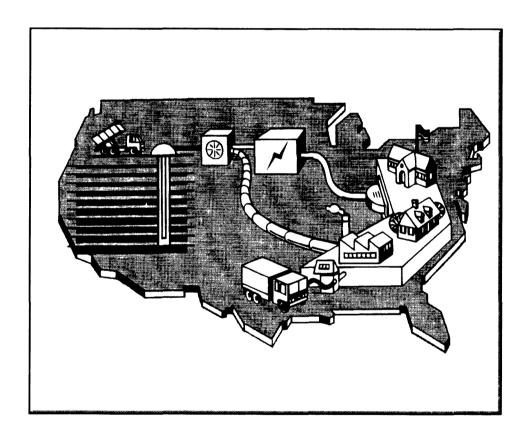


EPA Landfill Gas-to-Energy Project **Opportunities**

Landfill Profiles for the State of Massachusetts





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 (Thorneloe, 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.



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

Exhibit 1: Indiana MSW Landfill Summary

Category	No. of	Est. Capacity Potential		Est. CH4	Methane Reduction		CO2 Equivalent of CH4		
	Landfills	Electricity (MW)	Gas Capacity (mmBtu/hr)	Generation (mmscf/d)	(tons/yr)		Reduction (tons/yr)		
					Potential	Current	Potential	Current	
Current	10	74	735	24	136,070	29,294	2,857,470	615,164	
Candidate	26	102	1,017	33	188,164	0	3,951,452	0	
Other	44	24	242	8	44,703	0	938,755	0	
Unknown WIP	10								
Total	90	199	1,994	64	368,937	29,294	7,747,677	615,164	

Exhibit 2: Potential Indiana Emissions Avoided by Fossil Fuel Displacement

Category		Electricity Generation Project					Direct Use Project					
	C	CO2 (tons/yr)		SO2 (tons/yr)		CO2 (tons/yr)			SO2 (tons/yr)			
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	580,118	476,134	320,159	3,667	3,065	0	409,756	336,310	226,139	3,729	1,960	2
Candidate	801,904	658,167	442,560	5,069	4,236	0	566,632	465,066	312,717	5,156	2,710	3
Other	187,848	154,177	103,671	1,188	992	0	134,616	110,486	74,293	1,225	644	1
Unknown WIP												
Total	1,569,870	1,288,478	866,391	9,923	8,293	0	1,111,004	911,861	613,149	10,109	5,314	6

Exhibit 3: Index of Landfills in Indiana

Category	Landfill Name		WIP		Landfill	LFG Collected	LFG	Status of LFGTE
	,	<2.5 million tons	2.5 to 4 million tons	>4 million tons	Operating in 1998		Utilization Project	Project
Current	BFI/Laubscher Meadows LF			V	✓		✓	Operational
Current	County Line LF	V			~			Construction
Current	Laidlaw South LF		Ш	V	V		V	Operational
Current	LaPorte County RDF		Ü	V			~	Operational
Current	National Serv-All LF			V	✓		~	Operational
Current	Prairie View LF			V		✓	Y	Operational
Current	Randolph Farms LF		~		✓		~	Operational
Current	South Side LF			V	✓	V	~	Operational
Current	Twin Bridges RDF		Ü	V	✓	<u> </u>	V	Operational
Current	Wheeler RDF			V			~	Operational
Candidate	Bartholomew County LF	V						Unknown
Candidate	Blackfoot LF		V		✓			Potential
Candidate	Caldwell LF	V						Potential
Candidate	Center Point LF		V	Ш				Unknown
Candidate	Chambers/Liberty LF			V	✓			Planned
Candidate	Clark-Floyd LF			V	✓			Potential
Candidate	Coal Bluff LF	V						Potential
Candidate	Earthmovers LF			V	✓			Unknown
Candidate	Elkhart County - CR 7 LF		V		✓			Potential
Candidate	Gary Sanitary LF			V	✓			Planned
Candidate	Hancock County LF		V		✓	Ш		Unknown
Candidate	Hayes LF	V			✓			Unknown
Candidate	Jay County LF			V	~			Potential
Candidate	New Parls Pike LF	V	U		V			Potential
Candidate	North Wells LF	V						Unknown
Candidate	Northside LF		V					Potential
Candidate	Oak Ridge RDF			V	~			Planned
Candidate	Ransbottom LF	V			✓			Unknown
Candidate	Rumpke (Uniontown)	V						Potential
Candidate	Rumpke-Medora LF			V	V			Potential
Candidate	Rumpke-Milan LF	V						Potential
Candidate	Spencer County		V					Unknown
Candidate	Terre Haute							Potential
Candidate	United Refuse LF			<u> </u>	✓			Potential
Candidate	Wabash Valley LF			V				Potential
Candidate	Worthington LF	V			V			Potential
Other	Adams County North LF	V						Unknown
Other	Adams County South	V					Ú	Unknown
Other	Blackford County LF	V						Unknown

Exhibit 3: Index of Landfills in Indiana

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
Other	Brown County LF	V						Unknown
Other	Camp Atterbury LF	✓		U				Unknown
Other	Crane NWSC LF	✓			✓			Unknown
Other	Daviess County LF	✓						Unknown
Other	Decatur County	V						Unknown
Other	Decatur Hills LF	V		Ш	V			Unknown
Other	Dekalb County	V						Unknown
Other	Edwards LF	✓						Unknown
Other	Fountain County LF	V			<u> </u>			Unknown
Other	Ft. Benjamin Harrison	✓						Unknown
Other	Gibson County LF No. 2	<u> </u>						Unknown
Other	Greendale LF	<u> </u>						Unknown
Other	Greentown	V						Unknown
Other	Griffith LF	✓						Unknown
Other	Huntington City LF	V						Unknown
Other	IAAP - Charlestown	✓						Unknown
Other	Jasper LF	✓						Unknown
Other	Jennings County LF	V			V			Unknown
Other	Kanizer LF	V						Unknown
Other	LaGrange County LF	✓			<u> </u>			Unknown
Other	Lawrence County LF	V						Unknown
Other	Mason-Hayes LF	V						Unknown
Other	McCarty LF	V						Unknown
Other	Montgomery LF	V						Unknown
Other	Munster LF	✓			V			Unknown
Other	Newport AAP	V						Unknown
Other	Noble County LF	✓						Unknown
Other	Owen County LF	V	. L		V			Unknown
Other	Pike County LF	✓			V			Unknown
Other	South Wells LF	V						Unknown
Other	Speedway LF	✓			П			Unknown
Other	Spencer County Sanitary LF	V			✓			Unknown
Other	Spring Valley LF		<u> </u>					Unknown
Other	Sullivan County LF	V			•			Unknown
Other	T.H. LF	V			П			Unknown
Other	Tipton County LF	<u> </u>			V			Unknown
Other	Vermillion County	<u> </u>						Unknown
Other	Warren County LF	~						Unknown
Other	Warrick County LF #2	V			V			Unknown

Exhibit 3: Index of Landfills in Indiana

Category	Landfill Name		WIP		Landfill	LFG Collected	LFG Utilization Project	Status of LFGTE
		<2.5 million tons	2.5 to 4 million tons	>4 million tons	Operating in 1998			Project
Other	Washington County LF	<u> </u>	· 🗆		V		Ш	Unknown
Other	West Clinton LF	<u> </u>		U				Unknown
Unknown WIP	Alcoa Plant LF							Unknown
Unknown WIP	Big "T" Disposal							
Unknown WIP	Inland Container							Unknown
Unknown WIP	Madison County LF							Unknown
Unknown WIP	Monroe County LF							Unknown
Unknown WIP	NENSWC Landfill							Unknown
Unknown WIP	North Vigo LF							Unknown
Unknown WIP	Rumpke (Aurora)							Unknown
Unknown WIP	Rumpke (Batesville)							Unknown
Unknown WIP	Whitley County							Unknown

			BFI/Laubscher Me				Landfill Cate	egory:	Current
		A. G	ENERAL LANDFILL	INFORMAT	TON				
Landfill Owner:	BFI			Annual Accep	tance Rat	e (tons):	_		290,712
Landfill Owner Type	: Private	:	,	ear Annual	Acceptanc	e Rate Rep	orted:		1996
Alternative Landfill	Name:		ľ	Design Capac	ity (tons):				
City:	Evansv	ille	A	Acres Current	ly Landfil	lled (acres):			
County:	Vander	rburgh	A	Average Dept	h (feet):				
State:	IN		'	Vaste-in-Plac	e (tons):				5,232,816
Year Open:	1979		1	998 Waste-ir	-Place (to	ons):			6,038,640
Year Closed:	2017							_	
		j	B. LANDFILL GAS CO	LLECTION					
Estimated Methane G	Generation (mmsc	:f/d):		1.96					
LFG Collection Syste	em Status:			Planned					
Current LFG Collecte	ed (mmscf/d):								
Collection and Treatr	nent System Req	uired Under NSI	PS/EG:	No					
			C. LANDFILL GAS UI	ILIZATION	1	* (Ž.	
Current Utilization:									
Utilization Syste	em Status:	Operational							
Utilization Syste		Reciprocatin	ng Engine						
Utilization Syste		rtoo.procuen	.5 <u></u> 8						
Electric Utility F									
Natural Gas Pro									
Energy Purchase	, ,								
Energy 1 dienase									
Capacity:		Electrici	ty Generation Project (M	W) (OR	Direct I	Jse Project (mm	Btu/hr)
Estimated Poten	tial Capacity:			6] 				61
Current Capacity									
Planned Capacit									
					<u>i</u>				
Utilities in County:		Southern Inc	diana Gas & Elec Co						
	100	D. ENVII	ROMENTAL BENEFIT	S OF UTIL	IZATION	N			
			Pol	tential			Curre	nt	
Methane Reduction (tons/yr):				11,347				0
CO2 Equivalent of C		ns/yr):			238,277				0
		-							
Emissions Avoided by	y Fossil Fuel Dis _l	placement:	Electricity Gene	•			Direct Use I	•	
			CO2 (tons/yr)	SO2 (to	ns/yr)	CC	02 (tons/yr)	SO	2 (tons/yr)
		Coal:	48,146		304		34,169		311
		Fuel Oil:	39,516		254		28,044		163
			1						-
	Ν	latural Gas:	26,571		0		18,857		0
		4.00	E. CONTACT INFO	RMATION			* .		4 * * * * * * * * * * * * * * * * * * *
		Landfill	Owner			Land	ill Operator		
Contact Name:	Jeff Jenkins			Jeff J	enkins				
Mailing Address		ne Dood		İ		m Dood			
Mailing Address:	2020 Laubsche	EI KOAO		2020	Laubsche	i Koad			
D	1			ļ					
Phone Number:	812-963-3295			812-9	63-3295				
Fax Number:	1			ļ					
	1								
* Itallicized indicates	values estimated	by EPA.	Dec	cember 5, 199	8	9	State: IN	Page:	1
n									

		Bartholomew County	LF	Landfill Cat	egory: Candidate
	A. GF	ENERAL LANDFILL INFO	ORMATION A		
Landfill Owner:	Bartholomew County	Annu	al Acceptance Rate (to	ons):	77,610
Landfill Owner Type:	Public		Annual Acceptance R		1996
Alternative Landfill Name:		Desig	n Capacity (tons):		
City:	Columbus	Acres	Currently Landfilled	(acres):	
County:	Bartholomew	Avera	age Depth (feet):		
State:	IN	Waste	e-in-Place (tons):		1,785,030
Year Open:	1974	1998	Waste-in-Place (tons)	<i>:</i>	1,674,794
Year Closed:	1995				
	В	. LANDFILL GAS COLLE	ECTION		
Estimated Methane Generati	ion (mmscf/d):		0.85		
LFG Collection System Statu					
Current LFG Collected (mms					
Collection and Treatment Sys		S/EG:	No		
	-	LANDFILL GAS UTILE	ZATION		
Current Utilization:	the same of the sa		2 300.0 8.8	S 12 44 1	
	I Imbon accom				
Utilization System Statu					
Utilization System Type					
Utilization System Start					
Electric Utility Provider		•			
Natural Gas Provider(s)	:				
Energy Purchaser(s):					
Capacity:	Electricity	y Generation Project (MW)	OR	Direct Use Project (mn	nBtu/hr)
Estimated Potential Cap	nacity:		3		26
Current Capacity:	nacity.		3		20
Planned Capacity:			i .	·	
	<u> </u>				
Utilities in County:	Bartholomew	County Rural E M C; Decat	ur County Rural E M	C; Jackson County Rui	al E M C; PSI
	D. ENVIR	OMENTAL BENEFITS O	F UTILIZATION		
		Potentia		Curr	ant
Mathana Paduation (tanahu)		roienia	4,893	Cult	0
Methane Reduction (tons/yr).	!		102,759		0
CO2 Equivalent of CH4 Redu	uction (tons/yr):		102,739		<u> </u>
Emissions Avoided by Fossil	Fuel Displacement:	Electricity Generation	on Project	Direct Use	Project
·		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	20,521	130	14,736	134
			į		
	Fuel Oil:	16,843	108	12,094	71
	Natural Gas:	11,325	0	8,132	o
2. 34		E. CONTACT INFORMA	TION		- 3.
<u> </u>	Landfill C			Landfill Operator	
Contact Name: Jame		-	C		
Contact Marine: Jame	s Murray		Gregory Littleton		
Mailing Address: 720 S	S. Mapleton Street		1950 Tellman Rd		
•	•				!
			812-372-1225		į
Phone Number:					
Phone Number: Fax Number:					
	estimated by EPA.	Decemb	er 5, 1998	State: IN	Page: 2
Fax Number:	•	Decemb	·	State: IN	Page: 2

