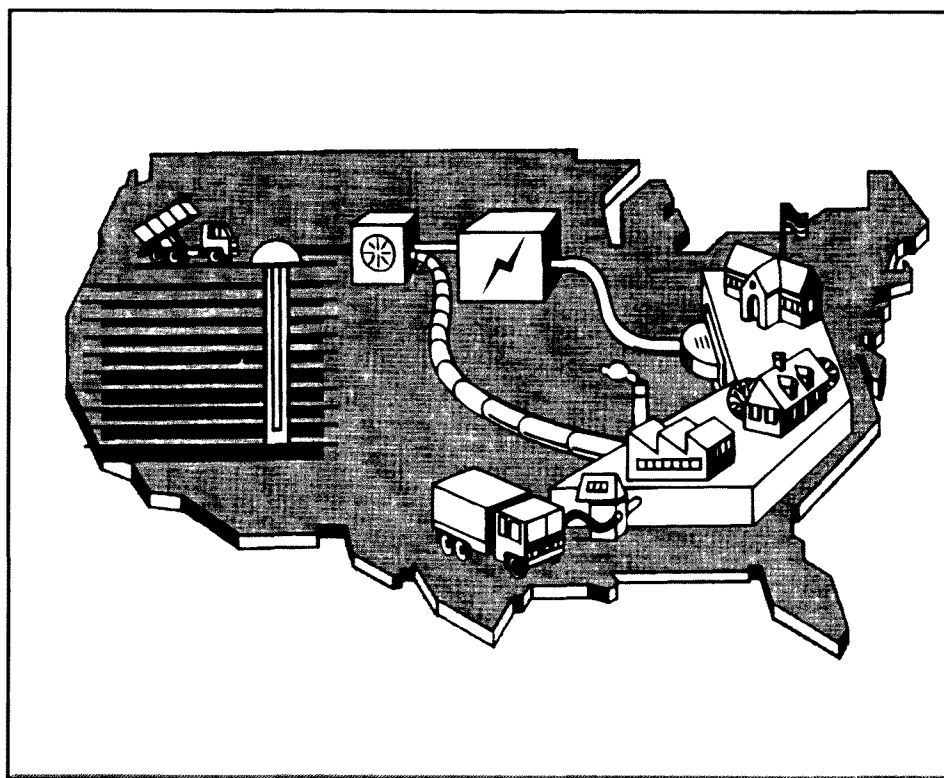




Landfill Gas-to-Energy Project Opportunities

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-to-energy 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,¹ 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-in-place.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-in-place.

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.

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

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.



Exhibit 1: Indiana MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		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					
	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 Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	BFI/Laubacher Meadows LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	County Line LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Laidlaw South LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	LaPorte County RDF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	National Serv-All LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Prairie View LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Randolph Farms LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	South Side LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Twin Bridges RDF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Wheeler RDF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Candidate	Bartholomew County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Blackfoot LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Caldwell LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Center Point LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Chambers/Liberty LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Clark-Floyd LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Coal Bluff LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Earthmovers LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Elkhart County - CR 7 LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Gary Sanitary LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Hancock County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Hayes LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Jay County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	New Paris Pike LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	North Wells LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Northside LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Oak Ridge RDF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Ransbottom LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Rumpke (Uniontown)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Rumpke-Medora LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Rumpke-Milan LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Spencer County	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Terre Haute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	United Refuse LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Wabash Valley LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Worthington LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Other	Adams County North LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Adams County South	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Blackford County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Exhibit 3: Index of Landfills in Indiana

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Other	Brown County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Camp Atterbury LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Crane NWSC LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Daviess County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Decatur County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Decatur Hills LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Dekalb County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Edwards LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Fountain County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Ft. Benjamin Harrison	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Gibson County LF No. 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Greendale LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Greentown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Griffith LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Huntington City LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	IAAP - Charlestown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Jasper LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Jennings County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Kanizer LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	LaGrange County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Lawrence County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Mason-Hayes LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	McCarty LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Montgomery LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Munster LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Newport AAP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Noble County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Owen County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pike County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	South Wells LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Speedway LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Spencer County Sanitary LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Spring Valley LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Sullivan County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	T.H. LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Tipton County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Vermillion County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Warren County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Warrick County LF #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Exhibit 3: Index of Landfills in Indiana

