

APPENDIX G

Documentation of Provision of Services and Capacity

erie county
DEPARTMENT
OF
environmental services

Tuesday, September 15, 2015

Lisa Beursken, Coordinator
Erie County Solid Waste Management District
554 River Road, PO Box 469
Huron, Ohio 44839

RE: ERIE COUNTY SANITARY LANDFILL LIFE CALCULATIONS

Dear Ms. Beursken,

Erie County received a Permit-To-Install (PTI) from the Ohio Environmental Protection Agency (OEPA) in 2002 for the Erie County Sanitary Landfill. The total capacity covered by this permit equals approximately 6,840,000 gross cubic yards of waste or 3,991,743 net tons of waste disposal and a useful life of 40 years. The application for the permit details how this capacity will be constructed in phases. The footprint for phases 1 and 2 has been constructed. Currently we are filling in Phase 3, which is constructed in vertical lifts over phases 1 and 2.

The Erie County Sanitary Landfill submitted an application November 15, 2006 to the OEPA 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. The requested BAT VE PTI modification was submitted and approved by the Ohio EPA. Waste receipts for period January 1st – December 31st 2014 totaled 134,706 tons which equates to 32.1 years of remaining permitted life.

Attached is the 2014 OEPA Annual Operating Report which shows volume and life calculations based on 440 tons per day which was the Average Daily Waste Receipt in 2014 with a site density of .72tons/cy or 1,431 lbs/cy.

Sincerely,



Bryan Gill
Erie County Sanitary Landfill Superintendent

ADMINISTRATION-SANITARY ENGINEER
ENGINEERING DIVISION
ENVIRONMENTAL MONITORING DIVISION
SOLID WASTE DIVISION
WASTEWATER TREATMENT DIVISION
WASTEWATER COLLECTION DIVISION
P.O. Box 469
554 River Road
Huron, OH 44839
TEL: (419) 433-7303
FAX: (419) 433-6214
EMAIL: does@erie-county-ohio.net

BILLING DIVISION
P.O. Box 549
2900 Columbus Avenue
Sandusky, Ohio 44870
TEL: (419) 627-7638
EMAIL: billing@erie-county-ohio.net

LANDFILL DIVISION
10102 Hoover Road
Milan, Ohio 44846
TEL: (419) 433-5023
FAX: (419) 433-6669
FAX: (419) 627-7620
Landfill@erie-county-ohio.net

WATER DIVISION
2614 Columbus Avenue
Sandusky, Ohio 44870
TEL: (419) 627-7666
FAX: (419) 627-7529
EMAIL: water@erie-county-ohio.net

WEB: <http://www.erie-county-ohio.net/does/does.htm>



Division of Materials and Waste Management
 Facility Annual Report for Landfill Facilities: Municipal, Industrial, and Residual

Facility Annual Operational Report for 2014

Directions: This report must be submitted to Ohio EPA by April 1, 2015. Please send 2 copies to the appropriate Ohio EPA District Office and one copy to the appropriate local health department. If you have any problems with or questions about this form, please contact your Ohio EPA District Office. Unless otherwise noted, all responses should represent the 2014 calendar year.

E-DOCUMENT INFORMATION

Doctype: Report
 Secondary ID: MSWL018741 (See instructions on last page)
 Facility Name: Erie County Sanitary Landfill
 County: Erie
 Program*: MSWL
 Classification: Annual Report

* MSWL = Municipal, ISWL = Industrial, RSWL = Residual

1. FACILITY INFORMATION

Solid Waste Facility Name:	Erie County Sanitary Landfill	Is this facility government owned?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Facility Type:	<input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Residual		
Core ID (See Licensed Facility Lists in Appendix):	13359	Ohio EPA District*:	NWDO
Ohio Solid Waste Management District: Erie County Solid Waste Management District			
Address of the Physical Location of the Facility:	10102 Hoover Road		
City/Township:	Milan	Zip:	44846 - 9711

* CDO = Central District; NEDO = Northeast District; NWDO = Northwest District; SEDO = Southeast District; SWDO = Southwest District

2. PERSON COMPLETING THIS REPORT

Name: Neal Clark	Job Title: Project Engineer
Address: 1800 Indian Wood Circle	
City: Maumee	State: Ohio
Phone: (419) 891 - 2222	Zip: 43537
Fax Phone: (419) 891 - 1595	
E-Mail Address: nclark@manniksmithgroup.com	
Business Relationship to the licensee*: Consultant	
Signature:	Date: 3/31/2015

*NOTE: Examples of business relationships to the licensee would be: employee, co-owner, consultant, legal counsel, etc.