		Blackfo			Landfill Cate	6017.
	A. GI	ENERAL LANDFII	LL INFORMAT	TON		
Landfill Owner:	American Disposal Serv	ices, Incorporated	Annual Accep	otance Rate (tons):	113,477
Landfill Owner Type:	Private			-	Rate Reported:	1996
Alternative Landfill Name:	Rose Disposal Services	LF	Design Capacity (tons):			
City:			Acres Currently Landfilled (acres):			
County:	Pike	Pike Average Depth (feet): IN Waste-in-Place (tons):				
State:						1,021,293
Year Open:	1988		1998 Waste-ii	ı-Place (tons	s):	2,847,922
Year Closed:	2030	. LANDFILL GAS	COLLECTION	¥		
		LANDFILL GAS	** <u></u>	· · · · · · · · · · · · · · · · · · ·		
Estimated Methane General	<u> </u>		1.15			
LFG Collection System Sta						
Current LFG Collected (mr						
	System Required Under NSP		No	•		
		C. LANDFILL GAS	UTILIZATIO	<u> </u>		
Current Utilization:						
Utilization System Sta						
Utilization System Ty	=					
Utilization System Sta						
Electric Utility Provid	er(s):					
Natural Gas Provider(s):					
Energy Purchaser(s):						
Capacity:	Electricit	y Generation Project	(MW)	OR	Direct Use Project (mml	Btu/hr)
· · · · · · · · · · · · · · · · · · ·						
Estimated Potential C	anacity:		4			36
Estimated Potential Co	apacity:		4			36
Current Capacity:	apacity:		4			36
Current Capacity: Planned Capacity:						36
Current Capacity:	Knox County	Rural E M C; PSI E	Energy Inc; South		Gas & Elec Co	36
Current Capacity: Planned Capacity:	Knox County	Rural E M C; PSI E	Energy Inc; South		Gas & Elec Co	36
Current Capacity: Planned Capacity:	Knox County	OMENTAL BENE	Energy Inc; South		Gas & Elec Co Currer	2826
Current Capacity: Planned Capacity:	Knox County D. ENVIR	OMENTAL BENE	Energy Inc; South			2826
Current Capacity: Planned Capacity: Utilities in County:	Knox County D. ENVIR	OMENTAL BENE	Energy Inc; South	IZATION		
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	Knox County D. ENVIR r): eduction (tons/yr):	OMENTAL BENE	Energy Inc; South FITS OF UTIL Potential	6,628 139,190	Currer	0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	Knox County D. ENVIR r): eduction (tons/yr):	OMENTAL BENE	Energy Inc; South FITS OF UTIL Potential Generation Proje	6,628 139,190	Currer Direct Use P	nt 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y)	Knox County D. ENVIR r): eduction (tons/yr):	OMENTAL BENE	Energy Inc; South FITS OF UTIL Potential Generation Proje	6,628 139,190	Currer	0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	Knox County D. ENVIR r): eduction (tons/yr):	OMENTAL BENE	Energy Inc; South FITS OF UTIL Potential Generation Proje SO2 (ta	6,628 139,190	Currer Direct Use P	nt 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	Knox County D. ENVIR r): eduction (tons/yr): eil Fuel Displacement: Coal:	Electricity G CO2 (tons/yr)	Energy Inc; South FITS OF UTIL Potential Generation Project SO2 (to	6,628 139,190 ct ns/yr) 180	Direct Use P CO2 (tons/yr) 19,960	ont 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	Knox County D. ENVIR r): eduction (tons/yr): eil Fuel Displacement: Coal: Fuel Oil:	Electricity O CO2 (tons/yr) 28,414 23,32	Energy Inc; South FITS OF UTIL Potential Generation Project SO2 (to	6,628 139,190 ct ns/yr) 180 150	Direct Use P CO2 (tons/yr) 19,960 16,382	ont 0 0 0 0 0 0 0 0 0 0 100 0 182 96
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re Emissions Avoided by Foss	Knox County D. ENVIR r): iduction (tons/yr): iil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity G CO2 (tons/yr) 28,414 23,32 15,68	Energy Inc; South FITS OF UTIL Potential Generation Project SO2 (to 4	6,628 139,190 ct ns/yr) 180 150	Direct Use P CO2 (tons/yr) 19,960 16,382 11,016	nt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	Knox County D. ENVIR r): iduction (tons/yr): iil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity O CO2 (tons/yr) 28,41 23,32 15,68 E. CONTACT INI	Energy Inc; South FITS OF UTIL Potential Generation Project SO2 (to 4	6,628 139,190 ct ns/yr) 180 150	Direct Use P CO2 (tons/yr) 19,960 16,382 11,016	ont 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re Emissions Avoided by Foss	Knox County D. ENVIR r): iduction (tons/yr): iil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity O CO2 (tons/yr) 28,41 23,32 15,68 E. CONTACT INI	Energy Inc; South FITS OF UTIL Potential Generation Project SO2 (to 4	6,628 139,190 ct ns/yr) 180 150	Direct Use P CO2 (tons/yr) 19,960 16,382 11,016	nt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re Emissions Avoided by Foss	Knox County D. ENVIR r): iduction (tons/yr): iil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity O CO2 (tons/yr) 28,41 23,32 15,68 E. CONTACT INI	Energy Inc; South FITS OF UTIL Potential Generation Projet SO2 (to 4 1 1 FORMATION	6,628 139,190 ct ns/yr) 180 150	Direct Use P CO2 (tons/yr) 19,960 16,382 11,016	nt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Reg	Knox County D. ENVIR r): eduction (tons/yr): eil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landfill C	Electricity O CO2 (tons/yr) 28,41 23,32 15,68 E. CONTACT INI	Energy Inc; South FITS OF UTIL Potential Generation Proje SO2 (to 4 1 1 FORMATION Regg	6,628 139,190 ct ns/yr) 180 150	Direct Use P CO2 (tons/yr) 19,960 16,382 11,016 Landfill Operator	nt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y): CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Reg Mailing Address: 372	Knox County D. ENVIR r): eduction (tons/yr): il Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landfill Coggie Schitter 26 East State Road 64	Electricity O CO2 (tons/yr) 28,41 23,32 15,68 E. CONTACT INI	Energy Inc; South FITS OF UTIL Potential Generation Proje SO2 (to 4 1 1 Regg 3726	6,628 139,190 ct ns/yr) 180 150 0 ie Schitter East State R	Direct Use P CO2 (tons/yr) 19,960 16,382 11,016 Landfill Operator	nt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y): CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Reg Mailing Address: 372	Knox County D. ENVIR r): eduction (tons/yr): il Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landfill Coggie Schitter	Electricity O CO2 (tons/yr) 28,41 23,32 15,68 E. CONTACT INI	Energy Inc; South FITS OF UTIL Potential Generation Proje SO2 (to 4 1 1 Regg 3726	6,628 139,190 ct ns/yr) 180 150 0	Direct Use P CO2 (tons/yr) 19,960 16,382 11,016 Landfill Operator	nt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/y): CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Reg Mailing Address: 372	Knox County D. ENVIR r): eduction (tons/yr): il Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landfill Coggie Schitter 26 East State Road 64	Electricity O CO2 (tons/yr) 28,41 23,32 15,68 E. CONTACT INI	Energy Inc; South FITS OF UTIL Potential Generation Proje SO2 (to 4 1 1 Regg 3726	6,628 139,190 ct ns/yr) 180 150 0 ie Schitter East State R	Direct Use P CO2 (tons/yr) 19,960 16,382 11,016 Landfill Operator	nt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

:		Caldwell Ll		Landfill Catego	ry: Candidate
	A. Gl	ENERAL LANDFILL I	NFORMATION		
Landfill Owner:	Caldwell	A	nnual Acceptance Rate	(tons):	110,804
Landfill Owner Type:	Private	Y	ear Annual Acceptance	Rate Reported:	1996
Alternative Landfill Name:		D			
City:		A	d (acres):		
County:	Shelby		verage Depth (feet):		
State:	IN		Vaste-in-Place (tons):		2,437,688
Year Open:	1975	19	998 Waste-in-Place (ton	s):	1,891,888
Year Closed:	1997				
	I	B. LANDFILL GAS CO	LLECTION		
Estimated Methane General	tion (mmscf/d):		0.90		
LFG Collection System Stat	tus:		,		
Current LFG Collected (mn				,	
Collection and Treatment S	-		No	17.	
		C. LANDFILL GAS UT	ILIZATION		
Current Utilization:					
Utilization System Stat	tus: Potential				
Utilization System Typ	be: Unknown				
Utilization System Star	rt Year:				
Electric Utility Provide	er(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):					
Capacity:	Electricit	ty Generation Project (M'	W) OR	Direct Use Project (mmBt	ı/hr)
Estimated Potential Ca	apacity:		3		28
Current Capacity:	<i>quality</i>				
Planned Capacity:	İ				
Utilities in County:	Johnson Cou	inty Rural E M C; PSI En	eroy Inc: Shelby Counts	Pural F M C	
Othlics in County.		OMENTAL BENEFIT		Rulai E M C	
<u> </u>		Pote	ential	Current	
Methane Reduction (tons/yr	·):		5,214		0
CO2 Equivalent of CH4 Red	duction (tons/yr):		109,500		0
Emissions Avoided by Fossi	I Fuel Displacement:	Electricity Gene	· ·	Direct Use Pro	
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	22,100	140	15,702	143
	Fuel Oil:	18,139	117	12,888	75
·	Natural Gas:	12,197	0	8,666	0
	Landfill (E. CONTACT INFOR	RMATION	Landfill Operator	
Contact Name: Dan			Done Coldwell	Landini Operator	
1	a Caldwell		Dana Caldwell		
Mailing Address:			PO Box 212		
Phone Number:			317-763-6258		
			517-703-0236		
Fax Number:			:		
* Itallicized indicates values	estimated by EPA.	Dec	ember 5, 1998	State: IN Pa	ge: 4
STAR Version 1			-		~

		Center Point		Landfill Categ	ory: Candidate
	A. GE	NERAL LANDFILL I	NFORMATION		
Landfill Owner:	Mid-American Waste Sy		nnual Acceptance Rate (to		79,404
Landfill Owner Type:	Private		ear Annual Acceptance R	ate Reported:	1993
Alternative Landfill Name			esign Capacity (tons):		
City:	Center Point		cres Currently Landfilled	(acres):	
County:	Clay		verage Depth (feet):		0.500.603
State:	IN		/aste-in-Place (tons):		2,529,693
Year Open:	1975	TS	998 Waste-in-Place (tons)	:	2,529,694
Year Closed:	1994	LANDFILL GAS CO	LLECTION		
	<u> </u>	LANDFILL GAS CO	<u></u>		
Estimated Methane Genera	•		1.07		
LFG Collection System Sta					
Current LFG Collected (m	•	VEC.	M.		
Collection and Treatment S	System Required Under NSPS		No H IZATION		
		. LANDFILL GAS UT	ILIZATION		
Current Utilization:					
Utilization System Sta					
Utilization System Ty					
Utilization System Sta					
Electric Utility Providence					
Natural Gas Provider(s):				
Energy Purchaser(s):					
Capacity:	Electricity	Generation Project (MV	W) OR	Direct Use Project (mmB	tu/hr)
Estimated Potential C	Canacity:		3		33
Current Capacity:	ариспу.		3		33
Planned Capacity:					
Utilities in County:	Morgan Coun	ty Rural E M C; Parke C	County Rural E M C; PSI	Energy Inc; South Central	Indiana REN
	D. ENVIR	OMENTAL BENEFIT	S OF UTILIZATION		
		Pote	ential	Current	:
Methane Reduction (tons/y	r):	,	6,158		0
CO2 Equivalent of CH4 Re			129,308		0
Emissions Avoided by Foss	sil Fuel Displacement:	Electricity Gene	*	Direct Use Pr	-
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	26,046	165	18,543	169
•	Fuel Oil:	21,378	138	15,219	89
	Natural Gas:	14,375	0	10,233	0
	I IGU O	E. CONTACT INFOR	MATION	I ISN 0	
	Landfill O	wner		Landfill Operator	
Contact Name:					
Mailing Address:			1006 Walnut Stree	t	
-			P.O. Box 156		
Phone Number:					
Fax Number:					
* Itallicized indicates value	es estimated by EPA.	Dec	ember 5, 1998	State: IN F	Page: 5
<u> </u>			•	_	_

