Transfer Station 300 Martin Luther King Blvd. Warren, Ohio 44485	1,000	NA	NA	NA		5,921	6,262	5,000	3,000	2,000	1,000	0	0	0	0	0	0	0	0	0	0	0		
J & J Transfer Station 2403 Chase Rd. SE Carrollton, Ohio 44615	500	NA	NA	NA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kimble Transfer Station 2295 Bolivar Rd. Canton, Ohio 44706	750	NA	NA	NA		1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kimble Transfer Station 8500 Chamberlin Rd. Twinsburg, Ohio 44087	500	NA	NA	NA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Rumpke Transfer Station 3227 Harvard Ave. Newburgh Heights, Ohio 44105	850	NA	NA	NA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Rumpke Transfer Station 9191 Postal Dr. Broadview Heights, Ohio 44147	850	NA	NA	NA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total Waste Logistics 1025 Bundy Rd. Yo., Ohio 44509 (Trumbull Co.)	CLOSED July 2011					13,644	37,777	5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Non-Designated Transfer Stations as of July 2011																								
Cleveland Transfer 7450 Oakleaf Rd. Oakwood Village, Ohio 44146					0.00	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
District Totals						254,559	259,814	251,565	247,687	243,839	240,020	236,229	232,463	228,721	225,002	221,305	217,627	213,469	209,335	205,223	201,133	197,062	193,009	188,972

1) Note: 2009 tons source - 2009 Facility Data Report, Ohio EPA
Please note that no waste is being designated for both Central Waste and Mahoning Landfills past 2017 as the District has not received final approval notification from the facilities that their expansion permits have been approved by Ohio EPA.
2) 2011 FDR not available during comment correction's phase, thus projected. District used 2009 and 2010 combined landfill totals to arrive at the percentages per landfill and thus the projected tonnages throughout the timeline. Sample calculation: total 2009 + 2010 landfilled = 450,506 tons. Carbon Limestone 2009 + 2010 total = 256,018 or 56.8% of total.
3) Disposal projections based on logic as presented in Section V and Tables V-2 and V-3.
4) Sample calculation: 2014 total = Table V-4 total generated = 397,703, minus waste reduced from V-5 (65,067) and V-6 (92,616) = 240,020.
5) NOTE: Total Waste Logistics Transfer Station officially ceased acceptance of waste in mid-2011 as detailed previously. Although the District has concerns as to accuracy, the total amount attributed to TWL in 2010 was placed in this table. The District projects declining use of transfer facilities with decreases through 2014. The challenge of projecting transfer facility tonnages is considerable as historical data suggests vast fluctuations. Thus, the District believes use of the ETSI facility will decline with transfer facility usage projected to cease in 2015.
6) The District acknowledges in Section VIII that although the 2011 FDR was not available during the Draft comment correction's phase, there was a spike in tonnage in 2011. This was due to a one-time event as confirmed by the operator of the Carbon Limestone Landfill, Section V, P. 127. The 2011 tonnage presented in this table reflects the original Draft projections.

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SOLID WASTE MANAGEMENT PLAN**

