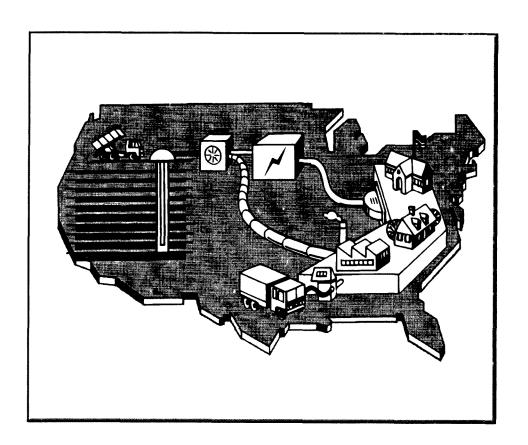


Landfill Gas-to-Energy Project Opportunities

Landfill Profiles for the State of North Carolina





EPA Landfill Methane Outreach Program



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

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

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

Introduction

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

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

Data Sources

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

Landfill Classification

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

Landfill Categorizes

Current Project:

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

Candidate Project:

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

Shutdown:

Landfill with shutdown LFGTE project.

Other:

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

Unknown WIP:

 Landfill with insufficient data to determine the waste-inplace.

State Summary

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

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



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

Exhibit 1: North Carolina MSW Landfill Summary

Category	No. of	Est. Capac	ity Potential	Est. CH4	Methane Re		CO2 Equivalent of CH4		
	Landfills	Electricity (MW)	Gas Capacity (mmBtu/hr)	Generation (mmscf/d)	(tons/	/yr)	Reduct (tons/		
					Potential	Current	Potential	Current	
Current	10	41	414	13	76,487	37,388	1,606,225	785,142	
Candidate	36	95	952	30	176,063	0	3,697,313	0	
Shutdown	1	0	1	0	102	o	2,146	0	
Other	74	51	504	16	93,186	. 0	1,956,912	0	
Unknown WIP	1								
Total	122	187	1,870	60	345,838	37,388	7,262,596	785,142	

Exhibit 2: Potential North Carolina 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	326,760	268,190	180,335	2,065	1,726	0	230,330	189,045	127,116	2,096	1,102	1	
Candidate	750,601	616,060	414,247	4,744	3,966	0	530,188	435,154	292,604	4,824	2,536	3	
Shutdown	789	648	436	5	4	0	308	253	170	3	2	0	
Other	398,585	327,139	219,974	2,520	2,106	0	280,619	230,320	154,870	2,554	1,342	1	
Unknown WIP						_							
Total	1,476,736	1,212,037	814,991	9,334	7,802	0	1,041,445	854,771	574,759	9,476	4,980	6	

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	Blackburn LF	V	U		V			Construction
Current	Buncombe County LF		V				~	Operational
Current	City of Greensboro LF			V	V		✓	Operational
Current	City of Winston-Salem LF			~	Y	V	~	Operational
Current	CMS Landfill V		~		Y			Construction
Current	Cumberland County LF		V		V		~	Operational
Current	Henderson County LF	V				V	✓	Operational
Current	Pitt County LF		~				✓	Operational
Current	Wake County Landfill-						V	Operational
Current	Wilder's Grove Landfill			~	✓	~	✓	Operational
Candidate	Alamance County LF	✓						Unknown
Candidate	Avery County LF	✓						Planned
Candidate	Brunswick County LF	<u> </u>			V			Unknown
Candidate	Cabarrus County LF	V			V			Unknown
Candidate	Caldwell County LF	V						Unknown
Candidate	City of Albemarle LF	<u> </u>			V			Unknown
Candidate	City of Durham LF			V				Unknown
Candidate	City of High Point LF	Y						Unknown
Candidate	Cleveland County LF	V			V			Unknown
Candidate	Columbus County, ARS	<u> </u>						Unknown
Candidate	Craven County LF	V			V			Unknown
Candidate	Edgecombe County LF	V	L		✓			Unknown
Candidate	Gaston County LF	V			✓			Unknown
Candidate	Harnett County LF	V			V			Unknown
Candidate	High Point-Guilford County		<u> </u>			V		Planned
Candidate	Iredell County LF	V			Y			Planned
Candidate	Johnston County LF	V						Potential
Candidate	Lee County LF	~			V			Unknown
Candidate	Lenoir County LF	✓			V			Unknown
Candidate	Mecklenburg County LF		V					Unknown
Candidate	Nash County LF	V						Unknown
Candidate	New Hanover County LF	V			V			Potential
Candidate	Newton LF	✓						Planned
Candidate	Orange Regional LF	V						Planned
Candidate	Piedmont SLF	V		 	V			Planned
Candidate	Randolph County LF	V						Unknown
Candidate	Robeson County LF				V			Unknown
Candidate	Rockingham County LF	V						Unknown
Candidate	Sampson County LF	<u> </u>						Unknown