<input type="checkbox"/> Entered ____/____/____	PLEASE DO NOT WRITE BELOW THIS LINE	Program: _____
Initials: _____		County: _____
		Fac/Entity: _____
		Subcategory: _____

3. SOLID WASTE FACILITY OPERATIONAL STATUS

Please indicate the status of operation during calendar year 2014. Check all that apply.

<input checked="" type="checkbox"/>	Check here if facility accepted waste in 2014	<input type="checkbox"/>	Check here if facility permanently ceased receiving waste and Ohio EPA notified in accordance with OAC 3745-27-11, 3745-29-11, or 3745-30-09.
Dates operated : From: 1/1/2014 To: 12/31/2014			
<input type="checkbox"/>	Check here if facility was inactive in 2014*	Date facility ceased taking waste: (mm/dd/yyyy):	
Dates facility was inactive From To			

*For purposes of this form, "inactive" means that a facility with remaining approved capacity and/or a current license that has temporarily ceased receiving waste but has not begun closure activities.

4. FACILITY ACCESS

- A. Are there any service area restrictions on who may use the facility? ☒ YES ☐ NO

If you answered "YES" above, then in the space below, please specify the service area restrictions:

Waste disposal privileges are limited to waste generated in Erie County with the exception of waivers approved by the Erie County Board of Commissioners

- B. Did this facility receive any waste in 2014 that was transported by rail? ☐ YES ☒ NO

If you answered "Yes" to question B, was the waste (select all that apply):

- ☐ Off-loaded from rail cars on-site (within the facility's boundaries)
☐ Off-loaded from rail cars off-site and then trucked into the facility
☐ Other method of receiving waste via rail (describe):

5. MEASURING WASTE RECEIPTS

Indicate the method of measuring incoming waste at the gate. Check all that apply.

<input type="checkbox"/>	*Visually (by volume in cubic yards). Please provide the conversion factor(s):
<input checked="" type="checkbox"/>	Scales (by weight in tons)
<input type="checkbox"/>	By capacity of hauling vehicle

* **Conversion Factor:** All waste receipts must be reported on this report in tons. If your facility measures waste receipts by volume (e.g. cubic yards) and then converts this information into tons for purposes of this report, then provide the conversion factor(s) in the space(s) provided.

WASTE FLOW DATA TABLES (Sections 6 and 7) -- INSTRUCTIONS

Please read the instructions for sections 6 and 7 very carefully before you begin filling out the waste flow tables. Direct-hauled waste must be entered separately from transferred waste: Section 6 deals solely with waste hauled directly to the facility and Section 7 deals exclusively with waste that originated from a solid waste transfer station and/or that was shipped via rail.

General Instructions:

Convert all waste to TONS and report only in tons in Sections 6 and 7. If a conversion factor is used to determine tonnage, please provide the conversion factor(s) where indicated in Section 5.

The tables in this form may be reproduced as necessary. Instructions for editing this form in MS Word are provided in Appendix AA. (Please note: The Adobe PDF version of the form is not editable)

Note on using the "Sum" function in Tables: Remember that the Word document must be "protected" in order to enable the sum function in the tables to work. Please see Appendix AA for more information on protecting the form.

6. DIRECT-HAUL WASTE

IMPORTANT: PLEASE DO NOT REPORT RAIL-TRANSPORTED WASTE IN SECTION 6. Rail transported waste is considered transferred waste.

Completing Section 6 – Direct-Haul Waste

Direct –Haul Waste – refers to waste that was hauled directly from a collection point to the facility for disposal and that was not consolidated or transferred to another vehicle before this facility received it.

Instructions for completing the tables in Section 6 are shown below:

Please use 1 row in each table for each county of origin to report waste that was directly hauled to your facility in this section. Delineate waste by category as indicated in the tables. If the waste originated from outside the United States then report the origin by country. See Appendix AA for origin codes and additional explanations on definitions used in Section 6.

Table 6.1: Subtotal Direct-Haul waste by **in-district county** of origin as directed in table 6.1.

Table 6.2: Subtotal Direct-Haul waste by **out-of-district county** of origin as directed in table 6.2.

