VI. Methods of Management: Facilities and Programs to be Used [ORC Section 3734.53(A)(7)-(12)]

This section shows the total amount of waste to be managed by each method (e.g. landfilling, incineration, recycling, etc.) and names of all facilities that will be used throughout the planning period.

A. District Methods for Management of Solid Waste

Calculation of Capacity Needs

Table VI-1 illustrates the amount of waste expected to be managed by various methods throughout the planning period. "Tons of SW Generated" is obtained from Table V-4. As required by the Plan Format for consistency with Table V-4, it includes Exempt Waste. "Tons Source Reduced" is zero since both Tables V-5 and V-6 report the amount of source reduction as "unknown". Therefore, "Net tons managed by the SWMD" is equal to" Tons of SW Generated". Amount of "Recycling" is the sum of Recycling Strategies subtotals in Table V-5 (residential/commercial) and Table V-6 (industrial). "Transfer" is the amount of waste disposed at the Kelleys Island transfer station in 2000 from Table III-3, which is assumed to remain the same throughout the planning period. This waste is also included in "Landfilling" as it is disposed at the Erie County Landfill. Since BFI reports that no Erie County waste is presently being transferred at the BFI facility located in the District, and there are no plans to do so in the future, zero waste from the BFI transfer station is included in this figure. "Yard Waste Composting" and "YW Land Application" are derived from Table V-5. "Incineration" is obtained from Table V-5 only, as industrial incineration tonnages are unknown for 2007 and the tonnages will remain unknown throughout the planning period. For "MSW composting" zero is assumed due to low tonnages reported in 2007 and was added to the "Recycling Column" for the planning period. The amount to be managed by "Landfilling" is the amount of solid waste remaining after all other waste reduction methods except "Transfer" have been applied.

Table VI-1 shows a negative landfill disposal rate, this may be due to double counting of recyclables. Due to this negative number the District will use the totals on page V23 Table V-4.

Table VI-2 illustrates the amount of residential/commercial waste expected to be managed by various methods throughout the planning period. "Tons Generated" is obtained from Table V-4, "Source Reduction & Recycling" and "Composting & Land Application" from Table V-5, and "Incineration" and "Ash Disposal" from Table III-2. The amount to be managed by "Landfilling" is the amount of solid waste remaining after all other waste reduction methods have been applied. "Ash Disposal" is assumed to be landfilled, and is therefore included in "Landfilling".

Table VI-3 illustrates the amount of industrial waste expected to be managed by various methods throughout the planning period. "Tons Generated" is obtained from Table V-4 and "Source Reduction & Recycling" and "MSW Composting" was reported as a very small tonnage and added to the "Recycling Column" for the planning period. The amount to be managed by

Section VI

"Landfilling" is the amount of solid waste remaining after all other waste reduction methods have been applied.

Table V-4 was calculated as required by the Plan Format. The District would like to state that the general trend of waste disposal at the Erie County Sanitary Landfill specifically industrial solid waste has shown an average decline of 14% over the last four years. The District is estimating this loss to continue another five years before leveling at around 92,000 tons. This decrease is due to loss of industry and declining economy in the Erie County area. The District will still project revenues increasing due to Erie County Commissioners looking for out-of-county waste to keep Erie County tonnage around 100,000 tons to stay fiscally responsible for the Landfill expenses.

In order to properly plan for landfill capacity needs, the SWMD must also consider disposal of exempt waste throughout the planning period. **Table VI-3A** is provided to illustrate the amount of landfill capacity required for disposal of exempt waste each year of the planning period. "Tons Generated" is obtained from Table V-4.

B. Demonstration of Access to Capacity

Waste Management Method: Landfilling

Table VI-4 (Landfilling) lists the landfills that received solid and exempt waste from the SWMD in 2007. Throughout the planning period, the Erie County Sanitary Landfill, which is designated by the District and owned and operated by the Erie County Commissioners, is expected to receive approximately 97% of the District's landfilled waste as a result of the District's designation of the Erie County Landfill and establishment of a District-wide solid waste collection system in 1999. The remaining 3%, consisting of waste that is exempt, waived is expected to flow to the other listed landfills in varying amounts, as it did in 2006-2007. The exact distribution of the 3% among the various non-designated landfills varies from year to year. Therefore, Table VI-4 (Landfilling) simply indicates that, beyond 2007, waste receipts at non-designated landfills in total will equal no more then 10% of District landfilled waste.

Under the District's solid waste collection system, all solid waste haulers operating within the District are required to enter an agreement with the District to deliver all solid waste collected within the boundaries of the District to the Erie County Landfill unless the waste is exempt, waived, or delivered to a landfill outside the State of Ohio. In May 2002, the District renewed the agreements with all haulers for a term of five years, with an option to renew for two additional consecutive terms of two years each. In 2007, the District renewed the option with all the haulers for another two years, and is expected to do the same in 2009.

The Erie County Sanitary Landfill received approval of a PTI from Ohio EPA in July, 2002 for capacity expansion of approximately 6,823,000 cubic yards, sufficient to manage 3,992,000 tons of waste. Totaling the landfill capacity needs detailed in Table VI-4 indicates that approximately 1,913,000 net tons of capacity are needed to manage the District's total solid and exempt waste disposal throughout the planning period. Therefore the permitted capacity at the Erie County

landfill is sufficient to manage the District's total waste disposal needs throughout the fifteenyear planning period and beyond.

The Erie County Sanitary Landfill submitted an application November 15, 2006 to the Ohio EPA for the Best Available Technology (BAT) Vertical Expansion Permit-To-Install (VE PTI) for the current permitted landfill. The application for the permit details how the landfill changes from a 4:1 to a 3:1 slope. If the BAT VE PTI is approved effective January 1, 2008 there would be projected 42.7 years of remaining useful life. A letter from the Erie County Sanitary Engineer is included in Appendix G describing the construction timeline, permitted capacity, and future plans. These estimates will remain constant even with the incoming out-of-county tonnage off-setting the loss of in-county tonnage.