			Chambers/Libe	•	Landfill Cate	egory: Carididate
		A. G	ENERAL LANDFILL	INFORMATION		
Landfill Owner:	USA V	Vaste Services, In	nc.	Annual Acceptance Rate	(tons):	247,637
Landfill Owner Type:	Private	:	•	Year Annual Acceptance	Rate Reported:	1996
Alternative Landfill Na	ame: Liberty	/ LF	I	Design Capacity (tons):		
City:	Montic	cello		Acres Currently Landfill	ed (acres):	
County:	White			Average Depth (feet):		
State:	IN			Waste-in-Place (tons):		3,714,555
Year Open:	1982		1	1998 Waste-in-Place (to	ns):	10,291,953
Year Closed:	2015		B. LANDFILL GAS CO	DLLECTION		
Estimated Methane Ge	neration (mmsc	:f/d):		3.05		
LFG Collection System	n Status:					
Current LFG Collected	l (mmscf/d):					
Collection and Treatme	ent System Req	uired Under NSF	PS/EG:	No		
			C. LANDFILL GAS U	FILIZATION	er er er er er er er er er er er er er e	
Current Utilization:						
Utilization System		Planned				
Utilization System		Leachate Ev	aporation			
Utilization System						
Electric Utility Pro						
Natural Gas Provi	* -					·
Energy Purchaser	(S):					
Capacity:		Electrici	ty Generation Project (M	IW) OR	Direct Use Project (mm	ıBtu/hr)
Estimated Potenti	al Capacity:			10		95
Current Capacity:						
Planned Capacity:	•					
Utilities in County:	· · ·	Brookston M	Iuni Utilities; Carroll Co	ounty Rural E M C; Chal	mers Muni Electric Dept;	Jasper County
		D. ENVII	ROMENTAL BENEFI	IS OF UTILIZATION		
			Po	tential	Curre	ent
Methane Reduction (to	•			17,636		0
CO2 Equivalent of CH-	4 Reduction (to	ns/yr):		370,362		0
Emissions Avoided by	Fossil Fuel Dis	nlacement:	Electricity Gene	eration Project	Direct Use I	Project
Limissions Avoided by I	i ossii i uci Dis _i	рисетені.	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	74,981	474	53,109	483
		Fuel Oil:	61,541	396	43,590	254
	۸	latural Gas:	41,381	0	29,310	0
			E. CONTACT INFO	RMATION		
		Landfill			Landfill Operator	
Contact Name:	Tim Haaf		· ·	Tim Haaf		
Mailing Address:	8635 East Stat	e route 16		8635 East State	route 16	,
Phone Number:	219-278-7139			219-278-7139		
Fax Number:						
* Itallicized indicates ve	alues estimated	by EPA.	Dec	cember 5, 1998	State: IN	Page: 6
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		Clark-Floyd l		Landfill Catego	ory: Candidate	
	A. GE	NERAL LANDFILL I	NFORMATION			
Landfill Owner:	Clark-Floyd	Α	nnual Acceptance Rate (to	ons):	168,081	
Landfill Owner Type:	Private	Y	Year Annual Acceptance Rate Reported:			
Alternative Landfill Name	:		esign Capacity (tons):			
City:	Clarksville		cres Currently Landfilled	(acres):		
County:	Clark		verage Depth (feet):			
State:	IN		/aste-in-Place (tons):		4,033,944	
Year Open:	1973	19	998 Waste-in-Place (tons)	:	4,180,774	
Year Closed:	2001					
<u> </u>	<u></u>	LANDFILL GAS CO	LLECTION			
Estimated Methane Genera	•		1.49			
LFG Collection System Sta						
Current LFG Collected (mi	•					
Collection and Treatment S	System Required Under NSPS		No			
	C	. LANDFILL GAS UT	ILIZATION			
Current Utilization:						
Utilization System Sta	atus: Potential					
Utilization System Ty	pe: Unknown					
Utilization System Sta	art Year:					
Electric Utility Provid						
Natural Gas Provider(s):					
Energy Purchaser(s):						
Capacity:	Electricity	Generation Project (MV	W) OR	Direct Use Project (mmBt	u/hr)	
Estimated Potential C	apacity:		5		47	
Current Capacity:						
Planned Capacity:						
Utilities in County:	Clark County	Rural E M C: Harrison	County Rural E M C: Jack	son County Rural E M C;	PSI Energy	
Ť	-	OMENTAL BENEFIT	•	· · · · · · · · · · · · · · · · · · ·	23	
		Pote	ential	Current		
Methane Reduction (tons/y	r)·	1000	8,599	Carron	0	
CO2 Equivalent of CH4 Re			180,581		0	
Emissions Avoided by Foss	sil Fuel Displacement:	Electricity Gene	ration Project	Direct Use Pro	pject	
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)	
	Coal:	36,307	230	25,895	236	
	Fuel Oil:	29,799	192	21,254	124	
	Natural Gas:	20,037	0	14,291	0	
	Naturat Gas.			14,291	0	
	3 150 0	E. CONTACT INFOR	MATION	1 1991 0		
	Landfill O	wner 		Landfill Operator	···	
Contact Name: Pau	ıl Garrett		Phil Cato			
Mailing Address:			PO Box 2128			
-						
Phone Number:			812-945-5976			
			5.2.7 . 3.3710			
Fax Number:						
* Itallicized indicates value	s estimated by EPA.	Dec	ember 5, 1998	State: IN P	age: 7	
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			Coal Bluff L			Landfill Cate	egory: Candidate
		A. GENERAI	LANDFILL II	NFORMAT	TON		
Landfill Owner:	Laidlaw Waste Sy	stems	Aı	nnual Accep	tance Rate (tons):	143,000
Landfill Owner Type:	Private		Ye	ear Annual A	Acceptance I	Rate Reported:	
Alternative Landfill Name:			De	esign Capac	ity (tons):		
City:	Terre Haute		Ad	cres Current	ly Landfilled	d (acres):	
County:	Vigo		A	verage Dept	h (feet):		
State:	IN		W	aste-in-Plac	e (tons):		2,145,000
Year Open:	1975		19	98 Waste-in	-Place (tons	5):	2,145,000
Year Closed:	1989					•	
		B. LAND	FILL GAS COI	LECTION	I		
Estimated Methane Generation	ı (mmscf/d):			0.97			
LFG Collection System Status	:						
Current LFG Collected (mmsc	f/d):						
Collection and Treatment Systematics	em Required Unde	r NSPS/EG:		No			
		C. LAND	FILL GAS UTI	LIZATION	N		
Current Utilization:							
Utilization System Status:	Potent	al					
Utilization System Type:	Unkno	wn					
Utilization System Start Y	ear:						
Electric Utility Provider(s	s):						
Natural Gas Provider(s):							
Energy Purchaser(s):							
~ .						.	- " .
Capacity:	Ele	ectricity Genera	tion Project (MV	V) (OR	Direct Use Project (mm	Btu/hr)
Estimated Potential Capa	city:	٠		3			30
Current Capacity:							
Planned Capacity:							
Utilities in County:	Parke	County Rural E	M C: PSI Energ	v Inc: Sulliy	/an County F	Rural E M C; Utilities Dis	st of Western
					-		
	D. E	NVIROMENI	AL BENEFITS	OFUIL	IZATION		
			Pote	ntial		Curre	nt
Methane Reduction (tons/yr):					5,589		0
CO2 Equivalent of CH4 Reduc	tion (tons/yr):				117,361		0
Emissions Avoided by Fossil F	uel Displacement	,	Electricity Gener	ration Projec	nt .	Direct Use I	Project
211100001011101000000	ner Displacement.	1	O2 (tons/yr)	SO2 (to		CO2 (tons/yr)	SO2 (tons/yr)
			-	202 (10.	-	•	
	Coa		23,678		150	16,829	153
	Fuel Oi	!:	19,434		125	13,813	81
	Natural Gas	:	13,068		0	9,288	0
		F CON	TACT INFOR	MATION			
	Lai	dfill Owner	TACTETOR	MATION		Landfill Operator	
Contact Name:	Dui				NT:	operator	
Contact Name.				Terry	Niece		
Mailing Address:				Coal	Bluff Road		
				i			
Phone Number:				312-4	39-6686		
Fax Number:				i			
I ax I unioci.							
* Itallicized indicates values es	timated by EPA.		Dece	mber 5, 199	98	State: IN	Page: 8
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		County Line		Landfill Categor	y: Current
		ENERAL LANDFILL I			<u></u>
Landfill Owner:	Allied Waste Industries		nnual Acceptance Rate (70,191
Landfill Owner Type:	Private		ear Annual Acceptance	Rate Reported:	1993
Alternative Landfill Name			esign Capacity (tons):		
City:	Argos		cres Currently Landfille	d (acres):	
County:	Fulton		verage Depth (feet):		000 (74
State:	IN		/aste-in-Place (tons):	1	982,674
Year Open:	1983	TS.	998 Waste-in-Place (ton:	s <i>):</i>	1,123,056
Year Closed:	2054	LANDFILL GAS CO	LLECTION		
E-rim at al Markette Communication			0.71	<u> </u>	<u> </u>
Estimated Methane Genera LFG Collection System St	<u>-</u>		0.71		
Current LFG Collected (m					
	System Required Under NSP	S/FG:	No		
Concetion and Treatment	-	S. LANDFILL GAS UT			
Current Utilization:			-		
Utilization System Sta	atus: Construction				
Utilization System Ty		o Engine			
Utilization System Sta	•	g Engine			
Electric Utility Provide					
Natural Gas Provider(•			
Energy Purchaser(s):	٠,٠				
Capacity:	Electricit	y Generation Project (M)	W) OR	Direct Use Project (mmBtu	hr)
Estimated Potential C	Capacity:		2		22
Current Capacity:					
Planned Capacity:					
Utilities in County:	Fulton Count	y Rural E M C; Kosciusk	to County Rural E M C:	Marshall County Rural E M (C; Norther
•		OMENTAL BENEFITS		•	
			ential	Current	
Methane Reduction (tons/y	,,,,	Fole	4,077	Current	0
Methane Reduction (tons) CO2 Equivalent of CH4 Re	1		85,625		0
CO2 Equivalent of CH4 Re	eduction (tons/yr).		65,025		
Emissions Avoided by Foss	sil Fuel Displacement:	Electricity Gener	ration Project	Direct Use Proje	ect
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	17,364	110	12,279	112
	Fuel Oil:	14,252	92	10,078	59
	Natural Gas:				
	Natural Gas.	9,583	0	6,776	0
	Landfill (E. CONTACT INFOR	MATION	Landfill Operator	
Contact Name: Ge	ne Horn		Tony Schroeder	· · · · · · · · · · · · · · · · · · ·	
	ne mom		Tony Bemocael		
Mailing Address:					
Dhana Niverbarr					
Phone Number:			219-892-6483		
Fax Number:					
k Italliainad in dia	on antimated by EDA	r	ambar 5 1000	Control IN P	
fitallicized indicates value	s estimated by EFA.	Dec	ember 5, 1998	State: IN Pag	ge: 9

			Earthmovers			Landfill Ca	itegory:	Candidate
		A. Gl	ENERAL LANDFILL	INFORMAT	ION			
Landfill Owner:	USA Wa	aste Services, In	nc. A	Annual Accept	tance Rate	(tons):		194,838
Landfill Owner Type:	Private				-	Rate Reported:		1996
Alternative Landfill Nar				Design Capaci	-			
City:	Elkhart			Acres Currentl	-	d (acres):		
County:	Elkhart			Average Depth				4.001.500
State: Year Open:	IN 1976			Waste-in-Place 1998 <i>Waste-in</i>		c)·		4,091,598 4,932,488
Year Closed:	2007		I	770 Wasie-In	-1 iace (10n.	s <i>)</i> .	•	T,734,400
- 3	2007	I	3. LANDFILL GAS CO	LLECTION				
Estimated Methane Gen	eration (mmscf/	/d):		1.68				
LFG Collection System		*						
Current LFG Collected								
Collection and Treatmer	nt System Requi	ired Under NSP	PS/EG:	No			•	
			C. LANDFILL GAS UT	ILIZATION	1			
Current Utilization:								
Utilization System		Unknown						
Utilization System		Unknown					•	
Utilization System								
Electric Utility Pro								
Natural Gas Provid								
Energy Purchaser(s	s <i>y</i> .							
Capacity:		Electricit	ty Generation Project (M	W) (OR	Direct Use Project (m	mBtu/hr)	
Estimated Potentia	l Capacity:			5				53
Current Capacity:								
Planned Capacity:								
Utilities in County:		Fruit Belt Ele	ectric Coop; Indiana Mic	higan Power	Co; La Gra	nge County Rural E M (C; Marsha	all Cou
50.00 200		D. ENVIR	OMENTAL BENEFIT	S OF UTILI	ZATION	100		
			Pot	tential		. Cur	rent	
Methane Reduction (ton	•				9,711			0
CO2 Equivalent of CH4	Reduction (ton.	s/yr):	•	2	203,927			0
Emissions Avoided by F	ossil Fuel Displ	lacement:	Electricity Gene	eration Projec	et .	Direct Use	Project	
•	•		CO2 (tons/yr)	SO2 (tor		CO2 (tons/yr)	•	(tons/yr)
		Coal:	41,042		259	29,243		266
		Fuel Oil:	33,686		217	24,001		140
	Na	tural Gas:	22,651		0	16,139		o
			E. CONTACT INFO	RMATION		I.		
		Landfill (Owner			Landfill Operator		
Contact Name:	Thomas Quinn,	P.E.		Richa	rd Barr			! !
Mailing Address:	31725 N. Route	83		PO Be	ox 966			
				i I				
Phone Number:	847-223-2722			219-8	75-5232			i
Fax Number:				ř .				i
* Itallicized indicates val	lues estimated h	ov FPA	Dec	cember 5, 199	8	State: IN	Page:	10
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		A CENU	Elkhart County - C		TON	Lar	ndfill Category:	Candidate
Landfill Owner:		County		nnual Accep				138,152
Landfill Owner Type:	Public				-	Rate Reported:		1996
Alternative Landfill Nar				Design Capaci	=	17 1		
City:	Goshen			cres Current	-	d (acres):		
County:	Elkhart			verage Depti				2 624 000
State: Year Open:	IN 1978			Vaste-in-Place	· ·	-1-		2,624,888 2,794,512
Year Closed:	2014		1.	998 Waste-in	-Piace (ions	s):		2,794,312
1 car Closeu.	. 2014	R. L.	ANDFILL GAS CO	LLECTION			San San San San	
F-i: A Made C		<u> </u>			·	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
Estimated Methane Gen	-	f/d):		1.13				
LFG Collection System Current LFG Collected (
Collection and Treatmer		vised Under NSDS/E	G.	No			•	
Conection and Treatmen	ii System Requ		G. ANDFILL GAS UT		1			
C HAN A		C. D.	ANDIALE GAS CI	ILIZATIO	•			
Current Utilization:	Charles	D						
Utilization System		Potential						
Utilization System		Unknown						
Utilization System								
Electric Utility Prov								
Natural Gas Provid								
Energy Purchaser(s	s):							
Capacity:		Electricity G	eneration Project (M	W) (OR	Direct Use Pro	ject (mmBtu/hr)
Estimated Potential	l Capacity:			4				35
Current Capacity:	oupuony.			•				55
Planned Capacity:								
Utilities in County:		Fruit Belt Electri	c Coop; Indiana Mic	higan Power	Co; La Grai	nge County Rura	al E M C; Marsh	iall Cou
		D. ENVIRON	IENTAL BENEFIT	S OF UTILI	ZATION			
			Pot	ential			Current	
Methane Reduction (tons	s/yr):				6,549			0
CO2 Equivalent of CH4	Reduction (tor	ıs/yr):			137,531			0
							_	
Emissions Avoided by Fo	ossil Fuel Disp	placement:	Electricity Gene	•			ect Use Project	
			CO2 (tons/yr)	SO2 (to	ıs/yr)	CO2 (tons	s/yr) SO	2 (tons/yr)
		Coal:	27,625		175	19	9,722	180
		Fuel Oil:	22,673		146	16	5,187	94
	N	atural Gas:	15,246		0	10),884	0
				NA AMERICAN	Ü	1		
		Landfill Own	CONTACT INFOR	MATION		Landfill Ope	rator	
Contact Name:			CI			Landini Ope		
Contact Name:	Thomas Byers			Thom	as Byers			
Mailing Address: 4	1230 Elkhart R	d		4230	Elkhart Rd			•
				İ				
Phone Number:	219-875-3337			219-8	75-3337			
Fax Number:						•		
				ļ				
* Itallicized indicates val	ues estimated	by EPA.	Dec	ember 5, 199	8	State:	IN Page:	11