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
Candidate	Surry County LF 1	V			V	L		Unknown
Candidate	Union County LF	V			✓			Potential
Candidate	US Marine Corps Camp Lejeune	V						Unknown
Candidate	Wake County LF 2	<u> </u>			✓			Unknown
Candidate	Wayne County LF		✓		Y			Unknown
Candidate	Wilson County LF		V					Unknown
Candidate	Yancey/Mitchell County LF	<u> </u>						Planned
Shutdown	Rowland LF	V				V		Shutdown -
Other	Alexander County	<u> </u>	L					Unknown
Other	Alleghany County LF	~			~			Unknown
Other	Anderson Creek LF Harnett County	~	Ш					Unknown
Other	Anson County LF	~						Unknown
Other	Ashe County	~			✓			Unknown
Other	Austin Quarter SWM Facility	~			✓			Unknown
Other	Beaufort County LF	V						Unknown
Other	Bertie County LF	V						Unknown
Other	Bladen County LF	~			Ш			Unknown
Other	Burke County LF	V		Ų	~			Unknown
Other	Canton LF-Haywood County	V			V			Unknown
Other	Carteret County LF	V						Unknown
Other	Caswell County LF	V						Unknown
Other	Chatham County LF	<u> </u>			~			Unknown
Other	Cherokee County	<u> </u>			~			Unknown
Other	Clay County LF	V						Unknown
Other	Cliffside South Rutherford County LF	<u> </u>						Unknown
Other	CRSWMA-Interim Regional LF	~			✓			Unknown
Other	Currituck County LF	~						Unknown
Other	Davidson County LF		~		~			Unknown
Other	Davie County LF	~			V			Unknown
Other	Duplin County LF	<u> </u>						Unknown
Other	East Carolina Regional LF	V			V			Unknown
Other	East Lake LF-Dare County	<u> </u>	Ш		Ш			Unknown
Other	Franklin County LF	<u> </u>						Unknown
Other	Graham County LF	~		U	<u> </u>			Unknown
Other	Granville County 2	V						Unknown
Other	Granville County LF 1	V						Unknown
Other	Greene County	<u> </u>			V			Unknown
Other	Halifax County LF	V			V			Unknown
Other	Haywood County LF	V						Unknown

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
Other	Haywood County White Oak LF	V						Unknown
Other	Hertford County LF	V						Unknown
Other	Highlands LF-Macon County	V						Unknown
Other	Hoke County LF	V	U					Unknown
Other	Iredell County SLF	V	Ш		V			Unknown
Other	Jackson County	V	Ц					Unknown
Other	Jones County LF	V	Ш		V			Unknown
Other	Lincoln County	V			V			Unknown
Other	Macon County LF	V			V			Unknown
Other	Macon County LF Franklin	V						Unknown
Other	Madison County LF 1	<u> </u>						Unknown
Other	Madison County LF 2	V			V			Unknown
Other	McDowell County LF	V						Unknown
Other	Montgomery County LF	V						Unknown
Other	Moore County LF	<u> </u>						Unknown
Other	Northampton County LF	<u> </u>			✓			Unknown
Other	Onslow County LF	V						Unknown
Other	Pamlico County LF	V						Unknown
Other	Pasquotank County LF	<u> </u>			V			Unknown
Other	Pender County LF	V						Unknown
Other	Perquimans Chowan Gates Regional L	V						Unknown
Other	Polk County LF	V			✓			Unknown
Other	Richmond County LF	V			✓			Unknown
Other	Roaring River LF-Wilkes County LF	V						Unknown
Other	Rowan County LF	V						Unknown
Other	Roxboro LF-Person County	V			Ш.			Unknown
Other	Rutherford County LF	V		U	✓			Unknown
Other	Scotland County LF	V			✓			Unknown
Other	Sorrells SLF	V						Unknown
Other	Stokes County LF	V			V	Ш		Unknown
Other	Surry County LF 2	V			~			Unknown
Other	Swain County LF	V						Unknown
Other	Thomasville LF-Davidson County	V			V			Unknown
Other	Transylvania County LF	V			V	L		Unknown
Other	Transylvania County SLF	V			V			Unknown
Other	US Army Fort Bragg	V			✓			Unknown
Other	Vance County LF	<u> </u>						Unknown
Other	Wake County LF 1	V			✓			Unknown
Other	Warren County LF	V						Unknown