**TABLE VI-4 (CONT'D)
WASTE MANAGEMENT METHODS TO BE USED BY THE DISTRICT: Recycling and Composting**

FACILITIES USED BY THE DISTRICT NAME AND LOCATION	PROCESSING CAPACITY (TPY)	TONS OF MAHONING COUNTY SOLID WASTE MANAGED BY EACH FACILITY																			
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
<i>Recyclers/Brokers (incl. Processing District Strategies)</i>																					
Alliance Recycling Center	42,900	Brokers	184	407	411	415	419	424	428	432	436	441	445	450	454	459	463	468	473	477	482
Allied Waste	N/A	Brokers	6,027	5985	6,045	6,106	6,167	6,228	6,291	6,353	6,417	6,481	6,546	6,611	6,677	6,744	6,812	6,880	6,949	7,018	7,088
Associated Paper Stock	13,000	Brokers	5,342	5393	5,447	5,502	5,557	5,612	5,668	5,725	5,782	5,840	5,898	5,957	6,017	6,077	6,138	6,199	6,261	6,324	6,387
Battery Solutions	N/A		11	13	14	14	15	16	17	17	18	19	20	21	22	23	25	26	27	28	30
Casual Carpet	N/A	Brokers	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBS Topsoil (Wood)	N/A	Brokers	0	3000	3,030	3,060	3,091	3,122	3,153	3,185	3,216	3,249	3,281	3,314	3,347	3,380	3,414	3,448	3,483	3,518	3,553
Cintas (Business Recycling)	N/A		410	409	421	434	447	460	474	488	503	518	534	550	566	583	601	619	637	656	676
Environmental Services (HHW)	N/A		10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9
Environmental Services (Oil)	N/A		9	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7
Environmental Services (LAB)	N/A		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EnviroPro Plastics	N/A	Brokers	138	138	139	140	142	143	145	146	147	149	150	152	153	155	156	158	160	161	163
Gleaners Food Bank	N/A	Brokers	225	500	505	510	515	520	526	531	536	541	547	552	558	563	569	575	580	586	592
Goodwill Industries	N/A	Brokers	1,759	1441	1,462	1,477	1,491	1,505	1,520	1,535	1,550	1,565	1,580	1,595	1,611	1,626	1,642	1,659	1,675	1,690	1,707
GreenStar Recycling	26,000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Curbside	N/A		3,793	3,617	3,653	3,690	3,727	3,764	3,802	3,840	3,878	3,917	3,956	3,995	4,035	4,076	4,116	4,158	4,199	4,241	4,284
Drop Off Recycling	N/A		3,956	3,886	3,925	3,964	4,004	4,044	4,084	4,125	4,166	4,208	4,250	4,293	4,335	4,379	4,423	4,467	4,512	4,557	4,602
School Fiber Program	N/A		2,543	2,654	2,681	2,707	2,734	2,762	2,789	2,817	2,845	2,874	2,903	2,932	2,961	2,991	3,020	3,051	3,081	3,112	3,143
Interstate Shredding	N/A		0	63	67	70	73	77	81	85	89	94	98	103	108	114	119	125	132	138	145
Iron City Wood Products	N/A	Brokers	527	527	532	538	543	549	554	560	565	571	577	582	588	594	600	606	612	618	624
Liberty Tire	N/A	Tires	2,167	2,888	3,032	3,184	3,343	3,510	3,686	3,870	4,064	4,267	4,480	4,704	4,939	5,186	5,446	5,718	6,004	6,304	6,619
Municipal Tire Drives	N/A	Tires	114	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
Macy's Distributing Center	N/A	Brokers	158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MRF Data (EPA)	N/A	Brokers	0	113	115	116	117	118	119	120	122	123	124	125	127	128	129	130	132	133	134
Niles Iron and Metal (Cash-for-Cans)	1,001,000		10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Ohio Surplus	N/A	Brokers	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Overflow	N/A		542	556	556	556	556	556	556	556	556	556	556	556	556	556	556	556	556	556	556
Planet Aid	N/A	Brokers	329	364	367	371	375	379	382	386	390	394	398	402	406	410	414	418	422	427	431
Protect & Shred	N/A	Brokers	168	194	196	198	200	202	204	206	208	210	212	214	216	218	220	223	225	227	229