		Gary Sanitary	LF	Landfill Cat	egory: Candidate
	Α,	GENERAL LANDFILL I	NFORMATION	447	
Landfill Owner:	Continental Waste	A	nnual Acceptance Rate	(tons):	674,113
Landfill Owner Type:		Y	ear Annual Acceptance	Rate Reported:	1996
Alternative Landfill Name:		D	esign Capacity (tons):		
City:		A	cres Currently Landfille	ed (acres):	
County:	Lake	A	verage Depth (feet):		
State:	IN	W	'aste-in-Place (tons):		17,526,938
•	1971	19	998 Waste-in-Place (tor	ıs):	5,954,844
Year Closed:					_
		B. LANDFILL GAS CO	LLECTION		
Estimated Methane Generation	(mmscf/d):	•	1.94		
LFG Collection System Status:					
Current LFG Collected (mmscf	7/d):				
Collection and Treatment Syste	em Required Under N	SPS/EG:	No		
		C. LANDFILL GAS UT	ILIZATION		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Current Utilization:					
Utilization System Status:	Planned				
Utilization System Type:	Reciproca	ting Engine			
Utilization System Start Y	ear:				
Electric Utility Provider(s)):		•		
Natural Gas Provider(s):					
Energy Purchaser(s):	Nipsco				
Capacity:	Electri	icity Generation Project (M	W) OR	Direct Use Project (mn	nBtu/hr)
Estimated Potential Capac	city:		6		61
Current Capacity:	,				.
Planned Capacity:			;		
Utilities in County:	Kankakee	Valley Rural E M C; North	ern Indiana Pub Serv Co	0	
		IROMENTAL BENEFIT		_	
	D. EIV			_	l
		Pote	ential	Curr	
Methane Reduction (tons/yr):			11,223		0
CO2 Equivalent of CH4 Reduct	tion (tons/yr):		235,675	i	0
Emissions Avoided by Fossil Fi	uel Displacement:	Electricity Gene	ration Project	Direct Use	Project
•	·	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	48,146	304	33,795	308
					!
	Fuel Oil:	39,516	254	27,738	162
	Natural Gas:	26,571	0	18,651	0
· · · · · · · · · · · · · · · · · · ·	Ž.	E. CONTACT INFOR	MATION		
•	Landfi	ll Owner		Landfill Operator	
Contact Name:			Jerry Marks		
Mailing Address:			1900 Burr Street		:
Maining Address.			1700 Bull Stieet	•	,
Phone Number:			219-944-1077		
Fax Number:					
I UA I TOITIOOT.					
* Itallicized indicates values est	imated by EPA.	Dece	ember 5, 1998	State: IN	Page: 12

Landfill Owner: Caldwells Gravel Company Annual Acceptance Rate (tons): Landfill Owner Type: Private Year Annual Acceptance Rate Reported: Alternative Landfill Name: Design Capacity (tons): City: Acres Currently Landfilled (acres): County: Hancock Average Depth (feet): State: IN Waste-in-Place (tons): Year Open: 1971 1998 Waste-in-Place (tons): Year Closed: 2005 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.09 LFG Collection System Status: Under NSPS/EG: No Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No CLANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s):	42,579 1996 1,107,054 2,623,320
Landfill Owner Type: Private Year Annual Acceptance Rate Reported: Alternative Landfill Name: Design Capacity (tons): City: Acres Currently Landfilled (acres): County: Hancock Average Depth (feet): State: IN Waste-in-Place (tons): Year Open: 1971 1998 Waste-in-Place (tons): Year Closed: 2005 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.09 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: Unknown Utilization System Start Year: Electric Utility Provider(s):	1,107,054 2,623,320
Alternative Landfill Name: City: County: Hancock Average Depth (feet): State: IN Waste-in-Place (tons): Year Open: 1971 1998 Waste-in-Place (tons): Year Closed: B. LANDFILL GAS COLLECTION 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: Unknown Utilization System Staty Year: Electric Utility Provider(s):	1,107,054 2,623,320
City: Acres Currently Landfilled (acres): County: Hancock Average Depth (feet): State: IN Waste-in-Place (tons): Year Open: 1971 1998 Waste-in-Place (tons): Year Closed: 2005 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.09 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: Unknown Utilization System Start Year: Electric Utility Provider(s):	2,623,320
County: Hancock Average Depth (feet): State: IN Waste-in-Place (tons): Year Open: 1971 1998 Waste-in-Place (tons): Year Closed: 2005 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.09 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: Unknown Utilization System Start Year: Electric Utility Provider(s):	2,623,320
State: IN Waste-in-Place (tons): Year Open: 1971 1998 Waste-in-Place (tons): Year Closed: 2005 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.09 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: Unknown Utilization System Start Year: Electric Utility Provider(s):	2,623,320
Year Open: 1971 1998 Waste-in-Place (tons): Year Closed: 2005 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.09 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: Unknown Utilization System Start Year: Electric Utility Provider(s):	2,623,320
Year Closed: 2005 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.09 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: Unknown Utilization System Start Year: Electric Utility Provider(s):	
B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.09 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: Unknown Utilization System Start Year: Electric Utility Provider(s):	
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: Unknown Utilization System Start Year: Electric Utility Provider(s):	
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: Unknown Utilization System Start Year: Electric Utility Provider(s):	
Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Unknown Utilization System Type: Utilization System Start Year: Electric Utility Provider(s):	
Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s):	
C. LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s):	
Current Utilization: Utilization System Status: Utilization System Type: Utilization System Start Year: Electric Utility Provider(s):	
Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s):	
Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s):	
Utilization System Start Year: Electric Utility Provider(s):	
Electric Utility Provider(s):	
·	
Natural Gas i Tovider(s).	
Energy Purchaser(s):	
Zheigj i dichaser(o).	
Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtr	:u/hr)
Estimated Potential Capacity: 3	34
Current Capacity:	
Planned Capacity:	
Utilities in County: Central Indiana Power; Greenfield Power & Light; Henry County Rural E M C; PSI Energ	gy Inc; Rush
D. ENVIROMENTAL BENEFITS OF UTILIZATION	
Potential Current	
Methane Reduction (tons/yr): 6,296	0
CO2 Equivalent of CH4 Reduction (tons/yr): 132,216	0
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Pro	vject
CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr)	SO2 (tons/yr)
Coal: 26,835 170 18,960	173
Fuel Oil: 22,025 142 15,561	91
Natural Gas: 14,810 0 10,464	0
E. CONTACT INFORMATION Landfill Owner Landfill Operator	
Contact Name: Dana Caldwell Dana Caldwell	
Mailing Address: PO Box 212 PO Box 212	
Phone Number: 317-763-6258 317-763-6258	
317-703-0230	
Fax Number:	
* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Pa	
STAR Version 1.0/1 MOR	Page: 13

			Hayes LF			Landfill Categor	y: Candidate
		A. G	ENERAL LANDFILL IN	FORMATIC	N		
Landfill Owner:			Ar	mual Accepta	nce Rate	(tons):	81,888
Landfill Owner Type:	Public		Ye	ar Annual Ac	ceptance	Rate Reported:	1996
Alternative Landfill Na	me:		De	sign Capacity	(tons):		
City:			Ac	res Currently	Landfille	d (acres):	
County:	Henry		Av	erage Depth (feet):		
State:	IN		Wa	aste-in-Place ((tons):		1,801,536
Year Open:	1975		19	98 Waste-in-F	Place (ton	s):	1,943,016
Year Closed:	2001						
		1	8. LANDFILL GAS COL	LECTION			
Estimated Methane Gen	neration (mmscf/d) <i>:</i>		0.91			
LFG Collection System	-	•					
Current LFG Collected							
Collection and Treatmen	nt System Require	ed Under NSF	PS/EG:	No		•	
	-		C. LANDFILL GAS UTI	LIZATION			
Current Utilization:							
Utilization System	Status:	Unknown					•
Utilization System		Unknown					
Utilization System		O I I I I I I I I I I I I I I I I I I I					
Electric Utility Pro							
Natural Gas Provid							
Energy Purchaser(s	. ,						
<i>.</i> .							
Capacity:		Electrici	ty Generation Project (MW	() OF	t	Direct Use Project (mmBtu	/hr)
Estimated Potentia	l Capacity:			3			29
Current Capacity:			•				
Planned Capacity:							
Utilities in County:		Dunraith Ela	atria Dant: Hanry County	Dural E M C	Vnichtet	own Electric Utility; Lewisvil	la Muni I
Othlies in County.						own Electric Othicy, Lewisvii	ic Muin L
		D. ENVII	ROMENTAL BENEFITS	OF UTILIZ	ATION	i .	
			Potes	ntial		Current	
Methane Reduction (ton	s/yr):				5,290		0
CO2 Equivalent of CH4	Reduction (tons/	yr):		11	1,088		0
Emissions Avoided by F	ossil Fuel Displa	cement:	Electricity General	-		Direct Use Proje	
			CO2 (tons/yr)	SO2 (tons	yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	22,889		145	15,930	145
		Fuel Oil:	18,786		121	13,075	76
		ıral Gas:	12,632		0	8,792	0
	Ivaii	irai Gas.			U	6,792	<u> </u>
			E. CONTACT INFOR	MATION			
		Landfill	Jwner			Landfill Operator	
Contact Name:	Beverly Hayes			Randy I	Hayes		
Mailing Address:				:			
				: I			
Phone Number:				217 500	1227		
				317-529	7-2331		
Fax Number:							
* Itallicized indicates va	luge actimated be-	FPΔ	Daga	mber 5, 1998	-	State: IN Pag	ge: 14
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			Jay County		Landjili Ca	tegory: Candidate
	<u></u>	A. G	ENERAL LANDFILL	INFORMATION		
Landfill Owner:	USA W	aste Services, I		Annual Acceptance F		80,487
Landfill Owner Type:	Private			Year Annual Accepta		1996
Alternative Landfill Na	ame:			Design Capacity (ton		
City:	Portlan	d		Acres Currently Land		
County:	Jay			Average Depth (feet)		
State:	IN		,	Waste-in-Place (tons)) :	1,770,714
Year Open:	1975			1998 Waste-in-Place	(tons):	6,164,520
Year Closed:	2004					
]	B. LANDFILL GAS CO	DLLECTION		
Estimated Methane Ge	neration (mmsc	f/d):		1.99		
LFG Collection System	n Status:					
Current LFG Collected	l (mmscf/d):					
Collection and Treatme	ent System Requ	uired Under NSI	PS/EG:	No		
			C. LANDFILL GAS U	FILIZATION		
Current Utilization:						
Utilization System	n Status:	Potential				
Utilization System		Unknown				
Utilization System		Ommown				
Electric Utility Pr						
Natural Gas Provi						
Energy Purchaser	• •					
Energy Furchases	(3).					
Capacity:		Electrici	ty Generation Project (M	IW) OR	Direct Use Project (m	mBtu/hr)
Estimated Potenti	al Capacity:			6		62
Current Capacity:						~-
Planned Capacity						
y						
Utilities in County:		Indiana Mic	higan Power Co; Jay Co	unty Rural E M C		
		D. ENVII	ROMENTAL BENEFI	IS OF UTILIZATION	ON	
			P.o.	tential	Curr	rant
Mathana Paduation (to	ma(),m).		TO TO	11,53:		0
Methane Reduction (to		ma 6. m.).		242,18		0
CO2 Equivalent of CH	4 Reauction (to)	187yr): 		242,16	/	· · · · · · · · · · · · · · · · · · ·
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Gen	eration Project	Direct Use	Project
·	•		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	48,935	309	34,729	316
		Fuel Oil:	40,164	259	28,504	166
	N	atural Gas:	27,007	. 0	19,167	0
			E. CONTACT INFO	RMATION		
		Landfill		RWATION	Landfill Operator	
Contact Name						
Contact Name:	Tim Giardina			Tim Giardin	a	
Mailing Address:	2323 East 850	North		2323 East 85	50 North	
	PO Box 403			PO Box 403		
Phone Number:	219-638-4145			219-638-414	15	
	J., 000 TITD			217-030-414	-	
Fax Number:				· 1		
* Itallicized indicates v	alues estimated	by EPA	Πe	cember 5, 1998	State: IN	Page: 15
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		LaPorte County	RDF	Landfill Catego	ry: Current
	A. G	ENERAL LANDFILL II	NFORMATION		
Landfill Owner:	WMI	A	nnual Acceptance Rate (t	ons):	566,470
Landfill Owner Type:	Public	Y	ear Annual Acceptance R	Rate Reported:	1996
Alternative Landfill Name:	Deercroft LF	D	esign Capacity (tons):		
City:		A	cres Currently Landfilled	(acres):	
County:	La Porte	A	verage Depth (feet):		
State:	IN	W	aste-in-Place (tons):		10,196,460
Year Open:	1979	19	998 Waste-in-Place (tons):	12,254,994
Year Closed:	1996				
	I	B. LANDFILL GAS COI	LLECTION		
Estimated Methane Generat	ion (mmscf/d):		3.55		
LFG Collection System Stat	· ·				
Current LFG Collected (mm					
Collection and Treatment Sy		PS/EG:	No		
	_	C. LANDFILL GAS UT	ILIZATION		
Current Utilization:					
	mar Omanational				
Utilization System Stat Utilization System Typ	•	a Engine			
Utilization System Star	•	g Engine			
Electric Utility Provide					
Natural Gas Provider(s					
,).				
Energy Purchaser(s):					
Capacity:	Electrici	ty Generation Project (MV	V) OR	Direct Use Project (mmBt	u/hr)
Estimated Potential Ca	pacity:		11		111
Current Capacity:	pacity.				•••
Planned Capacity:					
Utilities in County:	Kankakee V	alley Rural E M C; Kings	ford Heights Munic Utils	; Northern Indiana Pub Serv	v Co
	D. ENVII	ROMENTAL BENEFITS	S OF UTILIZATION		
		Pote	ential	Current	
Methane Reduction (tons/yr,).	1010	20,539	Current	0
CO2 Equivalent of CH4 Rea			431,323		0
CO2 Equivalent of C114 Red	uction (tons) yr).		431,323		
Emissions Avoided by Fossi	l Fuel Displacement:	Electricity Gener	ration Project	Direct Use Pro	ject
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	87,610	554	61,851	563
	Fuel Oil:	71,906	463	50,765	296
	Natural Gas:	48,351	0	34,135	0
	Landfill (E. CONTACT INFOR	MATION	Landfill Operator	
Contact Name: Den	ny Johnson		Denny Johnson	<u>*</u>	
1	ny Johnson				
Mailing Address:			PO Box 8988		
Phone Number:			219-879-4653		
Fax Number:					
rax inumoci.					
* Itallicized indicates values	estimated by EPA.	Dece	ember 5, 1998	State: IN Pa	nge: 16
<u> </u>			•		•