Table 6.3: Subtotal Direct-Haul waste by **out-of-state origin** as directed in table 6.3.

County	Municipal Solid Waste	Industrial Solid Waste	Residual Solid Waste	C&DD Waste	Exempt Waste	Asbestos	TOTALS (1)
Erie	54,427.34	10,405.07	0.00	16,304.20	13.93	0.00	81,150.54
							0.00
							0.00
							0.00
							0.00
							0.00
							0.00
TOTALS (1)	54,427.34	10,405.07	0.00	16,304.20	13.93	0.00	81,150.54

(1) NOTE: To sum the rows and columns in MS Word, right-click the cell in the "TOTALS" row/column and select "Update Field"

Note: This page may be reproduced as necessary. Please note that each table only subtotals a single page. Please remember to provide grand totals in Section 9.

Table 6.2: DIRECT – HAUL OUT-OF-DISTRICT WASTE DISPOSED

County	Site ID	Municipal Solid Waste	Industrial Solid Waste	Residual Solid Waste	C&DD Waste	Exempt Waste	Asbestos	TOTALS (1)
Huron	OH	485.36	4.03	0.00	4,475.26	0.00	0.00	4,964.65
Huron-OSS	OH	860.43	0.00	0.00	0.00	0.00	0.00	860.43
Lorain	OH	1,206.85	0.00	0.00	1,182.73	0.00	0.00	2,389.58
Lucas	OH	0.00	0.00	0.00	1.87	0.00	0.00	1.87
Ottawa	OH	1,383.75	0.00	0.00	3,742.79	0.00	0.00	5,126.54
Richland	OH	.39	0.00	0.00	1.07	0.00	0.00	1.46
Sandusky	OH	868.52	986.48	0.00	1,605.57	0.00	0.00	3,460.57
Seneca	OH	0.00	0.00	0.00	69.30	0.00	0.00	69.30
	OH							
	OH							
	OH							
	OH							
	OH							
	OH							
	OH							
	OH							
	OH							
	OH							
	OH							
Sub-Total								
		4,805.30	990.51	0.00	11,078.59	0.00	0.00	16,874.40

[illegible]

Note: This page may be reproduced as necessary. Please note that each table only subtotals a single page. Please remember to provide grand totals in Section 9.

Table 6.3: DIRECT-HAUL OUT-OF-STATE WASTE DISPOSED (For origin codes, see Appendix AA)

[illegible]

(1) NOTE: To sum the rows and columns in MS Word, right-click the cell in the "TOTALS" row/column and select "Update Field"

Note: This page may be reproduced as necessary. Please note that each table only subtotals a single page. Please remember to provide grand totals in Section 9.

7. TRANSFERRED AND RAIL-TRANSPORTED WASTE RECEIVED (By Facility of Origin)

DIRECTIONS: Report all Transferred Waste in the tables in Section 7. Detailed instructions can be found in Appendix AA.

Definitions used in Section 7:

Transferred Waste - means any waste that has been consolidated from smaller waste collection vehicles into larger waste transportation vehicles in order to be shipped longer distances for disposal. This includes waste that is transported by rail cars.

Rail-Transported Waste – Waste that is transported via rail cars is considered to be transferred waste. Therefore rail-transported waste should be reported in Tables 7.1 through 7.4. Some rail facilities may not have a facility ID Number.

For Transferred Waste – Report totals by facility for each transfer facility that sent waste for disposal at your facility. See the instructions in Appendix AA for a more detailed example. See Appendix BB for a list of transfer facility ID numbers. If you have any questions, please contact Ohio EPA for assistance.

Remember: Report only transferred and rail-transported waste in Section 7.

Please use 1 row in each table for each facility of origin to report waste that was transferred to your facility in Tables 7.1 and 7.2. Delineate waste by category as indicated in the tables. In Table 7.3 report the origin of waste by state and county. If the waste originated from outside the United States then report the origin by country. See Appendix AA for origin codes.

Instructions for completing the tables in Section 7 are shown below:

Table 7.1: Subtotal Transferred waste by in-district county of origin as directed in table 7.1.

Table 7.2: Subtotal Transferred waste by out-of-district county of origin as directed in table 7.2.

Table 7.3: Subtotal Transferred waste by out-of-state origin as directed in table 7.3.