re:CREATE	N/A		170	179	183	186	190	194	198	202	206	210	214	218	223	227	232	236	241	246	251
Recycle Tech (Electronics Collection)	N/A		76	67	68	68	69	70	70	71	72	73	74	75	75	76	77	78	79	79	79
Salvation Army	N/A	Brokers	361	361	364	368	372	375	379	383	387	391	395	399	403	407	411	415	419	423	427
Second Harvest Food Bank	N/A	Brokers	1,900	2300	2,323	2,346	2,370	2,393	2,417	2,441	2,466	2,491	2,515	2,541	2,566	2,592	2,618	2,644	2,670	2,697	2,724
Send It Packin	N/A	Brokers	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
The Computer Shoppe	N/A	Brokers	0	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10
The Concern	N/A	Brokers	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10
Val-Electronics	N/A	Brokers	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vital Records Storage	N/A	Brokers	10	82	82	83	84	85	86	87	87	88	89	90	91	92	93	94	95	96	97
Walmart	N/A	Brokers	1,231	1532	1,547	1,563	1,578	1,594	1,610	1,626	1,642	1,659	1,675	1,692	1,709	1,726	1,743	1,761	1,778	1,796	1,814
Waste Management of Ohio	N/A	Brokers	555	450	455	459	464	468	473	478	482	487	492	497	502	507	512	517	522	528	533
Youngstown Post Office	N/A	Brokers	0	110	111	112	113	114	116	117	118	119	120	122	123	124	125	126	128	129	130
<i>Scrap Metal Dealers (Res/Comm)</i>																					
Broadway Iron & Metal	N/A		11	125.0	11	11	11	11	10	10	10	10	10	10	10	10	10	10	9	9	9
Broadway (LAB)			14	14.0	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Broadway (non-Fe)		Brokers	115	4.0	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5
Broadway (White Goods)		Brokers	39	36.0	36	37	37	37	38	38	39	39	39	40	40	41	41	41	42	42	43
Chuck's West Side Recyclers	624		9	218.5	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8
Chuck's West Side Recycler (LAB)			3	2.7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Chuck's West Side Recycler (non-Fe)		Brokers	40	6.6	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8
Chuck's West Side Recycler (White Goods)		Brokers	8	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diver Steel City	26,000		21,404	38,941.0	21,190	20,978	20,768	20,561	20,355	20,151	19,950	19,750	19,553	19,357	19,164	18,972	18,782	18,595	18,409	18,225	18,042
Girard Recycling	N/A		33	0.0	33	32	32	32	31	31	31	30	30	30	29	29	29	28	28	28	28
Girard Recycling (LAB)			16	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U.S. Trading Co.	N/A		37	234.0	37	36	36	36	35	35	34	34	34	33	33	32	32	32	32	32	31
U.S. Trading Co. (LAB)			24	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U.S. Trading Co. (non-Fe)		Brokers	237	63.3	64	65	65	66	67	67	68	69	69	70	71	71	72	73	73	74	75
Vivo Metal Trading	N/A		251	262.2	248	246	244	241	239	236	234	232	229	227	225	222	220	218	216	214	212
Vivo Metal Trading (non-Fe)		Brokers	140	357.8	361	365	369	372	376	380	384	387	391	395	399	403	407	411	415	420	424
Liberty Tire	N/A		8	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scrap Metal Dealers (Ind)</i>																					
Broadway Iron & Metal	N/A		3,853	4269	4,201	4,135	4,069	4,005	3,942	3,879	3,818	3,757	3,698	3,639	3,582	3,525	3,469	3,414	3,360	3,307	3,254
Midwest Steel and Alloy	N/A		19,331	22576	22,219	21,867	21,520	21,180	20,844	20,514	20,189	19,870	19,555	19,245	18,941	18,641	18,346	18,055	17,769	17,488	17,211
U.S. Trading Co.	N/A		126	63	62	61	60	59	58	57	56	55	55	54	53	52	51	50	50	49	48
Metalico formerly Youngstown Iron & Metal	170,880		87,406	71814	70,677	69,558	68,45														