•		Laidlaw South L ENERAL LANDFILL IN		Landfill Cate	gory: Current
I Impo					260.262
Landfill Owner:	BFI		nual Acceptance Rate (to		268,363
Landfill Owner Type:	Private		or Annual Acceptance Raign Capacity (tons):	ате керопеа:	1996
Alternative Landfill Name:	Southside LF; Yaw Hill Indianapolis		es Currently Landfilled	(norac):	
City: County:	Marion		erage Depth (feet):	(acres).	
State:	IN		ste-in-Place (tons):		5,903,986
Year Open:	1975		8 Waste-in-Place (tons)		6,378,072
Year Closed:	2006	. 122	o wasie-in-i lace (lons)	•	0,570,072
Tear Closed.		. LANDFILL GAS COLI	LECTION		
Estimated Methane Generat	ion (mmscf/d):		2.05		
LFG Collection System Stat	•		2.00		
Current LFG Collected (mm				•	
Collection and Treatment Sy	·	S/EG:	No		
	-	C. LANDFILL GAS UTII	IZATION		
Current Utilization:					
Utilization System Stat	us: Operational				
Utilization System Typ		g Engine			
Utilization System Star	t Year:				
Electric Utility Provide	r(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):					
Capacity:	Electricit	y Generation Project (MW) OR	Direct Use Project (mmI	Btu/hr)
Estimated Potential Ca	pacity:		6		64
Current Capacity:		•			•
Planned Capacity:					
Utilities in County:	Parke County	y Rural E M C; PSI Energy	Inc; Sullivan County R	ural E M C; Utilities Dist	of Western
	D. ENVIR	OMENTAL BENEFITS	OF UTILIZATION		
		Poten	tial	Currer	nt
Methane Reduction (tons/yr,) <i>:</i>		11,849		0
CO2 Equivalent of CH4 Rea	i i		248,819		0
· · · · · · · · · · · · · · · · · · ·					
Emissions Avoided by Fossi	l Fuel Displacement:	Electricity Genera	- 1	Direct Use P	•
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	50,514	319	35,680	325
	Fuel Oil:	41,459	267	29,285	171
	Natural Gas:	27,878	0	19,691	0
		E. CONTACT INFORM			
	Landfill (Landfill Operator	
Contact Name: John	Balkema		Scott Fitzgerald		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Mailing Address: 2314	Miller Road		2561 Kentucky Av	e	
j Di Na					
Phone Number: 616-	388-3346		317-247-6808		
Fax Number:					
ltallicized indicates values	estimated by EPA	Decer	nber 5, 1998	State: 1N	Page: 17

	A C	National Serv-A		Landfill Cate	egory: Curren
Landfill Owner:	Republic Industries, In-		Annual Acceptance Rate		337,593
Landfill Owner Type:	Private		Year Annual Acceptance	Rate Reported:	1996
Alternative Landfill Name:	McBeth Road		Design Capacity (tons):		
City:	Fort Wayne		Acres Currently Landfille	d (acrès):	
County:	Allen	A	Average Depth (feet):		
State:	IN	V	Waste-in-Place (tons):		9,115,011
Year Open:	1970	1	1998 Waste-in-Place (ton	s):	13,130,475
Year Closed:	2012				
	\$865	B. LANDFILL GAS CO	LLECTION		
Estimated Methane Genera	tion (mmscf/d):		3.78		
LFG Collection System Sta	•				
Current LFG Collected (mn			5.4		
Collection and Treatment S		PS/EG:	No		
\$ Car Car	·	C. LANDFILL GAS UT			
3					
Current Utilization:					
Utilization System Sta					
Utilization System Typ		mal			
Utilization System Sta					
Electric Utility Provide					
Natural Gas Provider(s): Unknown				
Energy Purchaser(s):	1. Brooks A	Asphalt (actual user)			
Capacity:	Electric	ity Generation Project (M	(W) OR	Direct Use Project (mm	Btu/hr)
Estimated Potential Co	anacity:		12		118
Current Capacity:	pacay.				113
Planned Capacity:					113
Trained Capacity.					
Utilities in County:	Indiana Mic	higan Power Co; Noble C	County Rural E M C; Nor	theastern Rural E M C; Pa	aulding-Putna
	D. ENVI	ROMENTAL BENEFIT	S OF UTILIZATION		
		Por	tential	Curre	nt
Methane Reduction (tons/yr	·):	 	21,834		20,814
CO2 Equivalent of CH4 Red	duction (tons/yr):		458,512		437,090
		<u> </u>			· · · · · · · · · · · · · · · · · · ·
Emissions Avoided by Fossi	il Fuel Displacement:	Electricity Gene		Direct Use I	-
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	93,135	589	65,750	598
	Fuel Oil:	76,441	492	53,964	315
	Natural Gas:	51,400	0	36,286	0
		E. CONTACT INFO	RMATION		
22 in the contract of the cont	Landfill	Owner		Landfill Operator	
Contact Name: Gre	g Wallbridge		Chuck Wallbridg	e	
Mailing Address: 623	l MacBeth Road		6231 McBeth Rd		
Phone Number: 219	-747-4117		219-747-4117		
LIIOHE MUHDEL 710	, , , , , , , , , , , , , , , , , , , ,		617-171 -7 111		
Fax Number: 219 Fax Number: 11 Itallicized indicates values			cember 5, 1998	State: IN	Page: 18

New Paris Pike LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: 86,546 Richmond City Annual Acceptance Rate (tons): 1996 Landfill Owner Type: **Public** Year Annual Acceptance Rate Reported: Alternative Landfill Name: New Paris (Richmond); Richmond LF Design Capacity (tons): Acres Currently Landfilled (acres): 90 City: Richmond 80 County: Wavne Average Depth (feet): State: IN Waste-in-Place (tons): 1,817,466 Year Open: 1976 1998 Waste-in-Place (tons): 1,909,621 Year Closed: 2021 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 0.91 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:** Potential Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Richmond Power and Light Natural Gas Provider(s): Richmond Power and Light Energy Purchaser(s): Neighbors and Richmond Power & Light, Bl OR Capacity: Electricity Generation Project (MW) Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 28 Current Capacity: Planned Capacity: Centerville Munic Light & Power Dept; Dublin Muni Elec Light System; Hagerstown Mun Light Dep Utilities in County: D. ENVIROMENTAL BENEFITS OF UTILIZATION (A) Potential Current Methane Reduction (tons/vr): 5,241 0 CO2 Equivalent of CH4 Reduction (tons/yr): 110,053 0 Emissions Avoided by Fossil Fuel Displacement: **Electricity Generation Project** Direct Use Project CO2 (tons/yr) SO2 (tons/vr) CO2 (tons/yr) SO2 (tons/yr) 22,100 140 15,781 144 Coal: Fuel Oil: 12,953 18.139 117 76 Natural Gas: 12,197 0 8,710 0 E, CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Joe Bartle, Compliance Manager Joe Bartle Mailing Address: 2380 Liberty Avenue 2380 Liberty Avenue Phone Number: 765-983-7457 765-983-7457 Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 19

		North Wells L		Landfill Category	v: Candidate
		GENERAL LANDFILL I	<u> </u>		
	North Wells		nnual Acceptance Rate		98,193
	Private		ear Annual Acceptance	Rate Reported:	1993
Alternative Landfill Name:			esign Capacity (tons):		
City:	Walle		cres Currently Landfille	ed (acres):	
	Wells IN		verage Depth (feet): aste-in-Place (tons):		1,331,427
Year Open:	1975		aste-in-Place (tons): 198 Waste-in-Place (ton	· c)·	1,331,427
•	1994	19	20 masie-in-i tace (1011		1,551,720
		B. LANDFILL GAS COI	LECTION		r jag tolek
Estimated Methane Generation	(mmscf/d):	<u> </u>	0.76		
LFG Collection System Status:			0.70		
Current LFG Collected (mmscf					
Collection and Treatment Syste		SPS/EG:	No		
Ž		C. LANDFILL GAS UTI	LIZATION		
Current Utilization:					
Utilization System Status:	Unknown				
Utilization System Type:	Unknown				
Utilization System Start Y	ear:				
Electric Utility Provider(s):				
Natural Gas Provider(s):					
Energy Purchaser(s):					
Capacity:	Electric	city Generation Project (MV	V) OR	Direct Use Project (mmBtu/	hr)
Estimated Potential Capa	city:		2		24
Current Capacity:					
Planned Capacity:					
Utilities in County:	Bluffton M	lunic Light & Water Works	: Indiana Michigan Pow	ver Co; Jay County Rural E M	C: United
		ROMENTAL BENEFITS		2. 20, 22, County Rulai B M	_, Gwee - 75@
	D. ENV			(
		Pote		Current	^
Methane Reduction (tons/yr):			4,386		0
CO2 Equivalent of CH4 Reduc	tion (tons/yr):		92,096		0
Emissions Avoided by Fossil Fi	uel Displacement:	Electricity Gener	ration Project	Direct Use Proje	ect
•		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) S	O2 (tons/yr)
	Coal:	18,943	120	13,206	120
	Fuel Oil:	15,547	100	10,839	63
		1			
	Natural Gas:	10,454	0	7,289	0
		E. CONTACT INFOR	MATION		
	Landfill	l Owner		Landfill Operator	
Contact Name:			Bob Walls		
Mailing Address:			P.O. Box 1264		
Phone Number:					
Fax Number:					
* Itallicized indicates values est	imated by FDA	Page	ember 5, 1998	State: IN Pag	e: 20
- nauticizea inaicates values est	imuieu vy EFA.	Dece	ли с г э, 1770	State: IN Pag	e. 20

		Northside L	F		Landfill Cates	g <i>ory:</i> Candida
	A. (GENERAL LANDFILL I	NFORMAT	ION		
Landfill Owner:		A	nnual Accep	tance Rate	(tons):	218,37
Landfill Owner Type:	Public		-		Rate Reported:	199
Alternative Landfill Name:			esign Capaci		•	
City:			cres Currentl	-	ed (acres):	
County:	Boone	•	verage Depth	-	` '	
State:	IN		/aste-in-Place			3,712,32
Year Open:	1975		998 Waste-in		ıs):	3,712,32
Year Closed:	1991				,,.	, ,
		B. LANDFILL GAS CO	LLECTION			
Estimated Mathana Conquetion			1.37	<u> </u>		
Estimated Methane Generation LFG Collection System Statu	=		1.57			
Current LFG Collected (mms						
·	•	DC/E/C.	No			
Collection and Treatment Sys	stem Required Under NS	PS/EG: C. LANDFILL GAS UT	No DETACTION	T		
		C. LANDFILL GAS UT	ILILATION	l		
Current Utilization:						
Utilization System Statu						
Utilization System Type	: Unknown					
Utilization System Start	Year:					
Electric Utility Provider	(s):					
Natural Gas Provider(s):						
Energy Purchaser(s):						
Capacity:	Electric	ity Generation Project (M	W) (OR	Direct Use Project (mmE	Stu/hr)
Estimated Potential Cap	acity:		4			43
Current Capacity:			•			
Planned Capacity:						
	Advance M	um Links & Danion Heilisen	Doors Cour	tu Dunal E	M C; Jamestown Municipa	1 Light Dont
Utilities in County:		ROMENTAL BENEFIT		-	M C, Jamestown Municipa	Light Dept,
		T			G	
		Pote	ential	7.006	Curren	-
Methane Reduction (tons/yr):				7,906		
CO2 Equivalent of CH4 Redu	action (tons/yr):			166,034		
Emissions Avoided by Fossil	Fuel Displacement	Electricity Gene	ration Projec		Direct Use P	roject
Emissions rivolaca by rossii.	ruei Disputement.	CO2 (tons/yr)	SO2 (tor		CO2 (tons/yr)	SO2 (tons/yr
			202 100			•
	Coal:	33,939		215	23,809	21
	Fuel Oil:	27,856		179	19,541	11
	Natural Gas:	18,730		0	13,140	
		E. CONTACT INFOR	MATION			
	Landfill		WALLOIN		Landfill Operator	
Contact Name:			John I	Bankert		
14.11			005.5		401	
Mailing Address:			985 S	outh U.S.	+ ∠1	
			 i			
Phone Number:						
Fax Number:						
			<u> </u>			
* Itallicized indicates values e	estimated by EPA.	Dec	ember 5, 199	8	State: IN	Page: 2

			Oak Ridge	RDF		Landfill Car	regory: Candidate
		A. G	ENERAL LANDFILL	INFORMAT	TON	•	
Landfill Owner:	Indiana	Waste Systems		Annual Accep	tance Rate (t	ions):	352,305
Landfill Owner Type:	Private			Year Annual A	-	Rate Reported:	1996
Alternative Landfill Nan	•			Design Capac	-		
City:	Logans	port		Acres Current	-	(acres):	
County:	Cass			Average Dept			
State:	IN			Waste-in-Plac	- ·		3,875,355
Year Open:	1986			1998 Waste-in	-Place (tons):	5,068,284
Year Closed:	2012		B, LANDFILL GAS C	OLLECTION	Ī		
Estimated Methane Gen	eration (mmsc)	f/d):		1.71			
LFG Collection System	•	•					
Current LFG Collected (
Collection and Treatmen	ıt System Requ	ired Under NSI	PS/EG:	No			
			C. LANDFILL GAS U	TILIZATION	٧		
Current Utilization:						•	
Utilization System	Status:	Planned					
Utilization System	Туре:	Direct Therr	nal				
Utilization System	Start Year:						
Electric Utility Prov							
Natural Gas Provide	er(s):						
Energy Purchaser(s):						
Capacity:		Electrici	ty Generation Project (N	MW) (OR	Direct Use Project (mr	nBtu/hr)
Estimated Potential	Capacity:			5			54
Current Capacity:							
Planned Capacity:							
Utilities in County:		Carroll Cour	nty Rural E M C; Fulton	County Rural	E M C; Log	ansport Muni Util; Miai	ni Cass Count
•			ROMENTAL BENEFI	•		•	
							ant
Methane Reduction (tons	۰۵۰۳)،		Po	otential	9,912	. Curr	0
CO2 Equivalent of CH4	-	icAirl.			208,144		0
CO2 Equivalent of C11+	(101				200,177		
Emissions Avoided by Fo	ossil Fuel Disp	lacement:	Electricity Ger	ieration Projec	ct	Direct Use	Project
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	42,621		269	29,847	272
		Fuel Oil:	34,981		225	24,497	143
	N	atural Gas:	23,522		0	16,472	0
			E. CONTACT INFO	PRMATION	ļ	I ICH C	
Contact Name:	Valence D : 1	Landfill	Owner		- n- 3 :	Landfill Operator	
	Nelson. Becker				on Becker		
Mailing Address: 2	208 Fourth Stre	eet		. 208 F	Fourth Street		
Phone Number:	219-722-3730			219-7	22-3730		
Fax Number:							
* Itallicized indicates val	ues estimated	by EPA	Di	ecember 5, 199	98	State: IN	Page: 22
Ł		vy 12111.	Di	J. 193		State. 114	. 450. 22
STAR Versio	n I.U/LMOP						
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			Prairie Vi			Landfill Category	: Current
		A. G	ENERAL LANDFIL	L INFOR	RMATION	<u></u>	·
Landfill Owner:					Acceptance Rate (1		435,249
Landfill Owner Type:					nnual Acceptance F	Rate Reported:	1993
Alternative Landfill Name:			and Disposal Facilit	_	Capacity (tons):		
City:	Prairie V				urrently Landfilled	(acres):	109
County:	St Josep	h		_	Depth (feet):		75
State:	IN				aste-in-Place (tons	•	5,425,098
Year Open:	1981			1998 W	aste-in-Place (tons):	7,166,094
Year Closed:	1998	1	B. LANDFILL GAS	COLLEC	TION		
Estimated Mathama Consessi	ion (mmass	······································	J. HANDI HIJ GAO	2.2			<u> </u>
Estimated Methane Generation LFG Collection System State	-	ia):		Operation			
Current LFG Collected (mms				•	.9		
Collection and Treatment Sy	-	irad Undar NSI	os/EC+		.9 No	•	
Conection and Treatment Sy	stem Requ		C. LANDFILL GAS				
Current Utilization:							<u> </u>
Utilization System Statu	16.	Operational					
Utilization System Type		Reciprocatir	o Fnoine				
Utilization System Start		1994	ig Eligine				
Electric Utility Provider		1774					
Natural Gas Provider(s)							
Energy Purchaser(s):	·•						
Zilorgj i uronusor(s).							
Capacity:		Electrici	ty Generation Project	(MW)	OR	Direct Use Project (mmBtu/h	ır)
Estimated Potential Cap	pacity:			7	7		70
Current Capacity:	! 			3.2	2		19
Planned Capacity:							
Utilities in County:		Fruit Belt El	ectric Coop; Indiana M	Michigan F	Power Co; Kankake	ee Valley Rural E M C; Marsh	all Coun
		D. ENVII	ROMENTAL BENEI	FITS OF	UTILIZATION		
				Potential		Current	
Methane Reduction (tons/yr).					13,014		3,469
CO2 Equivalent of CH4 Red		s/vr):			273,290		72,849
Emissions Avoided by Fossil	Fuel Displ	lacement:	Electricity G	Generation	Project	Direct Use Projec	rt .
			CO2 (tons/yr)	Se	O2 (tons/yr)	CO2 (tons/yr) So	O2 (tons/yr)
		Coal:	55,249	9	349	39,189	357
		Fuel Oil:	45,346	6	292	32,165	187
	Na	itural Gas:	30,491	1	0	21,628	0
100 CHANG			E. CONTACT INF	FORMAT	ION		
		Landfill	Owner			Landfill Operator	
Contact Name:					Charles Hartsell		
Mailing Address:				ĺ			
Phone Number:					219-546-4475		
Fax Number:							
* Itallicized indicates values	actimated I	nı EDA		Doggart	5 1000	State: IN Page	. 22
£		IY BEA.	1	December	J, 1 778	State: IN Page	23
STAR Version 1.0)/LMOP						

