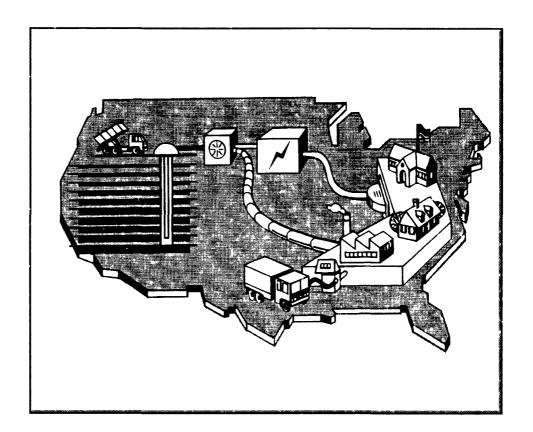


Landfill Gas-to-Energy Project Opportunities

Landfill Profiles for the State of Ohio





EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities,

municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-toenergy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thomeloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- · Project developers, landfill owners, and operators
- · State and local records
- · Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project, Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

Landfill Categorizes

Current Project:

 Landfill with operational LFGTE project or landfill with LFGTE project under construction.

Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-inplace.²

Shutdown:

· Landfill with shutdown LFGTE project.

Other:

 Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

Unknown WIP:

 Landfill with insufficient data to determine the waste-inplace.

State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

² By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



¹ Current projects illustrate the wide range of successful project development options.

Exhibit 1: Ohio MSW Landfill Summary

Category	No. of	• •		Est. CH4	Methane Re		CO2 Equivale	
	Landfills	Electricity (MW)	Gas Capacity (mmBtu/hr)	Generation (mmscf/d)	(tons/	(yr)	Reduction (tons/yr)	
					Potential	Current	Potential	Current
Current	6	54	537	17	99,432	52,034	2,088,066	1,092,722
Candidate	29	145	1,447	46	267,690	43,169	5,621,486	906,555
Other	17	45	449	14	83,018	7,709	1,743,370	、161,885
Unknown WIP	14							
Total	66	244	2,433	78	450,139	102,913	9,452,921	2,161,163

Exhibit 2: Potential Ohio Emissions Avoided by Fossil Fuel Displacement

Category		Electricity Generation Project						Direct Use Project					
	C	CO2 (tons/yr)		SO2 (tons/yr)		C	CO2 (tons/yr)			SO2 (tons/yr)			
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	
Current	425,420	349,165	234,784	2,689	2,248	0	299,425	245,755	165,249	2,724	1,432	2	
Candidate	1,142,082	937,369	630,300	7,219	6,034	0	806,112	661,620	444,883	7,335	3,856	4	
Other	355,174	291,511	196,016	2,245	1,877	0	249,997	205,186	137,970	2,275	1,196	1	
Unknown WIP													
Total	1,922,676	1,578,046	1,061,100	12,153	10,158	0	1,355,534	1,112,561	748,101	12,334	6,484	7	

Exhibit 3: Index of Landfills in Ohio

Category	Landfill Name		WIP		Landfill	LFG Collected	.	Status of LFGTE
		<2.5 million tons	2.5 to 4 million tons	>4 million tons	Operating in 1998		Utilization Project	Project
Current	American LF			V	V			Construction
Current	Bedford #1and #2 LFs		V			V	V	Operational
Current	Cuyahoga Regional Sanitary LF			V	Ш			Construction
Current	Elda LF			~		V	<u> </u>	Operational
Current	Evergreen Recycling & Disposal LF			V	V			Construction
Current	Rumpke SLF, Inc.			V	✓		V	Operational
Candidate	Ashland County LF	V						Potential
Candidate	Athens-Hocking Reclamation Center	V			V			Potential
Candidate	BFI - Carbon Limestone LF			V	✓			Unknown
Candidate	BFI - Lorain County LF			V	V			Unknown
Candidate	BFI - Ottawa County LF			~	✓			Unknown
Candidate	Bigfoot Run SLF			V				Unknown
Candidate	Celina							Potential
Candidate	City of St. Marys LF	V						Potential
Candidate	Cleveland Land Development LF		✓	U				Unknown
Candidate	Countywide Recycling & Disposal LF			V				Potential
Candidate	Crawford County Sanitary LF	V			✓			Potential
Candidate	Defiance County LF		V		V			Potential
Candidate	Doherty LF	V			✓			Unknown
Candidate	Erie County SLF	V			✓	U		Potential
Candidate	Franklin County SLF			V	✓	Ш		Potential
Candidate	Hancock County Sanitary LF		~		✓			Potential
Candidate	Hardy Road LF			V	✓			Unknown
Candidate	Hoffman Road Sanitary LF			V	<u> </u>			Planned
Candidate	Huron County LF	V			<u> </u>			Unknown
Candidate	Kimble Sanitary LF			V	✓			Potential
Candidate	Laidlaw Waste Systems LF			~	✓			Planned
Candidate	Lake County Solid Waste LF			V	✓			Potential
Candidate	Mt. Eaton East LF			V		L		Potential
Candidate	Rumpke Waste, Inc. LF	✓			✓	V		Planned
Candidate	Tremont LF			V				Planned
Candidate	Vienna Junction							Potential
Candidate	Williams County LF			<u> </u>				Potential
Candidate	Wood County LF	V			V			Potential
Candidate	Wyandot Sanitary LF	V			V			Potential
Other	BFI - Willowcreek LF			V	Ш	U		Unknown
Other	City of East Liverpool LF	~	U		V			Unknown
Other	City Westlake LF	V	Ü			Ш	Ĺ	Unknown
Other	City Xenia LF	V						Unknown

Exhibit 3: Index of Landfills in Ohio

Category	Landfill Name		WIP		Landfill Operating in	LFG Collected		Status of LFGTE
		<2.5 million tons	2.5 to 4 million tons	>4 million tons	Operating in 1998		Utilization Project	Project
Other	Crossridge LF	~						Unknown
Other	Fairfield Sanitary LF		~		y			Unknown
Other	Fowler LF			V				Unknown
Other	Glenwillow Sanitary LF			V	>	V		Unknown
Other	Henry County LF	Y			✓			Unknown
Other	Holmes County LF	✓			>			Unknown
Other	Middletown City LF	~						Unknown
Other	Miller City LF							Unknown
Other	Putnam County LF	✓			>			Unknown
Other	Rossford LF	✓						Unknown
Other	Royalton Road Sanitary LF			~	>			Unknown
Other	Scioto Sanitation LF	V						Unknown
Other	Triangle LF	✓						Unknown
Jnknown WIP								Unknown
Jnknown WIP	Akron LF							Unknown
Unknown WIP	Brown Brothers LF							Unknown
Unknown WIP	Buckeye Reclamation LF							Unknown
Unknown WIP	City of Brooklyn LF					U		Unknown
Unknown WIP	Gallia County LF				Ш			Unknown
Unknown WIP	Hardin County LF		Ш					Unknown
Unknown WIP	Montgomery County LF							Unknown
Unknown WIP	Nicky Boulevard LF							Unknown
Jnknown WIP	Pike Sanitation LF							Unknown
Unknown WIP	Preble County LF							Unknown
Unknown WIP	Reserve Environmental Services LF							Unknown
Jnknown WIP	State Wide LF							Unknown
Jnknown WIP	Village Cedarville LF							Unknown

	1	American I		Landfill Cat	egory: Current
		A. GENERAL LANDFILL	INFORMATION		
Landfill Owner:	American Landfill	1	Annual Acceptance Rate (t	ons):	1,280,763
Landfill Owner Type			Year Annual Acceptance R	ate Reported:	1993
Alternative Landfill			Design Capacity (tons):		
City:	Waynesburg		Acres Currently Landfilled	(acres):	90
County:	Stark		Average Depth (feet):		
State:	ОН		Waste-in-Place (tons):		14,157,332
Year Open:	1975	ı	1998 Waste-in-Place (tons)) :	15,444,362
Year Closed:	2001	B. LANDFILL GAS CO	LLECTION		
Estimated Methane C	Generation (mmscf/d):		4.37		
LFG Collection Syste	=		7.37		
Current LFG Collecte					
	nent System Required Under	NSPS/EG:	No		
7/2/201	4	C. LANDFILL GAS U	FILIZATION		
Current Utilization:	•				
Utilization Syste	em Status: Constru	ection			
Utilization Syste	em Type: Direct 7	Thermal			
Utilization Syste	em Start Year: 1999				
Electric Utility F	Provider(s):				
Natural Gas Pro	vider(s):				
Energy Purchase	er(s): several	customers			
Capacity:	Elec	ctricity Generation Project (M	(W) OR	Direct Use Project (mm	Btu/hr)
Estimated Poten	tial Capacity:		14		137
Current Capacity	y:				
Planned Capacit	y:		1		
Utilities in County:	Beach (City Board of Public Affairs;	Brewster Muni Electric; Ca	arroll Electric Coop Inc;	Holmes-Wayn
	D. El	NVIROMENTAL BENEFII	S OF UTILIZATION		
		Po	tential	_ Curre	ent
Methane Reduction (1	tons/yr):		25,256	·	0
CO2 Equivalent of C	H4 Reduction (tons/yr):		530,368		0
					· · · · · · · · · · · · · · · · · · ·
Emissions Avoided by	y Fossil Fuel Displacement:	Electricity Gene		Direct Use I	=
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	108,131	684	76,054	692
	Fuel Oil:	88,749	571	62,422	364
	Natural Gas:	59,676	0	41,973	0
		E. CONTACT INFO	RMATION		
	Land	dfill Owner	,	Landfill Operator	
Contact Name:					
Mailing Address:	One American Way		One American Wa	у	
Phone Number:	216-856-8800		216-856-8800		
	210 030-0000		210-030-0000		
Fax Number:					
Itallicized indicates	values estimated by EPA.	Dec	cember 5, 1998	State: OH	Page: 1
			<i>y</i>		

		A GE	Ashland County NERAL LANDFILL IN		ON	Landfill Cat	egory: Candidate
. 1511.0							40.676
Landfill Owner:		d County Commis			ance Rate (to		40,676
Landfill Owner Type:					-	ate Reported:	1993
Alternative Landfill N		ف		sign Capaci	-	()	45
City:	Ashlan Ashlan	_			y Landfilled	(acres):	45
County:		a		erage Depth			1 000 707
State:	OH			ste-in-Place	•		1,099,797
Year Open:	1971		199	o wasie-in-	Place (tons)	:	1,142,097
Year Closed:	1997	R	LANDFILL GAS COL	LECTION			
Fatimated Mathema C	an anation /			0.71		······································	
Estimated Methane G		z/a):		0.71			
LFG Collection Syste Current LFG Collecte		•					
Collection and Treatm		visad Undas NCDC	re.C.·	No			
Conection and Treating			LANDFILL GAS UTII				
Current Utilization:		3				·	
Utilization Syste	m Status	Potential					
Utilization Syste		Unknown					
Utilization Syste		Ulikilowii					
Electric Utility F							
Natural Gas Pro							
Energy Purchase	` '						
Capacity:	7(0)	Electricity	Generation Project (MW) C)R	Direct Use Project (mm	nBtu/hr)
	tial Canacity	1		2			22
Estimated Poten Current Capacity				2			22
Planned Capacity				.8			5
	y. 						
Utilities in County:			tric Coop Inc; Holmes-W			Licking Rural Electric	Inc; Lorain Me
		D. ENVIRO	MENTAL BENEFITS	OF UTILI	ZATION		
			Poten	tial		Curre	ent
Methane Reduction (t	-				4,106		0
CO2 Equivalent of CI	H4 Reduction (to	ns/yr):			86,218		0
Emissions Avoided by	Fossil Fuel Dis	nlacament:	Flectricity Genera	tion Projec	,	Direct Use	Project
Emissions Avoided by	Fossil Fuel Disp	placement:	Electricity General	•	1	Direct Use I	•
Emissions Avoided by	Fossil Fuel Disp		CO2 (tons/yr)	stion Projec SO2 (ton	s/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Emissions Avoided by	Fossil Fuel Disp	olacement: Coal:	•	•	1		•
Emissions Avoided by	Fossil Fuel Disp		CO2 (tons/yr)	•	s/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Emissions Avoided by		Coal:	CO2 (tons/yr) 17,364	•	110	CO2 (tons/yr) 12,363	SO2 (tons/yr)
		Coal: Fuel Oil: Iatural Gas:	CO2 (tons/yr) 17,364 14,252 9,583	SO2 (ton	110 92	CO2 (tons/yr) 12,363 10,147	\$02 (tons/yr) 113 59 0
Emissions Avoided by		Coal: Fuel Oil: Iatural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (ton	110 92 0	CO2 (tons/yr) 12,363 10,147 6,823	SO2 (tons/yr) 113 59
	λ	Coal: Fuel Oil: latural Gas: Landfill O	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (ton	110 92 0	CO2 (tons/yr) 12,363 10,147 6,823	\$02 (tons/yr) 113 59 0
Contact Name:	Robert Valenti	Coal: Fuel Oil: latural Gas: Landfill O	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (ton	110 92 0	CO2 (tons/yr) 12,363 10,147 6,823	\$02 (tons/yr) 113 59 0
	λ	Coal: Fuel Oil: latural Gas: Landfill O	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (ton	110 92 0	CO2 (tons/yr) 12,363 10,147 6,823	\$02 (tons/yr) 113 59 0
Contact Name:	Robert Valenti	Coal: Fuel Oil: latural Gas: Landfill O	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (ton	110 92 0	CO2 (tons/yr) 12,363 10,147 6,823	\$02 (tons/yr) 113 59 0
Contact Name: Mailing Address:	Robert Valenti 110 Cottage St	Coal: Fuel Oil: latural Gas: Landfill O	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (ton	110 92 0	CO2 (tons/yr) 12,363 10,147 6,823	\$02 (tons/yr) 113 59 0
Contact Name: Mailing Address: Phone Number:	Robert Valenti 110 Cottage St	Coal: Fuel Oil: latural Gas: Landfill O	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (ton	110 92 0	CO2 (tons/yr) 12,363 10,147 6,823	\$02 (tons/yr) 113 59 0

				•	mation Center		Landfill Co	ategory: Candida
. 72.		A	GENERAL I	ANDFILL	INFORMAT	ION	<u> </u>	
Landfill Owner:	Kilbar	ger Construct	ion, Inc.	,	Annual Accep	tance Rate (tons):	65,98
Landfill Owner Type	e: Privat	e		•	Year Annual A	Acceptance l	Rate Reported:	1993
Alternative Landfill	Name: Kilbar	ger LF		I	Design Capaci	ty (tons):		469,119
City:	Nelson	nville			Acres Currentl	-	d (acres):	3:
County:	Athen	s			Average Depth		•	
State:	ОН				Waste-in-Place	` '		1,056,530
Year Open:	1983			i	1998 Waste-in	-Place (tons	s):	1,207,464
Year Closed:	2009		D. L. ANDER		N I ECTEION			
		Edition and the second	B. LANDFI	LL GAS CC	LLECTION	2.412,338.03	3 to 10 10 10 10 10 10 10 10 10 10 10 10 10	
Estimated Methane		cf/d):			0.73			
LFG Collection Syst								
Current LFG Collect	• •		1400 /E C					
Collection and Treat	ment System Red	quired Under		ILT CACE	No FILIZATION	T		
2950			C. LANDI	ILL GAS U	EILIZATION			
Current Utilization:	_							
Utilization Syst		Potentia						
Utilization Syst		Unknow	n				•	
Utilization Syst								
Electric Utility Natural Gas Pro								
Energy Purchas								
Ellergy Furchas	er(s).							
Capacity:		Elec	tricity Generation	on Project (M	iW) (OR	Direct Use Project (m	nmBtu/hr)
Estimated Poter	ntial Capacity:				2			23
Current Capacit								
Planned Capaci	-							
The state of the s			D 151				G GI . W. 0.F	SI D OI
Utilities in County:							Co; Glouster Water & E	Electric Dept; Oh
		D. EN	VIROMENTA	L BENEFI	IS OF UTILI	ZATION		
				Po	tential		Cui	rrent
Methane Reduction (-					4,202		(
CO2 Equivalent of C	H4 Reduction (to	ons/yr):				88,246		(
Emissions Avoided b	v Fossil Fuel Die	enlacement:	FI	actricity Can	eration Projec		Direct Use	a Project
Emissions Avoided 0	y Possii Puei Dis	ършсетет.	1	ctricity Gene ? (tons/yr)	SO2 (toi		CO2 (tons/yr)	e i rojeci SO2 (tons/yr
			002	•	502 (10)	·		
		Coal:		18,153		115	12,654	11:
		Fuel Oil:		14,899		96	10,386	6
	i	Natural Gas:		10,019		0	6,984	(
			E CONT	ACT INFO	RMATION			
		Land	fill Owner	ACI ETE	MATION		Landfill Operator	
Contact Name:	Dan Stohs				Dan S	tohe		
					i			
Mailing Address:	PO Box 946				PO B	ox 946	•	
	:							
Phone Number:	614-385-6019)			614-3	85-9684		
Fax Number: .	:							
				_				
* Itallicized indicates	values estimated	d by EPA.		Dec	cember 5, 199	8	State: OH	Page:
STAR Ve	rsion 1.0 / LMOI	o						