Table 7.1: IN-DISTRICT TRANSFERRED WASTE DISPOSED

Core ID: 13359

Facility Name	Facility ID (see Appendix BB)	Municipal Solid Waste	Industrial Solid Waste	Residual Solid Waste	C&DD Waste	Exempt Waste	TOTALS (1)
TOTALS (1)		0.00	0.00	0.00	0.00	0.00	0.00

(1) NOTE: To sum the rows and columns in MS Word, right-click the cell in the "TOTALS" row/column and select "Update Field"

Core ID: 13359

7.2: OUT-OF-DISTRICT TRANSFERRED WASTE DISPOSED

Facility Name	Facility ID) (see Appendix BB)	Municipal Solid Waste	Industrial Solid Waste	Residual Solid Waste	C&DD Waste	Exempt Waste	TOTALS (1)
Huron County Transfer Station	22910	36,681.48	0.00	0.00	0.00	0	36,681.48
Totals (1)		36,681.48	0.00	0.00	0.00	0.00	36,681.48

(1) NOTE: To sum the rows and columns in MS Word, right-click the cell in the "TOTALS" row/column and select "Update Field"

Table 7.3: OUT-OF-STATE TRANSFERRED WASTE DISPOSED (For origin code, see Appendix AA)

[illegible]

(1) Please see Origin Codes in Appendix AA.

(2) NOTE: To sum the rows and columns in MS Word, right-click the cell in the "TOTALS" row/column and select "Update Field"

Core ID: 13359

(1) Please see Origin Codes in Appendix AA.

This table may be repeated as necessary.

8. OTHER MATERIALS/WASTES RECEIVED

Core ID: 13359

Versions of this report from previous years included an "other" category in Sections 6 and 7 for wastes that were difficult to categorize. That category has been removed. However, Ohio EPA is aware that facilities sometimes have difficulty categorizing certain challenging wastes. If you received waste that you were unsure how to categorize, then please list that waste in Table 8.1 and include the category under which you listed the waste. The data help identify commonly miscategorized wastes. This information can be used to improve policies and procedures in the future.

1. Did your facility accept any materials for disposal that you were not certain how to categorize in Sections 6 or 7?

☐ YES ☒ NO

If you answered "Yes" above, then please describe the materials in table 8.1 below and list the category into which you placed the waste.

Table 8.1: "Other Waste" Received

County or Facility*	Origin**	Description of material accepted	Category you reported the waste under	Quantity of material accepted in tons

* Enter the county of origin for direct-haul waste or the facility of origin for transferred waste
 ** Enter the state or origin code for out-of-state waste

2. Did your facility accept any shale-drilling waste for disposal?
☐ YES ☒ NO ☐ NOT SURE / DO NOT TRACK

3. If you answered "Yes" to question number 2 above, then please quantify the amount of shale-drilling waste received. If you are unable to quantify the amount then check the appropriate box below.

tons of shale-drilling waste received ☐ UNABLE TO QUANTIFY

9. WASTE SUMMARY

A. Grand total of waste received

Table 9.1: Subtotal of Transferred and Direct-Haul Waste Received in 2014

Origin of Waste	Direct-Haul Waste	Transferred Waste	Total
(A) Total Tons of In-District Waste	81,150.54	0	81,150.54
(B) Total Tons of Out-of-District Waste	16,874.40	36,681.48	53,555.88
(C) Total Tons of Out-of-State Waste	0.00	0	0.00
(T) Total tons of wastes received [Sum of (A), (B), & (C) above]	98,024.94	36,681.48	134,706.42

B. Materials diverted for beneficial reuse and/or recycling (optional)

Table 9.2 has been provided for facilities to report any beneficial recycling activities or recycled materials that may have been handled in 2014. This refers to recycled materials that either were recovered from mixed waste or handled as source-separated materials that were diverted from disposal and transferred off-site.

If this is a captive industrial facility, then you may use this section to report waste that was diverted from disposal at any point in the normal waste disposal stream for the purpose of reuse or recycling.

If this facility has no recyclables to report then please check the box where indicated and continue with Section 9.

☒ This facility has no recycled materials to report in 2014 (please continue with Section 10)

Table 9.2 – Total Waste Received in 2014 from all sources

Did this facility separate (recover) any recyclables from waste received?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Did this facility receive and then transfer source-separated recyclables?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
(R) Tons of recyclables handled as noted above:		

If you need additional space, please attach additional pages.