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

A. GENERAL LANDFILL INFORMATION

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	290,712
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:	Evansville	Acres Currently Landfilled (acres):	
County:	Vanderburgh	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	5,232,816
Year Open:	1979	1998 Waste-in-Place (tons):	6,038,640
Year Closed:	2017		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.96
LFG Collection System Status:	Planned
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	6	61
Current Capacity:		
Planned Capacity:		

Utilities in County: Southern Indiana Gas & Elec Co

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):		11,347		0
CO2 Equivalent of CH4 Reduction (tons/yr):		238,277		0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	48,146	304	34,169	311
Fuel Oil:	39,516	254	28,044	163
Natural Gas:	26,571	0	18,857	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Jeff Jenkins	Jeff Jenkins
Mailing Address:	2020 Laubscher Road	2020 Laubscher Road
Phone Number:	812-963-3295	812-963-3295
Fax Number:		

* Italicized indicates values estimated by EPA.

December 5, 1998

State: IN

Page:

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Bartholomew County	Annual Acceptance Rate (tons):	77,610
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:	Columbus	Acres Currently Landfilled (acres):	
County:	Bartholomew	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	1,785,030
Year Open:	1974	1998 Waste-in-Place (tons):	1,674,794
Year Closed:	1995		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 0.85

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):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	26
Current Capacity:		
Planned Capacity:		

Utilities in County: Bartholomew County Rural E M C; Decatur County Rural E M C; Jackson County Rural E M C; PSI

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	4,893		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	102,759		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	20,521	130	14,736	134
Fuel Oil:	16,843	108	12,094	71
Natural Gas:	11,325	0	8,132	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	James Murray	Gregory Littleton
Mailing Address:	720 S. Mapleton Street	1950 Tellman Rd
Phone Number:	812-372-1225	
Fax Number:		



A. GENERAL LANDFILL INFORMATION

Landfill Owner:	American Disposal Services, Incorporated	Annual Acceptance Rate (tons):	113,477
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:	Rose Disposal Services LF	Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Pike	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	1,021,293
Year Open:	1988	1998 Waste-in-Place (tons):	2,847,922
Year Closed:	2030		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.15
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)

Estimated Potential Capacity:	4	36
Current Capacity:		
Planned Capacity:		

Utilities in County: Knox County Rural E M C; PSI Energy Inc; Southern Indiana Gas & Elec Co

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	6,628		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	139,190		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	28,414	180	19,960	182
Fuel Oil:	23,321	150	16,382	96
Natural Gas:	15,681	0	11,016	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	Reggie Schitter	Reggie Schitter
Mailing Address:	3726 East State Road 64	3726 East State Road 64
Phone Number:	812-789-2647	812-789-2647
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Caldwell	Annual Acceptance Rate (tons):	110,804
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Shelby	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	2,437,688
Year Open:	1975	1998 Waste-in-Place (tons):	1,891,888
Year Closed:	1997		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 0.90

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)

Estimated Potential Capacity:	3	28
Current Capacity:		
Planned Capacity:		

Utilities in County: Johnson County Rural E M C; PSI Energy Inc; Shelby County Rural E M C

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	5,214		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	109,500		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	22,100	140	15,702	143
Fuel Oil:	18,139	117	12,888	75
Natural Gas:	12,197	0	8,666	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Dana Caldwell	Dana Caldwell
Mailing Address:		PO Box 212
Phone Number:		317-763-6258
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Mid-American Waste Systems	Annual Acceptance Rate (tons):	79,404
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Center Point	Acres Currently Landfilled (acres):	
County:	Clay	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	2,529,693
Year Open:	1975	1998 Waste-in-Place (tons):	2,529,694
Year Closed:	1994		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.07

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):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	33
Current Capacity:		
Planned Capacity:		

Utilities in County: Morgan County Rural E M C; Parke County Rural E M C; PSI Energy Inc; South Central Indiana REM

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	6,158		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	129,308		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	26,046	165	18,543	169
<i>Fuel Oil:</i>	21,378	138	15,219	89
<i>Natural Gas:</i>	14,375	0	10,233	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		1006 Walnut Street P.O. Box 156
Phone Number:		
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	USA Waste Services, Inc.	Annual Acceptance Rate (tons):	247,637
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:	Liberty LF	Design Capacity (tons):	
City:	Monticello	Acres Currently Landfilled (acres):	
County:	White	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	3,714,555
Year Open:	1982	1998 Waste-in-Place (tons):	10,291,953
Year Closed:	2015		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 3.05