			BFI - Carbon Lir			Landfill Car	egory: Candidate
		A. G	ENERAL LANDFILI	. INFORM	ATION		
Landfill Owner:	BFI			Annual Ac	ceptance Rate	(tons):	806,578
Landfill Owner Type	»:			Year Annu	al Acceptance	Rate Reported:	1993
Alternative Landfill	Name:			Design Cap	pacity (tons):		
City:	Poland			Acres Curr	ently Landfille	ed (acres):	
County:	Mahon	ing	,	Average D	epth (feet):		
State:	ОН			Waste-in-P	lace (tons):		18,575,447
Year Open:	1969			1998 Waste	e-in-Place (ton	s):	19,902,264
Year Closed:	2029						
			B. LANDFILL GAS C	OLLECTI	ON		
Estimated Methane C	Generation (mmsc	·f/d):		5.51			
LFG Collection Syste	-	yy.					
Current LFG Collecte							
Collection and Treat	•	uired Under NS	PS/EG·	No			
Concension and Treat.	Az . www.		C&LANDFILL GAS U		ON		
Current Utilization:	<u> 224./</u>	<u> </u>					
•	C	17.1					
Utilization Syste		Unknown					
Utilization Syste		Unknown					
Utilization Syste							
Electric Utility I							
Natural Gas Pro							
Energy Purchase	er(s):						
Capacity:		Electric	ity Generation Project (MW)	OR	Direct Use Project (mr	nBtu/hr)
Estimated Poten	itial Capacity			17			172
Current Capacity				• ·			*/ -
Planned Capacit							
Utilities in County:		Ohio Edisor	n Company; Ohio Powe	r Company			
		D. ENVI	ROMENTAL BENEF	ITS OF UT	ILIZATION		V176
			P	otential		Curr	ent
Methane Reduction (tons/yr):				31,848		0
CO2 Equivalent of C	H4 Reduction (to	ns/yr):			668,806		0
Emissions Avoided by	y Fossil Fuel Disp	olacement:	Electricity Ge		-	Direct Use	-
			CO2 (tons/yr)	<i>SO</i> 2	(tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	135,756		858	95,906	873
		Fuel Oil:	111,422		717	78,715	459
	x :						
		atural Gas:	74,922		0	52,929	1
			E. CONTACT INFO	ORMATIO	N	L (CILO)	
		Landfill	Owner			Landfill Operator	
Contact Name:	Pete Stear			Pe	te Stear		
Mailing Address:	8100 South Sta	ateline Rd.		81	00 South State	eline Rd.	
Phone Number:	216-536-8013			21	6-536-8013		
	210-330-0013				0 330-0013		
Fax Number:	1						
* Itallicized indicates	values estimated	by FPA		ecember 5,	1998	State: OH	Page: 4
	. seemes communed	-, 11.	D			State. OH	- u ₅ v

Landfill Owner Type: Year Annual Acceptance Rate Reported: 1993				BFI - Lorain County		Landfill Cate	gory: Candidate
Landfill Owner Type:			A. G	ENERAL LANDFILL INF	ORMATION		
Alternative Landfill Name Brotherton LF Design Capacity (toms): Clity: Obertin Acres Currently Landfilled (acres):	Landfill Owner:			Anni	ual Acceptance Rate (tons):	589,470
City	Landfill Owner Type:			Year	Annual Acceptance	Rate Reported:	1993
County: Lorain	Alternative Landfill Name:	: Brother	ton LF	Desi	gn Capacity (tons):		
State: OH Waste-in-Place (tons): 12,529,697 Year Open: 1974 1998 Waste-in-Place (tons): 13,619,235 Year Closed: 2000 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mm.sc/d): 3,90 LFG Collection System Status: Current LFG Collection System Status: Unknown Utilization System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Carrent Utilization System Status: Unknown Utilization System System System (Pype: Unknown Utilization System System System (Pype: Unknown Utilization System Syste	City:	Oberlin		Acre	s Currently Landfille	d (acres):	
Vent Open: 1974 1998 Waste-in-Place (tons): 13,619,235	County:	Lorain		Aver	rage Depth (feet):		·
S. LANDFILL GAS COLLECTION	State:	OH		Wasi	te-in-Place (tons):		12,529,697
Estimated Potential Capacity: Carent Capacity: Electricity Generation Project (MW) Carrent Capacity: Carrent Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Carrent Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Carrent Coop Inc; Grafton Muni Utili Carrent Coop Inc; Grafton Muni Utili Carrent Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Carrent Coop Inc; Grafton Muni Utili D. Environt Coop Inc; Grafton Muni Util	Year Open:	1974		1998	Waste-in-Place (tons	5):	13,619,235
Estimated Methane Generation (mmscfd): 3.90 LFG Collection System Status: Current LFG Collection System Required Under NSPS/EG: No CLEANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Type: Unknown Utilization System Type: Unknown Utilization System Type: Unknown Utilization System Statu Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 12 122 Current Capacity: Planned Capacity: Utilities Dept: Cleveland Electric Illum Co: Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Methane Reduction (tons/yr): 22.557	Year Closed:	2000					
LFG Collection System Status: Current LFG Collected (mssEd): Current Utilization: Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Status Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL RENEFITS OF UTILIZATION Wethane Reduction (tons/vr): CO2 Equivalent of CH4 Reduction (tons/vr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (ton			I	B. LANDFILL GAS COLL	ECTION		
LFG Collection System Status: Current LFG Collected (mmsch): Collection and Treatment System Required Under NSPS/EG: C. LANDFILL GAS UTILIZATION	Estimated Methane Genera	ation (mmsc)	f/d):		3.90		
Current Utilization: Utilization System Status: Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Estimated Fotential Capacity: Current Capacity: Planned Capacity: Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co: Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION ### Potential CCO2 Equivalent of CH4 Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Co3: ### Potential Electricity Generation Project CC2 (tons/yr) CC2 Equivalent of CH4 Reduction (tons/yr): Co4: ### Potential Electricity Generation Project CC2 (tons/yr) SC2 (tons/yr) SC2 (tons/yr) SC2 (tons/yr) SC2 (tons/yr) SC3 (tons/yr) SC3 (tons/yr) SC3 (tons/yr) SC4 (tons/yr) SC5 (tons/yr) SC5 (tons/yr) SC6 (tons/yr) SC7 (tons/yr) SC7 (tons/yr) SC8 (tons/yr) SC8 (tons/yr) SC8 (tons/yr) SC9 (LFG Collection System Sta	atus:		•			
CLEANDFILL GAS UTILIZATION Utilization: Utilization System Status: Unknown Utilization System Statur Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Estimated Potential Capacity: Utilities in County: Amberst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Activated Potential Capacity: Utilities in County: Amberst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current 473,689 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 Equivalent of CH4 Reduction (tons/yr): Coal: 96,292 609 67,926 618 Fuel Oi: 79,032 509 55,751 325 Natural Gas: 53,142 0 37,488 0 ECONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East Phone Number: 1616:775-2984 216-775-2984 216-775-2984 216-775-4060 Fax Number: Page: 5	Current LFG Collected (m	mscf/d):					
Current Utilization System Status: Unknown Utilization System Stat Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 12 122 Current Capacity: Planned Capacity: Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Wethane Reduction (tons/yr): 22,557 CO2 Equivalent of CH4 Reduction (tons/yr): 473,689 Co2 Equivalent of CH4 Reduction (tons/yr): 473,689 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 96,292 609 67,926 618 Fuel Oil: 79,032 509 55,751 325 Natural Gas: 53,142 0 37,488 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 Fax Number: 1616-775-2984 Pallicized Indicates values estimated by EPA. December 5, 1998 State: OH Page: 5	Collection and Treatment S	System Requ	iired Under NSF	PS/EG:	No		
Utilization System Status: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFUTS OF UTILIZATION Potential Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 Equivalent of CH4 Reduction (tons/yr): Coal: 96,292 609 67,926 618 Fuel Oil: 79,032 509 55,751 325 Natural Gas: 53,142 0 37,488 0 E. CO1 Tonator Natural Gas: 53,142 0 37,488 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East Phone Number: 216-775-2984 Fax Number: 164licized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5				C. LANDFILL GAS UTILI	IZATION		
Utilization System Status: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) SO2 (tons/yr) Coal: 96.992 609 67.926 618 Fuel Oil: 79.032 509 55.751 325 Natural Gas: S3.142 0 37.488 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East Phone Number: 216-775-2984 Fax Number: Indicated indicates values estimated by EPA. December 5, 1998 State: OH Page: 5	Current Utilization:						
Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 12 122 Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential 22,557 0 CO2 Equivalent of CH4 Reduction (tons/yr): 473,689 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 96,292 609 67,926 618 Fuel Oil: 79,032 509 55,751 325 Natural Gas: 53,142 0 37,488 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 Pallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5		atus:	Unknown				
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Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) SO2 (tons/yr) CO3 (tons/yr) SO2 (tons/yr) CO4: 96,292 609 67,326 618 Fuel Oil: 79,032 509 55,751 325 Natural Gas: 53,142 0 37,488 0 E. CONTACT INFORMATION Landfill Ower Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East Phone Number: 216-775-2984 Fax Number: **halticized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5							
Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)	•						
Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)	•						
Landfill Operator Land	Energy Purchaser(s):						
Landfill Operator Land							
Current Capacity: Planned Capacity:	Capacity:		Electrici	ty Generation Project (MW)	OR	Direct Use Project (mml	Btu/hr)
Planned Capacity: Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current 22,557 0 CO2 Equivalent of CH4 Reduction (tons/yr): 22,557 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Coal: 96,292 609 67,926 618 Fuel Oil: 79,032 509 55,751 325 Natural Gas: 53,142 0 37,488 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 216-774-4060 Fax Number: 1 Indicates values estimated by EPA. December 5, 1998 State: OH Page: 5	Estimated Potential C	Capacity:			12		122
Utilities in County: Amherst Utilities Dept; Cleveland Electric Illum Co; Firelands Electric Coop Inc; Grafton Muni Utili D. ENVIROMENTAL BENEFITS OF UTILIZATION	Current Capacity:						
D. ENVIROMENTAL BENEFITS OF UTILIZATION	Planned Capacity:						
D. ENVIROMENTAL BENEFITS OF UTILIZATION	Utilities in County		Ambaret Liti	lities Dont: Claveland Flactr	ic Illum Co: Firelands	Flectric Coop Inc. Grafta	n Muni Litili
Potential Current	Othlies in County.			_		Electric Coop fric, Grand	iii Mulii Otili
Methane Reduction (tons/yr): 22,557 0 CO2 Equivalent of CH4 Reduction (tons/yr): 473,689 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) Direct Use Project CO2 (tons/yr) Coal: 96,292 609 67,926 618 Fuel Oil: 79,032 509 55,751 325 Natural Gas: 53,142 0 37,488 0 E. CONTACT INFORMATION Landfill Operator Contact Name: Dave Mathews 43502 Route 20 East Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 216-774-4060 * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5			D. ENVIR	ROMENTAL BENEFITS C	DF UTILIZATION		
CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) SO2 (tons/yr) SO3 (Potenti	ial	Currer	nt
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/y	Methane Reduction (tons/y	r):			22,557		0
CO2 (tons/yr) SO2 (tons/yr	CO2 Equivalent of CH4 Re	eduction (tor	ıs/yr):		473,689		0
CO2 (tons/yr) SO2 (tons/yr	F : :: A : :	ur in		Pl C		D' U D	
Coal: 96,292 609 67,926 618	Emissions Avoided by Foss	sii Fuei Disp	nacement:	•	•		
Fuel Oil: 79,032 509 55,751 325 Natural Gas: 53,142 0 37,488 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 216-774-4060 * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5				CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Natural Gas: 53,142 0 37,488 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 216-774-4060 Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5			Coal:	96,292	609	67,926	618
E, CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 216-774-4060 * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5			Fuel Oil:	79,032	509	55,751	325
E, CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 216-774-4060 * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5		N.	atural Gas:	53 142	0	37 488	0
Landfill Owner Landfill Operator Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 216-774-4060 * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5		146	aiurai Gas.			37,400	Ů,
Contact Name: Dave Mathews Mailing Address: 43502 Route 20 East 43502 Route 20 East Phone Number: 216-775-2984 216-774-4060 * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5					ATION	V 1511 O	
Mailing Address: 43502 Route 20 East Phone Number: 216-775-2984 Fax Number: 216-775-2984 * Itallicized indicates values estimated by EPA. December 5, 1998 December 5, 1998 State: OH Page: 5			Landfill	Jwner		Landfill Operator	
Phone Number: 216-775-2984 216-774-4060 Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5	Contact Name: Da	ve Mathews					
Phone Number: 216-775-2984 216-774-4060 Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5	Mailing Address: 435	502 Route 20) East		43502 Route 20 I	East	
Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5							ĺ
Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5	Phone Number:	6 775 2004			216 774 4060		ļ
* Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 5	210	u-113-2 9 84			210-774-4000		
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į.	* Itallicized indicates value	es estimated	by FPA	Decem	her 5 1998	State: OH	Page: 5
STAR Version 1.0/LMOP	Ł		oj Li A.	Decem		State. OH	ruge. J
	STAR STAR Version	I.U/LMOP					

Alternative Landfill Name: Design Capacity (cons): Cliy: Port Clinton Acres Currently Landfill (decres): 84					wa County I			Landfill Ca	tegory: Candidate
Landfill Owner Type: Year Annual Acceptance Rate Reported: 1993 Alternative Landfill Name: Design Capacity (tons): 84 City: Port Clinton Acres Current(Jandfilled (seres): 84 County: Oitawa Average Depth (feet): 6.032,659 Year Copen: 1970 1998 Waste-in-Place (tons): 6.032,659 Year Closed: 2002 B. LANDFILL GAS COLLECTION Estimated Methane Generation (nums/fil): 2.08 LEFG Collection System Status: Current LFG Collection and Treatment System Required Under NSFS/EG: Current Unilization: Unilization System Status: Unknown Utilization System Type: Unknown Utilization			A.	GENERAL LAND	FILL INFO	DRMATIO	N		
Alternative Landfill Name: Design Capacity (tons): 84	Landfill Owner:				Annua	al Acceptar	ice Rate (to	ons):	144,140
City:	Landfill Owner Type	:			Year A	Annual Acc	eptance Ra	ate Reported:	1993
County:	Alternative Landfill	Name:			Design	n Capacity	(tons):		
State: OH Waste-in-Place (tons): 6,032,559	City:	Port Cl	inton		Acres	Currently	Landfilled	(acres):	84
Year Open: 1970 1998 Waste-in-Place (tons): 6,479,522 Year Closed: 2002 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscfd): 2.08 LFG Collection System Status:	County:	Ottawa			Avera	ge Depth (i	feet):		
Section Sect	State:	ОН			Waste	-in-Place (tons):		6,032,659
B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscftd): Collection System Status: Current LFG Collected (mmscftd): Collection and Treatment System Required Under NSPS/EG: C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Electric Utility Provider(s): Ratural Gas Provider(s): Earngy Purchaser(s): Capacity: Electric Capacity: Planned Capacity: Planned Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: S1.303 324 36.132 329 End Oil: 42.107 271 29.655 173 Natural Gas: 28.313 0 19.941 0 E. CONTACT INFORMATION Landfill Operator Contact Name: Mailing Address: S30 North Camp Road Phone Number: 419-626-2454 Fax Number:	Year Open:	1970			1998	Waste-in-P	lace (tons):		6,479,522
Estimated Methane Generation (mmscf/d): LFG Collection System Status: Current LFG Collected (mmscf/d): Current LFG Collected (mmscf/d): Current Utilization Utilization System Status: Electric Utility Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Current Current Methane Reduction (tons/rr): Electricity Generation Project Methane Reduction (tons/rr): Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) SO2 (tons/yr) CO4 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) CO5 (tons/yr) SO2 (tons/yr) Natural Gas: E. CONTACT INFORMATION Landfill Operator Contact Name: Mailing Address: S30 North Camp Road Phone Number: 419-625-2454 Fast Number:	Year Closed:	2002							
LFG Collection System Status: Current LFG Collection (Immsc/fd): Collection and Treatment System Required Under NSPS/EG: CLANDFILL GAS UTILIZATION CLIDIDITION System Status: Unknown Utilization System Status: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) Clididition Gas Provider(s): Capacity: Electricity Generation Project (MW) D. Environment Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. Environment Al Benerity of Utilization Potential Potential Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Coal: Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) Coal: S1,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: ECONTACT INFORMATION Landfill Owner Landfill Owner Landfill Owner Contact Name: Mailing Address: 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:				B. LANDFILL G	AS COLLE	CTION			
LFG Collection System Status: Current LFG Collection (Immsc/fd): Collection and Treatment System Required Under NSPS/EG: CLANDFILL GAS UTILIZATION CLIDIDITION System Status: Unknown Utilization System Status: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) Clididition Gas Provider(s): Capacity: Electricity Generation Project (MW) D. Environment Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. Environment Al Benerity of Utilization Potential Potential Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Coal: Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) Coal: S1,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: ECONTACT INFORMATION Landfill Owner Landfill Owner Landfill Owner Contact Name: Mailing Address: 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:	Estimated Methane C	Generation (mmsc	f/d):		2	2.08			
Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Utilization System Status: Utilization System Staty Pipe: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): Potential Methane Reduction (tons/yr): Potential Methane Reduction (tons/yr): Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): Potential Methane Reduction (tons/yr): Spingle Current All 11,999 Occurent Current Cort Spingle Current Current Direct Use Project CO2 (tons/yr) CO2 (tons/yr) Spingle Current Cort Spingle Current Cort Spingle Current All 11,999 Occurent Current Direct Use Project CO2 (tons/yr) CO2 (tons/yr) Spingle Current Direct Use Project CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) Spingle Current All 11,999 Occurent Direct Use Project CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) Spingle Current Direct Use Project CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) Spingle Current Direct Use Project CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/		•							
Current Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 7 65 Current Capacity: Planned Capacity: 11 1999 65 Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION 11999 0 CO2 Equivalent of CH4 Reduction (tons/yr): 251,969 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr)	Current LFG Collecte	ed (mmscf/d):							
Current Utilization: Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Staty Far: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO3 Equivalent of CH4 Reduction (tons/yr): Cacal: 51,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: E. CONTACT INFORMATION E. CONTACT INFORMATION E. CONTACT INFORMATION Landfill Owner E. CONTACT INFORMATION Landfill Operator Contact Name: Mailing Address: 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:	Collection and Treatr	nent System Requ	uired Under N	SPS/EG:		No	•		
Utilization System Status: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 7 65 Current Capacity: Planned Capacity: Planned Capacity: 10 D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 251,969 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project (CO2 (tons/yr) SO2 (tons/yr) SO3			5.12. No.	C. LANDFILL G	AS UTILIZ	CATION	······································	- Sz	
Utilization System Status: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 7 65 Current Capacity: Planned Capacity: Planned Capacity: 10 D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 251,969 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project (CO2 (tons/yr) SO2 (tons/yr) SO3	Current Utilization:	<u></u>							
Utilization System Type: Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Planned Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: S1,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION Landfill Owner Contact Name: Mailing Address: 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:		em Statue	Unknown						
Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENYIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) SO2 (tons/yr) Coal: 51,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Mailing Address: 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:									
Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 7 65 Current Capacity: Planned Capacity: 91 Utilities in County: Elmore Munic Electric Light & Water Dept, Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current 11,999 0 CO2 Equivalent of CH4 Reduction (tons/yr): 251,969 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Coal: 51,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: David Vossmer Mailing Address: 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:			CHRIGWH						
Natural Gas Provider(s): Energy Purchaser(s):	•								
Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)									
Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 7 65 Current Capacity: Planned Capacity: Potential Current Methane Reduction (tons/yr): 11,999 0 CO2 Equivalent of CH4 Reduction (tons/yr): 251,969 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Coal: 51,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: David Vossmer S30 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:		• •							
Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Potential Current 11,999 0 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: 51,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: E. CONTACT INFORMATION Landfill Owner Contact Name: David Vossmer S30 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:	Elicigy i dichase	(3).							
Current Capacity: Planned Capacity:	Capacity:		Electr	icity Generation Proj	ect (MW)	OR		Direct Use Project (mr	nBtu/hr)
Current Capacity: Planned Capacity:	Estimated Poten	tial Capacity:				7			65
Planned Capacity: Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio		• •							55
Utilities in County: Elmore Munic Electric Light & Water Dept; Genoa Municipal Light Plant; Oak Harbor Utility; Ohio D. ENVIROMENTAL BENEFITS OF UTILIZATION	-								
D. ENVIROMENTAL BENEFITS OF UTILIZATION		•			·		· · · · ·		
Potential	Utilities in County:		Elmore M	unic Electric Light &	k Water Dep	ot; Genoa N	Iunicipal L	ight Plant; Oak Harbo	r Utility; Ohio
Methane Reduction (tons/yr): 11,999 0 CO2 Equivalent of CH4 Reduction (tons/yr): 251,969 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) Direct Use Project CO2 (tons/yr) SO2 (tons/yr) Coal: 51,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION Landfill Operator Contact Name: David Vossmer David Vossmer Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number: 419-635-2367 419-626-2454			D. ENV	IROMENTAL BEI	NEFITS OF	FUTILIZ/	ATION		
Methane Reduction (tons/yr): 11,999 0 CO2 Equivalent of CH4 Reduction (tons/yr): 251,969 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) Direct Use Project CO2 (tons/yr) SO2 (tons/yr) Coal: 51,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION Landfill Operator Contact Name: David Vossmer David Vossmer Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number: 419-635-2367 419-626-2454					Potentia	1		Curr	ent
CO2 Equivalent of CH4 Reduction (tons/yr): 251,969 0	Mathana Reduction (tonshir):			1 Olemiu		1 999	Cuit	
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/y		-	ncAr).				1		
CO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr	CO2 Equivalent of C	114 Reduction (10)					1,505		
Coal: 51,303 324 36,132 329 Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: David Vossmer David Vossmer Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454	Emissions Avoided by	y Fossil Fuel Disp	olacement:	Electricit	y Generatio	n Project		Direct Use	Project
Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION				CO2 (tons	/yr)	SO2 (tons/	yr)	CO2 (tons/yr)	SO2 (tons/yr)
Fuel Oil: 42,107 271 29,655 173 Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION			Coal:	51	.303	3	24	36 132	329
Natural Gas: 28,313 0 19,941 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: David Vossmer Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:									
E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: David Vossmer David Vossmer Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:			Fuel Oil:	42.	,107	2	371	29,655	173
Landfill Owner Landfill Operator Contact Name: David Vossmer David Vossmer Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:		N	atural Gas:	28	,313	•	0	19,941	0
Landfill Owner Landfill Operator Contact Name: David Vossmer David Vossmer Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:				E. CONTACT	INFORMA	TION			
Contact Name: David Vossmer Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:		<u> </u>						Landfill Operator	
Mailing Address: 530 North Camp Road 530 North Camp Road Phone Number: 419-635-2367 419-626-2454 Fax Number:	Contact Name	David Vasama				David V			
Phone Number: 419-635-2367 419-626-2454 Fax Number:	Contact (varie)					David v	OSSINEI		
Fax Number:	Mailing Address:	530 North Can	np Road			530 Nor	th Camp R	oad	
Fax Number:									
	Phone Number:	419-635-2367				419-626	-2454		
	Fax Number								
* Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 6									
	* Itallicized indicates	values estimated	by EPA.		Decembe	er 5, 1998		State: OH	Page: 6