		Randolph Farn	ns LF		Landfill Category	v: Current
	A. GF	ENERAL LANDFILL	INFORMATI	ON		
Landfill Owner: Rane	dolph Farms, Inc	A	Annual Accepta	ance Rate (cons):	157,015
Landfill Owner Type:		Y	ear Annual A	cceptance F	Rate Reported:	1993
Alternative Landfill Name:		r	Design Capacit	y (tons):		
City: Mod	loc	A	Acres Currently	/ Landfilled	(acres):	
County: Rand	dolph	A	Average Depth	(feet):		
State: IN		V	Vaste-in-Place	(tons):		3,454,330
Year Open: 1975	5	1	998 Waste-in-	Place (tons):	3,768,360
Year Closed: 2013	3					
	В	LANDFILL GAS CO	LLECTION			
Estimated Methane Generation (mn	nscf/d):		1.38			
LFG Collection System Status:						
Current LFG Collected (mmscf/d):						
Collection and Treatment System R	equired Under NSP	S/EG:	No			
	(CLANDFILL GAS UT	ILIZATION			
Current Utilization:						
Utilization System Status:	Operational			-		
Utilization System Type:	Special -Gree	enhouse				
Utilization System Start Year:	1997					
Electric Utility Provider(s):						
Natural Gas Provider(s):						
Energy Purchaser(s):						
Capacity:	Electricit	y Generation Project (M	W) 'O	R	Direct Use Project (mmBtu/	hr)
Estimated Potential Capacity:			4	-		43
Current Capacity:						
Planned Capacity:			1			
* *						
Utilities in County:	Henry Count	y Rural E M C; Indiana	Michigan Pow	er Co; Jay	County Rural E M C; Wayne	County R
	D. ENVIR	OMENTAL BENEFIT	S OF UTILIZ	ZATION		
		Poi	tential		Current	
Methane Reduction (tons/yr):				7,989		0
CO2 Equivalent of CH4 Reduction	(tons/yr):		1	67,775		0
		<u></u>				
Emissions Avoided by Fossil Fuel L)isplacement:	Electricity Gene	•		Direct Use Proje	
		CO2 (tons/yr)	SO2 (ton	s/yr)	CO2 (tons/yr) S	O2 (tons/yr)
	Coal:	33,939		215	24,059	219
	Fuel Oil:	27,856		179	19,746	115
	Natural Gas:	18,730		0	13,278	0
		E. CONTACT INFO	RMATION			
	Landfill C		MMATTO:	·	Landfill Operator	
Contact Name:	34.0				Danielli Optimio	
Contact Ivalue.		•	Gary F	ine		
Mailing Address:			į			
			i			
Phone Number:			317-85	3-5714		
For Number			,	/		
Fax Number:						
* Itallicized indicates values estimat	ted by EPA.	Dec	cember 5, 1998		State: IN Pag	e: 24
.			,			

		Ransbottom LF		Landfill Cate	gory: Candidate
	A. G	ENERAL LANDFILL IN	FURMATION		
Landfill Owner:	Ransbottom	Ann	ual Acceptance Rate (to	ons):	42,530
Landfill Owner Type:		Yea	r Annual Acceptance Ra	ate Reported:	1993
Alternative Landfill Name:		Des	gn Capacity (tons):		
City:	Claypool	Acre	es Currently Landfilled	(acres):	
County:	Kosciusko	Ave	rage Depth (feet):		
State:	IN	Was	te-in-Place (tons):		978,190
Year Open:	1974	1996	8 Waste-in-Place (tons).		1,063,250
Year Closed:	2019				
	I	B. LANDFILL GAS COLI	ECTION		
Estimated Methane General	tion (mmscf/d):		0.69		
LFG Collection System Stat	tus:				
Current LFG Collected (mm	nscf/d):				
Collection and Treatment Sy	ystem Required Under NSF	S/EG:	No		
		C. LANDFILL GAS UTIL	IZATION		
Current Utilization:					
Utilization System Stat	tus: Unknown				
Utilization System Typ					
Utilization System Star					
Electric Utility Provide					
Natural Gas Provider(s			,		
Energy Purchaser(s):	•				
Capacity:	Electrici	y Generation Project (MW)	OR	Direct Use Project (mm	Btu/hr)
Estimated Potential Ca	pacity:		2		22
Current Capacity:				•	
Planned Capacity:					
I Itilities in County	Etno Croon I	Cleatric Light Dont: Eulton (County Dural E M C. In	diana Miahigan Dawar G	'a. Vassinalia
Utilities in County:		Electric Light Dept; Fulton (mana wiicingan Power C	Kosciusko
	D. ENVIR	OMENTAL BENEFITS	OF UTILIZATION		
		Potent	ial	. Curre	nt
Methane Reduction (tons/yr):		3,989		0
CO2 Equivalent of CH4 Red	duction (tons/yr):		83,769		0
Emissions Avoided by Fossi	UE 10: 1	F1		D: . 11 D	
	l Fuel Displacement:	Electricity General	i	Direct Use P	-
	l Fuel Displacement:	Electricity General CO2 (tons/yr)	ion Project SO2 (tons/yr)	Direct Use P CO2 (tons/yr)	roject SO2 (tons/yr)
	l Fuel Displacement: Coal:	•	i		-
	<u>-</u>	CO2 (tons/yr) 17,364	SO2 (tons/yr)	CO2 (tons/yr) 12,012	SO2 (tons/yr)
	Coal: Fuel Oil:	CO2 (tons/yr) 17,364 14,252	SO2 (tons/yr) 110 92	CO2 (tons/yr) 12,012 9,859	SO2 (tons/yr) 109 58
	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583	SO2 (tons/yr) 110 92 0	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109
	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58
	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58
	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58
Contact Name:	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0 ATION	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58
Contact Name:	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0 ATION	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58
Contact Name: Mailing Address:	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0 ATION Dan Ransbottom	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58
Contact Name: Mailing Address:	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0 ATION	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58
Contact Name:	Coal: Fuel Oil: Natural Gas:	CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0 ATION Dan Ransbottom	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58
Contact Name: Mailing Address: Phone Number: Fax Number:	Coal: Fuel Oil: Natural Gas: Landfill (CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0 ATION Dan Ransbottom 219-839-0300	CO2 (tons/yr) 12,012 9,859 6,629 Landfill Operator	SO2 (tons/yr) 109 58 0
Contact Name: Mailing Address: Phone Number:	Coal: Fuel Oil: Natural Gas: Landfill (CO2 (tons/yr) 17,364 14,252 9,583 E. CONTACT INFORM	SO2 (tons/yr) 110 92 0 ATION Dan Ransbottom	CO2 (tons/yr) 12,012 9,859 6,629	SO2 (tons/yr) 109 58

		Rumpke (Union		Landfill Category.	Candidate
	A. G	ENERAL LANDFILL I	NFORMATION		
Landfill Owner:		A	nnual Acceptance Rate (1	tons):	8,287
Landfill Owner Type:	Private	Y	ear Annual Acceptance F	Rate Reported:	1993
Alternative Landfill Name:	Uniontown County LF	D	esign Capacity (tons):		
City:	Crothersville	A	cres Currently Landfilled	l (acres):	
County:	Jackson	A	verage Depth (feet):		
State:	IN	V	/aste-in-Place (tons):		1,639,263
Year Open:	1975	1:	998 Waste-in-Place (tons):	1,639,263
Year Closed:	1993				
	I	3. LANDFILL GAS CO	LLECTION		
Estimated Methane Generation	n (mmscf/d):		0.84		
LFG Collection System Status	3:				
Current LFG Collected (mmse	ef/d):				
Collection and Treatment Sys	tem Required Under NSF	PS/EG:	No		
		C. LANDFILL GAS UT	ILIZATION		
Current Utilization:					
Utilization System Status	: Potential				
Utilization System Type:					
Utilization System Start					
Electric Utility Provider(
Natural Gas Provider(s):				·	
Energy Purchaser(s):					
Capacity:	Electrical	ty Generation Project (M'	W) OR	Direct Use Project (mmBtu/h	r)
Estimated Potential Capa	acity:		3		26
Current Capacity:					
Planned Capacity:					
Utilities in County:	Bartholomey	v County Rural E M C; Ja	ackson County Rural E M	I C; PSI Energy Inc; South Cer	ntral Indi
	D. ENVIR	OMENTAL BENEFIT	S OF UTILIZATION		
		Pot	ential	Current	
Methane Reduction (tons/yr):		101	4,841	Current	0
CO2 Equivalent of CH4 Redu	ction (tonstyr):		101,657		0
CO2 Equivalent of C114 Read	cuon (tons/y/).		101,037		
Emissions Avoided by Fossil I	Fuel Displacement:	Electricity Gene	ration Project	Direct Use Projec	rt
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) Se	02 (tons/yr)
	Coal:	20,521	130	14,577	133
	Fuel Oil:	16,843	108	11,964	70
	Natural Gas:		. 0	8,045	0
	rvaturat Gas:	11,325	ļ	0,043	U
	Landfill (E. CONTACT INFOR	RMATION	Landfill Operator	
Contact Name: Thom	as Rumpke		William Rumpke,	President	
Mailing Address:			10795 Hughes Ro	ad	! i
			· · · · · · · · · · · · · · · · · · ·		
Phone Number:					!
Fax Number:					
· ·			1 5 1000		
* Itallicized indicates values e.	stimated by EPA.	Dec	ember 5, 1998	State: IN Page	: 26

			Rumpke-Mede			Landfill Categ	ory: Candidate
		A. G	ENERAL LANDFILL	INFORMAT	ION		
Landfill Owner:	Rumpk	e Waste Inc.		Annual Accep	tance Rate	(tons):	133,318
Landfill Owner Type:	Private			Year Annual A	Acceptance	Rate Reported:	1996
Alternative Landfill Na	ame:			Design Capaci	ity (tons):		
City:				Acres Current	ly Landfille	ed (acres):	i
County:	Jackson	n		Average Deptl	h (feet):		
State:	IN		•	Waste-in-Place	e (tons):		2,932,996
Year Open:	1975			1998 Waste-in	-Place (ton	s):	4,322,496
Year Closed:	2009						
	<u> </u>	1	3. LANDFILL GAS CO	DLLECTION			
Estimated Methane Ge	neration (mmsc	f/d):		1.52			i
LFG Collection System	n Status:						
Current LFG Collected	l (mmscf/d):						
Collection and Treatme	ent System Requ	uired Under NSP	PS/EG:	No			
		(C. LANDFILL GAS U	FILIZATION	Ĭ.		
Current Utilization:							
Utilization System	n Status:	Potential					
Utilization System		Unknown					
Utilization Systen	n Start Year:						
Electric Utility Pr	ovider(s):						
Natural Gas Provi	der(s):						
Energy Purchaser	(s):						
Capacity:		Electricio	ty Generation Project (M	1W) (OR	Direct Use Project (mmB	tu/hr)
Estimated Potenti	al Canacity			5	T		48
Current Capacity:				3			40
Planned Capacity							
———————————	•						
Utilities in County:		Bartholomev	v County Rural E M C;	Jackson Count	ty Rural E N	M C; PSI Energy Inc; South	Central Indi
		D. ENVIR	OMENTAL BENEFI	IS OF UTILI	ZATION		
			Po	tential		Curren	t
Methane Reduction (to	ns/yr):)			8,809		0
CO2 Equivalent of CH	4 Reduction (to	ns/yr):			184,983		0
Emissions Avoided by	rossil Fuel Disp	olacement:	Electricity Gen	•		Direct Use Pr	•
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	37,885		240	26,526	241
		Fuel Oil:	31,095		200	21,772	127
•	· N	atural Gas:	20,908		0	14,640	0
			E. CONTACT INFO	RMATION			
		Landfill (Landfill Operator	
Contact Name:	Thomas Rump	ke		Bruce	Wilcox		
	•			İ		10 . 1	
Mailing Address:	10795 Hughes	Road Route 1		10795	Hughes R	oad Route 1	
Phone Number:	£12 0£1 0100			F12.0	51 0122		•
	513-851-0122			513-8	51-0122		
Fax Number:				ŀ			
* Itallicized indicates v	alues estimated	by EPA.	De	cember 5, 199	98	State: IN	Page: 27