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: Planned

Utilization System Type: Leachate Evaporation

Utilization System Start Year:

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	10	95
Current Capacity:		
Planned Capacity:		

Utilities in County: Brookston Muni Utilities; Carroll County Rural E M C; Chalmers Muni Electric Dept; Jasper County

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	17,636		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	370,362		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	74,981	474	53,109	483
Fuel Oil:	61,541	396	43,590	254
Natural Gas:	41,381	0	29,310	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Tim Haaf	Tim Haaf
Mailing Address:	8635 East State route 16	8635 East State route 16
Phone Number:	219-278-7139	219-278-7139
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Clark-Floyd	Annual Acceptance Rate (tons):	168,081
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:	Clarksville	Acres Currently Landfilled (acres):	
County:	Clark	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	4,033,944
Year Open:	1973	1998 Waste-in-Place (tons):	4,180,774
Year Closed:	2001		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.49
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)

Estimated Potential Capacity:	5	47
Current Capacity:		
Planned Capacity:		

Utilities in County: Clark County Rural E M C; Harrison County Rural E M C; Jackson County Rural E M C; PSI Energy

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	8,599		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	180,581		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	36,307	230	25,895	236
<i>Fuel Oil:</i>	29,799	192	21,254	124
<i>Natural Gas:</i>	20,037	0	14,291	0

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:	Paul Garrett	Phil Cato
Mailing Address:		PO Box 2128
Phone Number:		812-945-5976
Fax Number:		



Coal Bluff LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Laidlaw Waste Systems	Annual Acceptance Rate (tons):	143,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Terre Haute	Acres Currently Landfilled (acres):	
County:	Vigo	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	2,145,000
Year Open:	1975	1998 Waste-in-Place (tons):	2,145,000
Year Closed:	1989		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.97	
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)
Estimated Potential Capacity:	3		30
Current Capacity:			
Planned Capacity:			
Utilities in County: Parke County Rural E M C; PSI Energy Inc; Sullivan County Rural E M C; Utilities Dist of Western			
D. ENVIROMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,589		0
CO2 Equivalent of CH4 Reduction (tons/yr):	117,361		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>
<i>Coal:</i>	23,678	150	16,829
<i>Fuel Oil:</i>	19,434	125	13,813
<i>Natural Gas:</i>	13,068	0	9,288
			153
			81
			0
E. CONTACT INFORMATION			
	Landfill Owner		Landfill Operator
Contact Name:			Terry Niece
Mailing Address:			Coal Bluff Road
Phone Number:			312-439-6686
Fax Number:			

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Allied Waste Industries	Annual Acceptance Rate (tons):	70,191
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Argos	Acres Currently Landfilled (acres):	
County:	Fulton	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	982,674
Year Open:	1983	1998 Waste-in-Place (tons):	1,123,056
Year Closed:	2054		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	0.71
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:	Construction
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1999
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
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Estimated Potential Capacity:	2	22
Current Capacity:		
Planned Capacity:		

Utilities in County:	Fulton County Rural E M C; Kosciusko County Rural E M C; Marshall County Rural E M C; Norther
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D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential	Current		
Methane Reduction (tons/yr):	4,077	0		
CO2 Equivalent of CH4 Reduction (tons/yr):	85,625	0		
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	17,364	110	12,279	112
Fuel Oil:	14,252	92	10,078	59
Natural Gas:	9,583	0	6,776	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Gene Horn	Tony Schroeder
Mailing Address:		
Phone Number:		219-892-6483
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	USA Waste Services, Inc.	Annual Acceptance Rate (tons):	194,838
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:	Elkhart	Acres Currently Landfilled (acres):	
County:	Elkhart	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	4,091,598
Year Open:	1976	1998 Waste-in-Place (tons):	4,932,488
Year Closed:	2007		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.68

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):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	5	53
Current Capacity:		
Planned Capacity:		

Utilities in County: Fruit Belt Electric Coop; Indiana Michigan Power Co; La Grange County Rural E M C; Marshall Cou