Waste Management Method: Recycling

Table VI-4 (Recycling) lists the businesses that currently accept recyclable materials from the SWMD, its residents and businesses, and an estimate of the amount of waste from the District that will be accepted each year of the planning period. Currently, Fultz & Son Inc. and Sandusky Steel & Supply Co. process recyclables from the District's drop-off program and Huron's curbside program, and PSC Environmental processes household batteries. Since the contracts for these programs may be awarded to other businesses throughout the planning period, amounts beyond the present year, 2008, are shown under the listing "contractor(s) for (program name)".

Collectively, the businesses listed in Table VI-4 provide adequate processing capacity for Erie County recycling throughout the planning period. Although Galloway Bros. (since 2002) do not report recycling amounts to the District, and process substantial amounts of recyclables from Erie County. Recycling figures reported by Sandusky Steel & Supply Co., Allied Waste, and Fultz & Son Inc. for 2007 are used throughout the planning period.

Allied Waste on Tiffin Avenue in Sandusky has expressed an interest of applying for the Market Development Grant through Ohio Department of Natural Resources to utilize their current transfer facility to accept recyclables from all Erie County waste haulers. The grant would supply the scale necessary to weigh in the trucks coming in with recyclables. The recyclables would be stored in semi-trailers to be transferred to the Allied Waste Recycling Facility in Oberlin, Ohio located in the Lorain County Solid Waste Management District.

Erie Blacktop located on Tiffin Avenue in Sandusky has also expressed an interest in a applying for the Market Development Grant through Ohio Department of Natural Resources to store recyclables from all Erie County waste haulers. Erie Blacktop would also like to develop the land to the south of their current asphalt plant for construction and demolition debris recycling from commercial and industrial businesses.

Christie Lane Industries located in Norwalk, Ohio (Huron County) has also expressed an interest in a applying for the Market Development Grant through Ohio Department of Natural Resources to purchase a vacant building in Huron Township (Erie County) for the purposes of operating a Material Recovery Facility. The grant would give Christie Lane Industries the needed space to operate their already successful recycling program on a larger scale. Christie Lane Industries would allow any hauler and/or resident to utilize the facility, user fees are unknown at this time. Businesses listed are in the planning stages and no formal plans have been presented to the District. The District will not be projecting any recycling numbers related to either of the businesses. The District did however, want to inform Ohio EPA of the possibilities of the businesses contacting, planning, and possibly constructing or modifying facilities during the planning period.

Waste Management Method: Transfer

The Kelleys Island transfer station is expected to operate throughout the planning period. Since the transfer station serves mainly residents on the island, not commercial businesses that generate waste from tourism, the annual amount disposed is expected to remain about the same throughout the planning period. Waste from the transfer station is disposed at the Erie County landfill, and is therefore included in the capacity needed for landfilling.

Allied Waste reports that no Erie County waste is presently being transferred at the Allied Waste transfer station shown in Table III-3 and in the future only the possibility of using the transfer facility for recyclables only.

Waste Management Method: Composting

Barnes Nursery Regional Composting Facility is the only registered, publicly available compost facility in the District, accepting residential and commercial waste (yard waste composting) and process waste from a variety of District industries (MSW composting). It has a processing capacity of 100 tons per day.

Waste Management Method: Yard Waste Land Application

The political subdivisions that use land application for disposal of leaves, brush and Christmas trees utilize a variety of outlets for the materials, primarily farm fields. Arrangements are made by the political subdivisions, not the District. The facilities used vary from year to year. Therefore, the facilities are not detailed in Table VI-4.

Waste Management Method: Incineration

Closure of the last commercial incinerator in the District was in April, 2001 (see Section III.C).

In 2007 Firelands Regional Medical Facility disposed of medical waste with the company Stericycle. Stericycle is not located within the District, but does operate an incinerator. The District was unable to acquire the amount of material from Firelands Regional Medical Facility that was incinerated by Stericycle.

C. Schedule for Facilities and Programs: New, Expansions, Closures, Continuations

Table VI-5 indicates the schedule for new facilities, expansions and closures of facilities, and new or continuing programs to be implemented or utilized by the SWMD throughout the planning period. Details of the programs are presented in Section V.E.

D. Identification of Facilities

Table VI-6 indicates the Erie County Solid Waste Management District designated the Erie County Sanitary Landfill as the sole landfill where residential/commercial and Industrial solid wastes generated within the District's jurisdiction can legally be taken to be disposed, unless the Erie County Board of County Commissioners issues a waiver for waste to go to an undesignated landfill or because the waste is not an acceptable waste:

- Free liquids of any kind (exception for liquids that pass paint filter test)
- Refrigerated appliances, such as refrigerators, freezers, dehumidifiers, air conditioners, etc. (Visit our recycling website for more information on recycling appliances.)
- Lead-acid batteries (Visit our recycling website for more information on recycling batteries.)
- Yard waste (Visit our recycling website for more information on recycling yard waste.)
- Asbestos waste
- Biomedical waste (contaminated)
- PCB waste (exception for small quantity generators as defined in RCRA)
- Radioactive waste
- All hazardous waste listed in 40 CFR 261, Subpart D (AD-listed@ RCRA)
- Any waste that exhibits hazardous waste characteristics (40 CFR 261, Subpart C)

For example, because the facility is not permitted to accept asbestos, the District allows restricted waste to leave Erie County. Evergreen Recycling and Disposal Facility in Wood County and the Port Clinton Landfill in Ottawa County are destinations in which these restricted wastes are handled. The District also has a waste waiver agreement with Republic Waste Services in which 100 tons per week from Delphi leave the County and are taken to their Ottawa Landfill.

Incidentals that leave the County are less than 25 tons per year and are usually contaminated C&DD loads.

RULE 2: REQUIREMENT FOR DISPOSAL AT THE ERIE COUNTY SANITARY LANDFILL OF SOLID WASTE GENERATED IN THE ERIE COUNTY SOLID WASTE MANAGEMENT DISTRICT.