			Bedford #1 and #	O I Ea		I JEII C-4	Curro
		A. G	# Bedford #1 and # ENERAL LANDFILL I		TION	Landfill Categor	y: Currei
Landfill Owner:			Δ	nnual Acce	ptance Rate (t	one).	20,117
Landfill Owner Type:					Acceptance R		1993
Alternative Landfill Name	e Redford	d #1 Sanitary LF		esign Capa	=	ate Reported.	1773
City:	Columb	-			tly Landfilled	(acres).	28
County:	Frankli			verage Dep	-	(acres).	70
State:	OH	11			in-Place (tons	١٠	2,664,190
Year Open:	1975				in-Place (tons)		2,828,380
Year Closed:	1995		1.	770 Waste-I	n'i tuce (tons)	•	2,020,500
Tear Closed.	1555		B. LANDFILL GAS CO	LLECTIO	N		
Estimated Methane Gener	ration (mmsc	f/d):		1.14			
LFG Collection System S	tatus:		Оре	erational			
Current LFG Collected (n	nmscf/d):			2.0			
Collection and Treatment	System Requ	uired Under NSF	PS/EG:	No			
			C. LANDFILL GAS UT	ILIZATIO	N		
Current Utilization:							
Utilization System S		Operational					
Utilization System T	· -	Boiler					
Utilization System S		1986					
Electric Utility Provi							
Natural Gas Provider	` '						
Energy Purchaser(s):				•			
Capacity:		Electrici	ty Generation Project (M'	W)	OR	Direct Use Project (mmBtu	/hr)
Estimated Potential	Capacity:			4			36
Current Capacity:				1.6			42
Planned Capacity:							
Utilities in County:		Columbus D	riv of Elec; Columbus Sou	uthern Powe	er Co; Delawa	re Rural Elec Coop Inc; Lick	ing Rural
		D. ENVIR	ROMENTAL BENEFIT	S OF UTII	IZATION		
			Pot	ential		Current	
Methane Reduction (tons/	(yr):				6,599		7,709
CO2 Equivalent of CH4 R	reduction (to	ns/yr):			138,583		161,885
Emissions Avoided by Fos	ssil Fuel Disp	placement:	Electricity Gene	=	i	Direct Use Proj	
			CO2 (tons/yr)	SO2 (to	ons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	28,414		180	19,873	181
		Fuel Oil:	23,321		150	16,311	95
	Ν	latural Gas:	15,681		0	10,968	C
			E. CONTACT INFOR	RMATION			
Control Name		Landfill	Owner			Landfill Operator	
ł	nillip Tefft	_		1	lip Tefft		
Mailing Address: Po	O Box 36041	8		PO	Box 360418		
Phone Number: 61	14-866-3300			614	-866-3300		
	. , 000-2500			. 014	200 3300		
Fax Number:							
* Itallicized indicates valu	es estimated	by EPA.	Dec	ember 5, 19	998	State: OH Pa	ge:
STAR Version	1.0 / LMOP						

			Bigfoot Run SL		Landfill Cate	gory: Candidate		
		A. GE	NERAL LANDFILL IN	FORMATION				
Landfill Owner:	BFI		Anr	ual Acceptance Rate	(tons):	688,073		
Landfill Owner Type:	Private			r Annual Acceptance	Rate Reported:	1993		
Alternative Landfill Na	me:		Des	ign Capacity (tons):				
City:	Morrov	v	Acr	Acres Currently Landfilled (acres):				
County:	Warren		Ave	rage Depth (feet):				
State:	ОН		Was	ste-in-Place (tons):		10,107,852		
Year Open:	1970		199	8 Waste-in-Place (tor	ıs):	10,107,852		
Year Closed:	1996							
			LANDFILL GAS COLI					
Estimated Methane Ger LFG Collection System		f/d):		3.00				
Current LFG Collected	(mmscf/d):							
Collection and Treatme	nt System Requ	uired Under NSPS	/EG:	No				
		C.	LANDFILL GAS UTIL	IZATION				
Current Utilization:								
Utilization System	Status:	Unknown						
Utilization System	Type:	Reciprocating	Engine					
Utilization System	Start Year:							
Electric Utility Pro	ovider(s):							
Natural Gas Provid	der(s):							
Energy Purchaser(s):							
Capacity:		Electricity	Generation Project (MW)	OR	Direct Use Project (mm	Btu/hr)		
Estimated Potentia	al Canacity:			9		94		
Current Capacity:	п сириспу.		-			,,		
Planned Capacity:								
Utilities in County:					laware Rural Elec Coop In	c; Lebanon M		
	<u> </u>	D. ENVIK	OMENTAL BENEFITS		1			
			. Potent		Curre			
Methane Reduction (tor	•			17,364		0		
CO2 Equivalent of CH4	Reduction (to	ıs/yr):		364,644		0		
Emissions Avoided by F	Sossil Fuel Dist	lacement:	Electricity Genera	tion Project	Direct Use F	Project		
Emissions Avoided by I	ossii i uei Disp	лисетет.	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)		
				•		•		
		Coal:	74,192	469	52,289	476		
		Fuel Oil:	60,893	392	. 42,917	250		
	N	atural Gas:	40,946	0	28,858	0		
			E. CONTACT INFORM	IATION				
		Landfill O	wner		Landfill Operator			
Contact Name:	Rob Dolder							
Mailing Address:	2420 Fact Mac	on-Morrow-Millg	rove Rd	2420				
Maining Additos.	LATO LAST MAS	on-wonow-wing	IOVE NU	Mason-Morrow-	Millorove Dd			
Di N.					winigiove Ku			
Phone Number:	513-651-2942			513-651-2910				
Fax Number:								
1								
* Itallicized indicates va				nber 5, 1998	State: OH	Page: 8		

			Celina			Landfill Category:	Candidate
		A. G	ENERAL LANDFILL	INFORMATIO	ON		
Landfill Owner:	Allied Wa	aste Industries		Annual Accepta	nce Rate (tons):		
Landfill Owner Type:	Private		•	Year Annual Ac	ceptance Rate Repor	ted:	1998
Alternative Landfill Na	me:		1	Design Capacity	(tons):		
City:	Celina			Acres Currently	Landfilled (acres):		
County:				Average Depth	(feet):		
State:	ОН			1998 Waste-in-	Place (tons):		
Year Open:				1998 Waste-in-I	Place (tons):		
Year Closed:							
		I	B. LANDFILL GAS CO	DLLECTION			
Estimated Methane Ger	neration (mmscf/d	'):					
LFG Collection System	Status:						
Current LFG Collected	(mmscf/d):						
Collection and Treatme	nt System Requir	ed Under NSP	PS/EG:	No			
			C. LANDFILL GAS U	FILIZATION			
Current Utilization:							
Utilization System	Status:	Potential					
Utilization System	Type:	Unknown					
Utilization System	Start Year:						
Electric Utility Pro	ovider(s):				,		
Natural Gas Provid	der(s):						
Energy Purchaser(s):						
Capacity:		Electrici	ty Generation Project (M	IW) OI	R Direct U	se Project (mmBtu/h	r)
Estimated Potentia	al Capacity:						
Current Capacity:	. ,						
Planned Capacity:							
Utilities in County:							
		D. ENVIR	ROMENTAL BENEFI	rs of utiliz	ATION		
			Po	tential		Current	
Methane Reduction (ton	ıs/vr):						
CO2 Equivalent of CH4	•	(yr):					
		*					
Emissions Avoided by F	Fossil Fuel Displa	cement:	Electricity Gen			Direct Use Project	
			CO2 (tons/yr)	SO2 (tons	/yr) CO2	? (tons/yr) SO	2 (tons/yr)
		Coal:			ļ		
		Fuel Oil:					
		ural Gas:					
	IVAII	irai Oas.					
		Landfill (E. CONTACT INFO	RMATION	Landfi	Il Operator	
Contact Name:	D 1 C	- Lundiiii V			Lunun	ir operator	
	Brad Green						
Mailing Address:	6141 Depweg Rd			<u> </u>			
Dhona Niverboo	440.005 :===			1			Ì
Phone Number:	419-925-4592			, 			
Fax Number:				į			
* Itallicized indicates va	lues estimated by	EPA.	De	cember 5, 1998	St	ate: OH Page	: 9

		City of St. A. GENERAL LANDFI		RMATION	Lanajii Cal	egory: Candidate
Landfill Owner:	City of Saint Mar	ys Refuse Department	Annual	Acceptance Rate (tons):	28,523
Landfill Owner Type:	Public			nnual Acceptance F		1993
Alternative Landfill Na	nme:			Capacity (tons):	•	
City:	St. Marys			urrently Landfilled	(acres):	80
County:	Auglaize			e Depth (feet):		
State:	ОН		_	n-Place (tons):		1,142,214
Year Open:	1965		1998 W	aste-in-Place (tons) <i>:</i>	1,213,603
Year Closed:	1998					
		B, LANDFILL GAS	S COLLEC	TION		7
Estimated Methane Ge	neration (mmscf/d):		0.7	70		
LFG Collection System	n Status:					
Current LFG Collected	(mmscf/d):					
Collection and Treatme	ent System Required Unde	r NSPS/EG:	1	1 0		
		C. LANDFILL GA	SUTILIZA	ATION		
Current Utilization:						
Utilization Systen	Status: Potenti	al				
Utilization Systen	Type: Unkno	wn				
Utilization Systen	n Start Year:					
Electric Utility Pr	ovider(s):					
Natural Gas Provi	der(s):					
Energy Purchaser	(s):					
Capacity:	Ele	ectricity Generation Projec	ct (MW)	OR	Direct Use Project (mm	nBtu/hr)
Estimated Potenti	al Capacity:			2		22
Current Capacity:						
Planned Capacity:						
Utilities in County:	Daytor	Power & Light Co; Midv	west Electric	c Inc; Minster Utili	ties Dept; New Bremen	Utilities; New
•	•	NVIROMENTAL BENI			•	
			Potential		Curre	ent
Methane Reduction (to	nchr);		1 Olemai	4,048	Cuire	0
CO2 Equivalent of CH	•			85,010		0
CO2 Equivalent of CII		,		65,010		
Emissions Avoided by	Fossil Fuel Displacement:	Electricity	Generation	Project	Direct Use I	Project
		CO2 (tons/y	r) So	O2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal	<i>!:</i> 17,30	64	110	12,190	111
	Fuel Oil			92	10,005	58
	Natural Gas			0	6,728	0
		E. CONTACT IN			0,728	0
-	Lar	ndfill Owner	· ORWAY		Landfill Operator	
Contact Name:	Mike Dealamanow			Todd Fleagle		
Mailing Address:	101 East Spring Street			101 East Spring S	treet	
Phone Number:	419-394-3303			419-394-4800		
Fax Number:						
+ I. 137.1. 1 · · · ·	-1 17 PD:		D: .	E 1000	0	D
nauicizea indicates v	alues estimated by EPA.		December	3, 1998	State: OH	Page: 10

			Cleveland Land Deve	lopment LF		Landfill (Category: Can	ndidate
		A. Gl	ENERAL LANDFILL	NFORMAT	ION			
Landfill Owner:				Annual Accep	tance Rate	(tons):	110	6,896
Landfill Owner Type:			Y	Year Annual Acceptance Rate Reported:				1993
Alternative Landfill Name	e: Harry F	Rock LF	Γ	Design Capacity (tons):				
City:	Brookly	yn Heights	A	Acres Current	ly Landfille		48	
County:	Cuyaho		A	verage Dept	h (feet):			
State:	ОН		7	Waste-in-Place (tons):			2,985	5,302
Year Open:	1970		1	998 Waste-ir	-Place (tor	is):	2,985	5,302
Year Closed:	1995							
<u> X</u>	<i>7</i> :	F	B. LANDFILL GAS CO	LLECTION	1- 34.			- 4 %
Estimated Methane Gene	ration (mmsc	f/d):		1.18				
LFG Collection System S	-	•						
Current LFG Collected (n								
Collection and Treatment	System Requ	uired Under NSP	PS/EG:	No				
			C. LANDFILL GAS UT	TLIZATION	1			
Current Utilization:								
Utilization System S	tatus:	Unknown						
Utilization System T		Unknown						
Utilization System S								
Electric Utility Provi								
Natural Gas Provide								
Energy Purchaser(s)	` '							
			•					
Capacity:		Electricit	ty Generation Project (M	W) (OR	Direct Use Project (mmBtu/hr)	
Estimated Potential	Capacity:			4				37
Current Capacity:	• •							
Planned Capacity:								
Heilitias in Country		Clausland El	lectric Ilium Co; Clevela	nd Dublic Do				
Utilities in County:								
		D. ENVIR	ROMENTAL BENEFIT	SOFUTIL	IZATION			24: The second
			Poi	tential		C	urrent	
Methane Reduction (tons)	(yr):				6,831			0
CO2 Equivalent of CH4 I	Reduction (to	ns/yr):			143,457			0
F ' ' A ' ! !! F	"F 1D"		FI	D		D:		
Emissions Avoided by Fo.	ssil Fuel Disj	olacement:	Electricity Gene	=		· ·	Ise Project	
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tor	ıs/yr)
		Coal:	29,203		185	20,572		187
		Fuel Oil:	23,969		154	16,884		98
	N	atural Gas:	16,117		0	11,353		0
	•••		E. CONTACT INFO	DACATION		1	· v	
<u></u>		Landfill (MINITON	<u> </u>	Landfill Operator	ý s	
Contact Name:		- Lundini (3 WILCI	i .		Zaneriii Operator		
Contact Name.				Larry	Parsons			
Mailing Address: 49	900 Woodlan	d Avenue		1329	East Schaa	f Road		
:				;				
Phone Number: 2	16-361-2000			216-7	41-7311			
Fax Number:								
								
* Itallicized indicates valu	es estimated	by EPA.	Dec	cember 5, 199	98	State: OH	Page:	11
k county:	10411400							