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	9,711		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	203,927		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	41,042	259	29,243	266
Fuel Oil:	33,686	217	24,001	140
Natural Gas:	22,651	0	16,139	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Thomas Quinn, P.E.	Richard Barr
Mailing Address:	31725 N. Route 83	PO Box 966
Phone Number:	847-223-2722	219-875-5232
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Elkhart County	Annual Acceptance Rate (tons):	138,152
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:	Goshen	Acres Currently Landfilled (acres):	
County:	Elkhart	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	2,624,888
Year Open:	1978	1998 Waste-in-Place (tons):	2,794,512
Year Closed:	2014		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.13
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)

Estimated Potential Capacity:	4	35
Current Capacity:		
Planned Capacity:		

Utilities in County: Fruit Belt Electric Coop; Indiana Michigan Power Co; La Grange County Rural E M C; Marshall Cou

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):		6,549		0
CO2 Equivalent of CH4 Reduction (tons/yr):		137,531		0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	27,625	175	19,722	180
Fuel Oil:	22,673	146	16,187	94
Natural Gas:	15,246	0	10,884	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	Thomas Byers	Thomas Byers
Mailing Address:	4230 Elkhart Rd	4230 Elkhart Rd
Phone Number:	219-875-3337	219-875-3337
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Continental Waste	Annual Acceptance Rate (tons):	674,113
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Lake	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	17,526,938
Year Open:	1971	1998 Waste-in-Place (tons):	5,954,844
Year Closed:			

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.94

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: Planned

Utilization System Type: Reciprocating Engine

Utilization System Start Year:

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s): Nipsco

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	6	61
Current Capacity:		
Planned Capacity:		

Utilities in County: Kankakee Valley Rural E M C; Northern Indiana Pub Serv Co

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	11,223		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	235,675		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	48,146	304	33,795	308
<i>Fuel Oil:</i>	39,516	254	27,738	162
<i>Natural Gas:</i>	26,571	0	18,651	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:		Jerry Marks
Mailing Address:		1900 Burr Street
Phone Number:		219-944-1077
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Caldwells Gravel Company	Annual Acceptance Rate (tons):	42,579
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Hancock	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	1,107,054
Year Open:	1971	1998 Waste-in-Place (tons):	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):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/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 Energy 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 Project	
	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
Fax Number:		



A. GENERAL LANDFILL INFORMATION

Landfill Owner:		Annual Acceptance Rate (tons):	81,888
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Henry	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	1,801,536
Year Open:	1975	1998 Waste-in-Place (tons):	1,943,016
Year Closed:	2001		

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: Unknown

Utilization System Type: Unknown

Utilization System Start Year:

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	29
Current Capacity:		
Planned Capacity:		

Utilities in County: Dunreith Electric Dept; Henry County Rural E M C; Knightstown Electric Utility; Lewisville Muni L

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	5,290		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	111,088		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	22,889	145	15,930	145
<i>Fuel Oil:</i>	18,786	121	13,075	76
<i>Natural Gas:</i>	12,632	0	8,792	0

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:	Beverly Hayes	Randy Hayes
Mailing Address:		
Phone Number:		317-529-2337
Fax Number:		

A. GENERAL LANDFILL INFORMATION

Landfill Owner:	USA Waste Services, Inc.	Annual Acceptance Rate (tons):	80,487
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:	Portland	Acres Currently Landfilled (acres):	
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 COLLECTION

Estimated Methane Generation (mmscf/d):	1.99
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)

Estimated Potential Capacity:	6	62
Current Capacity:		
Planned Capacity:		

Utilities in County: Indiana Michigan Power Co; Jay County Rural E M C

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	11,533		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	242,187		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	48,935	309	34,729	316
Fuel Oil:	40,164	259	28,504	166
Natural Gas:	27,007	0	19,167	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	Tim Giardina	Tim Giardina
Mailing Address:	2323 East 850 North PO Box 403	2323 East 850 North PO Box 403
Phone Number:	219-638-4145	219-638-4145
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	WMI	Annual Acceptance Rate (tons):	566,470
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:	Deercroft LF	Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	La Porte	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	10,196,460
Year Open:	1979	1998 Waste-in-Place (tons):	12,254,994
Year Closed:	1996		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	3.55
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:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	11		
Current Capacity:			
Planned Capacity:			