			Rumpke-Mila			Landfill Catego	ory: Candidate
		A. G	ENERAL LANDFILL	INFORMAT	ION		
Landfill Owner:				Annual Accep	tance Rate	(tons):	69,931
Landfill Owner Type:	Private		•	Year Annual A	Acceptance	Rate Reported:	1996
Alternative Landfill N	ame:		1	Design Capaci	ty (tons):		
City:				Acres Current		d (acres):	
County:	Ripley			Average Deptl			
State:	IN			Waste-in-Plac	, ,		1,538,482
Year Open:	1975		-	1998 Waste-in	-Place (ton.	s):	11,361
Year Closed:	1995	_					
			B. LANDFILL GAS CO	DLLECTION			
Estimated Methane Ge	eneration (mmscj	%d):		0			
LFG Collection System	m Status:						
Current LFG Collected							
Collection and Treatm	ent System Requ	ired Under NSI	PS/EG:	No			
			C. LANDFILL GAS U	FILIZATION	I		
Current Utilization:							
Utilization Syster	n Status:	Potential					
Utilization Syster	n Type:	Unknown					
Utilization Syster	n Start Year:						
Electric Utility Pr	rovider(s):						
Natural Gas Prov	ider(s):						
Energy Purchaser	r(s):						
Capacity:		Electrici	ty Generation Project (M	1W) (OR	Direct Use Project (mmBt	u/hr)
Estimated Potent	ial Capacity:			0			0
Current Capacity:				•			
Planned Capacity							
Utilities in County:		Decatur Cou	inty Rural E M C; PSI E	nergy Inc; Sou	theastern I	ndiana R E M C	
•			ROMENTAL BENEFI				
			Po	tential		Current	
Methane Reduction (to	ons/vr):				23		0
CO2 Equivalent of CH		ıs/vr):			487		. 0
T. 1911 The condition							
Emissions Avoided by	Fossil Fuel Disp	lacement:	Electricity Gen	=		Direct Use Pro	-
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	0		0	70	1
		Fuel Oil:	0		0	57	0
	••						
	<i>N</i>	atural Gas:	0		0	39	0
			E. CONTACT INFO	RMATION			
		Landfill	Owner			Landfill Operator	
Contact Name:	Thomas Rumpl	ke		Paul J	ohnson		
Mailing Address:							
Muitos.	I						
Ohana Niumba				1	# . .		
Phone Number:				812-6	54-2015		
Fax Number:	!						
* Itallicized indicates v	values estimated	by EPA.	De	cember 5, 199	8	State: IN Page 1	age: 28
Ł	ion 1.0 / LMOP						
(の基本型K CILII/ ACI2	LOI LO / LIVIOI						

		South Side L		Landfill Catego	ory: Current
	A. GE	NERAL LANDFILL I	NFORMATION		
Landfill Owner:		Α	nnual Acceptance Rate (tons):	407,410
Landfill Owner Type:		Y	ear Annual Acceptance I	Rate Reported:	1993
Alternative Landfill Name:		D	esign Capacity (tons):		
City:	Indianapolis	Α	cres Currently Landfilled	i (acres):	
County:	Marion		verage Depth (feet):		
State:	IN	W	/aste-in-Place (tons):		8,963,020
Year Open:	1975	19	998 Waste-in-Place (tons	r):	9,777,840
Year Closed:	2002	······································		······································	······································
	В.	LANDFILL GAS CO	LLECTION		<u> </u>
Estimated Methane Generatio	n (mmscf/d):		2.92		
LFG Collection System Status	3:	Оре	erational		
Current LFG Collected (mmsc	cf/d):		0.3		
Collection and Treatment Syst	tem Required Under NSPS	S/EG:	No		
	C	. LANDFILL GAS UT	ILIZATION		
Current Utilization:					
Utilization System Status	: Operational				
Utilization System Type:	-				
Utilization System Start	Year: 1989				
Electric Utility Provider(s):				
Natural Gas Provider(s):					
Energy Purchaser(s):					
Capacity:	Electricity	Generation Project (M	W) OR	Direct Use Project (mmB	tu/hr)
					91
Estimated Potential Capa	acity:		9		
Current Capacity:					6
Planned Capacity:					
Utilities in County:	Daviess Marti	n County R E M C; Indi	anapolis Power & Light	Co; Jackson County Rural	E M C; Ora
	D. ENVIR	OMENTAL BENEFIT	S OF UTILIZATION		
		Pote	ential	Current	
Methane Reduction (tons/yr):			16,876		1,156
CO2 Equivalent of CH4 Redu	ction (tons/vr):		354,396		24,282
Emissions Avoided by Fossil I	Fuel Displacement:	Electricity Gene	ration Project	Direct Use Pro	oject
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	71,824	454	50,820	462
	E 1 O.7.		270	41,711	242
	Fuel Oil:	58,950	379		243
	Natural Gas:	39,639	. 0	28,047	0
		E. CONTACT INFOR	MATION		
	Landfill O	wner		Landfill Operator	
Contact Name: John E	Balkema		Scott Fitzgerald		
Mailing Address:					
Training / Address.			1		
Phone Number:					
r none inumber.			317-247-6808		
Fax Number:					
ф I, II' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		-	1 5 1000	C4 337 ***	
* Itallicized indicates values e.	sumatea by EPA.	Dec	ember 5, 1998	State: IN P	Page: 29

		Spencer Cou		Landfill Ca	tegory: Candidate
	A. G	ENERAL LANDFILL I		_	
Landfill Owner:			Annual Acceptance Rate	•	265,927
Landfill Owner Type:	Public		ear Annual Acceptance	Rate Reported:	1
Alternative Landfill Name:	Huntingham		Design Capacity (tons):	d ()	
City:	Huntingburg		Acres Currently Landfille	a (acres):	
County: State:	Spencer IN		Average Depth (feet):		2 101 122
Year Open:	IN 1983		Vaste-in-Place (tons): 998 Waste-in-Place (ton	c).	3,191,122 3,191,122
Year Closed:	1994	1	996 wasie-in-Place (ion	s):	3,191,122
. our Crosed.		3. LANDFILL GAS CO	LLECTION		
Estimated Mark Control					
Estimated Methane Generation LFG Collection System Statu	·		1.23		
Current LFG Collected (mms					ļ
Collection and Treatment Sys		PS/FG:	No		
Concentration and Treatment Sys	=	S/EG. C. LANDFILL GAS UT			
Current Htilization					
Current Utilization:	s: Unknown				
Utilization System Statu Utilization System Type					
Utilization System Type Utilization System Start					,
Electric Utility Provider					
Natural Gas Provider(s):					
Energy Purchaser(s):					1
mic. By a diction (3).					
Capacity:	Electrici	ty Generation Project (M	W) OR	Direct Use Project (m	mBtu/hr)
Estimated Potential Cap	acity:		4		39
Current Capacity:					
Planned Capacity:			 		
Utilities in County:	Southern Ind	liana Gas & Elec Co; Sou	othern Indiana R E C Inc		
CONTRACT RESIDENCE	D. ENVIR	ROMENTAL BENEFIT	S OF UTILIZATION		
		Pot	ential	Curi	rent
Methane Reduction (tons/yr):			7,136		0
CO2 Equivalent of CH4 Redu	ection (tons/yr):		149,848		0
				_	
Emissions Avoided by Fossil	Fuel Displacement:	Electricity Gene	· · · · · · · · · · · · · · · · · · ·	Direct Use	-
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	30,782	195	21,488	196
	Fuel Oil:	25,264	163	17,636	103
	Natural Gas:	16,988	0	11,859	0
		E. CONTACT INFOR	RMATION	1	
	Landfill (Jwner		Landfill Operator	
Contact Name:			Charles Brown		
Mailing Address:			P.O. Box 157		;
			:		·
Phone Number:			1		
1					
Fax Number:			:		
* Itallicized indicates values e	stimated by EPA.	Dec	ember 5, 1998	State: IN	Page: 30
STAR Version 1.0					

		Terre Haute	Landfill Category: Candidate
	A. G	ENERAL LANDFILL INFORMATION	Į .
Landfill Owner:	Continental Waste	Annual Acceptance	ee Rate (tons):
Landfill Owner Type:	Private	Year Annual Acce	eptance Rate Reported: 1998
Alternative Landfill Name:		Design Capacity (1	tons):
City:		Acres Currently La	andfilled (acres):
County:		Average Depth (fe	eet):
State:	IN	1998 Waste-in-Pla	ace (tons):
Year Open:		1998 Waste-in-Pla	ace (tons):
Year Closed:			
	, <u>,</u> ,	. LANDFILL GAS COLLECTION	
Estimated Methane Generation	n (mmscf/d):		
LFG Collection System Status	:		
Current LFG Collected (mmsc	:f/d):		
Collection and Treatment Syst	em Required Under NSP	S/EG: No	
	(E. LANDFILL GAS UTILIZATION	
Current Utilization:			,
Utilization System Status	: Potential		
Utilization System Type:	Unknown		
Utilization System Start	Year:		
Electric Utility Provider(s			
Natural Gas Provider(s):	•		
Energy Purchaser(s):			
Capacity:	Electricit	y Generation Project (MW) OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capa	acity:		
Current Capacity:			
Planned Capacity:			
Utilities in County:			
	D. ENVIR	OMENTAL BENEFITS OF UTILIZA	TION
		Potential	Current
Methane Reduction (tons/yr):		Tolenhai	Current
CO2 Equivalent of CH4 Reduc	ction (tonstyr):		
	cuon (voissi yr).		
Emissions Avoided by Fossil F	Tuel Displacement:	Electricity Generation Project	Direct Use Project
		CO2 (tons/yr) SO2 (tons/yr	r) CO2 (tons/yr) SO2 (tons/yr)
	Coal:		
	Fuel Oil:		
	Natural Gas:		
		E. CONTACT INFORMATION	
*	Landfill (Owner	Landfill Operator
Contact Name:	•		
Mailing Address:			
Phone Number:			
1			
Fax Number:			

* Itallicized indicates values estimated by EPA.

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		Twin Bridges		Landfill Car	tegory: Curren
	A. G	ENERAL LANDFILL	INFORMATION		
Landfill Owner:		Ą	Annual Acceptance Rat	e (tons):	1,001,570
Landfill Owner Type:		Y	Year Annual Acceptanc	ce Rate Reported:	1993
Alternative Landfill Name:	Danville LF; Danville l	RDF D	Design Capacity (tons):		
City:	Danville	A	Acres Currently Landfil	lled (acres):	120
County:	Hendricks	Α	Average Depth (feet):		87
State:	IN	1	1994 Waste-in-Place (t	ons):	5,336,140
Year Open:	1976	1	1998 Waste-in-Place (to	ons):	9,342,420
Year Closed:	2000				
		B. LANDFILL GAS CO	LLECTION		
Estimated Methane Generati	*		2.81		
LFG Collection System Statu		Ope	erational		
Current LFG Collected (mms			1.0		
Collection and Treatment Sy			No		<u></u>
		C. LANDFILL GAS UI	ILIZATION	3	~ 2
Utilization System Type Utilization System Start Electric Utility Provider Natural Gas Provider(s) Energy Purchaser(s):	Year: 1994 (s):	ng Engine			
Capacity:	Electric	ity Generation Project (M	(W) OR	Direct Use Project (mn	nBtu/hr)
Estimated Potential Cap	pacity:		9		88
Current Capacity: Planned Capacity:			3.2		21
Utilities in County:			_	wer Dept; Hendricks Count	y Rural E M C
	D. ENVI	ROMENTAL BENEFIT	'S OF UTILIZATION		
			tantial	Curr	
		Pot			
. Methane Reduction (tons/yr).		Pot	16,232		3,854
Methane Reduction (tons/yr). CO2 Equivalent of CH4 Redu		Pot		Gu.	
CO2 Equivalent of CH4 Redi	uction (tons/yr):		16,232 340,874		3,854 80,942
CO2 Equivalent of CH4 Redi	uction (tons/yr):	Electricity Gene	16,232 340,874 eration Project	Direct Use	3,854 80,942 Project
CO2 Equivalent of CH4 Redi	uction (tons/yr): Fuel Displacement:	Electricity Gene	16,232 340,874 eration Project SO2 (tons/yr)	Direct Use CO2 (tons/yr)	3,854 80,942 Project SO2 (tons/yr)
•	uction (tons/yr):	Electricity Gene	16,232 340,874 eration Project	Direct Use	3,854 80,942 Project
CO2 Equivalent of CH4 Redi	uction (tons/yr): Fuel Displacement:	Electricity Gene	16,232 340,874 eration Project SO2 (tons/yr)	Direct Use CO2 (tons/yr)	3,854 80,942 Project SO2 (tons/yr)
CO2 Equivalent of CH4 Redi	uction (tons/yr): Fuel Displacement: Coal:	Electricity Gene CO2 (tons/yr) 69,456	16,232 340,874 eration Project SO2 (tons/yr) 439	Direct Use CO2 (tons/yr) 48,881	3,854 80,942 Project SO2 (tons/yr) 445
CO2 Equivalent of CH4 Redu Emissions Avoided by Fossil	uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gene CO2 (tons/yr) 69,456 57,007 38,332	16,232 340,874 eration Project SO2 (tons/yr) 439 367	Direct Use CO2 (tons/yr) 48,881 40,119	3,854 80,942 Project SO2 (tons/yr) 445 234
CO2 Equivalent of CH4 Redi	ruction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gene CO2 (tons/yr) 69,456 57,007 38,332 E. CONTACT INFOR	16,232 340,874 eration Project SO2 (tons/yr) 439 367	Direct Use CO2 (tons/yr) 48,881 40,119 26,977	3,854 80,942 Project SO2 (tons/yr) 445 234
CO2 Equivalent of CH4 Redu	uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gene CO2 (tons/yr) 69,456 57,007 38,332 E. CONTACT INFOR	16,232 340,874 eration Project SO2 (tons/yr) 439 367 0	Direct Use CO2 (tons/yr) 48,881 40,119	3,854 80,942 Project SO2 (tons/yr) 445 234
CO2 Equivalent of CH4 Redu Emissions Avoided by Fossil Contact Name:	ruction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gene CO2 (tons/yr) 69,456 57,007 38,332 E. CONTACT INFOR	16,232 340,874 eration Project SO2 (tons/yr) 439 367	Direct Use CO2 (tons/yr) 48,881 40,119 26,977	3,854 80,942 Project SO2 (tons/yr) 445 234
CO2 Equivalent of CH4 Redu	ruction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gene CO2 (tons/yr) 69,456 57,007 38,332 E. CONTACT INFOR	16,232 340,874 eration Project SO2 (tons/yr) 439 367 0	Direct Use CO2 (tons/yr) 48,881 40,119 26,977	3,854 80,942 Project SO2 (tons/yr) 445 234
CO2 Equivalent of CH4 Redu Emissions Avoided by Fossil Contact Name: Mailing Address:	ruction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gene CO2 (tons/yr) 69,456 57,007 38,332 E. CONTACT INFOR	16,232 340,874 eration Project SO2 (tons/yr) 439 367 0 RMATION Larry Wright	Direct Use CO2 (tons/yr) 48,881 40,119 26,977	3,854 80,942 Project SO2 (tons/yr) 445 234
CO2 Equivalent of CH4 Redu Emissions Avoided by Fossil Contact Name:	ruction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gene CO2 (tons/yr) 69,456 57,007 38,332 E. CONTACT INFOR	16,232 340,874 eration Project SO2 (tons/yr) 439 367 0	Direct Use CO2 (tons/yr) 48,881 40,119 26,977	3,854 80,942 Project SO2 (tons/yr) 445 234
CO2 Equivalent of CH4 Redu Emissions Avoided by Fossil Contact Name: Mailing Address: Phone Number:	ruction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landfill	Electricity Gene CO2 (tons/yr) 69,456 57,007 38,332 E. CONTACT INFOR	16,232 340,874 eration Project SO2 (tons/yr) 439 367 0 RMATION Larry Wright	Direct Use CO2 (tons/yr) 48,881 40,119 26,977	3,854 80,942 Project SO2 (tons/yr) 445 234