Countywide Recycling & Disposal LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: 530,607 WMI Annual Acceptance Rate (tons): 1993 Landfill Owner Type: Year Annual Acceptance Rate Reported: Private Alternative Landfill Name: Design Capacity (tons): City: East Sparta Acres Currently Landfilled (acres): County: Stark Average Depth (feet): State: OH Waste-in-Place (tons): 8,238,436 Year Open: 1998 Waste-in-Place (tons): 1968 8,522,520 Year Closed: 1997 **B. LANDFILL GAS COLLECTION** 2.60 Estimated Methane Generation (mmscf/d): LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: Yes 1 80 C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Potential Utilization System Type: High Btu Utilization System Start Year: Electric Utility Provider(s): Unknown Natural Gas Provider(s): Unknown Energy Purchaser(s): Unknown OR Capacity: Electricity Generation Project (MW) Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 8 81 Current Capacity: Planned Capacity: Utilities in County: Beach City Board of Public Affairs; Brewster Muni Electric; Carroll Electric Coop Inc; Holmes-Wayn D. ENVIROMENTAL BENEFITS OF UTILIZATION Current Potential 0 Methane Reduction (tons/yr): 15,020 0 CO2 Equivalent of CH4 Reduction (tons/yr): 315,414 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 63,931 404 45,230 412 Fuel Oil: 52,472 338 37,123 216 Natural Gas: 35,283 0 24,962 0 E. CONTACT INFORMATION : 344 P27 Landfill Owner Landfill Operator Contact Name: Tim Vandersall, Director, EH&S Dan Fess Mailing Address: 3619 Gracemont Street SW 3619 Gracemont Street SW Phone Number: 330-874-3855 330-874-3855 Fax Number: 330-874-2426 Itallicized indicates values estimated by EPA. December 5, 1998 State: OH 12 Page:

		·	Crawford County	•		Landfill Cate	egory: Candidate
		A. Gl	ENERAL LANDFILI	. INFORMAT	ION		
Landfill Owner:	Crawfo	rd County Board	of Commissioners	Annual Accep	tance Rate	(tons):	54,625
Landfill Owner Type:	Public			Year Annual A	Rate Reported:	1993	
Alternative Landfill Na	ame:			Design Capac			
City:	Bucyru	s		Acres Current	d (acres):	24	
County:	Crawfo	rd		Average Depth (feet):			15
State:	OH			Waste-in-Place (tons):			1,562,265
Year Open:	1969			1998 Waste-in-Place (tons):			1,673,856
Year Closed:	2011						
		E	. LANDFILL GAS C	OLLECTION	l		
Estimated Methane Ge	neration (mmsc	f/d):		0.85			
LFG Collection System	n Status:						
Current LFG Collected	l (mmscf/d):						
Collection and Treatme	ent System Requ	uired Under NSP	S/EG:	No			
		(C. LANDFILL GAS U	TILIZATION	V		
Current Utilization:							
Utilization System	n Status:	Potential					
Utilization Systen	n Type:	Unknown					
Utilization Systen	n Start Year:						
Electric Utility Pr	ovider(s):						
Natural Gas Provi	ider(s):						
Energy Purchaser	(s):						
Capacity:		Electricit	y Generation Project (1	MW)	OR	Direct Use Project (mm	Btu/hr)
Estimated Potenti	al Capacity:			3			26
Current Capacity:							
Planned Capacity	:						
Utilities in County:		Galion Light	& Power Dept; Marion	n Rural Electric	c Coop Inc;	North Central Elec Coop	Inc; Ohio Edis
		D. ENVIR	OMENTAL BENEFI	TS OF UTIL	IZATION		
			· P	otential		Curre	ent
Methane Reduction (to	ns/yr):				4,892	•	0
CO2 Equivalent of CH	-	ns/yr):			102,730		0
Emissions Avoided by	Fossil Fuel Disp	olacement:	-	neration Projec	ct	Direct Use I	-
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	20,521		130	14,731	134
		Fuel Oil:	16,843		108	12,091	71
	A)	atural Gas:	11,325		0	8,130	0
	IV	aiurai Gas:		NDA CONTONIO		8,130	0
		Landfill (E. CONTACT INFO	DEMATION		Landfill Operator	
Contact Name:	Jerry Reidel			Robe	rt Murray		
Mailing Address:	112 East Mans	field Street			Lincoln Hig	phway East	
Walling Addiess.	TTE Edst Wans	neid blicet		3120	Lincom ing	sitway Last	
Phone Number:	419-562-5876			419-5	62-5816		
Fax Number:							
				<u> </u>			
* Itallicized indicates v	alues estimated	by EPA.	D	ecember 5, 199	98	State: OH	Page: 13
ETAD Varia	ion 10/LMOP						

Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	844,632 1993 8,200,330 8,200,330
Landfill Owner Type: Private	1993 8,200,330
Alternative Landfill Name: Inland/Solon Landfill Design Capacity (tons): City: Solon Acres Currently Landfilled (acres): Country: Cuyahoga Average Depth (feet): State: OH Waste-in-Place (tons): Year Open: 1972 1998 Waste-in-Place (tons): Year Closed: 1996 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 2.52 LFG Collection System Status: Current LFG Collected (mmscf/d): No Current LFG Collected (mmscf/d): No Current Utilization and Treatment System Required Under NSPS/EG: No Current Utilization System Status: Construction Utilization System Status: P998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Energy Purchaser(s): Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Returned Capacity: Current Capacity: Planned Capacity: Current Capacity: Selectric Utility Provider (Single Current Capacity: Selectric Current Capacity: Returned Capacity: Current Capacity: Selectric Current Capacity: Current Capacity: Current Capacity: Electric Illum Co: Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 305,407 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Of CO2 (tons/yr) CO	8,200,330
City: Solon Acres Currently Landfilled (acres): County: Cuyahoga Average Depth (feet): State: OH Waste-in-Place (tons): Year Open: 1972 1998 Waste-in-Place (tons): Year Closed: 1996 B. LANDFILL GAS COLLECTION	
County: Cuyahoga Average Depth (feet): State: OH Waste-in-Place (tons): Year Opon: 1972 1998 Waste-in-Place (tons): Year Closed: 1996 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscftd): 2.52 LFG Collection System Status: Current LFG Collection System Required Under NSPS/EG: No CLIANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Construction Utilization System Statar Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Planned Capacity: OLIANDFILE BENEFITS OF UTILIZATION Utilization County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	
State: OH Waste-in-Place (tons): Year Open: 1972 1998 Waste-in-Place (tons): Year Closed: 1996 B. LANDFILL GAS COLLECTION	
Year Open: 1972 1998 Waste-in-Place (tons): Year Closed: 1996 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 2.52 LFG Collection System Status: Current LFG Collected (mmscf/d): No C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Construction Utilization System Statu Year: 1998 Electric Utility Provider(s): Energy Purchaser(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtuser) Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	
Year Closed: 1996 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 2.52 LFG Collection System Status: Current LFG Collection and Treatment System Required Under NSPS/EG: No CYLANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Construction Utilization System Type: Reciprocating Engine Utilization System Start Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): 305,407 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Co2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr)	8,200,330
Estimated Methane Generation (mmscf/d): Legal Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No CITY Collection and Treatment System Required Under NSPS/EG: No Current Utilization: Utilization System Status: Construction Utilization System Status: Utilization System Start Year: Electric Utility Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): Autility System Status: Current System Status: Current Methane Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr)	
Estimated Methane Generation (mmscf/d): LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C::LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Utilization System Status: Utilization System Start Year: Utilization System Status: Utilization Project (MW) OR Direct Use Project (mmBtus Stimated Potential Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 305,407 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project (CO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO8 (tons/yr) CO8 (tons/yr) CO9 (tons/yr)	
LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C: LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Utilization System Status: Utilization System Statu Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project (mmBtu Current Electricity Generation Project Direct Use Project (mmStu Current Active The Status of Co2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) A 3,795	
Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Construction Utilization System Start Year: 1998 Electric Utility Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): 305,407 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project OC2 (tons/yr) SO2 (tons/yr) Coal: 62,353 394 43,795	
Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Construction Utilization System Type: Reciprocating Engine Utilization System Start Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	
C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Construction Utilization System Type: Reciprocating Engine Utilization System Start Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 62,353 394 43,795	
Current Utilization: Utilization System Status: Utilization System Type: Reciprocating Engine Utilization System Start Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 62,353 394 43,795	
Utilization System Status: Construction Utilization System Type: Reciprocating Engine Utilization System Start Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	
Utilization System Type: Reciprocating Engine Utilization System Start Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	
Utilization System Start Year: 1998 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	
Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	
Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION	
Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 62,353 394 43,795	
Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 62,353 394 43,795	
Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): 305,407 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) CO3 43,795	
Current Capacity: Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 62,353 394 43,795	/hr)
Planned Capacity: Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): 305,407 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 62,353 394 43,795	79
Utilities in County: Cleveland Electric Illum Co; Cleveland Public Power D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): 205,407 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO7 (tons/yr) CO8 (tons/yr) CO9 (tons/yr) CO9 (tons/yr)	
D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 14,543 CO2 Equivalent of CH4 Reduction (tons/yr): 305,407 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) Coal: 62,353 394 43,795	
Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO8 (tons/yr) CO9 (tons/yr) CO9 (tons/yr) CO9 (tons/yr)	
Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) Coal: 14,543 305,407 Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr)	
CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: Coal: CO2 Equivalent of CH4 Reduction (tons/yr): SO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr)	
CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: Coal: CO2 Equivalent of CH4 Reduction (tons/yr): SO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr)	0
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr)	0
CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) Coal: 62,353 394 43,795	-
Coal: 62,353 394 43,795	ect
	SO2 (tons/yr)
Fuel Oil: 51,176 329 35,945	399
	210
Natural Gas: 34,412 0 24,170	0
E. CONTACT INFORMATION	
Landfill Owner Landfill Operator	
Contact Name: Timothy Haaf	
Mailing Address: 6315 Sam Center Road 28625 Ambina Drive	
Phone Number: 216-248-7703 216-498-5700	
Fax Number:	
* Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Pa	
STAP Version 1.0/1 MOP	ge: 14

			Defiance Cou	_ · ·		Landfill Ca	tegory: Candidate
		A. G	ENERAL LANDFILL	INFORMAT	ION		
Landfill Owner:				Annual Accep	tance Rate	(tons):	59,231
Landfill Owner Type:				Year Annual	Acceptance	Rate Reported:	1993
Alternative Landfill Name:	Webb B	rothers LF		Design Capac	ity (tons):		
City:	Defiance	e		Acres Current	ly Landfille	ed (acres):	55
County:	Defiance	e		Average Dept	h (feet):		
State:	OH			Waste-in-Place	e (tons):		2,548,679
Year Open:	1971			1998 Waste-in	n-Place (ton	s):	2,744,731
Year Closed:	2001						
		I	B. LANDFILL GAS C	OLLECTION	V		
Estimated Methane Generat	ion (mmscf/	(d):		1.12			
LFG Collection System Stat	-						
Current LFG Collected (mm							
Collection and Treatment Sy	stem Requ	ired Under NSF	PS/EG:	No			
	-		C. LANDFILL GAS U	TILIZATIO!	٧		
Current Utilization:							
Utilization System Stat	115:	Potential					
Utilization System Typ		Not Intereste	ed				
Utilization System Star		Not Intereste					
Electric Utility Provide			-				
Natural Gas Provider(s							
Energy Purchaser(s):	,						
Capacity:		Electrici	ty Generation Project (N	MW)	OR	Direct Use Project (m	mBtu/hr)
			., comoration region (Direct obe 116jest (iii	
Estimated Potential Ca	pacity:			4			35
Current Capacity:							
Planned Capacity:							
Utilities in County:		North Weste	m Elec Coop Inc; Ohio	Power Compa	any; Pauldin	ng-Putnam Elec Coop Inc	c; Toledo Edisor
		D. ENVIR	ROMENTAL BENEFI	TS OF UTIL	IZATION		
			Po	otential		Cur	rent
Methane Reduction (tons/yr,):	•			6,476		0
CO2 Equivalent of CH4 Rea	luction (ton	s/yr):			135,986		0
Emissions Avoided by Fossi	l Fuel Displ	lacement:	Electricity Ger	-		Direct Use	-
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
•		Coal:	27,625		175	19,500	177
		Fuel Oil:	22,673		146	16,005	93
	Na	tural Gas:	15,246		0	10,762	0
		!	E. CONTACT INFO	RMATION			
		Landfill (Landfill Operator	
Contact Name:		,		Timo	thy J. Houc	k	
Mailing Address: 500	Court Stree	ŧ		1320	7 Canal Roa	nd	
ividing Address.	Court Street			1320	r Canai Roa	···	
Phone Number: 419-	782-4761			: 410.5	782-5442		
	102-4101			419-	02-J 44 2		
Fax Number:				1			
* Itallicized indicates values	estimated b	y EPA.	De	ecember 5, 199	98	State: OH	Page: 15

			Doherty I			Landfill Category:	Candidate
		A. G	ENERAL LANDFILL	INFORMAT	TON		
Landfill Owner:	Dohert	y Sanitary LF, In	с.	Annual Accep	otance Rate	(tons):	70,758
Landfill Owner Type:	Private			Year Annual Acceptance Rate Reported:			1993
Alternative Landfill N	ame:			Design Capac	:		
City:	Geneva	1		Acres Curren	!		
County:	Ashtab	ula		Average Dept	:		
State:	ОН			Waste-in-Place (tons):			1,462,491
Year Open:	1978			1998 Waste-in-Place (tons):			1,616,437
Year Closed:	2008				·		
		1	B. LANDFILL GAS CO	DLLECTIO!	Ĭ		
Estimated Methane Ge	maration (mmsc	f/d).	<u> </u>	0.83	i de la companya de l		
LFG Collection System	-	μα).		0.65			!
Current LFG Collected							1
Collection and Treatm	•	uired Under NSD	S/EC:	No			
Conceilon and Treatm	chi System Requ		E. LANDFILL GAS U		V.		
			LANDFILL GAS C	IILIZATIO			
Current Utilization:							
Utilization Syster		Unknown					
Utilization Syster		Unknown					
Utilization Syster							
Electric Utility Pr							
Natural Gas Prov	• •						
Energy Purchaser	r(s):						
Capacity:		Electricit	y Generation Project (M	IW)	OR	Direct Use Project (mmBtu/h	-)
Estimated Potenti	ial Capacity:			3		The state of the s	26
Current Capacity:				_			
Planned Capacity							
Utilities in County:		Carroll Flect	ric Coop Inc. Cleveland	Flectric Illur	n Co: Ohio	Edison Company; South Central	Power
cumes in county.			OMENTAL BENEFI			24. South Company, South Contract	10.00
			· Pa	tential		Current	
Madana Dadaadaa (4)			FO	ieniiai	4,807	Current	0
Methane Reduction (to	• •				100,947		0
CO2 Equivalent of CH	4 Reauction (10)	us/yr):			100,947		U
Emissions Avoided by	Fossil Fuel Dist	olacement:	Electricity Gen	eration Proje	ct	Direct Use Project	t
•	•		CO2 (tons/yr)	SO2 (to			2 (tons/yr)
		Coal:	20,521		130	14,476	132
							132
		Fuel Oil:	16,843		108	11,881	69
	N	atural Gas:	11,325		0	7,989	0
			E. CONTACT INFO	RMATION			
		Landfill (Landfill Operator	
Contact Name:	John Doherty			John	Doherty		
	_				-		
Mailing Address:	2581 Tuttle Ro	oad		2581	Tuttle Road	1	
Phone Number:	216-466-4735			216-	466-7702		
Fax Number:	!						
* Itallicized indicates v	values estimated	by EPA.	De	cember 5, 19	98	State: OH Page	: 16