Utilities in County: Kankakee Valley Rural E M C; Kingsford Heights Munic Utils; Northern Indiana Pub Serv Co

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	20,539		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	431,323		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	87,610	554	61,851	563
Fuel Oil:	71,906	463	50,765	296
Natural Gas:	48,351	0	34,135	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	Denny Johnson	Denny Johnson
Mailing Address:		PO Box 8988
Phone Number:		219-879-4653
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	268,363
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:	Southside LF; Yaw Hill	Design Capacity (tons):	
City:	Indianapolis	Acres Currently Landfilled (acres):	
County:	Marion	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	5,903,986
Year Open:	1975	1998 Waste-in-Place (tons):	6,378,072
Year Closed:	2006		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	2.05
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:	Operational
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	6	64
Current Capacity:		
Planned Capacity:		

Utilities in County: Parke County Rural E M C; PSI Energy Inc; Sullivan County Rural E M C; Utilities Dist of Western

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	11,849		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	248,819		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	50,514	319	35,680	325
Fuel Oil:	41,459	267	29,285	171
Natural Gas:	27,878	0	19,691	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	John Balkema	Scott Fitzgerald
Mailing Address:	2314 Miller Road	2561 Kentucky Ave
Phone Number:	616-388-3346	317-247-6808
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Republic Industries, Inc.	Annual Acceptance Rate (tons):	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 Landfilled (acres):	
County:	Allen	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	9,115,011
Year Open:	1970	1998 Waste-in-Place (tons):	13,130,475
Year Closed:	2012		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	3.78
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	5.4
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Direct Thermal
Utilization System Start Year:	
Electric Utility Provider(s):	Unknown
Natural Gas Provider(s):	Unknown
Energy Purchaser(s):	1. Brooks Asphalt (actual user)

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
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Estimated Potential Capacity:	12	118
Current Capacity:		113
Planned Capacity:		

Utilities in County:	Indiana Michigan Power Co; Noble County Rural E M C; Northeastern Rural E M C; Paulding-Putna
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D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	21,834		20,814	
CO2 Equivalent of CH4 Reduction (tons/yr):	458,512		437,090	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	93,135	589	65,750	598
Fuel Oil:	76,441	492	53,964	315
Natural Gas:	51,400	0	36,286	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Greg Wallbridge	Chuck Wallbridge
Mailing Address:	6231 MacBeth Road	6231 McBeth Rd
Phone Number:	219-747-4117	219-747-4117
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Richmond City	Annual Acceptance Rate (tons):	86,546
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:	New Paris (Richmond); Richmond LF	Design Capacity (tons):	
City:	Richmond	Acres Currently Landfilled (acres):	90
County:	Wayne	Average Depth (feet):	80
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, BI

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	28
Current Capacity:		
Planned Capacity:		

Utilities in County: Centerville Munic Light & Power Dept; Dublin Muni Elec Light System; Hagerstown Mun Light Dep

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	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/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	22,100	140	15,781	144
Fuel Oil:	18,139	117	12,953	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:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	North Wells	Annual Acceptance Rate (tons):	98,193
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Wells	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	1,331,427
Year Open:	1975	1998 Waste-in-Place (tons):	1,331,426
Year Closed:	1994		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 0.76

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):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	2	24
Current Capacity:		
Planned Capacity:		

Utilities in County: Bluffton Munic Light & Water Works; Indiana Michigan Power Co; Jay County Rural E M C; United

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	4,386		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	92,096		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,943	120	13,206	120
Fuel Oil:	15,547	100	10,839	63
Natural Gas:	10,454	0	7,289	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:		Bob Walls
Mailing Address:		P.O. Box 1264
Phone Number:		
Fax Number:		



A. GENERAL LANDFILL INFORMATION

Landfill Owner:		Annual Acceptance Rate (tons):	218,372
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1991
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Boone	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	3,712,324
Year Open:	1975	1998 Waste-in-Place (tons):	3,712,324
Year Closed:	1991		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.37

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)

Estimated Potential Capacity:	4	43
Current Capacity:		
Planned Capacity:		

Utilities in County: Advance Mun Light & Power Utility; Boone County Rural E M C; Jamestown Municipal Light Dept;

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	7,906		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	166,034		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	33,939	215	23,809	217
<i>Fuel Oil:</i>	27,856	179	19,541	114
<i>Natural Gas:</i>	18,730	0	13,140	0