No Person shall deliver, or cause the delivery of, any Solid Waste generated within the District to any solid waste facility other than the Landfill, the only solid waste facility designated by the Plan, or a solid waste facility outside the boundaries of the State of Ohio, unless a waiver from

this rule has been granted by the Board, in accordance with Section 343.01(I)(2) of the Ohio Revised Code. For the purpose of this rule, Solid Waste shall exclude: asbestos, yard waste, hazardous waste, Source Separated Recyclable Material, or any other Solid Waste which the Erie County Sanitary Engineer has determined is unacceptable at the Landfill.

A copy of Section II.12 of the initial District Plan is in Appendix G, and the District Rules are in Appendix I.

E. Authorization Statement to Designate

The following language authorizes the Board of Directors to designate public facilities not financed by public debt or private solid waste facilities in addition to the Erie County Sanitary Landfill by implementing the notice, hearing and ratification requirements of O.R.C. Section 343.014:

The Board of Directors of the Erie County SWMD is hereby authorized to establish facility designations in accordance with Section 343.014 of the O.R.C. after this plan has been approved by the Director of the Ohio Environmental Protection Agency.

F. Waiver Process for Undesignated Facilities

In the event that any person, municipal corporation or township wants to use a facility other than a designated facility or a facility located outside the State of Ohio for the disposal of solid waste generated within the Erie County Solid Waste District, the person, municipal corporation or township must submit a written request for a waiver of designation to the Board of Directors of the Erie County Solid Waste Management District. The request must contain the following information:

- 1. Identification of the person, municipal corporation or township requesting the waiver;
- 2. Identification of the generator of the solid waste for which the waiver is requested;
- 3. Identification of the type and quantity (in tons per year) of solid waste for which the waiver is requested;
- 4. Identification of the time period for which the waiver is requested;
- 5. Identification of the disposal facility to be used if the waiver is granted;
- 6. If the waste is to be disposed in an Ohio landfill, a letter from the Solid Waste Management District where the waste will be disposed acknowledging that the activity is consistent with that District's Plan, i.e. that waste from out-of-District is acceptable;

- 7. An estimate of the financial impact to the Erie County Solid Waste District and the Erie County landfill that would occur with issuance of the requested waiver;
- 8. An explanation of the reason for requesting the waiver.

The Erie County Solid Waste Management District staff will review the request and may request additional information if necessary. The District Board of Directors shall act on a waiver request within 90 days after receiving the request.

The Board of Directors may grant the request for a waiver if the Board of Directors determines that:

- 1. Issuance of the waiver is not inconsistent with projections contained in the District's approved Plan under Section 3734.53(A)(6) and (A)(7); and
- 2. Issuance of the waiver will not adversely affect implementation and financing of the District's approved Plan.

Only after evaluating the waiver request and finding that: 1) it is not inconsistent with Plan projections, and 2) it will not adversely affect Plan implementation and financing, may the Board of Directors issue a waiver allowing solid waste to be taken to an undesignated facility.

G. Siting Strategy for Facilities

The SWMD may employ a Siting Strategy when either of the two following situations occur: 1) the District, on property which is not adjacent to the Erie County Sanitary Landfill, intends to (a) construct, enlarge, or modify a solid waste facility; or (b) engage or authorize any person, municipal corporation, township or other political subdivision to construct, enlarge or modify a solid waste facility on behalf of the District; provided, however, any proposal by the Board of Directors to construct, enlarge or modify the Erie County Sanitary Landfill shall not be subject to this Siting Strategy; or 2) any person, municipal corporation, township or other political subdivision to construct, within the District.

All facilities, whether proposed to be sited by or on behalf of the District, or by or on behalf of any person, municipal corporation, township or other political subdivision shall comply with the Rules of the District and shall be subject to the Siting Strategy contained in the Plan or amended Plan of the District. Solid waste management facilities include all such facilities as defined in Chapter 37 of the Ohio Revised Code, including but not limited to solid waste landfills, tire monofills, transfer stations, material recovery facilities (recycling facilities), Class I, II, III or IV compost facilities, resource recovery facilities and waste-to-energy facilities.

The Siting Strategy is not applicable to the Erie County Sanitary Landfill and improvements, modifications and expansions approved by the Erie County Board of Commissioners. The Board of Directors may waive application of the Rule requiring the submission of general plans and specification and all or any portion of the Siting Strategy or otherwise grant exemptions to the

Rules of the District, or unilaterally modify or amend the Siting Strategy as the Board concludes such waiver, modification or amendment is in the best interest of the District and its residents.

The purpose and objectives of the District's Siting Strategy for solid waste facilities shall be:

- 1. To prepare and submit advisory reports to the Board of Directors on proposals to construct, enlarge or modify any solid waste facility within the jurisdiction of the District;
- 2. To encourage participation by residents of the SWMD in the siting of new solid waste facilities;
- 3. To identify and suggest solutions to minimize negative local impacts of solid waste facilities;
- 4. To confirm that proposals to construct, enlarge, or modify a solid waste facility meet local, District and Ohio EPA criteria and advise the Board of concerns that the Board may conclude should be referred to the appropriate local, District or Ohio EPA department or agency for their review, evaluation and action, if appropriate;
- 5. To ensure that proposals to construct, enlarge, or modify a solid waste facility are in compliance with the Plan or amended Plan of the District and to ensure that the proposal will not adversely affect the projections contained in the Plan or amended Plan of the District or the ability of the District to finance implementation of that Plan or amended Plan.