	7 3.4	A. G	Elda LF E NERAL LANDFILL		Landfill Car	tegory: Curren
Landfill Owner:		***************************************		Annual Acceptance Rate (<u>ः प्रश्</u> रेत	552,811
Landfill Owner Type:				Year Annual Acceptance F		1993
Alternative Landfill Name:	· Elda Re	cycling and Dis		Design Capacity (tons):	vaic reported.	1773
City:	Cincinn	- -	-	Acres Currently Landfilled	126	
County:	Hamilto			Average Depth (feet):	(uoros).	100
State:	OH	···		1994 Waste-in-Place (tons	s): ·	9,699,780
Year Open:	1971			1998 Waste-in-Place (tons		10,749,451
Year Closed:	1997			. s s o made m : made (nome	,	,,
	14 (14)		B. LANDFILL GAS CO	DLLECTION		
Estimated Methane Genera	ation (mmscf.	%d):		3.17		
LFG Collection System Sta	atus:		O	perational		
Current LFG Collected (ma	mscf/d):			2.5		
Collection and Treatment S	System Requ	ired Under NSF	PS/EG:	No		
			C. LANDFILL GAS U	TILIZATION	32 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Current Utilization:						
Utilization System Sta	atus:	Operational				• .
Utilization System Ty	pe:	Direct Thern	nal			
Utilization System Sta	art Year:	1988				
Electric Utility Provid	ler(s):					
Natural Gas Provider((s):					
Energy Purchaser(s):						
Capacity:		Electrici	ty Generation Project (N	1W) OR	Direct Use Project (mr	nBtu/hr)
Estimated Potential C	anacity:			1	- Direct Ose Project (iii.	
Estimated Potential C	Capacity:		· · · · · · · · · · · · · · · · · · ·	10	Direct Osc Project (iii	99
Current Capacity:	Capacity:			1	Direct Ose 1 toject (iii	
Current Capacity: Planned Capacity:	Capacity:	Dada Dada		10		99 52
Current Capacity: Planned Capacity:			•	10 oll Electric Coop Inc; Cinc		99 52
Current Capacity: Planned Capacity:	Capacity:		ROMENTAL BENEFI	oll Electric Coop Inc; Cinc	cinnati Gas & Electric C	99 52 o; Pioneer Rur
Current Capacity: Planned Capacity: Utilities in County:	\$ / <u>\$</u> / <u>\$</u>		ROMENTAL BENEFI	oll Electric Coop Inc; Cinc TS OF UTILIZATION otential		99 52 o; Pioneer Rur
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y	*r):	D. ENVII	ROMENTAL BENEFI	oll Electric Coop Inc; Cinc TS OF UTILIZATION Intential 18,313	cinnati Gas & Electric C	99 52 o; Pioneer Rur ent 9,636
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y	*r):	D. ENVII	ROMENTAL BENEFI	oll Electric Coop Inc; Cinc TS OF UTILIZATION otential	cinnati Gas & Electric C	99 52 o; Pioneer Rur
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	er): eduction (ton	s/yr):	ROMENTAL BENEFT	oll Electric Coop Inc; Cinc TS OF UTILIZATION otential 18,313 384,569	cinnati Gas & Electric C	99 52 o; Pioneer Rur ent 9,636 202,356
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	er): eduction (ton	s/yr):	ROMENTAL BENEFI	oll Electric Coop Inc; Cinc TS OF UTILIZATION otential 18,313 384,569 eration Project	cinnati Gas & Electric C	99 52 o; Pioneer Rur ent 9,636 202,356
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	er): eduction (ton	s/yr):	Electricity Gen	oll Electric Coop Inc; Cinc TS OF UTILIZATION otential 18,313 384,569	Cinnati Gas & Electric C Curr Direct Use CO2 (tons/yr)	99 52 o; Pioneer Rur ent 9,636 202,356
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	er): eduction (ton	s/yr): lacement: Coal:	Electricity Gen CO2 (tons/yr) 78,138	oll Electric Coop Inc; Cinc IS OF UTILIZATION otential 18,313 384,569 eration Project SO2 (tons/yr) 494	Direct Use CO2 (tons/yr) 55,147	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	er): eduction (ton sil Fuel Disp	D. ENVIF us/yr): lacement: Coal: Fuel Oil:	Electricity Gen CO2 (tons/yr) 78,138 64,132	oll Electric Coop Inc; Cinc TS OF UTILIZATION nential 18,313 384,569 eration Project SO2 (tons/yr) 494 413	Direct Use CO2 (tons/yr) 55,147 45,262	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502 264
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	er): eduction (ton sil Fuel Disp	D. ENVIENS Lacement: Coal: Fuel Oil: atural Gas:	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124	oll Electric Coop Inc; Cinc TS OF UTILIZATION ntential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0	Direct Use CO2 (tons/yr) 55,147	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	er): eduction (ton sil Fuel Disp	D. ENVIF us/yr): lacement: Coal: Fuel Oil: atural Gas:	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124 E. CONTACT INFO	oll Electric Coop Inc; Cinc TS OF UTILIZATION ntential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0	Direct Use CO2 (tons/yr) 55,147 45,262 30,435	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502 264
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss	er): eduction (ton sil Fuel Disp	D. ENVIENS Lacement: Coal: Fuel Oil: atural Gas:	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124 E. CONTACT INFO	oll Electric Coop Inc; Cinc TS OF UTILIZATION ntential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0 RMATION	Direct Use CO2 (tons/yr) 55,147 45,262	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502 264
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss	er): eduction (ton sil Fuel Disp	D. ENVIR	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124 E. CONTACT INFO	oll Electric Coop Inc; Cinc TS OF UTILIZATION ntential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0 RMATION	Direct Use CO2 (tons/yr) 55,147 45,262 30,435	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss	er): eduction (ton sil Fuel Disp	D. ENVIR	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124 E. CONTACT INFO	oll Electric Coop Inc; Cinc TS OF UTILIZATION ntential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0 RMATION	Direct Use CO2 (tons/yr) 55,147 45,262 30,435	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Mailing Address: 933	or): eduction (ton sil Fuel Disp	D. ENVIR	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124 E. CONTACT INFO	oll Electric Coop Inc; Cinc TS OF UTILIZATION Itential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0 RMATION John Stark 933 Frank Road	Direct Use CO2 (tons/yr) 55,147 45,262 30,435	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Mailing Address: 933	er): eduction (ton sil Fuel Disp	D. ENVIR	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124 E. CONTACT INFO	oll Electric Coop Inc; Cinc TS OF UTILIZATION ntential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0 RMATION	Direct Use CO2 (tons/yr) 55,147 45,262 30,435	99 52 o; Pioneer Rur 9,636 202,356 Project SO2 (tons/yr) 502 264
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Mailing Address: 933	or): eduction (ton sil Fuel Disp	D. ENVIR	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124 E. CONTACT INFO	oll Electric Coop Inc; Cinc TS OF UTILIZATION Itential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0 RMATION John Stark 933 Frank Road	Direct Use CO2 (tons/yr) 55,147 45,262 30,435	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Mailing Address: 933	or): eduction (ton sil Fuel Disp No 3 Frank Roac 4-272-0066	D. ENVIR	Electricity Gen CO2 (tons/yr) 78,138 64,132 43,124 E. CONTACT INFO Owner	oll Electric Coop Inc; Cinc TS OF UTILIZATION Itential 18,313 384,569 eration Project SO2 (tons/yr) 494 413 0 RMATION John Stark 933 Frank Road	Direct Use CO2 (tons/yr) 55,147 45,262 30,435	99 52 o; Pioneer Rur ent 9,636 202,356 Project SO2 (tons/yr) 502 264

		A. GEN	Erie County S ERAL LANDFILL I		Landfill Car	tegory: Candidat
					/ ₄	50 400
andfill Owner:		nty Commissione		Annual Acceptance Rate		72,423
andfill Owner Type:	Public			ear Annual Acceptance	Rate Reported:	1993
ltemative Landfill Na				Design Capacity (tons):		100
ity:	Milan			Acres Currently Landfille	ed (acres):	128
ounty:	Erie			verage Depth (feet):	• • • • • • • • • • • • • • • • • • • •	
ate:	ОН			Vaste-in-Place (tons):		2,106,641
ear Open:	1969			998 Waste-in-Place (ton	s):	2,257,116
ear Closed:	2002	TO T	ANDFILL GAS CO	LIECTION		
		···············	LANDFILL GAS CO			<u>,</u>
stimated Methane Ge	-	1):		1		
FG Collection System						
urrent LFG Collected		III I NODO	7.0	M.		
ollection and Treatme			EG: LANDFILL GAS UT	No No		
	* ,		LANDFILL GAS UI	ILIZATION		
arrent Utilization:	C4-4:	December 1				
Utilization System		Potential				
Utilization System	-	Unknown				
Utilization System						
Electric Utility Pr						
Natural Gas Provi						
Energy Purchaser	r(s):					
apacity:		Electricity (Generation Project (M	W) OR	Direct Use Project (mr	nBtu/hr)
apacity: Estimated Potenti	ial Capacity:	Electricity (Generation Project (M'	W) OR 3	Direct Use Project (mr	mBtu/hr)
		Electricity (Generation Project (M		Direct Use Project (mr	
Estimated Potenti	:	Electricity (Generation Project (M		Direct Use Project (mr	
Estimated Potenti Current Capacity:	:			3	Direct Use Project (mr	31
Estimated Potentic Current Capacity: Planned Capacity	:	Firelands Electr	ric Coop Inc; Hancock	3		31
Estimated Potentic Current Capacity: Planned Capacity tilities in County:	:	Firelands Electr	ric Coop Inc; Hancock	-Wood Electric Coop Inc		31 Inc; Milan Mun
Estimated Potentic Current Capacity: Planned Capacity tilities in County:	:	Firelands Electr	ric Coop Inc; Hancock	-Wood Electric Coop Inc	c; Lorain Medina R E C	31 Inc; Milan Mun
Estimated Potentic Current Capacity: Planned Capacity idities in County:	:	Firelands Electr	ric Coop Inc; Hancock	-Wood Electric Coop Inc S OF UTILIZATION ential	c; Lorain Medina R E C	31 Inc; Milan Mun
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to D2 Equivalent of CH	: v: ons/yr): 14 Reduction (tons,	Firelands Electr D. ENVIRO	ric Coop Inc; Hancock MENTAL BENEFIT Pote	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842	c; Lorain Medina R E C	Inc; Milan Mun ent 0
Estimated Potentic Current Capacity: Planned Capacity tillities in County:	: v: ons/yr): 14 Reduction (tons,	Firelands Electr D. ENVIRO	ric Coop Inc; Hancock MENTAL BENEFIT Pote Electricity Gene	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842	c; Lorain Medina R E C I Curr	31 Inc; Milan Mun Pent O O Project
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to D2 Equivalent of CH	: v: ons/yr): 14 Reduction (tons,	Firelands Electr D. ENVIRO	ric Coop Inc; Hancock MENTAL BENEFIT Pote	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842	c; Lorain Medina R E C	Inc; Milan Mun ent 0
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to D2 Equivalent of CH	: v: ons/yr): 14 Reduction (tons,	Firelands Electr D. ENVIRO	ric Coop Inc; Hancock MENTAL BENEFIT Pote Electricity Gene	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842	c; Lorain Medina R E C I Curr	31 Inc; Milan Mun Pent O O Project
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to D2 Equivalent of CH	: ons/yr): 14 Reduction (tons. Fossil Fuel Displa	Firelands Electr D. ENVIRO fyr): acement:	ric Coop Inc; Hancock MENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr)	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr)	C; Lorain Medina R E C Curr Direct Use CO2 (tons/yr)	Inc; Milan Mun ent O O Project SO2 (tons/yr)
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to D2 Equivalent of CH	: ons/yr): I4 Reduction (tons, Fossil Fuel Displa	Firelands Electr D. ENVIRO fyr): acement: Coal: Fuel Oil:	Electricity Gene CO2 (tons/yr) 24,468 20,082	3 -Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr) 155 129	Curr Direct Use CO2 (tons/yr) 17,329 14,223	Inc; Milan Mun ent 0 0 Project SO2 (tons/yr) 158
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to D2 Equivalent of CH	: ons/yr): 14 Reduction (tons, Fossil Fuel Displa	Firelands Electr D. ENVIRO (yr): acement: Coal: Fuel Oil: ural Gas:	Electricity Gene CO2 (tons/yr) 24,468 20,082 13,503	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr) 155 129 0	Curr Direct Use CO2 (tons/yr) 17,329 14,223 9,564	Inc; Milan Mun ent O Project SO2 (tons/yr)
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to D2 Equivalent of CH	: ons/yr): I4 Reduction (tons, Fossil Fuel Displa	Firelands Electr D. ENVIRO (yr): acement: Coal: Fuel Oil: ural Gas:	Electricity Gene CO2 (tons/yr) 24,468 20,082 13,503	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr) 155 129 0	Curr Direct Use CO2 (tons/yr) 17,329 14,223 9,564	Inc; Milan Mun ent 0 0 Project SO2 (tons/yr) 158
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to D2 Equivalent of CH	ons/yr): 14 Reduction (tons, Fossil Fuel Displa	Firelands Electr D. ENVIRO fyr): acement: Coal: Fuel Oil: ural Gas:	Electricity Gene CO2 (tons/yr) 24,468 20,082 13,503	3 -Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr) 155 129 0 RMATION	Curr Direct Use CO2 (tons/yr) 17,329 14,223 9,564	Inc; Milan Mun ent 0 0 Project SO2 (tons/yr) 158
Estimated Potentic Current Capacity: Planned Capacity Planned Capacity Edities in County: Planne Reduction (10) Equivalent of CH missions Avoided by Contact Name:	cons/yr): 14 Reduction (tons, Fossil Fuel Displa Nat	Firelands Electr D. ENVIRO fyr): cement: Coal: Fuel Oil: ural Gas: E Landfill Ow	Electricity Gene CO2 (tons/yr) 24,468 20,082 13,503	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr) 155 129 0 RMATION Jack Meyers	Curr Direct Use CO2 (tons/yr) 17,329 14,223 9,564 Landfill Operator	Inc; Milan Mun ent 0 0 Project SO2 (tons/yr) 158
Estimated Potentic Current Capacity: Planned Capacity tilities in County: ethane Reduction (to O2 Equivalent of CH missions Avoided by	ons/yr): 14 Reduction (tons, Fossil Fuel Displa Nat Dave Paulson 2900 South Colu	Firelands Electr D. ENVIRO fyr): cement: Coal: Fuel Oil: ural Gas: E Landfill Ow	Electricity Gene CO2 (tons/yr) 24,468 20,082 13,503	3 -Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr) 155 129 0 RMATION	Curr Direct Use CO2 (tons/yr) 17,329 14,223 9,564 Landfill Operator	Inc; Milan Mun ent O Project SO2 (tons/yr) 158
Estimated Potentic Current Capacity: Planned Capacity: Planned Capacity: Estimate in County: Estimate Reduction (10) (10) Equivalent of CH missions Avoided by Contact Name: ailing Address:	Dave Paulson 2900 South Colu P.O. Box 1180	Firelands Electr D. ENVIRO fyr): cement: Coal: Fuel Oil: ural Gas: E Landfill Ow	Electricity Gene CO2 (tons/yr) 24,468 20,082 13,503	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr) 155 129 0 RMATION Jack Meyers 2900 S Columbus	Curr Direct Use CO2 (tons/yr) 17,329 14,223 9,564 Landfill Operator	Inc; Milan Mun ent 0 0 Project SO2 (tons/yr) 158
Estimated Potentic Current Capacity: Planned Capacity Planned Capacity Edities in County: Planne Reduction (10) Equivalent of CH missions Avoided by Contact Name:	ons/yr): 14 Reduction (tons, Fossil Fuel Displa Nat Dave Paulson 2900 South Colu	Firelands Electr D. ENVIRO fyr): cement: Coal: Fuel Oil: ural Gas: E Landfill Ow	Electricity Gene CO2 (tons/yr) 24,468 20,082 13,503	-Wood Electric Coop Inc S OF UTILIZATION ential 5,754 120,842 eration Project SO2 (tons/yr) 155 129 0 RMATION Jack Meyers	Curr Direct Use CO2 (tons/yr) 17,329 14,223 9,564 Landfill Operator	Inc; Milan Mun ent 0 0 Project SO2 (tons/yr) 158

			Evergreen Recycling &	•		Landfill Category	: Current
		A. G	ENERAL LANDFILL I	NFORMAT	ION		
Landfill Owner:			Α	nnual Accep	tance Rate	(tons):	675,119
Landfill Owner Type:			Y	ear Annual	Acceptance	Rate Reported:	1993
Alternative Landfill N	Name: Evergre	een LF	D	esign Capac	ity (tons):		
City:	Northw	ood	A	cres Current	ly Landfille	ed (acres):	
County:	Wood		Α	verage Dept	h (feet):		
State:	ОН		W	/aste-in-Plac	e (tons):		9,005,836
Year Open:	1973		19	998 Waste-ir	-Place (ton	es):	9,756,323
Year Closed:	2013						
	100	1	B. LANDFILL GAS CO	LLECTION	I		
Estimated Methane G	eneration (mmsc	f/d):		2.91			
LFG Collection Syste	·						
Current LFG Collecte							
Collection and Treatn	nent System Requ	uired Under NSI	PS/EG:	No			
			C. LANDFILL GAS UT	ILIZATION	V		
Current Utilization:							
Utilization Syste	m Status:	Construction	1	^			
Utilization Syste		Boiler					
Utilization Syste	= =	1999					
Electric Utility P							
Natural Gas Prov							
Energy Purchase							
	, ,						
Capacity:		Electrici	ty Generation Project (M	W) (OR	Direct Use Project (mmBtu/l	hr)
Estimated Potent	tial Capacity:			9			91
Current Capacity	/ :						
Planned Capacity	y:						
Utilities in County:		Bloomdale I	Muni I t & Power Dent: R	owling Gree	n Elec Dent	; Bradner Munic Elec Light &	Water D
oundes in county.			•		•	i, Bradier Waine Diec Bight &	
		D. ENVII	ROMENTAL BENEFIT:	SUFUIL.	IZATION	·	
			Pote	ential		Current	
Methane Reduction (t					16,844		0
CO2 Equivalent of CI	H4 Reduction (to	ns/yr):			353,728		0
Emissions Avoided by	Fossil Fuel Dist	ola amenti	Electricity Gene	nation Duois		Direct Use Projec	at .
Emissions Avoided by	rossu ruei Disp	насетені.	-	SO2 (to		_	02 (tons/yr)
			CO2 (tons/yr)	302 (10)			
		Coal:	71,824		454	50,724	462
		Fuel Oil:	58,950		379	41,632	243
	N	atural Gas:	39,639		0	27,994	0
			E. CONTACT INFOR	MATION		<u> </u>	
		Landfill				Landfill Operator	
Contact Name:	John Barbush	· · · · · · · · · · · · · · · · · · ·		Iohn	Barbush	* ,	
	}						
Mailing Address:	2625 East Broa	aaway		2625	East Broad	way	
				1			
Phone Number:	419-666-5136			419-6	666-5136		
Fax Number:	!			•			
* Itallicized indicates	values estimated	by EPA.	Dec	ember 5, 199	98	State: OH Page	e: 19

B. Under NSPS Cotential	Y D A A 1 19 3. LANDFILL GAS CO	nnual Acceptance Rate (tear Annual Acceptance Resign Capacity (tons): cres Currently Landfilled verage Depth (feet): 997 Waste-in-Place (tons) 298 Waste-in-Place (tons) LLECTION 2.22 No HLIZATION	tate Reported: (acres):):	430,460 1996 29,800,000 116 6,400,000 7,040,000
Under NSPS Cotential Jnknown	Y D A A 1 1 9 S. LANDFILL GAS COI S/EG:	ear Annual Acceptance Resign Capacity (tons): cres Currently Landfilled verage Depth (feet): 997 Waste-in-Place (tons) 998 Waste-in-Place (tons) 2.22 No ILIZATION OR	ate Reported: (acres):):	1996 29,800,000 116 6,400,000 7,040,000
Under NSPS Correctial	D A A 1 19 S. LANDFILL GAS COI S/EG: 2. LANDFILL GAS UT	esign Capacity (tons): cres Currently Landfilled verage Depth (feet): 997 Waste-in-Place (tons) 998 Waste-in-Place (tons) LLECTION 2.22 No ILIZATION	(acres):):	29,800,000 116 6,400,000 7,040,000
Under NSPS Correctial	A A 1 19 S. LANDFILL GAS COI S/EG:	cres Currently Landfilled verage Depth (feet): 997 Waste-in-Place (tons) 998 Waste-in-Place (tons) LLECTION 2.22 No ILIZATION):	6,400,000 7,040,000 Btu/hr)
Under NSPS Correctial	A 1 19 3. LANDFILL GAS COI S/EG: 2. LANDFILE GAS UT)	verage Depth (feet): 997 Waste-in-Place (tons) 998 Waste-in-Place (tons) LLECTION 2.22 No ILIZATION):	6,400,000 7,040,000
Under NSPS Correctial	1 S. LANDFILL GAS COI S/EG: 2: LANDFILL GAS UT	997 Waste-in-Place (tons) 998 Waste-in-Place (tons) LLECTION 2.22 No ILIZATION):	7,040,000
Under NSPS Correctial	S. LANDFILL GAS COL	998 Waste-in-Place (tons) LLECTION 2.22 No HLIZATION W) OR):	7,040,000
Under NSPS Correctial	S. LANDFILL GAS COI	LLECTION 2.22 No ILIZATION W) OR		Btu/hr)
Under NSPS Correctial	S/EG: LANDFILL GAS UT	2.22 No HLIZATION W) OR	Direct Use Project (mm)	
Under NSPS Correctial	S/EG: LANDFILL GAS UT	2.22 No HLIZATION W) OR	Direct Use Project (mm)	
Potential Jnknown	Z. LANDFILL GAS UT	No ILIZATION W) OR	Direct Use Project (mm)	
Potential Jnknown	Z. LANDFILL GAS UT	ILIZATION . W) OR	Direct Use Project (mm)	
Potential Jnknown	Z. LANDFILL GAS UT	ILIZATION . W) OR	Direct Use Project (mm)	
Potential Jnknown	Z. LANDFILL GAS UT	ILIZATION . W) OR	Direct Use Project (mm)	
Jnknown	y Generation Project (MV		Direct Use Project (mm)	
Jnknown	y Generation Project (MV		Direct Use Project (mm)	
Jnknown	y Generation Project (MV		Direct Use Project (mm)	
Electricity	y Generation Project (MV		Direct Use Project (mm)	
Electricity	y Generation Project (MV		Direct Use Project (mm)	
Electricity	y Generation Project (MV		Direct Use Project (mm)	
Electricity	y Generation Project (MV		Direct Use Project (mm)	
Electricity	y Generation Project (MV		Direct Use Project (mm)	
Biccinenty	y Generation Project (NIV		Direct Ose Project (Illino	
		/		69