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:	John Bankert
Mailing Address:	985 South U.S. 421
Phone Number:	
Fax Number:	

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Indiana Waste Systems	Annual Acceptance Rate (tons):	352,305
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:	Byers RDF	Design Capacity (tons):	
City:	Logansport	Acres Currently Landfilled (acres):	
County:	Cass	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	3,875,355
Year Open:	1986	1998 Waste-in-Place (tons):	5,068,284
Year Closed:	2012		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.71

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: Planned

Utilization System Type: Direct Thermal

Utilization System Start Year:

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	5	54
Current Capacity:		
Planned Capacity:		

Utilities in County: Carroll County Rural E M C; Fulton County Rural E M C; Logansport Muni Util; Miami Cass Count

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	9,912		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	208,144		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	42,621	269	29,847	272
Fuel Oil:	34,981	225	24,497	143
Natural Gas:	23,522	0	16,472	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Nelson. Becker	Nelson Becker
Mailing Address:	208 Fourth Street	208 Fourth Street
Phone Number:	219-722-3730	219-722-3730
Fax Number:		

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Prairie View LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Annual Acceptance Rate (tons):	435,249	
Landfill Owner Type:	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Prairie View Recycling and Disposal Facilit	Design Capacity (tons):	
City:	Prairie View	Acres Currently Landfilled (acres):	109
County:	St Joseph	Average Depth (feet):	75
State:	IN	1994 Waste-in-Place (tons):	5,425,098
Year Open:	1981	1998 Waste-in-Place (tons):	7,166,094
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	2.25		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.9		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1994		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	7		70
Current Capacity:	3.2		19
Planned Capacity:			
Utilities in County:	Fruit Belt Electric Coop; Indiana Michigan Power Co; Kankakee Valley Rural E M C; Marshall Coun		
D. ENVIROMENTAL BENEFITS OF UTILIZATION			
	Potential		Current
Methane Reduction (tons/yr):	13,014		3,469
CO2 Equivalent of CH4 Reduction (tons/yr):	273,290		72,849
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	55,249	349	39,189 357
Fuel Oil:	45,346	292	32,165 187
Natural Gas:	30,491	0	21,628 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		Charles Hartsell	
Mailing Address:			
Phone Number:		219-546-4475	
Fax Number:			

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Randolph Farms, Inc	Annual Acceptance Rate (tons):	157,015
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Modoc	Acres Currently Landfilled (acres):	
County:	Randolph	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	3,454,330
Year Open:	1975	1998 Waste-in-Place (tons):	3,768,360
Year Closed:	2013		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.38

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: Operational

Utilization System Type: Special -Greenhouse

Utilization System Start Year: 1997

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	4	43
Current Capacity:		
Planned Capacity:		

Utilities in County: Henry County Rural E M C; Indiana Michigan Power Co; Jay County Rural E M C; Wayne County R

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	7,989		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	167,775		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	33,939	215	24,059	219
Fuel Oil:	27,856	179	19,746	115
Natural Gas:	18,730	0	13,278	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:		Gary Fine
Mailing Address:		
Phone Number:		317-853-5714
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Ransbottom	Annual Acceptance Rate (tons):	42,530
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Claypool	Acres Currently Landfilled (acres):	
County:	Kosciusko	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	978,190
Year Open:	1974	1998 Waste-in-Place (tons):	1,063,250
Year Closed:	2019		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 0.69

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):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	2	22
Current Capacity:		
Planned Capacity:		

Utilities in County: Etna Green Electric Light Dept; Fulton County Rural E M C; Indiana Michigan Power Co; Kosciusko

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	3,989	0
CO2 Equivalent of CH4 Reduction (tons/yr):	83,769	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	17,364 110	12,012 109
Fuel Oil:	14,252 92	9,859 58
Natural Gas:	9,583 0	6,629 0

E. CONTACT INFORMATION

Landfill Owner	Landfill Operator
Contact Name:	Dan Ransbottom
Mailing Address:	
Phone Number:	219-839-0300
Fax Number:	

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:		Annual Acceptance Rate (tons):	8,287
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Uniontown County LF	Design Capacity (tons):	
City:	Crothersville	Acres Currently Landfilled (acres):	
County:	Jackson	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	1,639,263
Year Open:	1975	1998 Waste-in-Place (tons):	1,639,263
Year Closed:	1993		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	0.84
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)