To facilitate implementation of the Siting Strategy the Board of Directors adopted Rule #3: REQUIREMENT FOR SUBMISSION OF PLANS FOR SOLID WASTE DISPOSAL, TRANSFER, RECYCLING OR RESOURCE RECOVERY FACILITIES TO THE BOARD OF COUNTY COMMISSIONERS on February 25, 1999, effective May 1, 1999. The Board continues to reserve authority to, and will, enforce this Rule as stated below:

Any Person proposing to construct, enlarge, or modify any solid waste transfer, disposal, recycling or resource recovery facility shall submit general plans and specifications for the proposed construction, enlargement or modification to the Board for determination by that Board of whether those plans and specifications comply with the Plan.

No Person shall construct, enlarge or modify any solid waste transfer, disposal, recycling or resource recovery facility until general plans and specification for the proposed construction, enlargement or modification have been approved by the Board as complying with the Plan.

This rule shall not apply to any facility described in Division (D) of Section 3734.53 of the Ohio Revised Code, which includes captive facilities and facilities exclusively for the disposal of wastes from the combustion of coal.

General plans and specifications shall be submitted to the attention of the Erie County Solid Waste District Coordinator, 554 River Road, P.O. Box 469 Huron, Ohio 44839. All general plans and specifications shall be clearly marked as complying with the requirements of the Rule Number 3 and Section 343.01(G)(2) of the Revised Code.

Siting Strategy for a District Facility

This strategy is applicable when the District, on property which is not adjacent to the Erie County Sanitary Landfill, intends to (a) construct, enlarge, or modify a solid waste facility; or (b) engage or authorize any person, municipal corporation, township or other political subdivision to construct, enlarge or modify a solid waste facility on behalf of the District; provided, however, any proposal by the Board of Directors to construct, enlarge or modify the Erie County Sanitary Landfill shall not be subject to this Siting Strategy. The Board may employ the following Siting Strategy to:

- 1. Assess and compare proposed facility sites, if multiple sites are proposed, for consideration by the Board;
- 2. Identify methods to minimize local negative impacts;
- 3. Identify concerns regarding compliance with Ohio EPA siting criteria and advise Ohio EPA of such concerns for Ohio EPA review, evaluation and action, if appropriate;
- 4. Advise the Board on issues of concern regarding whether the proposal complies with the Plan or amended Plan of the District.

The siting strategy for solid waste facilities sited by or on behalf of the District includes the following steps:

Step 1: Convene Siting Committee

When the Board of Directors determines that the assistance of a Siting Committee would be helpful in reviewing proposals to construct, modify or enlarge a solid waste facility, the Board will notify the District Coordinator to convene the Siting Committee and thereafter to facilitate the activities of the Siting Committee.

The membership of the Siting Committee will include seven members:

- 1. One representative appointed by the Board of Directors to represent the Board of Directors;
- 2. One representative appointed by the Board of Health;
- 3. One representative of local industrial/commercial waste generators appointed by the Erie County Chamber of Commerce;

- 4. One representative appointed by the Erie County Sanitary Engineer;
- 5. Three representatives of the public interest to be appointed by the Board of Directors. The three public representatives must reside within the jurisdiction of the District, and at least one public representative must reside within the city, village, or township where the proposed site(s) is (are) located.

Any person affiliated with, or related to a person working for or having ownership with any landfill, compost facility, recycling facility, resource recovery facility, waste-toenergy facility or waste hauling firm will not be eligible for appointment to the Siting Committee as a representative of local waste generators or the public. The members of the Siting Committee representing the Board of Directors, Board of Health and industrial/commercial waste generators will serve two-year terms. The other appointed members will serve one-year terms. Members may be reappointed for consecutive terms. The members will select a Chairman and Vice-Chairman. The District Coordinator shall serve as Secretary. Appointment of the members of the Siting Committee should be complete within 30 days after the Board of Directors determines that a Siting Committee would be helpful in evaluating a proposal for the construction, modification or enlargement of a solid waste facility.

The Siting Committee will review proposed sites, permit applications and general plans and specifications, and prepare a report to the Board of Directors within 180 days of the appointment of representatives to the Siting Committee. The Board of Directors will have 60 days to review the report of the Siting Committee and make a determination of whether a proposed facility complies with the Plan.

Step 2: Survey proposed sites

The Siting Committee shall compile the following information for consideration of each proposed site:

- 1. Current Ohio Solid waste regulations (O.A.C 3745-27, 3745-30, and 3745-37) and siting criteria applicable to the proposed facility;
- 2. SWMD Plan or amended Plan projections, implementation schedule and methods to finance implementation of the Plan or amended Plan;
- 3. Local land use data applicable for each proposal, which may include, but is not limited to:

political jurisdictions location of rivers and streams location of wetlands soil associations drainage patterns floodplains public water systems wellhead protection areas

Section VI

endangered and threatened species active and abandoned mines aquifer boundaries seismic impact zones airport locations glacial drift thickness zoning restrictions location of population centers hauling distances and economics transportation routes and emergency services local land acquisition location of historical or archaeological sites conservancy districts parks, state and national forests, nature preserves wildlife areas, scenic rivers

If appropriate, Ohio EPA's District Office may be contacted to conduct a preliminary site investigation.

Step 3: Evaluate Sites

It is recommended that the members of the Siting Committee visually inspect the proposed site(s) as part of the Committee's evaluation.

After compiling the above information, the Siting Committee will:

- 1. Review the general plans and specifications and other information collected by the Siting Committee, and identify concerns regarding whether the proposal satisfies local, District and Ohio EPA criteria, and advise the Board of concerns that the Board may conclude should be referred to the appropriate local, District or Ohio EPA department or agency for their review, evaluation and action, if appropriate;
- 2. Evaluate each site's positive and negative impacts in the relevant land use areas listed above;
- 3. Review, evaluate and identify any concerns regarding whether the proposal complies with the requirements of the Plan or amended Plan of the District.

Step 4: Rank Sites

When multiple sites are proposed, the Siting Committee will evaluate and prepare a report regarding each proposed site. The Siting Committee may wish to rank each proposed site using an evaluation matrix listing relevant ranking criteria with a relative weight assigned to each. By assigning a numerical score to each criterion, multiplying the score by the weight, and totaling the weighted scores for each site, the Siting Committee can determine a numerical score for each site.