United Refuse LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION 263,901 Landfill Owner: Continental waste Industries Inc. Annual Acceptance Rate (tons): Private Year Annual Acceptance Rate Reported: 1996 Landfill Owner Type: Alternative Landfill Name: Design Capacity (tons): City: Fort Wayne Acres Currently Landfilled (acres): County: Allen Average Depth (feet): Waste-in-Place (tons): 7,125,327 State: IN Year Open: 1970 1998 Waste-in-Place (tons): 8,508,397 Year Closed: 2005 B. LANDFILL GAS COLLECTION 2.59 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:** Potential 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) 8 81 Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Indiana Michigan Power Co; Noble County Rural E M C; Northeastern Rural E M C; Paulding-Putna D. ENVIROMENTAL BENEFITS OF UTILIZATION Current Potential Methane Reduction (tons/yr): 14,999 0 0 CO2 Equivalent of CH4 Reduction (tons/yr): 314,975 Emissions Avoided by Fossil Fuel Displacement: **Electricity Generation Project** Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) 63,931 404 45,167 Coal: 411 Fuel Oil: 52,472 338 37,071 216 Natural Gas: 35,283 0 24,927 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Steve Sneider Steve Sneider Mailing Address: PO Box 9039 PO Box 9039 5000 Smith Road 5000 Smith Road Phone Number: 219-432-5582 219-432-5582 Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 33

			Wabash Vall	•		Lana	fill Category:	Candidate
		A. GENE	GENERAL LANDFILL INFORMATION				. 4	
Landfill Owner:	Wabash Valle	y Landfill Co L	ill Co Ltd Annual Acceptance Rate (tons):					204,035
Landfill Owner Type:	Public		Year Annual Acceptance Rate Reported:					1996
Alternative Landfill Name	:		Design Capacity (tons):					
City:				Acres Currently L		(acres):		
County:	Wabash			Average Depth (fe				
State:	IN		Waste-in-Place (tons):					4,488,770
Year Open:	1975			1998 Waste-in-Pl	ace (tons)	r		5,000,644
Year Closed:	1996							
***		B, LA	NDFILL GAS C	OLLECTION	ž.	\$ 4		
Estimated Methane Genera				1.70				
LFG Collection System Sta								
Current LFG Collected (m	· ·							
Collection and Treatment S	-		_	No				•
		C. LA	ANDFILL GAS U	TILIZATION		<i>, 6</i> /		
Current Utilization:								
Utilization System Sta		ential						
Utilization System Ty	=	known						
Utilization System Sta								
Electric Utility Providence								
Natural Gas Provider((s):							
Energy Purchaser(s):								
Capacity:		Electricity Ge	neration Project (N	MW) OR		Direct Use Proje	ect (mmBtu/h	r)
Estimated Potential C	Capacity:			5				53
Current Capacity:	1							
Planned Capacity:								
Utilities in County:	Ko	sciusko County	/ Rural E M C; Mi	ami Cass County	Rural E M	1 C: Northeaster	n Rural E M (C: PSI E
			ENTAL BENEFI					
			Po	otential			Current	
Methane Reduction (tons/y	r):			9	,812			0
CO2 Equivalent of CH4 Re				206	5,042		•	0
Emissions Avoided by Fossil Fuel Displacement:			Electricity Generation Project				ect Use Projec	
			CO2 (tons/yr)	SO2 (tons/y	r)	CO2 (tons/	(yr) SC	02 (tons/yr)
	C	Coal:	41,832	20	64	29,	546	269
	Fuel	Oil:	34,334	2:	21	24,	250	141
	Natural	Gas:	23,086		0	16,	306	0
. v		E. (CONTACT INFO	RMATION			A	
		Landfill Owne	r			Landfill Oper	ator	
Contact Name: John Hoffman			John Hoffman					
Mailing Address:			1152 Manchester Av			Ave		
Phone Number:				219-563-	-2539			
Fax Number:								
* Itallicized indicates value	s estimated by EPA	l.	De	ecember 5, 1998		State: II	N Page	: 34
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		Wheeler RDF	ODI CI OTOLI	Landfill Catego	ory: Curren
	A. GI	ENERAL LANDFILL INF	ORMATION	· . ·	
Landfill Owner:	Indiana Waste Systems		ual Acceptance Rate (12,711
Landfill Owner Type:	Private		Annual Acceptance F	Rate Reported:	1993
Alternative Landfill Name:	Wheeler LF		gn Capacity (tons): es Currently Landfilled	.,	
City:	Wheeler		(acres):		
County:	Porter		rage Depth (feet): te-in-Place (tons):		6 602 406
State: Year Open:	IN 1976		te-in-Place (tons): 8 Waste-in-Place (tons	١.	6,692,406 6,692,405
Year Closed:	1970	1990	wasie-in-riace (ions	<i>)</i> .	0,092,403
Tour Croses.		. LANDFILL GAS COLL	ECTION		
Estimated Methane Generation	on (mmscf/d):		2.13		
LFG Collection System Statu	•				
Current LFG Collected (mms					
Collection and Treatment Sys		S/EG:	No		
	•	C. LANDFILL GAS UTIL	IZATION		,
Current Utilization:					
Utilization System Statu	is: Operational				
Utilization System Type	•	g Engine			
Utilization System Start	Year:	- -			
Electric Utility Provider	r(s):				
Natural Gas Provider(s)	:				
Energy Purchaser(s):					
Capacity:	Electricit	y Generation Project (MW)	OR	Direct Use Project (mmBt	tu/hr)
Estimated Between Com					
esumalea Polentiai Cat	pacity:		7		67
Estimated Potential Cap Current Capacity:	pacity:		7		67
Current Capacity: Planned Capacity:	pacity:		7		67
Current Capacity: Planned Capacity:		Paris TM C. V. Julia V		and an Indiana Dala Come Co	
Current Capacity: Planned Capacity:	Jasper Count	y Rural E M C; Kankakee \	/alley Rural E M C; N	orthern Indiana Pub Serv C	
Current Capacity:	Jasper Count	OMENTAL BENEFITS (Valley Rural E M C; N		lo
Current Capacity: Planned Capacity: Utilities in County:	Jasper County D. ENVIR		Valley Rural E M C; N DF UTILIZATION ial	orthern Indiana Pub Serv C Current	do
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr):	Jasper County D. ENVIR	OMENTAL BENEFITS (Valley Rural E M C; N DF UTILIZATION ial 12,313		0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr):	Jasper County D. ENVIR	OMENTAL BENEFITS (Valley Rural E M C; N DF UTILIZATION ial		0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr). CO2 Equivalent of CH4 Reduction	Jasper County D. ENVIR : uction (tons/yr):	OMENTAL BENEFITS (Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579		do 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr). CO2 Equivalent of CH4 Reduction	Jasper County D. ENVIR : uction (tons/yr):	OMENTAL BENEFITS (Potent	Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579	Current	o 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr). CO2 Equivalent of CH4 Reduction	Jasper County D. ENVIR : uction (tons/yr):	OMENTAL BENEFITS (Potent Electricity General CO2 (tons/yr)	Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579 ion Project	Current Direct Use Pro CO2 (tons/yr)	0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr). CO2 Equivalent of CH4 Reduction	Jasper County D. ENVIR : uction (tons/yr): Fuel Displacement: Coal:	OMENTAL BENEFITS (Potent Electricity Generat CO2 (tons/yr) 52,882	Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334	Current Direct Use Pro CO2 (tons/yr) 37,080	oject SO2 (tons/yr)
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr). CO2 Equivalent of CH4 Reduction	Jasper County D. ENVIR : uction (tons/yr): Fuel Displacement: Coal: Fuel Oil:	Potent Electricity Generat CO2 (tons/yr) 52,882 43,403	Valley Rural E M C; N DE UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334 279	Direct Use Pro CO2 (tons/yr) 37,080 30,434	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity:	Jasper County D. ENVIR uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Potent Electricity Generat CO2 (tons/yr) 52,882 43,403 29,185	Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334 279 0	Current Direct Use Pro CO2 (tons/yr) 37,080	o 0 0 oject SO2 (tons/yr)
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr). CO2 Equivalent of CH4 Reduction	Jasper County D. ENVIR uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Potent Electricity Generat CO2 (tons/yr) 52,882 43,403 29,185 E. CONTACT INFORM	Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334 279 0	Direct Use Pro CO2 (tons/yr) 37,080 30,434 20,464	oject SO2 (tons/yr) 337
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr): CO2 Equivalent of CH4 Redu	Jasper County D. ENVIR uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Potent Electricity Generat CO2 (tons/yr) 52,882 43,403 29,185 E. CONTACT INFORM	Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334 279 0 ATION	Direct Use Pro CO2 (tons/yr) 37,080 30,434	oject SO2 (tons/yr) 337
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr): CO2 Equivalent of CH4 Redu	Jasper County D. ENVIR uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Potent Electricity Generat CO2 (tons/yr) 52,882 43,403 29,185 E. CONTACT INFORM	Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334 279 0	Direct Use Pro CO2 (tons/yr) 37,080 30,434 20,464	oject SO2 (tons/yr) 337
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr). CO2 Equivalent of CH4 Redu Emissions Avoided by Fossil	Jasper County D. ENVIR uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Potent Electricity Generat CO2 (tons/yr) 52,882 43,403 29,185 E. CONTACT INFORM	Valley Rural E M C; N DF UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334 279 0 ATION	Direct Use Pro CO2 (tons/yr) 37,080 30,434 20,464 Landfill Operator	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr): CO2 Equivalent of CH4 Redu Emissions Avoided by Fossil Contact Name: Mailing Address:	Jasper County D. ENVIR uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Potent Electricity Generat CO2 (tons/yr) 52,882 43,403 29,185 E. CONTACT INFORM	Valley Rural E M C; N DE UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334 279 0 ATION Bruce Sindewald	Direct Use Pro CO2 (tons/yr) 37,080 30,434 20,464 Landfill Operator	oject SO2 (tons/yr,
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons/yr). CO2 Equivalent of CH4 Reduction	Jasper County D. ENVIR uction (tons/yr): Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Potent Electricity Generat CO2 (tons/yr) 52,882 43,403 29,185 E. CONTACT INFORM	Valley Rural E M C; N DE UTILIZATION ial 12,313 258,579 ion Project SO2 (tons/yr) 334 279 0 ATION Bruce Sindewald	Direct Use Pro CO2 (tons/yr) 37,080 30,434 20,464 Landfill Operator	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

		Worthington			Landfill Categ	gory: Candidate		
	A. GE	NERAL LANDFILL	NFORMAT	ION				
Landfill Owner:	Rumpke Waste Inc		Annual Accep	tance Rate ((tons):	125,127		
Landfill Owner Type:	Private	Y	ear Annual A	Acceptance :	Rate Reported:	1996		
Alternative Landfill Name:		Γ	Design Capaci	ty (tons):				
City:			Acres Currentl	-	d (acres):			
County:	Greene		verage Depth					
State:	IN		Vaste-in-Place			1,876,905		
Year Open:	1982	1	998 Waste-in	-Place (ton:	s):	2,284,171		
Year Closed:	2003							
	В.	LANDFILL GAS CO	LLECTION					
Estimated Methane Generation	on (mmscf/d):		1.00					
LFG Collection System Status	s:							
Current LFG Collected (mmse	cf/d):							
Collection and Treatment Sys	tem Required Under NSPS	/EG:	No					
	C.	LANDFILL GAS UT	TLIZATION	l				
Current Utilization:								
Utilization System Status	s: Potential			0				
Utilization System Type:	: Unknown			•				
Utilization System Start	Year:							
Electric Utility Provider((s):							
Natural Gas Provider(s):		•						
Energy Purchaser(s):								
Consoitu	Electricity	Concretion Project (M	W) ()R	Direct Lice Project (mmE	Str. (her)		
Capacity:		Generation Project (M		JK	Direct Use Project (mmE			
Estimated Potential Capa	acity:		3			31		
Current Capacity:								
Planned Capacity:								
Utilities in County:	Knox County	Rural E M C; Linton M	luni Light De	pt; PSI Ener	rgy Inc; Sullivan County R	ural E M C; l		
-		MENTAL BENEFIT						
				27.1.1.0.1				
14-d D. J. d' (4(-)		Pot	ential	5 704	. Curren			
Methane Reduction (tons/yr):				5,794		0		
CO2 Equivalent of CH4 Redu	ction (tons/yr):			121,682		0		
Emissions Avoided by Fossil Fuel Displacement:		Electricity Generation Project			Direct Use Pi	Direct Use Project		
		CO2 (tons/yr) SO2 (tons/yr)				CO2 (tons/yr) SO2 (tons/yr)		
	Coal:	24,468	•	155	17,449	159		
	,							
	Fuel Oil:	20,082		129	14,322	84		
	Natural Gas:	13,503		0	9,630	0		
		E. CONTACT INFO	RMATION		1			
	Landfill O				Landfill Operator			
Contact Name: Thom	as Rumpke		Dond	Danton				
;	аз кишрке		_	Denton		;		
Mailing Address:			PO B	ox 27				
:								
Phone Number:			812-8	75-2545				
Fax Number:								
		····		· · ·		· · · · · · · · · · · · · · · · · · ·		
* Itallicized indicates values e	stimated by EPA.	Dec	ember 5, 199	8	State: IN	Page: 36		
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