Estimated Potential Capacity:	3	26
Current Capacity:		
Planned Capacity:		

Utilities in County: Bartholomew County Rural E M C; Jackson County Rural E M C; PSI Energy Inc; South Central Indi

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	4,841		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	101,657		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	20,521	130	14,577	133
Fuel Oil:	16,843	108	11,964	70
Natural Gas:	11,325	0	8,045	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	Thomas Rumpke	William Rumpke, President
Mailing Address:		10795 Hughes Road
Phone Number:		
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Rumpke Waste Inc.	Annual Acceptance Rate (tons):	133,318
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Jackson	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	2,932,996
Year Open:	1975	1998 Waste-in-Place (tons):	4,322,496
Year Closed:	2009		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.52
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)

Estimated Potential Capacity:	5	48
Current Capacity:		
Planned Capacity:		

Utilities in County: Bartholomew County Rural E M C; Jackson County Rural E M C; PSI Energy Inc; South Central Indi

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	8,809		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	184,983		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	37,885	240	26,526	241
Fuel Oil:	31,095	200	21,772	127
Natural Gas:	20,908	0	14,640	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	Thomas Rumpke	Bruce Wilcox
Mailing Address:	10795 Hughes Road Route 1	10795 Hughes Road Route 1
Phone Number:	513-851-0122	513-851-0122
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:		Annual Acceptance Rate (tons):	69,931
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Ripley	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	1,538,482
Year Open:	1975	1998 Waste-in-Place (tons):	11,361
Year Closed:	1995		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 0

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)

Estimated Potential Capacity:	0	0
Current Capacity:		
Planned Capacity:		

Utilities in County: Decatur County Rural E M C; PSI Energy Inc; Southeastern Indiana R E M C

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>		23		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		487		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	0	0	70	1
<i>Fuel Oil:</i>	0	0	57	0
<i>Natural Gas:</i>	0	0	39	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Thomas Rumpke	Paul Johnson
Mailing Address:		
Phone Number:		812-654-2015
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:		Annual Acceptance Rate (tons):	407,410
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Indianapolis	Acres Currently Landfilled (acres):	
County:	Marion	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	8,963,020
Year Open:	1975	1998 Waste-in-Place (tons):	9,777,840
Year Closed:	2002		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	2.92
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.3
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Medium Btu
Utilization System Start Year:	1989
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	9	91
Current Capacity:		6
Planned Capacity:		

Utilities in County: Daviess Martin County R E M C; Indianapolis Power & Light Co; Jackson County Rural E M C; Ora

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	16,876		1,156	
CO2 Equivalent of CH4 Reduction (tons/yr):	354,396		24,282	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	71,824	454	50,820	462
Fuel Oil:	58,950	379	41,711	243
Natural Gas:	39,639	0	28,047	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	John Balkema	Scott Fitzgerald
Mailing Address:		
Phone Number:		317-247-6808
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:		Annual Acceptance Rate (tons):	265,927
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Huntingburg	Acres Currently Landfilled (acres):	
County:	Spencer	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	3,191,122
Year Open:	1983	1998 Waste-in-Place (tons):	3,191,122
Year Closed:	1994		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.23

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):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	4	39
Current Capacity:		
Planned Capacity:		

Utilities in County: Southern Indiana Gas & Elec Co; Southern Indiana R E C Inc

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	7,136		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	149,848		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	30,782	195	21,488	196
Fuel Oil:	25,264	163	17,636	103
Natural Gas:	16,988	0	11,859	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:		Charles Brown
Mailing Address:		P.O. Box 157
Phone Number:		
Fax Number:		



A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Continental Waste	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	IN	1998 Waste-in-Place (tons):	
Year Open:		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: 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)

Estimated Potential Capacity:		
Current Capacity:		
Planned Capacity:		

Utilities in County:

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):		
CO2 Equivalent of CH4 Reduction (tons/yr):		
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:		
Fuel Oil:		
Natural Gas:		