Category	Landfill Name		WIP			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
Other	Washington County LF	~			V			Unknown
Other	Western Carolina University	<u> </u>						Unknown
Other	Wilkes County LF 1	V						Unknown
Other	Wilkes County LF 2	<u> </u>						Unknown
Unknown WIP	York Road Landfill							Unknown

NC - 6 December 05, 1998

X 382 35 A		Alamance Cou	-	Landfill Ca	
· · · · · · · · · · · · · · · · · · ·	A	GENERAL LANDFILL	INFORMATION:		
Landfill Owner:	Alamance County		Annual Acceptance Rate ((tons):	108,476
Landfill Owner Type:	Public	•	Year Annual Acceptance	Rate Reported:	1998
Alternative Landfill Name	: Swepsonville	I	Design Capacity (tons):		
City:	Burlington		Acres Currently Landfille	ed (acres):	
County:	Alamance		Average Depth (feet):		
State:	NC		1998 Waste-in-Place (ton	ns):	2,278,000
Year Open:	1971		1998 Waste-in-Place (ton.	s):	2,278,000
Year Closed:	1994				
:32//2/AS		B. LANDFILL GAS CO	OLLECTION	<i>J</i> .	
Estimated Methane Genera	ation (mmscf/d):		1.00		
LFG Collection System Sta					
Current LFG Collected (m					
Collection and Treatment S		NSPS/EG:	No		
		C. LANDFILL GAS U	FILIZATION		246.00
Current Utilization:					
Utilization System Sta	atus: Unknowr	.			
Utilization System Ty					
Utilization System Sta	-	I			
Electric Utility Provid					
Natural Gas Provider(
Energy Purchaser(s):	.5).				
Lifeigy i dichaser(s).					
Capacity:	Electr	ricity Generation Project (M	IW) OR	Direct Use Project (mr	mBtu/hr)
Estimated Potential C	anacity:	··················	3		31
	apacity.		- 1		
Current Capacity:	1				
Current Capacity: Planned Capacity:					
Planned Capacity:					
	Duke Pov	wer Co; Nantahala Power &	Light Co; Piedmont Elec	etric Member Corp; Rand	
Planned Capacity:		wer Co; Nantahala Power & VIROMENTAL BENEFI		etric Member Corp; Rand	
Planned Capacity:		VIROMENTAL BENEFI	IS OF UTILIZATION		lolph Electric M
Planned Capacity: Utilities in County:	D. EN	VIROMENTAL BENEFI	IS OF UTILIZATION	ctric Member Corp; Rand	lolph Electric M
Planned Capacity: Utilities in County: Methane Reduction (tons/y	D. EN ¹	VIROMENTAL BENEFI	TS OF UTILIZATION tential 5,785		lolph Electric M rent
Planned Capacity: Utilities in County: Methane Reduction (tons/y	D. EN ¹	VIROMENTAL BENEFI	IS OF UTILIZATION		lolph Electric M
Planned Capacity: Utilities in County: Methane Reduction (tons/y	r): eduction (tons/yr):	VIROMENTAL BENEFI	tential 5,785		lolph Electric M rent 0 0
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	r): eduction (tons/yr):	VIROMENTAL BENEFI	tential 5,785	. Curr	lolph Electric M rent 0 0
Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	r): eduction (tons/yr):	Po Electricity General	tential 5,785 121,491 eration Project	. Curr	lolph Electric M rent 0 0
Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	n): eduction (tons/yr): sil Fuel Displacement: Coal:	Po Electricity Gence CO2 (tons/yr) 24,468	tential 5,785 121,491 eration Project SO2 (tons/yr) 155	Direct Use CO2 (tons/yr) 17,422	ent O O Project SO2 (tons/yr) 159
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	D. EN chuction (tons/yr): sil Fuel Displacement: Coal: Fuel Oil:	Electricity General CO2 (tons/yr) 24,468 20,082	tential 5,785 121,491 eration Project SO2 (tons/yr) 155 129	Direct Use CO2 (tons/yr) 17,422 14,299	Project SO2 (tons/yr) 159 83