The evaluation matrix prepared by the Siting Committee may be used by the Board in its evaluation of the merits of multiple site proposals. Or the Board may modify the evaluation matrix based upon the Board's assessment of the relevant criteria and their importance. The evaluation matrix shall constitute only one factor that the Board may consider in evaluating proposals for compliance with the Plan or amended Plan.

Step 5: Prepare and Submit Report to the Board of Directors

The Siting Committee will prepare and submit an explanatory report to the Board of Directors including concerns, recommendations and areas where the Siting Committee could not reach a majority opinion.

Step 6: Addressing Areas where a Majority Opinion could not be reached

At the conclusion of the Siting Committee evaluation process for District facilities, the Board will determine if mediation would be helpful to resolve issues of significant concern to the Board, the Siting Committee, or District residents. A mediator or facilitator may be employed by the Board to meet with representatives of the District and its residents to explore such issues and concerns. The mediator/facilitator shall provide a report to the Board regarding outstanding issues, concerns and suggestions regarding their resolution. The mediator/facilitator may be the same consultant employed by the Board, if any, to assist the Board and Siting Committee in implementing this Siting Strategy.

Siting Strategy for a Non-District Facility

This strategy is applicable when any person, municipal corporation, township or other political subdivision proposes to construct, enlarge, or modify a solid waste facility within the jurisdiction of the District. If any entity other than the District proposes to construct, enlarge, or modify a solid waste facility within the jurisdiction of the District, that person, municipal corporation, township or other political subdivision shall submit general plans and specifications to the Board for a determination by the Board of whether the proposal complies with the District's Plan. The Board of Directors may employ the following siting strategy to:

- 1. identify and suggest strategies to minimize local negative impacts;
- 2. determine compliance with the District Plan or amended Plan.

The siting strategy for facilities proposed by or on behalf of persons other than the District shall include the following steps:

Step 1: Convene Siting Committee

If the Board of Directors determines that the assistance of a Siting Committee would be helpful in evaluating proposals to construct, modify or enlarge a solid waste facility within the District, the Siting Committee shall be convened in the same manner as a Siting Committee for a District facility. The schedule for completion of the siting strategy steps shall also be the same as the schedule for a District facility.

Step 2: Survey proposed sites

Any person, municipal corporation, township or other political subdivision proposing to construct, modify, or enlarge a solid waste facility shall provide to the Siting Committee or the Board, as required:

- 1. General plans and specifications of the proposed facility;
- 2. Local land use data as required for a District facility. The person, municipal corporation, township or other political subdivision shall compile the data on a general map of the area.

Step 3: Review proposed plans

The Siting Committee shall:

- 1. Conduct a review of the general plans and specifications and other information compiled by the Siting Committee to determine if the proposed facility will affect capacity goals, solid waste management objectives and funding for implementation of the Plan or amended Plan;
- 2. Conduct a review of each proposal to construct, modify or enlarge a solid waste facility to determine if the proposed facility will create or increase negative local impacts. The site evaluation matrix format, described for District facilities, may be used to clarify the Siting Committee's evaluation of the proposed site(s);
- 3. If appropriate, Ohio EPA's District Office may be contacted to conduct a preliminary site investigation.

Step 4: Report Preparation

Upon the conclusion of the review, the Siting Committee shall prepare and submit an explanatory report to the Board of Directors based upon the results of the evaluation matrix, if performed, and other factors evaluated by the Siting Committee. The report shall include areas where the Siting Committee could not reach a majority opinion.

H. Contingencies for Capacity Assurance and District Program Implementation

Since the Erie County Landfill has received approval of its PTI for capacity expansion of approximately 6,823,000 cubic yards, sufficient to manage 3,992,000 tons of waste. There is a very low level of uncertainty associated with the demonstration of access to capacity for the years of the planning period. The approved capacity is nearly one and a half the District's entire landfill disposal needs of 2,673,460 tons for the planning period without knowing the outcome of the Best Available Technology (BAT) Vertical Expansion Permit-To-Install (VE PTI) for the current permitted landfill.

As a contingency for circumstances other than disposal capacity, the District Policy Committee will consider and select an alternative, at such time as it is needed, which will enable the District to be in substantial compliance with Goal #1, as described in Section VII. The criteria that will be used by the District to determine when an alternative should be implemented include the following:

- 1. Delay of implementation of a program (listed in Table VI-5) more than one year beyond the implementation date, with no substantial progress toward implementation that substantially reduces the likelihood of achieving the Plan goals;
- 2. Discontinuation or reduction of an existing program that substantially reduces the likelihood of achieving the Plan goals;
- 3. A reduction in capacity availability of twenty percent or more at any designated facility that receives twenty percent or more of the District's waste.

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Section VI

L'able VI-1				Waste Ma	inagement	Waste Management Methods Use	d and Processing	ng		
(Net Tons to							
Vear	Tons of SW	Tons Source	be Managed			YW	YW Land		MSW	
2016	111 211	0		124 524	1 TallSTel	Composting	Application	Incineration	Composting	Landfilling
0102	111,211		111,211	134,534	79	6,406	0.00	unknown	0	-29,650
2017	111,340	0	111,340	129,955	79	6,406	0.00	unknown	0	-24,942
2018	111,470	0	111,470	125,701	79	6,406	0.00	unknown	0	-20,558
2019	111,600	0	111,600	121,769	79	6,406	0.00	unknown	0	-16.497
2020	111,730	0	111,730	118,160	79	6,406	0.00	unknown	0	-12.758
2021	111,860	0	111,860	114,877	79	6,406	0.00	unknown	0	-9,345
2022	111,990	0	111,990	111,929	79	6,406	0.00	unknown	0	-6,266
2023	112,120	0	112,120	109,325	79	6,406	0.00	unknown	0	-3.532
2024	112,251	0	112,251	107,084	79	6,406	0.00	unknown	0	-1.160
2025	112,381	0	112,381	105,227	79	6,406	0.00	unknown	0	\$28
2026	112,512	0	112,512	103,783	79	6,406	0.00	unknown	0	2,402
2027	112,643	0	112,643	102,791	79	6,406	0.00	unknown	0	3.525
2028	112,774	0	112,774	102,297	79	6,406	0.00	unknown	0	4,150
2029	112,905	0	112,905	102,359	79	6,406	0.00	unknown	0	4.219
2030	113,036	0	113,036	103,050	79	6,406	0.00	unknown	0	3.659
2031	113,159	0	113,159	104,458	79	6,406	0.00	unknown	0	2 374