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		



Twin Bridges RDF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Annual Acceptance Rate (tons):		1,001,570
Landfill Owner Type:	Year Annual Acceptance Rate Reported:		1993
Alternative Landfill Name:	Danville LF; Danville RDF	Design Capacity (tons):	
City:	Danville	Acres Currently Landfilled (acres):	120
County:	Hendricks	Average Depth (feet):	87
State:	IN	1994 Waste-in-Place (tons):	5,336,140
Year Open:	1976	1998 Waste-in-Place (tons):	9,342,420
Year Closed:	2000		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	2.81		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	1.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1994		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	9		88
Current Capacity:	3.2		21
Planned Capacity:			
Utilities in County: Boone County Rural E M C; Coatesville Munic Light & Power Dept; Hendricks County Rural E M C			
D. ENVIROMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	16,232		3,854
CO2 Equivalent of CH4 Reduction (tons/yr):	340,874		80,942
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>
<i>Coal:</i>	69,456	439	48,881
<i>Fuel Oil:</i>	57,007	367	40,119
<i>Natural Gas:</i>	38,332	0	26,977
			0
E. CONTACT INFORMATION			
	Landfill Owner		Landfill Operator
Contact Name:	Larry Wright		
Mailing Address:			
Phone Number:	317-745-2878		
Fax Number:			

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Continental waste Industries Inc.	Annual Acceptance Rate (tons):	263,901
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:	Fort Wayne	Acres Currently Landfilled (acres):	
County:	Allen	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	7,125,327
Year Open:	1970	1998 Waste-in-Place (tons):	8,508,397
Year Closed:	2005		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 2.59

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)

Estimated Potential Capacity:	8	81
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

	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	14,999		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	314,975		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
Coal:	63,931	404	45,167	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 5000 Smith Road	PO Box 9039 5000 Smith Road
Phone Number:	219-432-5582	219-432-5582
Fax Number:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Wabash Valley Landfill 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 Landfilled (acres):	
County:	Wabash	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	4,488,770
Year Open:	1975	1998 Waste-in-Place (tons):	5,000,644
Year Closed:	1996		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.70

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)

Estimated Potential Capacity:	5	53
Current Capacity:		
Planned Capacity:		

Utilities in County: Kosciusko County Rural E M C; Miami Cass County Rural E M C; Northeastern Rural E M C; PSI E

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):	9,812		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	206,042		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	41,832	264	29,546	269
Fuel Oil:	34,334	221	24,250	141
Natural Gas:	23,086	0	16,306	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	John Hoffman	John Hoffman
Mailing Address:	1152 Manchester Ave	
Phone Number:	219-563-2539	
Fax Number:		



Wheeler RDF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Indiana Waste Systems	Annual Acceptance Rate (tons):	12,711
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Wheeler LF	Design Capacity (tons):	
City:	Wheeler	Acres Currently Landfilled (acres):	
County:	Porter	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	6,692,406
Year Open:	1976	1998 Waste-in-Place (tons):	6,692,405
Year Closed:	1993		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		2.13	
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:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	7		67
Current Capacity:			
Planned Capacity:			
Utilities in County: Jasper County Rural E M C; Kankakee Valley Rural E M C; Northern Indiana Pub Serv Co			
D. ENVIROMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		Current
Methane Reduction (tons/yr):	12,313		0
CO2 Equivalent of CH4 Reduction (tons/yr):	258,579		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	52,882	334	37,080 337
Fuel Oil:	43,403	279	30,434 177
Natural Gas:	29,185	0	20,464 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Bruce Sindewald		
Mailing Address:	4655 West 137th Street		
Phone Number:			
Fax Number:			

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Rumpke Waste Inc	Annual Acceptance Rate (tons):	125,127
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1996
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Greene	Average Depth (feet):	
State:	IN	Waste-in-Place (tons):	1,876,905
Year Open:	1982	1998 Waste-in-Place (tons):	2,284,171
Year Closed:	2003		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 1.00

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)

Estimated Potential Capacity:	3	31
Current Capacity:		
Planned Capacity:		

Utilities in County: Knox County Rural E M C; Linton Muni Light Dept; PSI Energy Inc; Sullivan County Rural E M C; I

D. ENVIROMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	5,794		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	121,682		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	24,468	155	17,449	159
<i>Fuel Oil:</i>	20,082	129	14,322	84
<i>Natural Gas:</i>	13,503	0	9,630	0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Thomas Rumpke	Randy Denton
Mailing Address:		PO Box 27
Phone Number:		812-875-2545
Fax Number:		