Registration No.	Name of Transporter	PTe's	Destination(s)
H-87-STT-001	Enviro Tire Recycling, 4715 Baird Rd., Fostoria, OH 44830		Entech, Inc., 69676 M103, White Pigeon, MI 49099
H-87-STT-001	Enviro Tire Recycling, 4715 Baird Rd., Fostoria, OH 44830		Genesis Concepts Unlimited, 252 South St., Gallion, OH 44833

Table 10.2 - Scrap Tire Transporters Used by the Facility—Indicate the registration number and name of scrap tire transporters used by your facility to manage tires leaving the facility. Include the number of passenger tire equivalents (PTE's). Assume 20 lbs. per PTE carried by each hauler. List destination(s) reported by transporter (Facility name, project name or number, or facility Core-ID number).

[illegible]

Table 10.1 - Scrap Tire Management Methods

In Column 2 – List the name of the facility. For Ohio facilities you may use the Core ID (see appendices). For beneficial use projects, include the project approval number.

- 1 = Transferred to a beneficial use project for reuse
2 = Transferred to a monofill or monocell for disposal
3 = Transferred to a recovery facility for processing
4 = Transferred to a storage facility
5 = Transferred to a collection facility for consolidation
6 = Processed on site by a mobile recovery facility
7 = Stored on-site

Scrap Tire Management Methods – In Table 10.1 please report the management method applied to any tires received by this facility. This includes tires that may have been received incidentally in loads of other solid waste, regardless of whether the facility operated a scrap tire facility. Complete the table below by entering the requested data. Please use the management method codes below to complete Column "MM":

Yes – (Reminder: you should have submitted form # ST-65 (j) to Ohio EPA on January 31, 2015)	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

Did this facility also operate a scrap tire collection facility? (Check one below)

10. **SCRAP TIRE MANAGEMENT**

Core ID: 13359

11. INFORMATION ON FEES COLLECTED BY THE FACILITY

A. Host community fees and contract fees negotiated between the facility and a local community or solid waste management district (SWMD)

In Table 11.1 below, please list any of the following fees collected at this facility:

- a.) Host Community Fees (up to \$0.25/ton fee) collected in accordance with Ohio Revised Code 3734.57(C)
- b.) Any per-ton "Contract Fees" that were negotiated individually between a facility and a local community or SWMD.

☐ Check here if this facility did not collect any fees described above

Please note: You do not need to report any other statutory fees in this table besides those listed above. Please contact Ohio EPA if you have any questions about this section.

Table 11.1: Contract Fees and Local Surcharges

Type of Fees Collected (select fee type from the menu)	Name of Township/Municipality	Select type of jurisdiction from the menu	\$/Ton Fee	Total \$ Collected
<input checked="" type="checkbox"/> ORC 3754.57(C) <input type="checkbox"/> Contractual	Milan Township	Township	\$0.25 / ton	\$26,827.44
<input type="checkbox"/> ORC 3754.57(C) <input checked="" type="checkbox"/> Contractual	Erie County SWMD	SWMD	\$6.00 / ton	\$388,944.00
<input type="checkbox"/> ORC 3754.57(C) <input type="checkbox"/> Contractual		Select jurisdiction	/ ton	
<input type="checkbox"/> ORC 3754.57(C) <input type="checkbox"/> Contractual		Select jurisdiction	/ ton	
<input type="checkbox"/> ORC 3754.57(C) <input type="checkbox"/> Contractual		Select jurisdiction	/ ton	
<input type="checkbox"/> Please check here if additional pages are attached				Total: 415821.44

Note: You may attach additional sheets as necessary.

B. TIPPING FEES

Tipping Fees - Please enter the price for each applicable category for a "typical load" of solid waste disposed. That is, an average price that would apply to the majority of waste accepted at this facility. If you are unable to define a "typical load," then please report the facility's posted rates or attach a price sheet. (Please do not include state or local fees or surcharges in the prices in this table):

Table 11.2: Tipping Fees

Tons (as measured with scales)	\$ 41.00 per ton
Compacted cubic yards	\$ per cubic yard
Uncompacted cubic yards	\$ per cubic yard

12. DISPOSAL CAPACITY

NOTE: The information for this section is required in accordance with OAC 3745-27-19(M), 3745-29-19(M), and 3745-30-14(M). Please do not use unapproved pending PTI applications or draft PTIs as sources of information for this section. Facilities are encouraged to contact their Ohio EPA district office for assistance with completing this section. Note: Capacities should be listed in cubic yards (Yds³).