**MAHONING COUNTY SOLID WASTE MANAGEMENT DISTRICT
SOLID WASTE MANAGEMENT PLAN**

**TABLE VI-4 (CONT'D)
WASTE MANAGEMENT METHODS TO BE USED BY THE DISTRICT: Recycling and Composting**

FACILITIES USED BY THE DISTRICT NAME AND LOCATION	PROCESSING CAPACITY (TPY)	TONS OF MAHONING COUNTY SOLID WASTE MANAGED BY EACH FACILITY																		
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
<i>District Programs (Tons not included Brokers/Recyclers)</i>																				
Back Yard Composting	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Holiday Tree Recycling	N/A	18	17	18	18	19	19	20	20	21	22	22	23	24	24	25	26	26	27	28
Litter Collection	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Compost Facilities/Leaf Collections</i>																				
AFC Co. 5183 Western Reserve Rd. Canfield, OH 44406		0	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Austintown Leaf Collection 82 Ohltown Rd. Austintown, Ohio 44515		20	13.91	15	15	16	17	18	19	20	21	22	23	24	25	26	28	29	30	32
Boardman Twp Compost Park Avenue Boardman, OH 44512		169	9.02	9	10	10	11	12	12	13	13	14	15	15	16	17	18	19	20	21
Canfield Township Leaf Collection 21 South Broad St. Canfield, OH 44406		8	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBS Topsoil 1616 N. Bailer Rd. North Jackson, OH 44451		2,317	2500.40	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Dave Price Tree Service 1620 Albert St. Youngstown, OH 44503		913	456.00	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456
Lowellville Village Leaf Collection 140 East Liberty St. Lowellville, OH 44436		0	19.25	20	21	22	23	25	26	27	28	30	31	33	35	36	38	40	42	44
New Middletown Village Leaf Composting 10711 Main St. New Middletown, OH 44442		0	5.04	5	6	6	6	6	7	7	7	8	8	9	9	10	10	10	11	12
Poland Township Yard Waste Drop-off 3339 Dobbins Rd. Poland, OH 44514		193	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saunders & Sons Topsoil 3299 E. Western Reserve Rd. Poland, OH 44514		0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sebring Leaf Collection 135 E. Ohio Ave. Sebring, OH 44672		126	126.75	133	140	147	154	162	170	178	187	197	206	217	228	239	251	264	277	291
Struthers Leaf Collection 351 Tenney Ave. Campbell, OH 44405		78	157.00	229	240	252	265	278	292	307	322	338	355	373	392	411	432	453	476	500
Tree & Lawn Landscape 13159 Woodworth Rd. New Springfield, OH 44514		286	548.50	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549
Uhrain Greenhouses 704 Maple Ave. Boardman, OH 44513		223	74.00	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
Youngstown Leaf Collection 26 S. Phelps St. Youngstown, OH 44503		25	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		170,249	189,052	161,231	160,009	158,826	157,683	156,579	155,515	154,490	153,505	152,560	151,656	150,792	149,969	149,188	148,449	147,752	147,097	146,486

Note: To avoid double counting, compost amounts are only listed for communities that did not send their materials to a reporting Mahoning County facility.
 Note: one-ton variance possible between Table VI-1 and recycling totals listed above due to decimal calculations.
 Note: 2010 total (189,052 tons) matches 2010 ADR Ohio EPA Comments received, minus backyard composting which was projected in original Draft but is not countable as explained previously.