Columbus Di	v of Elec; Columbus Sou	thern Power Co; Delawa	re Rural Elec Coop Inc; I	icking Rural
D. ENVIR	OMENTAL BENEFITS	S OF UTILIZATION		
	Pote	ential	Curre	nt
		12,827		0
):		269,373		0
ment:	Electricity Gener		Direct Use P	•
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	54,460	344	38,628	352
uel Oil:	44,698	288	31,704	185
al Gas:	30,056	. 0	21,318	0
	E. CONTACT INFOR	MATION		
Landfill O	Owner		Landfill Operator	
eport Rd.			veport Rd.	
		014-07129320		
		ember 5, 1998	State: OH	Page: 20
'PA	l land	UIIIUUI J, 1770	State. Off	1 ugc. 20
	uel Oil: al Gas: Landfill C	el Oil: 44,698 al Gas: 30,056 E. CONTACT INFOR Landfill Owner	Coal: 54,460 344 tel Oil: 44,698 288 al Gas: 30,056 0 E. CONTACT INFORMATION Landfill Owner	Coal: 54,460 344 38,628 tel Oil: 44,698 288 31,704 al Gas: 30,056 0 21,318 E. CONTACT INFORMATION Landfill Owner Landfill Operator eport Rd. 3851 London Groveport Rd. Suite 203 614-871-9528

			Hancock County S	· · · · · · · · · · · · · · · · · · ·		Landfill Cate	gory: Candidate
		A. GEI	NERAL LANDFILL	INFORMAT	TON		
Landfill Owner:	Hancoo	ck County Commis	sioners	Annual Accep	tance Rate (to	ons):	72,270
Landfill Owner Type:	Public			Year Annual A	Acceptance R	ate Reported:	1993
Alternative Landfill N	lame:			Design Capac	ity (tons):		
City:	Findlay	,		Acres Current	ly Landfilled	(acres):	30
County:	Hancoo	ck .		Average Dept			
State:	ОН			1998 Waste-i	, ,		4,000,000
Year Open:	1969			1998 Waste-ir	ı-Place (tons)	:	4,000,000
Year Closed:	2065						
		B.	LANDFILL GAS CO	DLLECTION	I		
Estimated Methane G	eneration (mmsc	f/d):		1.44			
LFG Collection Syste				•	•		
Current LFG Collecte							
Collection and Treatn	nent System Requ			No			
		C.	LANDFILL GAS U	FILIZATION	N .		
Current Utilization:							
Utilization Syste		Potential					
Utilization Syste		Unknown					
Utilization Syste							
Electric Utility P							
Natural Gas Prov							
Energy Purchase	r(s):						
Capacity:		Electricity	Generation Project (M	1W) (OR	Direct Use Project (mml	Stu/hr)
	·: -1 C			5			45
Estimated Potent				3			43
Current Capacity							
Planned Capacity	y. 						***************************************
Utilities in County:		Hancock-Woo	d Electric Coop Inc; N	lorth Central I	Elec Coop Inc	; Ohio Power Company;	United Rural
		D. ENVIRO	MENTAL BENEFI	IS OF UTIL	IZATION		
			Po	tential		Currer	 1t
Methane Reduction (t	ons/vr):				8,332		0
CO2 Equivalent of CI	-	ns/vr):			174,968		0
Emissions Avoided by	Fossil Fuel Disp	placement:	Electricity Gen	eration Projec	ct	Direct Use P	roject
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	35,517		225	25,090	228
		Fuel Oil:	29,151		188	20,593	120
	λ/	atural Gas:	19,602		0	13,847	0
	IV				<u> </u>	13,047	U
		Landfill Ov	E. CONTACT INFO wner	RMATION		Landfill Operator	
Contact Name:	Scott Strahley			Scott	Strahley		
Mailing Address:	300 South Mai	n Street		300 S	outh Main St	reet	
-				1			
Phone Number:	419-424-7044			419-4	24-7044		
Fax Number:				!			
* Itallicized indicates	values estimated	by EPA.	De	cember 5, 199	98	State: OH	Page: 21
1							-

Hardy Road LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION 364,179 Landfill Owner: Annual Acceptance Rate (tons): 1993 Landfill Owner Type: Year Annual Acceptance Rate Reported: Alternative Landfill Name: Design Capacity (tons): City: Akron Acres Currently Landfilled (acres): County: Summit Average Depth (feet): State: OH Waste-in-Place (tons): 6.014.112 1969 6,443,691 Year Open: 1998 Waste-in-Place (tons): 2001 Year Closed: B. LANDFILL GAS COLLECTION 2.07 Estimated Methane Generation (mmscf/d): LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Unknown **Utilization System Type:** Medium Btu Utilization System Start Year: 1997 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Direct Use Project (mmBtu/hr) Capacity: Electricity Generation Project (MW) OR Estimated Potential Capacity: 7 65 Current Capacity: Planned Capacity: Cleveland Electric Illum Co; Cuyahoga Falls Elec Syst; Hudson Muni Electric Dept; Ohio Edison Con **Utilities in County:** D. ENVIROMENTAL BENEFITS OF UTILIZATION Current **Potential** Methane Reduction (tons/yr): 11,946 0 0 CO2 Equivalent of CH4 Reduction (tons/yr): 250,856 Direct Use Project Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) 51,303 324 35,972 327 Coal: Fuel Oil: 42,107 29,524 271 172 0 Natural Gas: 28,313 19,853 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Kenneth Kostura Kenneth Kostura 166 South High Street Mailing Address: 166 South High Street Room 201 Room 201 Phone Number: 216-375-2270 216-375-2270 Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH Page: 22



			Hoffman Road Sanita		Landfill Cate	gory: Candidate
		A. Gl	ENERAL LANDFILL IN	FORMATION		
Landfill Owner:			Anı	nual Acceptance Rate	(tons):	177,104
Landfill Owner Type	e:		Yea	ar Annual Acceptance	Rate Reported:	1993
Alternative Landfill	Name:		Des	sign Capacity (tons):		
City:	Toledo		Acr	es Currently Landfille	ed (acres):	
County:	Lucas		Ave	erage Depth (feet):		
State:	ОН		Wa	ste-in-Place (tons):		6,344,510
Year Open:	1974		199	8 Waste-in-Place (to	ns):	6,896,208
Year Closed:	2004					
		I	. LANDFILL GAS COLI	LECTION		
Estimated Methane	Generation (mmscf/c	t):		2.18		
LFG Collection Syst						
Current LFG Collect						
Collection and Treat	tment System Requir			No		
		(C. LANDFILL GAS UTIL	IZATION		
Current Utilization:						
Utilization Syst		Planned				
Utilization Syst		Direct Thern	nal			
Utilization Syst						
Electric Utility	Provider(s):					
Natural Gas Pro	` '					
Energy Purchas	ser(s):					
Capacity:		Electricit	y Generation Project (MW) OR	Direct Use Project (mml	Btu/hr)
Estimated Potes	ntial Capacity:			7		68
Current Capaci						
Planned Capaci	ity:					
Heiliei - i - C	<u> </u>	T-1-4- D4:	T. C T. C			<u> </u>
Utilities in County:			on Company; TriCounty Ru			
		D. ENVIR	OMENTAL BENEFITS	OF UTILIZATION		
			Poten	tial	Currer	nt
Methane Reduction	(tons/yr):			12,615		0
CO2 Equivalent of C	CH4 Reduction (tons	/yr):		264,909		0
r · · · · · · · · · · · · · · · · · · ·			El		D: . W D	
Emissions Avoided b	by Fossil Fuel Displa	icement:	Electricity Genera	•	Direct Use P	•
			CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	53,671	339	37,987	346
		Fuel Oil:	44,051	284	31,178	182
	Nat	ural Gas:	29,620	0	20,965	0
<u> </u>		Landfill (E. CONTACT INFORM Owner	IATION	Landfill Operator	
Contact Name:	Mr. K. E. Newro	nes	·	Mike Justen, P.E	E., Commissioner	
Mailing Address	2411 Albion Stre			2411 Albion Str		
Mailing Address:	2411 Albion Stre	EL		2411 Aldion Str	CCI	
Dhana Niverber						•
Phone Number:	419-936-2510			419-936-3077		
Fax Number:				!		
* Itallicized indicates	s values estimated by	EPA.	Decen	nber 5, 1998	State: OH	Page: 23
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			Huron Count	-		Landfill Cate	egory:	Candidate
		A. Gl	ENERAL LANDFILL	INFORM	ATION			
Landfill Owner:	Huron	County Commiss	ioners	Annual Acc	eptance Rate (t	ons):		36,006
Landfill Owner Type:	Public		•	Year Annua	l Acceptance F	Rate Reported:		1993
Alternative Landfill N	lame:		I	Design Cap	acity (tons):			
City:	Willard	i	,	Acres Curre	ntly Landfilled	(acres):		
County:	Huron		1	Average De	pth (feet):			
State:	ОН		•	Waste-in-Pl	ace (tons):			1,464,341
Year Open:	1969		i	1998 Waste-in-Place (tons):				1,568,937
Year Closed:	2008							
		В	. LANDFILL GAS CO)LLECTIO)N			777
Estimated Methane G	eneration (mmsc	rf/d):		0.82				
LFG Collection Syste	m Status:							
Current LFG Collecte	d (mmscf/d):							
Collection and Treatm	nent System Req	uired Under NSP	S/EG:	No				
		(. LANDFILL GAS U	FILIZATI	ON			
Current Utilization:								
Utilization System	m Status:	Unknown						
Utilization Syste		Unknown						
Utilization Syste								
Electric Utility P						·		
Natural Gas Prov				•				
Energy Purchase	* *							
	,							
Capacity:		Electricit	y Generation Project (M	IW)	OR	Direct Use Project (mm	Btu/hr))
Estimated Potent	ial Capacity:			3				26
Current Capacity								
Planned Capacity	/ :							
Utilities in County:						orain Medina R E C Inc;	Monro	beville
		D. ENVIR	OMENTAL BENEFIT	IS OF UT	LIZATION			
			Po	tential		Curre	nt	
Methane Reduction (to	ons/yr):				4,737			0
CO2 Equivalent of CF	H4 Reduction (to	ns/yr):			99,473			0
Emissions Avoided by	Fossii Fuei Disj	placement:	Electricity Gene		1	Direct Use F	•	1 ()
			CO2 (tons/yr)	302 (tons/yr)	CO2 (tons/yr)	302	(tons/yr)
		Coal:	20,521		130	14,264		130
		Fuel Oil:	16,843		108	11,707		68
	λ	latural Gas:	11,325		0	7,872		0
						7,072	_	
		Landfill (E. CONTACT INFO	RMATIO	١	Landfill Operator		
	T	Landini				Landini Operator		
Contact Name:	Peter Welch			Pet	er Welch			
Mailing Address:	180 Milan Ave	enue		180	Milan Avenue	:		
Phone Number:	419-668-3092			A10	9-774-2413			
	717 000-3092			713	-117-6413			
Fax Number:								
* Itallicized indicates	values estimated	by EPA.	De	cember 5, 1	998	State: OH	Page:	24
		-						

		A C	Kimble Sanitary ENERAL LANDFILL 11			Landfill Cate	gory: Candidate
Lateno		74. 9	man and the state of the state	making	D-4- (4)		25
Landfill Owner:				nnual Acceptance		•	364,179
Landfill Owner Type				ear Annual Accept	=	ea:	1993
Alternative Landfill				esign Capacity (to			20
City:	Dover Tuscarawa			cres Currently Lanverage Depth (feet			20
County: State:	OH	as		verage Deptil (feet aste-in-Place (tons			6 611 094
Year Open:	1976			998 Waste-in-Place	· ·		6,611,084 7,240,711
Year Closed:	2027		13	790 waste-in-1 tact	e (tons).		7,240,711
Tear Closed.	2027	<i>[]</i>	B. LANDFILL GAS CO	LLECTION			
Estimated Methane	Generation (mmscf/d)):		2.27			
LFG Collection Syst	•						
Current LFG Collect	ted (mmscf/d):						
Collection and Treat	ment System Require	ed Under NSI	PS/EG:	No			
74,757.	3773	3.8577	C. LANDFILL GAS UT	ILIZATION	75 (1)		
Current Utilization:	•						
Utilization Syst	em Status:	Potential				•	
Utilization Syst	em Type:	Reciprocatir	ng Engine				
Utilization Syst	em Start Year:						
Electric Utility	Provider(s):						
Natural Gas Pro	ovider(s):						
Energy Purchas	ser(s):						
Capacity:		Electrici	ty Generation Project (MV	W) OR	Direct Use	e Project (mml	Stu/hr)
Estimated Poter	ntial Canacity:						
				7			71
	· · ·			7			71
Current Capacit	ty:			7			71
Current Capacion Planned Capacion Capaci	ty:						
Current Capacit	ty:		tric Coop Inc; Dover, City	of; Frontier Powe		nsey-Musking	
Current Capacion Planned Capacion Capaci	ty:		tric Coop Inc; Dover, City	of; Frontier Powe		nsey-Musking	
Current Capacion Planned Capacion Capaci	ty:		ROMENTAL BENEFITS	of; Frontier Powe		nsey-Musking Currer	um El Coop Iı
Current Capacion Planned Capacion Capaci	ty:		ROMENTAL BENEFITS	of; Frontier Powe	ION		um El Coop Iı
Current Capacit Planned Capaci Utilities in County: Methane Reduction	ty:	D. ENVII	ROMENTAL BENEFITS	of; Frontier Powe	ION 24		um El Coop Iı
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C	ty: ity: (tons/yr): CH4 Reduction (tons/	D. ENVII	ROMENTAL BENEFITS Pote	of; Frontier Powers OF UTILIZATION 13,12 275,60	ION 24	Currer	um El Coop Iı nt 0
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C	ty: ity: (tons/yr):	D. ENVII	Pote Electricity General	of; Frontier Powers OF UTILIZAT) ential 13,12 275,66 ration Project	1 ON 24 06	Currer Direct Use P	um El Coop Iı t 0 0 roject
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C	ty: ity: (tons/yr): CH4 Reduction (tons/	D. ENVII	Pote Electricity General CO2 (tons/yr)	of; Frontier Powers of; Frontier Powers of UTILIZAT	24 06 CO2	Currer Direct Use P (tons/yr)	um El Coop Iı t 0 roject SO2 (tons/yr)
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C	ty: ity: (tons/yr): CH4 Reduction (tons/	D. ENVII	Pote Electricity General	of; Frontier Powers OF UTILIZAT) ential 13,12 275,66 ration Project	24 06 CO2	Currer Direct Use P	um El Coop Iı t 0 roject SO2 (tons/yr)
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C	ty: (tons/yr): CH4 Reduction (tons/yr) ry Fossil Fuel Displace	D. ENVII	Pote Electricity General CO2 (tons/yr)	of; Frontier Powers of; Frontier Powers of UTILIZAT	24 06 CO2	Currer Direct Use P (tons/yr)	um El Coop Iı nt 0
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C	ty: (tons/yr): CH4 Reduction (tons/yr) by Fossil Fuel Displace	D. ENVII	Electricity General CO2 (tons/yr) 56,039	of; Frontier Power SOF UTILIZATI ential 13,12 275,66 ration Project SO2 (tons/yr) 354	24 06 CO2	Currer Direct Use P (tons/yr) 39,522	um El Coop li 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C Emissions Avoided b	ty: (tons/yr): CH4 Reduction (tons/yr) by Fossil Fuel Displace	yr): cement: Coal: Fuel Oil:	Electricity General CO2 (tons/yr) 56,039 45,994 30,927	of; Frontier Power SOF UTILIZAT	10N 24 06 CO2	Currer Direct Use P (tons/yr) 39,522 32,438	um El Coop li t 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C	ty: (tons/yr): CH4 Reduction (tons/yr) by Fossil Fuel Displace	yr): cement: Coal: Fuel Oil:	Electricity General CO2 (tons/yr) 56,039 45,994 30,927 E. CONTACT INFOR	of; Frontier Power SOF UTILIZAT	CO2	Currer Direct Use P (tons/yr) 39,522 32,438	um El Coop li t 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C Emissions Avoided b	ty: (tons/yr): CH4 Reduction (tons/yr) by Fossil Fuel Displace Natu	yr): cement: Coal: Fuel Oil: ural Gas:	Electricity General CO2 (tons/yr) 56,039 45,994 30,927 E. CONTACT INFOR	of; Frontier Power SOF UTILIZATE 13,17 275,60 ration Project SO2 (tons/yr) 354 296 0 MATION	Landfill	Currer Direct Use P (tons/yr) 39,522 32,438 21,811	um El Coop li t 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capacit Planned Capacit Utilities in County: Methane Reduction (CO2 Equivalent of C Emissions Avoided b	ty: ity: (tons/yr): CH4 Reduction (tons/yr) ry Fossil Fuel Displace Natural	yr): cement: Coal: Fuel Oil: ural Gas:	Electricity General CO2 (tons/yr) 56,039 45,994 30,927 E. CONTACT INFOR	of; Frontier Power Sof UTILIZATI ential 13,12 275,60 ration Project SO2 (tons/yr) 354 296 0 MATION Floyd Kimb	Landfill	Currer Direct Use P (tons/yr) 39,522 32,438 21,811	um El Coop Iı 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capacit Planned Capacit Utilities in County: Methane Reduction (CO2 Equivalent of C Emissions Avoided b	ty: (tons/yr): CH4 Reduction (tons/yr) ry Fossil Fuel Displace Natural Floyd Kimble Route 1	yr): cement: Coal: Fuel Oil: ural Gas:	Electricity General CO2 (tons/yr) 56,039 45,994 30,927 E. CONTACT INFOR	of; Frontier Power SOF UTILIZATION 13,17 275,60 ration Project SO2 (tons/yr) 354 296 0 MATION Floyd Kimban Route 1	Landfill	Currer Direct Use P (tons/yr) 39,522 32,438 21,811	um El Coop Iı 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C Emissions Avoided b Contact Name: Mailing Address:	ty: ty: ty: (tons/yr): CH4 Reduction (tons/yr) ry Fossil Fuel Displace Natural Floyd Kimble Route 1 Box 386	yr): cement: Coal: Fuel Oil: ural Gas:	Electricity General CO2 (tons/yr) 56,039 45,994 30,927 E. CONTACT INFOR	of; Frontier Power SOF UTILIZATION 13,17 275,60 ration Project SO2 (tons/yr) 354 296 0 MATION Floyd Kimbon Route 1 Box 386	Landfill	Currer Direct Use P (tons/yr) 39,522 32,438 21,811	um El Coop Iı 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C Emissions Avoided b Contact Name: Mailing Address: Phone Number:	ty: (tons/yr): CH4 Reduction (tons/yr) ry Fossil Fuel Displace Natural Floyd Kimble Route 1	yr): cement: Coal: Fuel Oil: ural Gas:	Electricity General CO2 (tons/yr) 56,039 45,994 30,927 E. CONTACT INFOR	of; Frontier Power SOF UTILIZATION 13,17 275,60 ration Project SO2 (tons/yr) 354 296 0 MATION Floyd Kimban Route 1	Landfill	Currer Direct Use P (tons/yr) 39,522 32,438 21,811	um El Coop li t 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C Emissions Avoided b Contact Name: Mailing Address:	ty: ty: ty: (tons/yr): CH4 Reduction (tons/yr) ry Fossil Fuel Displace Natural Floyd Kimble Route 1 Box 386	yr): cement: Coal: Fuel Oil: ural Gas:	Electricity General CO2 (tons/yr) 56,039 45,994 30,927 E. CONTACT INFOR	of; Frontier Power SOF UTILIZATION 13,17 275,60 ration Project SO2 (tons/yr) 354 296 0 MATION Floyd Kimbon Route 1 Box 386	Landfill	Currer Direct Use P (tons/yr) 39,522 32,438 21,811	um El Coop Iı 0 0 roject SO2 (tons/yr) 360
Current Capacit Planned Capaci Planned Capaci Utilities in County: Methane Reduction (CO2 Equivalent of C Emissions Avoided b Contact Name: Mailing Address: Phone Number: Fax Number:	ty: ty: ty: (tons/yr): CH4 Reduction (tons/yr) ry Fossil Fuel Displace Natural Floyd Kimble Route 1 Box 386	D.ENVII cement: Coal: Fuel Oil: ural Gas: Landfill	Electricity General CO2 (tons/yr) 56,039 45,994 30,927 E. CONTACT INFOR	of; Frontier Power SOF UTILIZATION 13,17 275,60 ration Project SO2 (tons/yr) 354 296 0 MATION Floyd Kimbon Route 1 Box 386	Landfill Dle	Currer Direct Use P (tons/yr) 39,522 32,438 21,811 Operator	um El Coop li t 0 0 roject SO2 (tons/yr) 360