Capacity Needed for Each year of the Planning Period

Assumptions: Sample Calculation: Landfilling = Net Tons to be Managed – Recycling + Transfer - Yard Waste Composting - YW Land Application - Incineration - MSW Composting -29,650 = 111,211 - 134,534 + 79 - 6,406 - 0 - 0 - 0 - 0 Exempt waste is included in "Net tons to be managed by SWMD" and will be managed by landfilling Incineration is net of ash disposal.

Section VI

Erie County Solid Waste Management District

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Summary for Residential/Commercial Waste Management Methods

	Residential/Con	nmercial Waste N	Residential/Commercial Waste Management Methods		
	Source Reduction		Composting $\&$		
Tons Generated	& Recycling	Incineration	Land Application	Landfilling	Ash Disposal
104,970	23,036.14	unknown	6,406	75,528	0
105,743	23,712.05	unknown	6,406	75,625	0
106,578	24,449.77	unknown	6,406	75,722	0
107,485	25,260.15	unknown	6,406	75,819	0
108,479	26,156.16	unknown	6,406	75,916	0
109,573	27,153.36	unknown	6,406	76,014	0
110,788	28,270.36	unknown	6,406	76,111	0
112, 144	29,529.50	unknown	6,406	76,209	0
113,670	30,957.52	unknown	6,406	76,307	0
115,397	32,586.49	unknown	6,406	76,404	0
117,363	34,454.86	unknown	6,406	76,502	0
119,615	36,608.73	unknown	6,406	76,600	0
122,208	39,103.39	unknown	6,406	76,698	0
125,208	42,005.15	unknown	6,406	76,797	0
 128,694	45,393.56	unknown	6,406	76,895	0
132,757	49,364.01	unknown	6,406	76,987	0

Landfilling = Tons Generated - Source Reduction & Recycling - Composting & Land Application - Incineration + Ash Disposal 75,528 = 104,970-23,036 - 0 - 6,406 - 0 + 0 Ash disposal is by landfilling Sample Calculation: Assumptions:

Table VI-3	VI-3	S	ummary for In	Summary for Industrial Waste Management Methods	Ianagement N	Aethods
		Industrial Wa	Industrial Waste Management Methods	nt Methods	X	
		Source		Composting &		
		Reduction		Land		Ash
Year	Tons Generated	& Recycling	Incineration	Application	Landfilling	Disposal
2016	227,666	122,574	unknown	0	105,092	0
2017	216,283	116,445	unknown	0	99,837	0
2018	205,468	110,623	unknown	0	94,845	0
2019	195,195	105,092	unknown	0	90,103	0
2020	185,435	99,837	unknown	0	85,598	0
2021	176,164	94,845	unknown	0	81,318	0
2022	167,355	90,103	unknown	0	77,252	0
2023	158,988	85,598	unknown	0	73,390	0
2024	151,038	81,318	unknown	0	69,720	0
2025	143,486	77,252	unknown	0	66,234	0
2026	136,312	73,390	unknown	0	62,922	0
2027	129,496	69,720	unknown	0	59,776	0
2028	123,022	66,234	unknown	0	56,787	0
2029	116,870	62,922	unknown	0	53,948	0
2030	111,027	59,776	unknown	0	51,251	0
2031	105,476	56,787	unknown	0	48,688	0

Landfilling = Tons Generated - Source Reduction & Recycling - MSW Composting - Incineration + Ash Disposal 105,092 = 227,666 - 122,574- 0 - 0 + 0 Composting was a small amount in reference year and considered in Source Reduction & Recycling Sample Calculation: Assumptions:

VI-17

Section VI

Section VI

Table VI-3A	VI-3A	•1	Summary for F	Summary for Exempt Waste Management Methods	anagement M	[ethods
		Exempt Was	Exempt Waste Management Methods	t Methods		
		Source Reduction		Composting & Land		Ash
Year	Tons Generated	& Recycling	Incineration	Application	Landfilling	Disposal
2016	25,309	0	0	0	25,309	0
2017	25,342	0	0	0	25,342	0
2018	25,374	0	0	0	25,374	0
2019	25,407	0	0	0	25,407	0
2020	25,439	0	0	0	25,439	0
2021	25,472	0	0	0	25,472	0
2022	25,505	0	0	0	25,505	0
2023	25,570	0	0	0	25,570	0
2024	25,603	0	0	0	25,603	0
2025	25,636	0	0	0	25,636	0
2026	25,668	0	0	0	25,668	0
2027	25,701	0	0	0	25,701	0
2028	25,734	0	0	0	25,734	0
2029	25,767	0	0	0	25,767	0
2030	25,798	0	0	0	25,798	0
2031	25,798	0	0	0	25,798	0

Landfilling = Tons Generated - Source Reduction & Recycling - MSW Composting - Incineration + Ash Disposal 25,309 = 25,309 - 0 - 0 - 0 + 0 Sample Calculation:

Assumptions:

Section VI

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Waste Management Method: Landfilling

Facilities Used by District: Name and Location (County and State)	AMDWRL	Years	Data Source	Gross	Net	2016	2017	2018
Erie County Sanitary Landfill Erie County, Ohio	800 TPD	40	Erie County Sanitary Engineer	6,840,000	5,927,589 107,259 106,961	107,259	106,961	1 106,559