Planned Capacity: Utilities in County: Methane Reduction (tons/y) CO2 Equivalent of CH4 Re	n): eduction (tons/yr): sil Fuel Displacement: Coal:	Po Electricity Gence CO2 (tons/yr) 24,468	tential 5,785 121,491 eration Project SO2 (tons/yr) 155	Direct Use CO2 (tons/yr) 17,422	ent O O Project SO2 (tons/yr) 159
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re	D. EN r): eduction (tons/yr): sil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity General CO2 (tons/yr) 24,468 20,082	tential 5,785 121,491 eration Project SO2 (tons/yr) 155 129 0	Direct Use CO2 (tons/yr) 17,422 14,299	Project SO2 (tons/yr) 159 83
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss	D. ENV r): eduction (tons/yr): sil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity General CO2 (tons/yr) 24,468 20,082 13,503 E. CONTACT INFO	tential 5,785 121,491 eration Project SO2 (tons/yr) 155 129 0 RMATION	Direct Use CO2 (tons/yr) 17,422 14,299 9,615	rent O O Project SO2 (tons/yr) 159 83 O
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Rol	D. ENN r): eduction (tons/yr): sil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landf bert Mace	Electricity General CO2 (tons/yr) 24,468 20,082 13,503 E. CONTACT INFO	tential 5,785 121,491 eration Project SO2 (tons/yr) 155 129 0 RMATION Alvin Cagle	Direct Use CO2 (tons/yr) 17,422 14,299 9,615 Landfill Operator	rent O O Project SO2 (tons/yr) 159 83 O
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Rol	D. ENV r): eduction (tons/yr): sil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity General CO2 (tons/yr) 24,468 20,082 13,503 E. CONTACT INFO	tential 5,785 121,491 eration Project SO2 (tons/yr) 155 129 0 RMATION	Direct Use CO2 (tons/yr) 17,422 14,299 9,615 Landfill Operator	rent O O Project SO2 (tons/yr) 159 83 O
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Rol Mailing Address: Rol	D. ENN r): eduction (tons/yr): sil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landf bert Mace	Electricity General CO2 (tons/yr) 24,468 20,082 13,503 E. CONTACT INFO	tential 5,785 121,491 eration Project SO2 (tons/yr) 155 129 0 RMATION Alvin Cagle	Direct Use CO2 (tons/yr) 17,422 14,299 9,615 Landfill Operator	rent O O Project SO2 (tons/yr) 159 83 O
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Rol Mailing Address: Rol	D. ENN r): eduction (tons/yr): sil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landf bert Mace	Electricity General CO2 (tons/yr) 24,468 20,082 13,503 E. CONTACT INFO	tential 5,785 121,491 eration Project SO2 (tons/yr) 155 129 0 RMATION Alvin Cagle	Direct Use CO2 (tons/yr) 17,422 14,299 9,615 Landfill Operator	rent O O Project SO2 (tons/yr) 159 83 O
Planned Capacity: Utilities in County: Methane Reduction (tons/y CO2 Equivalent of CH4 Re Emissions Avoided by Foss Contact Name: Rol Mailing Address: Rol	D. ENV r): eduction (tons/yr): sil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landf bert Mace ute 5, Box 267	Electricity General CO2 (tons/yr) 24,468 20,082 13,503 E. CONTACT INFO	tential 5,785 121,491 eration Project SO2 (tons/yr) 155 129 0 RMATION Alvin Cagle 209 North Graham	Direct Use CO2 (tons/yr) 17,422 14,299 9,615 Landfill Operator	rent O O Project SO2 (tons/yr) 159 83 O