			Laidlaw Waste	-		Landfill Cat	egory: Candidate
	·	A. G	ENERAL LANDFIL	L INFORMAT	TON		
Landfill Owner:	Allied W	aste (old LWS)	Annual Accep			360,827
Landfill Owner Type:	Private				-	Rate Reported:	1993
Alternative Landfill Name:		-	F, Cherokee Run LF	Design Capac	=	1 ()	00
City:	Bellefont	aine		Acres Current	-	i (acres):	90
County:	Logan			Average Dept 1998 Waste-i		·)·	6,000,000
State: Year Open:	OH 1972			1998 Waste-ii	•	•	6,000,000
Year Closed:	2012			1990 Wasie-ii	i-i iace (ions	<i>).</i>	0,000,000
Teal Closed.	2012	I	B. LANDFILL GAS (COLLECTION	V		
Estimated Methane Genera	ation (mmscf/a			1.95		<u></u>	
LFG Collection System Sta	· · · · · · · · · · · · · · · · · · ·	•/-		1.75			
Current LFG Collected (mr				11.2			
Collection and Treatment S		red Under NSF	PS/EG:	No			
	1000		C. LANDFILL GAS	UTILIZATIO!	4		
Current Utilization:							
Utilization System Sta	atus:	Planned				•	
Utilization System Ty	ype:	Leachate Ev	aporation				
Utilization System Sta	art Year:	1999					
Electric Utility Provid	der(s):						
Natural Gas Provider((s):						
Energy Purchaser(s):		TBD					
Capacity:		Electrici	ty Generation Project ((MW)	OR	Direct Use Project (mn	nBtu/hr)
Capacity: Estimated Potential C	Capacity:	Electrici	ty Generation Project ((MW) 6	OR	Direct Use Project (mn	nBtu/hr)
	Capacity:	Electrici	ty Generation Project (OR	Direct Use Project (mn	
Estimated Potential C	Capacity:	Electrici	ty Generation Project (OR	Direct Use Project (mn	
Estimated Potential C Current Capacity:	Capacity:			6		Direct Use Project (mn	61 233
Estimated Potential C Current Capacity: Planned Capacity:	Capacity:	Dayton Pow		6 ew Munic Wate	er & Light Sy		61 233
Estimated Potential C Current Capacity: Planned Capacity:	Capacity:	Dayton Pow	er & Light Co; Lakevi ROMENTAL BENER	6 ew Munic Wate	er & Light Sy		61 233 • P&L Assn Inc
Estimated Potential C Current Capacity: Planned Capacity:		Dayton Pow	er & Light Co; Lakevi ROMENTAL BENER	6 ew Munic Wate	er & Light Sy	ystem; Logan Cnty Coop	61 233 • P&L Assn Inc
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y	or):	Dayton Pow	er & Light Co; Lakevi ROMENTAL BENER	ew Munic Wate	er & Light Sy	ystem; Logan Cnty Coop	61 233 P&L Assn Inc
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	vr): eduction (tons.	Dayton Pow D. ENVIR	er & Light Co; Lakevi ROMENTAL BENER	ew Munic Wate	11,289 237,077	ystem; Logan Cnty Coop Curr	61 233 9 P&L Assn Inc ent 43,169 906,555
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y	vr): eduction (tons.	Dayton Pow D. ENVIR	er & Light Co; Lakevi ROMENTAL BENER	ew Munic Wate TTS OF UTIL Potential eneration Proje	11,289 237,077	ystem; Logan Cnty Coop Curr	61 233 P&L Assn Inc ent 43,169 906,555
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	vr): eduction (tons.	Dayton Pow D. ENVIR	er & Light Co; Lakevi ROMENTAL BENER Electricity Go CO2 (tons/yr)	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr)	Oirect Use	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr)
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	vr): eduction (tons.	Dayton Pow D. ENVIR	er & Light Co; Lakevi ROMENTAL BENER	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077	ystem; Logan Cnty Coop Curr	61 233 9 P&L Assn Inc ent 43,169 906,555
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	vr): eduction (tons.	Dayton Pow D. ENVIF (yr): acement:	er & Light Co; Lakevi ROMENTAL BENER Electricity Go CO2 (tons/yr)	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr)	Oirect Use	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr)
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	or): eduction (tons, sil Fuel Displa	Dayton Pow D. ENVIF /yr): acement: Coal:	er & Light Co; Lakevi ROMENTAL BENEF Electricity Go CO2 (tons/yr) 48,146	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ins/yr)	Oirect Use CO2 (tons/yr) 33,996	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr) 309
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	or): eduction (tons, sil Fuel Displa	Dayton Pow Pyr): acement: Coal: Fuel Oil:	er & Light Co; Lakevi ROMENTAL BENEF Electricity Go CO2 (tons/yr) 48,146 39,516	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr) 304 254	Direct Use CO2 (tons/yr) 33,996 27,903	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr) 309 163
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss	or): eduction (tons, sil Fuel Displa	Dayton Pow Pyr): acement: Coal: Fuel Oil:	er & Light Co; Lakevi ROMENTAL BENEF Electricity Ge CO2 (tons/yr) 48,146 39,516 26,571 E. CONTACT INF	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr) 304 254	Direct Use CO2 (tons/yr) 33,996 27,903	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr) 309 163
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss	or): eduction (tons, sil Fuel Displa	Dayton Pow D. ENVII Ayr): Coal: Fuel Oil: Fural Gas: Landfill	er & Light Co; Lakevi ROMENTAL BENEF Electricity Ge CO2 (tons/yr) 48,146 39,516 26,571 E. CONTACT INF	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr) 304 254	Direct Use CO2 (tons/yr) 33,996 27,903 18,762	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr) 309 163
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name:	or): eduction (tons, sil Fuel Displa Nat	Dayton Pow D. ENVIE Lyr): Coal: Fuel Oil: Fural Gas: Landfill o	er & Light Co; Lakevi ROMENTAL BENEF Electricity Ge CO2 (tons/yr) 48,146 39,516 26,571 E. CONTACT INF	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr) 304 254 0	Direct Use CO2 (tons/yr) 33,996 27,903 18,762 Landfill Operator	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr) 309 163
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Too Mailing Address: 294	vr): eduction (tons, sil Fuel Displa Nat	Dayton Pow D. ENVIE Lyr): Coal: Fuel Oil: Fural Gas: Landfill o	er & Light Co; Lakevi ROMENTAL BENEF Electricity Ge CO2 (tons/yr) 48,146 39,516 26,571 E. CONTACT INF	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr) 304 254 0	Direct Use CO2 (tons/yr) 33,996 27,903 18,762 Landfill Operator	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr) 309 163
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Mailing Address: 294 PO	vr): eduction (tons) sil Fuel Displa Nat odd Bumgardne 46 US Route 8 D Box 100	Dayton Pow D. ENVIE Lyr): Coal: Fuel Oil: Fural Gas: Landfill o	er & Light Co; Lakevi ROMENTAL BENEF Electricity Ge CO2 (tons/yr) 48,146 39,516 26,571 E. CONTACT INF	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr) 304 254 0 Ross US Route 86	Direct Use CO2 (tons/yr) 33,996 27,903 18,762 Landfill Operator	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr) 309 163
Estimated Potential C Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Mailing Address: 294 PO	vr): eduction (tons, sil Fuel Displa Nat	Dayton Pow D. ENVIE Lyr): Coal: Fuel Oil: Fural Gas: Landfill o	er & Light Co; Lakevi ROMENTAL BENEF Electricity Ge CO2 (tons/yr) 48,146 39,516 26,571 E. CONTACT INF	ew Munic Wate TTS OF UTIL Potential eneration Proje SO2 (to	11,289 237,077 ct ms/yr) 304 254 0	Direct Use CO2 (tons/yr) 33,996 27,903 18,762 Landfill Operator	61 233 P&L Assn Inc ent 43,169 906,555 Project SO2 (tons/yr) 309 163

			Lake County Soli			Landfill Categor	ry: Candidate
		A. G	ENERAL LANDFILI	, INFORMAT	ION		
Landfill Owner:	Lake Co	ounty		Annual Accep	tance Rate ((tons):	181,932
Landfill Owner Type:	Public			Year Annual A	Acceptance l	Rate Reported:	1993
Alternative Landfill Na	ime:			Design Capaci	ty (tons):		
City:	Painesv	rille		Acres Current	•	d (acres):	200
County:	Lake			Average Deptl			
State:	ОН			Waste-in-Place	` '		6,182,088
Year Open:	1973			1998 Waste-in	-Place (tons	s):	6,697,262
Year Closed:	2006						
		I	8. LANDFILL GAS C	OLLECTION			
Estimated Methane Ger	neration (mmsc)	f/d):		2.13			
LFG Collection System	Status:						
Current LFG Collected	(mmscf/d):						
Collection and Treatme	ent System Requ	uired Under NSP	S/EG:	No			
			C. LANDFILL GAS U	TILIZATION	I		
Current Utilization:							
Utilization System	Status:	Potential					-
Utilization System		Leachate Ev	aporation				
Utilization System							
Electric Utility Pro	ovider(s):						
Natural Gas Provi	der(s):						
Energy Purchaser((s):						
Conscitu		Elastriai	y Generation Project (l	MW) ()R	Direct Use Preject (mmPtu	(hr)
Capacity:		Electrici	y deficiation Project (1		 	Direct Use Project (mmBtu	
Estimated Potentia	al Capacity:			7			67
Current Capacity:							
Planned Capacity:							
Utilities in County:		Cleveland El	ectric Illum Co; Paines	ville Elec Divi	sion; Pionee	er Rural Elec Coop Inc; South	n Central P
		D. ENVIR	OMENTAL BENEF	ITS OF UTILI	ZATION		
			P	otential		Current	
Methane Reduction (to	ns/yr):				12,321		0
CO2 Equivalent of CH4	4 Reduction (tor	ıs/yr):		:	258,731		0
Emissions Avoided by I	Fossil Fuel Disp	placement:	•	neration Projec		Direct Use Proj	
			CO2 (tons/yr)	SO2 (to	ıs/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	52,882		334	37,102	338
		Fuel Oil:	43,403		279	30,451	178
	N	atural Gas:	29,185		0	20,476	0
			E. CONTACT INFO	RMATION			
		Landfill (Landfill Operator	
Contact Name:	John Radebautl	h		Gary	Kron		
Mailing Address:	105 Main Stree	et .		105 M	Iain Street		
Mailing Address.	PO Box 490				ox 490		
Dhone Mumber				1			
Phone Number:	216-350-2745			216-3	50-2644		
Fax Number:				•			
* Itallicized indicates vo	alues estimated	by EPA.	D	ecember 5, 199	8	State: OH Pa	ge: 27

			Mt. Eaton East		Landfill Cat	egory: Candidate	
		A. G	ENERAL LANDFILL I	NFORMATION			
Landfill Owner:	Wayne	County	Α	nnual Acceptance Rate (tons):	111,493	
Landfill Owner Type	e:		Y	ear Annual Acceptance l	Rate Reported:	1993	
Alternative Landfill	Name:		D	esign Capacity (tons):		131	
City:	Mt. Ear	ton	Α	cres Currently Landfilled	d (acres):	40	
County:	Wayne	;	Α	verage Depth (feet):			
State:	ОН		W	/aste-in-Place (tons):		4,544,358	
Year Open:	1969		1998 Waste-in-Place (tons): 4,8				
Year Closed:	1998						
		F	B. LANDFILL GAS CO	LLECTION			
Estimated Methane	Generation (mmsc	:f/d):		1.66			
LFG Collection Syst	em Status:						
Current LFG Collect	ted (mmscf/d):						
Collection and Treat	ment System Req	uired Under NSP	S/EG:	No			
	:	(C. LANDFILL GAS UT	ILIZATION	` . ?		
Current Utilization:							
Utilization Syst	em Status:	Potential					
Utilization Syst	em Type:	Unknown					
Utilization Syst	em Start Year:						
Electric Utility	Provider(s):						
Natural Gas Pro	ovider(s):						
Energy Purchas	ser(s):						
Capacity:		Electricit	y Generation Project (MV	W) OR	Direct Use Project (mm	ıBtu/hr)	
Estimated Poter	ntial Capacity:			5		52	
Current Capacit		İ					
Planned Capaci	-						
Utilities in County:		Holmes-Way	vne Electric Coop Inc; Lo	rain Medina R E C Inc; I	Marshallville Muni Utils;	Ohio Edison C	
		D. ENVIR	OMENTAL BENEFIT	S OF UTILIZATION			
			Pote	ential	Curre	ent	
Methane Reduction ((tons/vr):			9,617		0	
CO2 Equivalent of C	•	ns/vr):		201,953		0	
						·	
Emissions Avoided b	y Fossil Fuel Disp	placement:	Electricity Gener	ration Project	Direct Use I	Project	
			CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)	
		Coal:	41,042	259	28,960	264	
		Fuel Oil:	33,686	217	23,769	139	
			·				
	Λ	latural Gas:	22,651	0	15,983	0	
-		Landfill (E. CONTACT INFOR	MATION	Landfill Operator		
Contact Name:		Lanumi	Jwilei				
Contact Name:	Jerry Herman			Jerry Herman, Di	rector		
Mailing Address:	428 West Libe	erty Street		428 West Liberty	Street		
Phone Number:	330-287-5424			330-287-5424			
Fax Number:	.						
* Itallicized indicates	s values estimated	by EPA.	Dec	ember 5, 1998	State: OH	Page: 28	