**MAHONING COUNTY SOLID WASTE MANAGEMENT DISTRICT
SOLID WASTE MANAGEMENT PLAN**

**TABLE VI-5
IMPLEMENTATION SCHEDULE FOR FACILITIES, STRATEGIES, PROGRAMS
AND ACTIVITIES: DATES AND DESCRIPTION**

NAME OF FACILITY, STRATEGY, PROGRAM, OR ACTIVITY	LOCATION	DESCRIPTION OF PROGRAM OR FACILITY	APPROXIMATE DATE WHEN	
			OPERATIONS BEGIN	OPERATIONS CEASE
Opportunity to Recycle Program (Curbside)	Townships: Austintown, Boardman, Canfield, Poland; Cities: Campbell, Struthers, Canfield, Youngstown; Villages: Poland, New Middletown, Lowellville	Bi-weekly collection of paper publications, metal food and beverage cans, glass bottles, plastic containers #1-#7.	1991	2027
Opportunity to Recycle Program (Drop-off)	Entire District	Several sites may not close as indicated & others not listed may open. District commits to at least 35 sites		
Austintown Township	Trustee Bldg., 82 Ohltown Rd.	All sites: paper publications, metal food and beverage cans, cardboard, glass bottles, plastic containers #1-7.	1991	2027
Austintown Township	Trustee Park, 1075 S. Raccoon Rd.		1991	2027
Austintown Township	Fire Station, 1690 S. Turner Rd.		2006	2027
Austintown Township	Austintown Park, 6000 Kirk Rd.		2006	2027
Beaver Township	Township Bldg., 601 W. S. Range Rd.		1991	2027
Beloit Village	Fire Station, 13760 Main St.		2006	2027
Berlin Township	Township Bldg., 15823 W. Akron-Canfield Rd.	Motor oil and LAB also accepted	1991	2027
Boardman Township	Fire Station, 6169 South Ave.		1991	2027
Boardman Township	Gov. Center, 8299 Market St.		2004	2027
Boardman Township	Fire Station, 1200 Shields Rd.		1994	2027
Boardman Township	MCBDD, 160 Marwood Circle		2007	2013
Boardman Township	Sam's Club, 6361 South Ave.		2007	2027
Campbell City	351 Tenney Ave.		1991	2027
Canfield Township	McCune Park 5627 Shields Rd.		2004	2027
Canfield Township	Mill Creek MetroPark, 7574 Columbiana-Canfield Rd.		2006	2027
Canfield Township	Road Dept., 5035 Messerly Rd.		2004	2027
Coltsville Township	Township Bldg., 3737 McCartney Rd.		1991	2027
Craig Beach Village	2541 Grandview Ave.		1993	2027
Ellsworth Township	Township Bldg., 6036 S. Salem-Warren Rd.		1991	2027
Goshen Township	12649 Seacrist Rd.	Motor oil, Styrofoam, 6-pack plastic	1991	2027
Goshen Township	Township Bldg., 14003 South Range Rd.		2007	2010
Goshen Township	Damascus Fire Station, 14860 Rt. 534		2007	2027
Goshen Township	Colonial Estates, 12205 Goshen Rd.		2007	2015
Green Township	Township Bldg., 12184 Lisbon Rd.	Motor oil, Styrofoam, 6-pack plastic	1991	2027
Jackson Township	Fire Station, 229 N Salem-Warren Rd.		1991	2027
Jackson Township	Township Bldg., 10613 Mahoning Ave.		2007	2027
Lowellville Village	690 E. Water St.		2007	2027
Milton Township	Carson's Landing, 16700 Ellsworth Rd.		2007	2010
Milton Township	Township Bldg., 15992 Mahoning Ave.	LAB	1991	2027
Poland Township	Road Dept., 7508 Clingan Rd.		1991	2027
Smith Township - Sebring Village	800 N. 18th St.		1991	2010
Smith Township	Township Bldg., 846 N. Johnson Rd.		1991	2027
Springfield Township	Township Bldg., 3475 E. So. Range Rd. - temporarily closed 2011-reopen fall 2012		1991	2027
Springfield Township-New Middletown	10720 Struthers Rd., New Middletown		1991	2027
Struthers City	City Hall, 6 Elm St.		1991	2027
Struthers City	71 S. Bridge St.		2007	2027
Struthers City	Habitat Restore, 480 Youngstown-Poland Rd.		2007	2009
Youngstown State University	One University Plaza, Yo.		1998	2027
Youngstown City	Boys & Girls Club, 2105 Oakhill Ave.		2006	2027
Youngstown City	4 Seasons, 3000 McCartney Rd.		2011	2027
Youngstown City	Martin Luther Lutheran, 420 Clearmount Dr.		2005	2010
Youngstown City	McGuffey Plaza, 795 N. Garland Ave.		2006	2011
Youngstown City	ReNu, 166 S. Meridian Rd.		2005	2027
Youngstown City	South Side Annex, 2801 Market St.		2007	2013