2031	86,059
2030	89,706
2029	92,749
2028	95,307
2027	97,458
2026	99,270
2025	100,796
2024	102,084 100,796 99,270
2023	04,091 103,171
2022	104,091
2021	104,869
2020	06,086 105,527 104,869
2019	106,086
	2020 2021 2023 2024 2025 2026 2028 2039 2030

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Table VI-4 A	Waste Management Method: Recycling	nagement	Method: I	Recycling			
	2013	2014	2015	2016	2017	2018	2019
Republic Waste Services	850.43	841.93	833.51	825.17	816.92	808.75	800.66
Contractors for SWMD HHW	14.55	14.55	14.55	14.55	14.55	14.55	14.55
Contractors for SWMD Batteries	3.78	3.86	3.93	4.01	4.09	4.17	4.26
Contractors for SWMD Drop-off	529.75	540.35	551.15	562.17	573.42	584.89	596.58
Contractors for SWMD Tires	22.22	22.66	23.12	23.58	24.05	24.53	25.02
Galloway Brothers							
Sandusky Steel & Supply Co							
Industrial Recycling	122,574.00	116,445.30	122,574.00 116,445.30 110,623.04 105,091.88 99,837.29 94,845.42 90,103.15	105,091.88	99,837.29	94,845.42	90,103.15
Total	123,994.73	117,868.64	123,994.73 117,868.64 112,049.29 106,521.37 101,270.32 96,282.32 91.544.23	106,521.37	101,270.32	96,282.32	91.544.23
					ì		

Table VI-4 A (Continued)

Waste Management Method: Recycling

2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
792.66	784.73	776.88	769.11	761.42	753.81	746.27	738.81	731.42	724.11	716.86	709.70
14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55
4.34	4.43	4.52	4.61	4.70	4.79	4.89	4.99	5.09	5.19	5.29	5.40
608.52	620.69	633.10	645.76	658.68	671.85	685.29	66.869	712.97	727.23	741.78	756.61
25.52	26.03	26.55	27.09	27.63	28.18	28.74	29.32	29.91	30.50	31.11	31.74
85,598.00	85,598.00 85,598.00 81,318.10	81,318.10	77,252.19	77,252.19 73,389.58 66,234.10 62,922.39 59,776.27	66,234.10	62,922.39	59,776.27	56,787.46	53,948.09	56,787.46 53,948.09 51,250.68	48.688.15
87,043.58	87,043.58 87,048.43 82,773.70	82,773.70	78,713.31	78,713.31 74,856.56 67,707.28 64,402.13 61,262.93 58,281.40 55,449.67 52,760.28	67,707.28	64,402.13	61,262.93	58,281.40	55,449.67	52,760.28	50,206.14

Section VI

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Table VI-4 B	~		F	Waste M	anageme	nt Metho	Waste Management Method: Transfer	•				
Facilities Used by					>		T	ons of SW &	Tons of SW & Exempt Managed by Each Facility	aged by Eacl	ı Facility	
District:			 Remaining Capacity	Capacity								
Name and Location				Airspace	Airspace (cubic yards)		2013					
(County			 Data				Reference					
and state)	AMDWRL	L Years	 Source	Gross	Net		Year	2014	2015	2016	2017	2018
Kelleys Island												
Transfer												
Station												
(Erie Co.,												
(HO							41.01	41.01	41.01	41.01	41.01	41.01
Totals							41.01	41.01	41.01	41.01	41.01	41.01
Table VI-4 B (Continued)	3 (Continue	ed)	F	Waste M	anageme	nt Metho	Waste Management Method: Transfer					
					0							

I able VI-4	lable VI-4 B (Continued)	ued)		Waste	Waste Management Method: Transfer	ent Method	1: Transfer					
2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01
41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01	41.01

Section VI

Erie County solid Waste Management District

TADIE VI-4 C	5				AV ASLE IVI	waste Management Method: rard waste & MSW Composting	INTERTION	I alu v	V as the of I	NID W CU	III DOSLIII
Facilities						Tons	of SW &	Exempt M	Tons of SW & Exempt Managed by Each Facility	Each Facil	ity
Used by											
District:			Remaining	Remaining Capacity			4				
Name and				Airspace (cubic	e (cubic		2	1			
Location				yar	yards)	2013					
(County and state)	AMDWRL	Years	Data Source	Gross	Net	Reference Year	2014	2015	2016	2017	2018
Barnes											
Nursery											
Regional											
Composting											
Facility											
(Erie Co.,											
(HO						6,406	6,406	6,406	6,406	6,406	6,406
Totals		6				6,406	6,406	6,406	6,406	6,406	6.406

Table VI-4 C (Continued)	C (Contin	(peni			Waste M	lanageme	Waste Management Method: Yard Waste & MSW Composting	d: Yard V	Waste &]	MSW Col	mposting		
Facilities Used by District:													
Name and Location			-		Tons of	SW & Exer	Tons of SW & Exempt Managed by Each Facility	ed by Each	Facility				
(County and state)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Barnes Nursery Regional													
Composting Facility													
(Erie Co.,	2012	2012	201.2	207.2	707.7								
	0,400	0,400	0,400	0,400	0,400	0,400	0,400	0,400	0,400	0,400	6,406	6,406	6,406
Totals	6,406	6,406	6,406	6,406	6,406	6,406	6,406	6,406	6,406	6,406	6,406	6,406	6,406

Section VI

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Table VI-4 D	4 D				Waste N	Janagem	Waste Management Method: YW Land Application	WY :bo	Land App	plication
					Ton	s of SW &	Tons of SW & Exempt Managed by Each Facility	anaged by	Each Facili	ity
		Remaining	Remaining Capacity							
			Airspac yar	Airspace (cubic yards)	2013					
AMDWRL	Years	Data Source	Gross	Net	Reference Year	2014	2015	2016	2017	2018
					43.00	43.86	44.74	45.63	46.54	47.48
					43.00	43.86	44.74	45.63	46.54	47.48