Table 12– Remaining Disposal Capacity, Capacity Used, and Daily Use Characteristics

1. New Permitted Capacity in 2014 (see footnote 1)				
Was any additional capacity <u>permitted</u> at the facility during 2014? ¹				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, amount of new capacity permitted in 2014: Yds ³		
2. Remaining Capacity				
a. Enter total remaining gross permitted airspace – as of Dec 31, 2014 (This should include the amount from 1 above.)			6,055,223 Yds ³	
b. Remaining constructed capacity: Enter the amount as of Dec 31, 2014. (This figure should be based upon the practical volume available in all constructed cells that were completed and certified <i>on or before December 31, 2014</i> .)			1,329,702 Yds ³	
c. Projected additional constructed capacity – enter any amount that will result from construction activities that will be performed in and certified in 2015 only. (This figure should <u>not</u> include the volume shown for 2.b above.)			0 Yds ³	
3. Remaining Life (in years) - Enter the total remaining life of the facility based upon the total remaining gross airspace in 2.a. above, and rates of waste receipts listed below:				
a. Authorized Maximum Daily Waste Receipts (AMDWR)		Annual receipts at AMDWR 244800 tons/yr		
AMDWR: 800 tons/day	Remaining Life 17.6		years at AMDWR	
b. Actual Recent Waste Receipts		Actual 2014 receipts 134,706 tons		
Days operated during year ² : 306	Avg. Tons/day: 440	Remaining Life 32.1 years at 2014 rate of receipts		
4. Remaining Tons for Waste Placement				
The total amount of waste (in tons) which can be disposed in your facility based upon the total remaining gross airspace (from 2.a above) <u>minus</u> cover material volume:			4,331,652 Tons	
5. Gross Airspace Used During 2014				
Enter the gross airspace or volume used in 2014 in the space to the right. ³			188307 Yds ³	
6. Primary Contact for capacity issues				
If the primary contact for questions concerning capacity issues is different than the person completing this report, then please provide the appropriate contact information below. Douglas J. Perisutti, P.E., The Mannik & Smith Group, Inc., (216) 378-1490				

1. Use only information from approved PTI's and Findings and Orders. Be sure to account for capacity approved during the report year when calculating gross airspace remaining.
2. You may use half-days in the calculation. Example calculation: (5.5 days / week) x (52 weeks / year) – 3 Holidays = 283 days
3. If the number of days between flyovers/surveys differs significantly from 365, be sure to apply a correction factor that will adjust the gross airspace used for a 365 day year.

Table 12– Remaining Capacity (continued)

7. Capacity Calculations – Please show the calculations used to generate the numbers in categories 3, 4 and 5 above. In addition, identify the values for all variables indicated, as applicable, and any other relevant variables used in the calculations. You may also attach additional sheets of paper as necessary.

☒ Calculations attached on a separate sheet.

Compaction Ratio(s): 0.72 tons/cy

Days between overflights or surveys: 368

Additional Variables:

Calculations:


12(B). Permits pending or intended and/or other factors that may affect future facility disposal capacity and/or circumstances that resulted in significant changes in waste receipts in 2014:

Why do we ask this? The answer is that Ohio EPA is required to monitor solid waste disposal capacity in Ohio. Data provided in this section are intended to assist that endeavor. Please assist us by reporting information described below.

You may also use this section to communicate any other factors that affected this facility's disposal capacity in 2014 or any factors that may affect this facility's future disposal capacity. Please feel free to include factors outside of the control of those who own operate and/or manage the facility that may affect disposal capacity.

If there are any pending permits for this facility, or if you applied for any new permits for this facility in 2014 or if you intend to apply for any new permits in 2015, please briefly explain below. This would include any permits that would result in changes in disposal capacity, changes in AMDWR, or changes in the way waste is received at the facility (e.g. new rail infrastructure, ownership changes, contract expiration, etc.) that may affect future capacity. You may also use this section to communicate circumstances that resulted in a significant increase or decrease in waste receipts in 2014.

No outstanding permits at this time.