**MAHONING COUNTY SOLID WASTE MANAGEMENT DISTRICT
SOLID WASTE MANAGEMENT PLAN**

**TABLE VI-5
IMPLEMENTATION SCHEDULE FOR FACILITIES, STRATEGIES, PROGRAMS
AND ACTIVITIES: DATES AND DESCRIPTION**

NAME OF FACILITY, STRATEGY, PROGRAM, OR ACTIVITY	LOCATION	DESCRIPTION OF PROGRAM OR FACILITY	APPROXIMATE DATE WHEN	
			OPERATIONS BEGIN	OPERATIONS CEASE
Programs as per Section IV and V				
Holiday Tree and Gift Wrap Program	Paper: all drop-offs 14 trees sites	Collection of holiday trees and gift wrap	1992	2027
Appliance Recycling Drives	8 separate drives in various locations	Collection of appliances	2006	2027
Business Recycling Program	456 separate locations	Collection of paper/OCC/metal cans/ glass bottles, plastics # 1 - # 7	2005	2027
Rural Recycling Education and Awareness	Rural communities in District	Education and awareness programs	1994	2027
School Fiber Program	84 schools in District	Recover OCC and paper	2003	2027
Leaf Collection/Composting	2009 - 5 communities in District	Collect and compost leaves	2006	2027
Private Composting Facilities Reporting	Includes private composting facilities	Serves mainly commercial sector	1991	2027
Backyard Composting Program	9 workshops held at Metro Park Farm	Instructional for backyard composting	2000	2027
Tire Recycling Drives	9 separate communities - 2009]	Collection of unwanted tires	2006	2027
Tire Centralized Container	County Engineers, Bears Den Rd., Yo.	For storage of unwanted or dumped tires	2006	2027
Illegal Tire Dumping Collection Program	Throughout District	Collection of illegally dumped tires	2006	2027
Electronics Recycling Drives	4 communities in District	Collection of unwanted electronics	2006	2027
Recycling Initiative Grants Program	District located non-profits and schools	For implementation of recycling events	2006	2010
Build America Beautiful	Throughout District	Education/awareness thru HBA	1997	2013
Community Recycling Coordinators	All drop-off site communities	Provide quarterly overflow reports	1991	2027
HHW Education and Awareness	For all District	Educate students and adults throughout the District	2000	2027
HHW Collection Event	For all District to be held in centralized location	for collection of HHW materials	2000	2027
Household Battery Collection	Throughout District	Provide bins to recycle batteries	2001	2027
LAB Recycling	Yo. scrap metal processors and 2 drop-off sites: Milton, Berlin Twp.	Provide for acceptance of LAB units	1991	2027
Website	www.greenteam.cc	Provides information/updates	2001	2027
Litter Prevention	Throughout District	Provides litter clean up opportunities. Began prior to formation of District	1986	2027
Adopt A Road Program	Throughout District	Provides opportunities for community groups such as Canfield Rotary to maintain roads in a litter-free fashion	1986	2027
YSU re:CREATE	Throughout District	Focus on reuse options	2005	2027
YSU Recycling Program	Campus and surrounding community	Focus on campus recycling/composting	2001	2027
Pay As You Throw	Throughout District	Awareness to promote variable rate	1998	2027
Litter Law Enforcement	Throughout District	Litter/illegal dumping enforcement	2005	2027
Recycling Co./Brokers/MRF	Greenstar - Poland Twp. APS MRF - North Lima private companies - throughout District	Provide processing of materials	2008	2027
Motor Oil Collection	Berlin, Goshen, Green drop-off sites & private companies throughout District	Provide for oil acceptance	2006	2027
M.C. Board of Health	Landfill communities: Smith, Springfield, Poland Townships, Closed landfills: Canfield and Green Townships	Provide for landfill inspections and well water testing	1991	2027
County/Municipal Assistance	Engineer's for roads in landfill communities and EMS - Youngstown	Provide road repair and EMS for emergency debris removal program	1991	2027
US EPA Waste Wise Program	Throughout District	Promotes residential/commercial/ industrial recycling	2005	2027
Scrap Metal Recycling	Youngstown-based facilities	Mandatory monthly recycling reports as required by City Ordinance	2005	2027
Education/Awareness Program	throughout District	Programs, events, ads, contests. Began prior to formation of District	1986	2027
Components:				
Advertisements	Throughout District on local media	TV, print ads	1986	2027
Curbside Madness Contest	Curbside communities	Competition	2009	2010
Environmental Workshops	Schools throughout District	Targeted teacher training	1986	2027
RC Training Workshops	various locations in District	Targeted community RC's	2007	2027
Placemat Contest	Schools throughout District	Targeted students to create placemats	1991	2027
Presentations	Schools and venues throughout District	All ages targeted	1986	2027
Field Trips	MRFs and landfills	School students targeted	1986	2027
Resource Library	District office	Available to all residents	1991	2027
Science Fairs	Schools in District	Targeted school students	1986	2027
Recycling Alternatives Database	www.greenteam.cc	Provides alternatives to reduce	2001	2027
Cash for Cans Contest	Schools in District	Competition	1986	2027
Green Team Jeopardy	Schools in District	Competition	2006	2027
Earth Day Activities	Schools & community groups	Awareness, includes Trash Bash	1986	2027
Green Scene	www.greenteam.cc	Quarterly e-newsletter	2009	2027
Fliers/brochures	General distribution	Targets various recycling events	1991	2027
Commercial Waste Assessments Program	Commercial entities located in District	Provide free waste assessments to motivate commercial entity officials to commence waste reduction programs	2005	2027
Industrial Strategies				
Industrial Recyclers	Youngstown-based facilities	Mandatory monthly recycling reports as required by City Ordinance	2005	2027
Industrial Waste Reduction Assessments	Industries in District	Provide free waste assessments to motivate industry officials to commence waste reduction programs	2005	2027
Materials Exchange	www.greenteam.cc	Web-based reuse initiative	2006	2027