		Rumpke SL			Landfill Cates	gory: Curren
	A. G	ENERAL LANDFIL	LINFORMA	TION		
Landfill Owner:	Rumpke Sanitary Land	fill, Inc.	Annual Acce	-		2,920,000
Landfill Owner Type:	private			=	Rate Reported:	1998
Alternative Landfill Name:	Cincinnati Regional Re	fuse Facility; Hamilto	Design Capa	•		
City:	Cincinnati		Acres Currer	-	ed (acres):	128
County:	Hamilton		Average Dep			
State:	OH		1998 Waste-in-Place (tons): 1998 Waste-in-Place (tons):			11,500,000
Year Open:	1965		1998 Waste-	in-Place (ton	s):	11,500,000
Year Closed:	2004	B. LANDFILL GAS (COLLECTIO	N		
Estimated Methane Genera			3.09	**************************************		,—————————————————————————————————————
LFG Collection System Sta			5.07			
Current LFG Collected (mr			9.0			
Collection and Treatment S		PS/EG:	No.			
2		C. LANDFILL GAS		N N		all hijali (†yy) - a yyy cagolion a daeth a
Current Utilization:						
Utilization System Sta	tus: Operational					
Utilization System Ty	· ·					
Utilization System Sta	-					
Electric Utility Provide						
Natural Gas Provider(s		Gas and Electric Com	ınanv			
Energy Purchaser(s):	onnomiae	Gus una Dicettic Com	puny			
Capacity:	Flectrici	ty Generation Project ((MW)	OR	Direct Use Project (mmF	Rtu/hr)
		- Toject			Direct Osc Froject (IIIII)	
Estimated Potential Co	apacity:		10			97
Current Capacity:	i					188
Planned Capacity:						
Utilities in County:	Butler Rural	Electric Coop Inc; Ca	rroll Electric C	Coop Inc; Cir	ncinnati Gas & Electric Co;	Pioneer Rur
	D. ENVII	ROMENTAL BENEF	TITS OF UTIL	IZATION		
		l l	Potential		Curren	t
Methane Reduction (tons/y)	r):			17,877		34,690
CO2 Equivalent of CH4 Re	duction (tons/yr):			375,411		728,482
Emissions Avoided by Foss	il Fuel Displacement:	•	eneration Proj		Direct Use Pr	•
		CO2 (tons/yr)	SO2 (t	ons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	76,560	1	484	53,833	490
	Fuel Oil:	62,837		405	44,184	258
	Natural Gas:	42,252		0	29,710	0
		E. CONTACT, INF	ORMATION		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
	Landfill	Owner			Landfill Operator	
Contact Name: Bru	ce Schmucker		Bru	ce Schmucke	r	
Mailing Address: 107	95 Hughes Road		1079	95 Hughes R	oad	
Phone Number: 513	-851-9970		: 512	851-0122		
515	001 ///0				-	
Fax Number:			313	-595-8224		
* Itallicized indicates values	s estimated by EPA.	Г	December 5, 19	998	State: OH	Page: 29
STAR Version 1	.0 / LMOP					
the mann						

Rumpke Waste, Inc. LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Rumpke Waste, Inc. 112,718 Landfill Owner: Annual Acceptance Rate (tons): Year Annual Acceptance Rate Reported: 1993 Landfill Owner Type: Private 3,400,000 Alternative Landfill Name: Georgetown LF Design Capacity (tons): Acres Currently Landfilled (acres): City: Georgetown County: Brown Average Depth (feet): State: OH Waste-in-Place (tons): Year Open: 1983 1998 Waste-in-Place (tons): 1.518.811 Year Closed: 2003 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 0.81 LFG Collection System Status: Operational Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Planned Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 25 Current Capacity: Planned Capacity: **Utilities in County:** Adams Rural Electric Coop Inc; Cincinnati Gas & Electric Co; Columbus Southern Power Co; George D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current 0 Methane Reduction (tons/yr): 4,663 97,915 0 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) 19,732 14,041 Coal: 125 128 Fuel Oil: 16,195 104 11,524 67 10,890 7,749 Natural Gas: 0 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: William Rumpke Bruce Schmucker Mailing Address: 10795 Hughes Road 10795 Hughes Road Phone Number: 513-851-0122 513-851-0122 Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: OH 30 Page:

			Tremont			Landfill Catego	ry: Candidate
		A. G	ENERAL LANDFILI	INFORMAT	ION		
Landfill Owner:	Davis			Annual Accep	tance Rate	(tons):	44,549
Landfill Owner Type:	Private			Year Annual	Acceptance	Rate Reported:	1994
Alternative Landfill Na	ime:			Design Capac	ity (tons):		
City:	Springf	ield		Acres Current	ly Landfille	ed (acres):	80
County:	Clark			Average Dept	h (feet):		
State:	ОН			Waste-in-Plac	e (tons):		4,720,924
Year Open:	1969			1998 Waste-ir	n-Place (ton	is):	4,720,924
Year Closed:	1994						
			B. LANDFILL GAS C	OLLECTION	V		
Estimated Methane Ger	neration (mmsc)	f/d):		1.63			
LFG Collection System	-						•
Current LFG Collected	(mmscf/d):						
Collection and Treatme	ent System Requ	uired Under NS	PS/EG:	No			į
			C. LANDFILL GAS U	TILIZATION	V		
Current Utilization:							
Utilization System	Status:	Planned					
Utilization System		Unknown					
Utilization System							
Electric Utility Pro							
Natural Gas Provi							1
Energy Purchaser((s):						
Capacity:		Electric	ity Generation Project (I	MW)	OR	Direct Use Project (mmBtu	ı/hr)
Estimated Potentia	al Capacity:			5			51
Current Capacity:							
Planned Capacity:							
Utilities in County:		Dayton Pou	ver & Light Co: Objo Fo	licon Company	" Pioneer P	ural Elec Coop Inc; South Vi	enna Roard
Ounties in County.						arai Elec Coop me, South Vi	Cilia Board
		D. ENVI	ROMENTAL BENEFI	TS OF UTIL	IZATION		
•			P	otential		Current	
Methane Reduction (to	ns/yr):				9,398		0
CO2 Equivalent of CH-	4 Reduction (to	ns/yr):			197,356		0
П			El			D:	
Emissions Avoided by I	Fossii Fuel Disp	olacement:	Electricity Gen	-		Direct Use Pro	!
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	40,253		254	28,301	258
		Fuel Oil:	33,038		213	23,228	. 135
	N	atural Gas:	22,215		0	15,619	0
		иштиг Оиз.			· ·	13,017	
		1 151	E, CONTACT INFO	DRMATION		. ICH O	
		Landfill	Owner			Landfill Operator	;
Contact Name:	Rod Christian			Rod	Christian		:
Mailing Address:	3108 Snyder-D	Oomer Road	,	3108	Snyder-Do	mer Road	
-	•				•		
Phone Number:	937-298-0428			512 (969-8639		:
	751-270 -04 20	•		()13-3	707-0033		
Fax Number:				1			:
* Itallicized indicates ve	alues estimated	by EPA	D	ecember 5, 199	98	State: OH Pa	ige: 31
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		Vienna Junction		Landfill Category:	Candidate
	A. G	ENERAL LANDFILL INFORMAT	ΓΙΟΝ		
Landfill Owner:		Annual Accep	ptance Rate (tons):		l i
Landfill Owner Type:		Year Annual	Acceptance Rate Rep	orted:	1998
Alternative Landfill Name:		Design Capac	city (tons):		<u> </u>
City: Toledo		Acres Curren	tly Landfilled (acres):		i
County:		Average Dept	th (feet):		
State: OH		1998 Waste-i	in-Place (tons):		
Year Open:		1998 Waste-ii	n-Place (tons):		
Year Closed:					
	I	B. LANDFILL GAS COLLECTION	V		17.
Estimated Methane Generation (mmscj	%d):				
LFG Collection System Status:					
Current LFG Collected (mmscf/d):					
Collection and Treatment System Requ	ired Under NSP	S/EG: No			
The second secon	(e. LANDFILL GAS UTILIZATIO	N		
Current Utilization:					
Utilization System Status:	Potential				
Utilization System Type:	Medium Btu				
Utilization System Start Year:	1996	•			
Electric Utility Provider(s):	1770			`	
Natural Gas Provider(s):					
Energy Purchaser(s):					
Energy I dichaser(s).					
Capacity:	Electricit	y Generation Project (MW)	OR Direct	Use Project (mmBtu/hr)
Estimated Potential Capacity:		•			
Current Capacity:					
Planned Capacity:					
Utilities in County:					
	D. ENVIR	OMENTAL BENEFITS OF UTIL	IZATION		
		Potential		Current	
Methane Reduction (tons/yr):					
CO2 Equivalent of CH4 Reduction (tor	ıs/vr):				
Emissions Avoided by Fossil Fuel Disp	lacement:	Electricity Generation Proje	ect	Direct Use Project	
		CO2 (tons/yr) SO2 (to	ons/yr) CO	O2 (tons/yr) SO	2 (tons/yr)
	Coal:				
•	Fuel Oil:				
N	atural Gas:	•			
	I 4511 (E. CONTACT INFORMATION	1 1	SUO	
C N	Landfill (Jwner	Land	fill Operator	
Contact Name:					
Mailing Address:					
Phone Number:					
Fax Number:					

^{*} Itallicized indicates values estimated by EPA.

			Williams County	LF	Landfill Category	: Candidate	
		A. G	ENERAL LANDFILL IN	FORMATION			
Landfill Owner:	Allied \	Waste	Ann	nual Acceptance Rate (t	ons):	132,220	
Landfill Owner Type	: Private		Yea	r Annual Acceptance F	Rate Reported:	1993	
Alternative Landfill	Name:		Des	ign Capacity (tons):			
City:	Bryan			es Currently Landfilled	(acres):	60	
County:	Willian	าร		erage Depth (feet):			
State:	ОН			ste-in-Place (tons):		4,973,752 5,151,386	
Year Open:	1969		199	1998 Waste-in-Place (tons):			
Year Closed:	1997	1	B. LANDFILL GAS COLI	DCTION:			
			, LANDFILL GAS COLI				
Estimated Methane G	=	f/d):		1.74			
LFG Collection Syste Current LFG Collecte							
Collection and Treatr		ired Under NCE	s/pc.	No			
Conection and Treati	nem system Kequ		S/EG. C. LANDFILL GAS UTIL				
Current Utilization:							
Utilization Syste	em Status:	Potential					
Utilization Syste		Unknown					
Utilization Syste	· -						
Electric Utility F							
Natural Gas Pro	vider(s):						
Energy Purchase	er(s):						
Capacity:		Electrici	y Generation Project (MW)	OR	Direct Use Project (mmBtu/	hr)	
Estimated Poten	tial Capacity:			5		54	
Current Capacity	y:						
Planned Capacit	y:						
Utilities in County:		Bryan Muni	Lt & Water Utilities; Colun	nbus Southern Power C	Co; Edgerton Utilities; Montpe	elier Mun	
		D. ENVIR	OMENTAL BENEFITS	OF UTILIZATION			
			Potent	tial	Current		
Methane Reduction (tons/yr):			10,035		0	
CO2 Equivalent of C	H4 Reduction (tor	ıs/yr):		210,725		0	
Emissions Avoided by	v Fossil Fuel Disc	alaaamanti	Electricity Con and	tion Project	Direct Use Proje	at.	
Emissions Avoided by	y rossii ruei Disp	пасетен:	Electricity General CO2 (tons/yr)	SO2 (tons/yr)	<u> </u>	O2 (tons/yr)	
			·		•	-	
		Coal:	42,621	269	30,217	275	
		Fuel Oil:	34,981	225	24,801	145	
	N	atural Gas:	23,522	0	16,677	0	
		Landfill (E. CONTACT INFORM	IATION	Landfill Operator		
Contact Name:	Chuck Clouser			John Melcher	Zanami operator		
Mailing Address:	12359 County	Rd. G		1515 Harmon Ave	enue		
Phone Number:	410 (27 22 42			C14 445 C141		•	
	419-636-2242			614-445-8141			
Fax Number:				: •			
* Itallicized indicates	values estimated	hv EPA	Decem	nber 5, 1998	State: OH Pag	e: 33	
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		A CE	Wood Cour NERAL LANDFILI		TION	Landfill Cate	gory: Candidate
Landfill Owner:		County Solid Was	te District		eptance Rate		31,611
Landfill Owner Type					-	Rate Reported:	1993
Alternative Landfill		_		Design Capa			•
City:	Bowling	g Green			ntly Landfille	d (acres):	29
County:	Wood			Average De			
State:	ОН				-in-Place (tor	•	700,000
Year Open:	1969			1998 Waste-	in-Place (ton	s):	700,000
Year Closed:	2014		TANDELL CACC	OF T POPTO	N.T.		
			LANDFILL GAS C		N	<u></u>	·
Estimated Methane G	· · · · · · · · · · · · · · · · · · ·	%d):		0.25			
LFG Collection Syste							
Current LFG Collecte	,						
Collection and Treatn	nent System Requ			No			
		C	LANDFILL GAS U	JTILIZATIO	N		
Current Utilization:							
Utilization Syste	m Status:	Potential					
Utilization Syste	m Type:	Unknown	•				
Utilization Syste	m Start Year:						
Electric Utility F	Provider(s):						
Natural Gas Prov	vider(s):						
Energy Purchase	er(s):						
Capacity:		Electricity	Generation Project (MW)	OR	Direct Use Project (mm	Btu/hr)
Estimated Poten	tial Capacity:			1			8
Current Capacity				•		,	J
Planned Capacity	i						
Utilities in County:		Bloomdale Mi	uni Lt & Power Dent:	Bowling Gre	en Elec Dent	; Bradner Munic Elec Lig	ht & Water D
•			OMENTAL BENEF				
			P	otential		Curre	nt
Methane Reduction (t	onshir).		1	otemut	1,430	. Curre	0
CO2 Equivalent of CI	• •	chir):			30,036		0
	Reduction (ton	37 yr).					
Emissions Avoided by	Fossil Fuel Disp	lacement:	Electricity Ge	neration Proj	ect	Direct Use I	Project
			CO2 (tons/yr)	SO2 (t	ons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	6,314		40	4,307	39
		Fuel Oil:	5,182		33	3,535	21
	No	atural Gas:	3,485		0	2,377	0
			E. CONTACT INFO	DRMATION		<u> </u>	
		Landfill O	wner			Landfill Operator	
Contact Name:	Ken Rieman						
Mailing Address.	140 E. Pao Bao	a					
Mailing Address:	440 E. Poe Roa	a					
	Suite 103						
Phone Number:	q			419	-354-9277		
Fax Number:							
* Itallicized indicates		L FD4	The state of the s	ecember 5, 19	സ	State: OH	Page: 34

		A. GI	Wyandot Sanit ENERAL LANDFILL		ION	Landfill Cates	gory: Candida
Landfill Owner:	America	n Disposal		Annual Accep	<u> </u>	oue).	224,417
Landfill Owner Type:		п Бізрозаі		Year Annual A			1993
Alternative Landfill N				Design Capaci	-	tare responden	.,,,
City:	Carey			Acres Current	-	l (acres):	140
County:	Wyando	t		Average Deptl	-	•	
State:	ОН			Waste-in-Plac	e (tons):		1,922,022
Year Open:	1968		1998 Waste-in-Place (tons):):	2,054,575
Year Closed:	2020						
		В	. LANDFILL GAS CO	OLLECTION		<u> </u>	23.17
Estimated Methane G	eneration (mmscf/	(d):		0.94			
LFG Collection Syste	m Status:						
Current LFG Collecte	d (mmscf/d):						
Collection and Treatn				No			
11/1/2012		•	L LANDFILL GAS U	TILIZATION	I		27.7%
Current Utilization:							
Utilization Syste	m Status:	Potential					
Utilization Syste	m Type:	Reciprocating	g Engine .				
Utilization Syste	m Start Year:						
Electric Utility P	rovider(s):						
Natural Gas Prov	vider(s):						
Energy Purchase	er(s):	Ohio Power	•				
Capacity:	•	Electricit	y Generation Project (M	1W) (OR	Direct Use Project (mmF	Stu/hr)
Estimated Potent	tial Canacity:			3	T		30
Current Capacity				3			50
Planned Capacity							
	<u> </u>						
Utilities in County:			• .		-	Marion Rural Electric Co	oop Inc; North
		D. ENVIR	OMENTAL BENEFT	IS OF UTILI	ZATION		
			Pa	otential		Curren	nt
Methane Reduction (t	• •				5,455		(
CO2 Equivalent of Cl	H4 Reduction (ton.	s/yr):			114,553		(
Emissions Avoided by	Fossil Fuel Disni	acement:	Electricity Gen	eration Projec	·t	Direct Use Pi	roject
Emissions mronded by	1 costi 1 uci Dispi	accinem.	CO2 (tons/yr)	SO2 (to		CO2 (tons/yr)	SO2 (tons/yr
			•	332 (33.	145	•	
			22.000		145	16,427	150
		Coal:	22,889		1,5		
		Coal: Fuel Oil:	22,889 18,786		121	13,482	79
	Na					13,482 9,066	79
y,		Fuel Oil:	18,786 12,632	RMATION	121 0	9,066	
	Na	Fuel Oil:	18,786 12,632 E. CONTACT INFO	RMATION	121	9,066	(
		Fuel Oil: tural Gas:	18,786 12,632 E. CONTACT INFO		121 0	9,066	(
Contact Name:	Ted Niura	Fuel Oil: tural Gas: Landfill C	18,786 12,632 E. CONTACT INFO	Richa	121 0 rd Carnoll	9,066 Landfill Operator	(
Contact Name:		Fuel Oil: tural Gas: Landfill C	18,786 12,632 E. CONTACT INFO	Richa	121 0 rd Carnoll dot Sanitary	9,066 Landfill Operator	(
Contact Name: Mailing Address:	Ted Niura 11164 County F	Fuel Oil: tural Gas: Landfill C	18,786 12,632 E. CONTACT INFO	Richa Wyan 11164	121 0 rd Carnoll dot Sanitary I C.R. 4	9,066 Landfill Operator	(
Contact Name: Mailing Address: Phone Number:	Ted Niura	Fuel Oil: tural Gas: Landfill C	18,786 12,632 E. CONTACT INFO	Richa Wyan 11164	121 0 rd Carnoll dot Sanitary	9,066 Landfill Operator	(
Contact Name: Mailing Address:	Ted Niura 11164 County F	Fuel Oil: tural Gas: Landfill C	18,786 12,632 E. CONTACT INFO	Richa Wyan 11164	121 0 rd Carnoll dot Sanitary I C.R. 4	9,066 Landfill Operator	(
Contact Name: Mailing Address: Phone Number:	Ted Niura 11164 County F 419-396-3581	Fuel Oil: tural Gas: Landfill C	18,786 12,632 E. CONTACT INFO Owner	Richa Wyan 11164	121 0 rd Carnoll dot Sanitary I C.R. 4 96-3581	9,066 Landfill Operator LF	ı