	1800 Indian Wood Circle Maumee, OH 43537 Tel: (419) 891-2222 Fax: (419) 891-1255	Erie County Landfill	JOB: ERIE0043
		2014 Annual Report	SHEET NO: 1 OF 1
		Remaining Capacity Calculations	CALCULATED BY: NAC DATE: 3/23/15
			CHECKED BY: NA DATE: 3/23/15

A. Additional Capacity Permitted at the Facility During 2014

0 cy

B. Remaining Gross Airspace

1. Reporting Year = **2014**

Date of Latest Annual Survey = **12/31/14** (Aerial survey date)
Date of Previous Annual Survey = **12/28/13** (Aerial survey date)
Calendar Days Between Surveys (D_{IN}) = **368**
Calendar Days Between Latest Survey & **01/01/14** (D_{OUT}) = **364**

Remaining Gross Airspace at the End of 2013 (2013 RGA) = **6,243,529 cy** (from previous annual rpt)
2014 Waste Receipts (AWR) = **134,706 tons** (from facility records)
2014 Operating Days (AOD) = **306 days** (from facility records)

a. Approximate Waste Receipts Between Surveys (WR_{IN}) = **135,758 tons** (from facility records)
b. Gross Airspace Used Between Surveys (GAU_{IN})* = **189,777 cy** (MSG volume analysis)
c. Average Emplaced Waste Density (2014 AWD) = **0.72 tons/cy** (1a/1b)
1,431 lbs/cy (1c*2000)

d. Approx. GAU in 2014 After 12-31-14 Survey = **0.00 cy** (1f*2000/1c)
e. Remaining Gross Airspace as of 12-31-14 Survey (Surv RGA)* = **6,055,223 cy** (1h + 1d)
f. Approx. Waste Rcpts. in 2014 After 12-31-14 Survey (WR_{OUT}) = **0 tons** (from facility records)

g. Total Gross Airspace Used in 2014 (2014 GAU) = **188,306 cy** (2014 AWR/1c)
h. Remaining Gross Airspace at the End of 2014 (2014 RGA) = **6,055,223 cy** (2013 RGA-1g)

2. Constructed Capacity

a. Remaining Constructed Capacity at the Beginning of 2014 = **1,518,008 cy** (from previous annual rpt)
b. Additional Capacity from Construction during 2014 = **0 cy** (from previous annual rpt)
c. Constructed Capacity used in 2014* = **188,306 cy** (=1g)
d. Additional Constructed Capacity Projected for 2015* = **0 cy** (no construction since '08)
e. Remaining Constructed Capacity at the Beginning of 2015* = **1,329,702 cy** (MSG volume analysis)

3. Remaining Life

a. Based On AMDWR - NA
AMDWR = **800** tons/day
Days Operating = **306** days/yr
Annual Receipts at AMDWR = **244,800 tons/yr** (Operating days * AMDWR)
6,055,223 cy * 0.72 tns/cy / 800 tns/day / 306 days/yr = **17.69 years**

b. Based on Actual 2014 Waste Receipts
2014 Waste Receipts = **134,706 tons/yr**
Days Operating = **306 days/yr** (site specific facility value)
Avg. Daily Tonnage = **440 tns/day** (calc. using 2014 receipts)
6,055,223 cy * 0.72 tns/cy / 440.2 tns/day / 306 days/yr = **32.16 years**

4. Remaining Tons for Waste Placement **4,331,652 tons** (2014 RGA * 2014 AWD)

5. Gross Airspace Used During 2014 **188,306 cy** (=1g)

*Based on Computer Analysis

13. MISCELLANEOUS INFORMATION**A. General feedback**

You may use this space to provide any comments that you wish to share concerning the preparation of this report, the data contained in it, Ohio EPA's review of the report, or suggestions for improving the reporting process in the future.

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Completing Sections 14 through 22:

Core ID: 13359

Sections 14 through 22 will contain the remainder of the information required under Ohio Administrative Code (OAC) sections 3745-27-19(M), 3745-29-19(M), and 3745-30-14(M). Sections 14 through 22 consist of "cover sheets" with only minimal form data to complete. Please fill in information requested on the cover sheet and place the required information behind the appropriate cover sheet.

Each cover sheet contains applicable OAC references or rule language, and may contain one or more summary questions that must be answered. However, the report form is not intended to be a substitute for the rules. Please refer to the actual rules in order to determine the correct requirements under the Ohio Administrative Code. Please refer to OAC section 3745-27-19(M) for municipal solid waste landfills, 3745-29-19(M) for industrial solid waste landfills and 3745-30-14(M) for residual solid waste landfills.