	2031	61.41	61.41
	2030	60.21	60.21
	2029	59.03	59.03
	2028	57.87	57.87
Facility	2027	56.74	56.74
Tons of SW & Exempt Managed by Each Facility	2026	55.63	55.63
npt Manage	2025	54.53	54.53
SW & Exer	2024	53.47	53.47
Tons of	2023	52.42	52.42
	2022	51.39	51.39
	2021	50.38	50.38
	2020	49.39	49.39
	2019	48.42	48.42

Waste Management Method: YW Land Application

Table VI-4 D (Continued)

Section VI

Table VI-4 E	V	Vaste N	lanagen	nent M	ethod	Waste Management Method: Incineration	tion				
						F	Tons of SW & Exempt Managed by Each Facility	¿ Exempt M	anaged by I	Each Facility	~
Facilities Used by District:		Re	Remaining Capacity	Capacity	7						
				Airspace (cubic	ace						
Name and Location				yards)	ls)	2013					
			Data			Reference					
(County and state)	AMDWRL Years	Years	Source	Gross	Net	Year	2014	2015	2016	2017	2018
Firelands Hospital to Stericvcle										4 5 1	
(Erie Co., OH to Unknown						Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Totals						Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

	1 adle VI-4 E (Continued)	M	aste Mani	agement N	Iethod: I r	Waste Management Method: Incineration	u						
Facilities Used by District:													
Name and Location					Tons of	SW & Exer	Tons of SW & Exempt Managed by Each Facility	d by Each F	acility				
ity and									,				
state)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Firelands Hospital				2									
to Stericycle												×	
(Erie Co., OH to													
Unknown Un	Unknown	Unknown Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Totals Un	ıknown	Unknown Unknown Unknown Unknown Unknown	Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

Table VI-5	Implementation Schedule for Facilities Strategies, Programs, and Activities: Dates and Description	Schedule for Facilities nd Activities: Dates and Des	cription	
			Amray Date when the t	Annrov Nate when the following will take alore.
Name of Facility, Strategy, Program or Activity	Location (SWMD, County, City/townshin)	Description of Facility or Program	Onerations Reain	Ouror mig will take place.
FACILITIES :	(deverage is an i far a f farma a	1111 19 1 T TA		Upti auturis Cease
Erie County Landfill Expansion	Milan Twp., Erie County	Construction of additional permitted capacity totaling 1,228,534 cy	10-Jun-13	Ongoing
PROGRAMS:				
New Recycling Education & Awareness Program	Erie County SWMD	Establishing an Education & Awareness Plan to address the five target audiences as stated in V. E.	2016	
Existing SWMD Drop-off program	Erie County SWMD	District-wide dropoff program		Five locaitons down to 1 location at the Erie County Landfill
Existing School Recycling Program	Erie County SWMD	Recycling Program utilized by the eight school districts to recycle at their locations.		Ongoing
Existing SWMD special collections	Erie County SWMD	Collections of materials not accepted in usual recycling programs; materials vary with markets		Ongoing
Existing City of Huron curbside	City of Huron	Curbside recycling funded by City of Huron		Ongoing

Section VI

Erie County Solid Waste Management District

Erie County Solid Waste Management District	ict 	_	Section VI)	
New Curbside Recycling Initiative	Huron Township, Perkins Township, City of Sandusky, and Vermilion Township	Curbside recycling funded by the residents	2016	Ongoing	
Existing/New Bin Loan Program	Erie County SWMD	Secure grant funding to extend the bin loan program		Ongoing	
Existing recycling information program	Erie County SWMD	SWMD education & awareness activities		Ongoing	
NewWeb site	Erie County SWMD	SWMD Web-based education & awareness activities	2016	Ongoing	
Existing list of legal tire recycling opportunities	Erie County SWMD	List of legal scrap tire recycling & disposal opportunities		Ongoing	
Existing Tire Recycling Program	Erie County SWMD	Residents pay a user fee at the Erie County Sanitary Landfill to recycle their tires		Ongoing	
Existing list of LA battery recycling opportunities	Erie County SWMD	List of legal lead acid battery recycling opportunities		Ongoing	
Existing list of legal used oil recycling opportunities	Erie County SWMD	List of legal used oil recycling opportunities		Ongoing	
Existing HHW information program	Erie County SWMD	Informational assistance addressing HHW		Ongoing	
Existing HHW Collection	Erie County SWMD	June-October last Saturday of each month for Erie County residents		Ongoing	
Existing HH Battery Collection	Erie County SWMD	SWMD household battery recycling program		Ongoing	
New Recycled content purchasing program	Erie County SWMD	Program to encourage government and school purchases of recycled content materials	Next Planning Period	Ongoing	
		VI-26			

	Ongoing	Ongoing	Ongoing	Ongoing		Ongoing
Section VI			2017			
	Privately owned, publicly available Class II compost facility	Land application of yard waste by townships, villages, cities	Utilize annual survey of industries to distribute source reduction information	Utilize existing communication channels to inform industries of pertinent waste reduction opportunities	Update and publish the Erie County Guide to Recycling for	Homes & Businesses on Web site
ct	Huron Twp., Erie County	Erie County	Erie County SWMD	Erie County SWMD		Erie County SWMD
Erie County Solid Waste Management District	Barnes Regional Compost Facility	Land Application of Yard Waste	New Utilize annual industrial survey to distribute source red. information	Existing Distribute recycling information for industries through existing channels	Existing	Update Guide to Recycling for Business

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Section VI

Table VI-6.

Facilities Identified and Current Designations

	-				_	_	-	_
	Pavilition Councelly Dail 1	surry Designated	I neation (SWMD State)	and other of monant	Frie County OH	LIN COULLY, UII	Lucas County, OH	
	Tavilition	T autility Culles	Facility Name		Erie County Sanitary Landfill		Evergreen	
	Facilities Identified		Location (SWMD, State)					
			Facility Name					