MAHONING COUNTY SOLID WASTE MANAGEMENT DISTRICT SOLID WASTE MANAGEMENT PLAN

**TABLE VI-6
FACILITIES IDENTIFIED AND CURRENT DESIGNATIONS**

FACILITIES IDENTIFIED		FACILITIES CURRENTLY DESIGNATED	
FACILITY NAME	LOCATION	FACILITY NAME	LOCATION
Facilities Identified (accepted waste 2009) Not Designated as of Plan Submittal		American Landfill, Inc.	7916 Chapel Street, S.E. Waynesburg, OH 44688
Cleveland Transfer	7450 Oakleaf Rd. Oakwood Village, Ohio 44146	Athens/Hocking Reclamation Center	PO Box 946 Logan, Ohio 43138
Lake Co. Solid Waste Facility	2039 Blasé Nemeth Rd. Painsville, Ohio 44077	Akron Transfer Station	389 Fountain St. Akron, Ohio 44306
		Cambridge Transfer Station	4217 Glenn Highway Cambridge, Ohio 43725
		Carbon Limestone Landfill	8100 South State Line Rd. Lowellville, OH 44436
		Central Waste, Inc.	12003 Oyster Rd. Alliance, OH 44601
		Coshocton Landfill	19469 County Rd. 7 Coshocton, Ohio 43812
		County Environmental Wyandot Landfill	11164 County Rd. 4 Carey, Ohio 43316
		ETSI Transfer Facility	300 Martin Luther King Blvd. Warren, Ohio 44485
		Evergreen Landfill	2625 E. Broadway Northwood, Ohio 43619
		Imperial Landfill	11 Boggs Rd. Imperial, PA. 15126
		J&J Transfer Station	2403 Chase Rd. SE Carrollton, Ohio 44615
		Kimble Transfer Station	2295 Bolivar Rd. Canton, Ohio 44706
		Kimble Transfer Station	8500 Chamberlin Rd. Twinsburg, Ohio 44087
		Kimble Sanitary Landfill	3696 State Rd.. 39 NW Dover, Ohio 44622
		Lakeview Landfill	851 Robison Rd. East Erie, PA 16509
		Mahoning Landfill	3510 Garfield Rd. New Springfield, Ohio 44443
		Rumpke Broadview Heights Transfer Station	9191 Postal Dr. Broadview Heights, Ohio 44147
		Rumpke Noble Rd. Landfill	170 Noble Rd. E. Shiloh, Ohio 44878
		Rumpke Harvard Ave. Transfer Station	3227 Harvard Ave. Newburgh Heights, Ohio 44105
		RW Countywide Landfill	3619 Gracemont Ave. SW East Sparta, Ohio 44626
		Seneca Landfill	121 Brickyard Rd. Mars, PA. 16046
		Suburban Landfill	3415 Township Rd. 447 Glenford, Ohio 43739
		Total Waste Logistics Transfer Station CLOSED July 2011	1025 Bundy Rd. Yo. - Trumbull County, Ohio 44509

NOTE: **Bolded** facilities were added as per their request and agreement to enter into the required Designation Agreement since the original RES 94-471 and list - passed June 16, 1994.