			Avery County	_		Landfill Category:	Candidate
		A. G	ENERAL LANDFILL	INFORMAT	ION		
Landfill Owner:	Avery	County	A	Annual Accep	tance Rate	(tons):	3,560
Landfill Owner Type:			•	Year Annual A	Acceptance	Rate Reported:	1993
Alternative Landfill Na	ame:		I	Design Capaci	ity (tons):		
City:	Spruce	Pine	A	Acres Current	ly Landfille	ed (acres):	
County:	Avery		A	Average Deptl	h (feet):		
State:	NC		1	Waste-in-Plac	e (tons):		182,875
Year Open:	1972		1	1998 Waste-in	-Place (ton	as):	182,875
Year Closed:	1993						
<u> </u>		t i	3. LANDFILL GAS CO	LLECTION			
Estimated Methane Ger	neration (mmsc	f/d):		0.06			
LFG Collection System	_	,					
Current LFG Collected			•				
Collection and Treatme	ent System Requ	uired Under NSF	PS/EG:	No		•	
			C. LANDFILL GAS UT	TILIZATION	1		**************************************
Current Utilization:							
Utilization System	n Status:	Planned		•			
Utilization System		Unknown					
Utilization System		3.2					
Electric Utility Pro							
Natural Gas Provi							
Energy Purchaser	• •						
Capacity:		Electrici	ty Generation Project (M	(W)	OR 	Direct Use Project (mmBtu/h	r)
Estimated Potentia	al Capacity:			0			2
Current Capacity:							
Planned Capacity:							
Utilities in County:		Mountain El	ectric Coop Inc; Tenness	oo Vallay Au	thority		
Ounties in County.	*						~
[2,		D. ENVIR	ROMENTAL BENEFIT	S OF UTILI	ZATION		·
			Poi	tential		Current	
Methane Reduction (to					374		0
CO2 Equivalent of CH4	4 Reduction (to	ns/yr):			7,848		0
Emissions Avoided by I	Fassil Fuel Diss	alacamant:	Electricity Gene	eration Project	···	Direct Use Project	,
Emissions Avoided by I	ossu ruei Disp	лисетет.	CO2 (tons/yr)	SO2 (toi		,	: 2 (tons/yr)
			-	502 (10)	•	-	•
		Coal:	1,579		10	1,125	10
		Fuel Oil:	1,296		8	924	5
	N	atural Gas:	871		0	621	0
			E. CONTACT INFO	RMATION			
		Landfill (Landfill Operator	· · · · · · · · · · · · · · · · · · ·
Contact Name:	Randall Fletch			Dalla	Cov	•	
[U 1					
Mailing Address:	PO Box 54			PO B	ox 640		
Phone Number:	704-733-5186			704-7	65-8201		
Fax Number:							
* Itallicized indicates vo	alues estimated	by EPA.	Dec	cember 5, 199	8	State: NC Page	2

		Biackburn L.		ION	Lanajiii Cate	gory: Current
	A. G.	ENERAL LANDFILL II	NEURMAT	ION		Edward Andrews
Landfill Owner: Cataw	ba County		-	tance Rate (144,450
Landfill Owner Type: Public		Ye	ear Annual A	Acceptance F	Rate Reported:	1993
Alternative Landfill Name: Cataw	ba County LF		esign Capaci	=		
City: Newto	on			ly Landfilled	d (acres):	
County: Cataw	ba ·		verage Depth			
State: NC		W	aste-in-Place	e (tons):		2,168,232
Year Open: 1981		19	98 Waste-in	-Place (tons	r):	2,439,261
Year Closed: 2007						
	В	LANDFILL GAS COI	LECTION	777		
Estimated Methane Generation (mms	cf/d):		1.04			
LFG Collection System Status:						
Current LFG Collected (mmscf/d):						
Collection and Treatment System Rec	quired Under NSP	S/EG:	No			
		C. LANDFILL GAS UTI	LIZATION		3 ASAS 35	
Current Utilization:						
Utilization System Status:	Construction					
Utilization System Type:	Reciprocating					
Utilization System Start Year:	1999	J -				
Electric Utility Provider(s):						
Natural Gas Provider(s):						
Energy Purchaser(s):	Duke Power					
Capacity:	Electricit	y Generation Project (MV	V) C	OR	Direct Use Project (mml	Stu/hr)
Estimated Potential Capacity:			3			33
Current Capacity:						
Planned Capacity:			4.8			
Hallisia in Commen	C	Mari Carra Dala Dama	. Ca. Maida	- Fl	ilia Nama Piaria Da	Doob
Utilities in County:		·			ility; Newton Electric De	pt; Rutherfor
	D. ENVIR	OMENTAL BENEFITS	OF UTILI	ZATION		
		Pote	ntial		Currer	nt
Methane Reduction (tons/yr):				6,024		0
CO2 Equivalent of CH4 Reduction (to	ons/yr):		1	126,500		0
	,		n .		D:	
Emissions Avoided by Fossil Fuel Dis	splacement:	Electricity Gener	•	1	Direct Use P	*
	-	CO2 (tons/yr)	SO2 (ton	is/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	26,046		165	18,140	165
	Fuel Oil:	21,378		138	14,888	87
i	Natural Gas:	14,375		0	10,011	0
	Landfill C	E. CONTACT INFOR	MATION		Landfill Operator	
Contact Name: Dick Wyatt, C	City Engineer	,	Tomn	ny London		
Mailing Address: PO Box 389	. -		1	ox 389		
FO DOX 389			1000	<i>IA 3</i> 07		
Phone Number						
Phone Number: 704-465-8263	3		704-4	65-8263		
Fax Number:						
l I						

			Brunswick Coun	-		Landfill Cate	gory: Candidate
		A. G	ENERAL LANDFILL I	NFORMAT	ION	X .	
Landfill Owner:			, A1	nnual Accept	tance Rate	(tons):	76,005
Landfill Owner Type:	Private		Ye	ear Annual <i>A</i>	Acceptance	Rate Reported:	1993
Alternative Landfill N				esign Capaci	-	•	
City:	Supply			cres Currentl	-	ed (acres):	
County:	Brunsw	vick		verage Depth	-		
State:	NC			aste-in-Place			1,063,573
Year Open:	1983		19	98 Waste-in	-Place (ton	s):	1,215,512
Year Closed:	1999						
Alexandria Alexandria	8.1 35.2 15.3	J	B. LANDFILL GAS COI	LECTION			
Estimated Methane G	anaration (mmsc	e(d):		0.73			***************************************
LFG Collection Syste	_	<i>j/u)</i> .		0.73			
Current LFG Collecte							
Collection and Treatm		uirad Undar NSE	99/EC:	No			
Conection and Treath	iem System Requ		C. LANDFILL GAS UTI		1	· · · · · · · · · · · · · · · · · · ·	
			C. LANDFILL GAS UT	LIZATION		<u> </u>	
Current Utilization:							
Utilization System		Unknown					
Utilization System		Unknown					
Utilization System							
Electric Utility P							
Natural Gas Prov	rider(s):						
Energy Purchase	r(s):						
Capacity:		Electrici	ty Generation Project (MV	V) C)R	Direct Use Project (mml	Stu/hr)
Estimated Potent	ial Capacity:			2			23
Current Capacity	•						
Planned Capacity					-		
Utilities in County:		Brunswick E	Electric Member Corp; Car	olina Power	& Light Co	ompany; Southeastern Pow	ver Admin; So
			ROMENTAL BENEFITS	-			
. 3			Pote			Currer	
Madana Badanda (Pote	ппаі	4 214	Currer	
Methane Reduction (to	•				4,214		0
CO2 Equivalent of CH	14 Reauction (to)	ns/yr):			88,496		0
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Gener	ation Projec	rt .	Direct Use P	roject
,	•		CO2 (tons/yr)	SO2 (ton		CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	18,153	,	115	12,690	116
		Fuel Oil:	14,899		96	10,416	61
	N	atural Gas:	10,019		0	7,004	0
	- 7.5 A 18 2.77:	Landfill (E. CONTACT INFOR	MATION	7.5	Landfill Operator	
Contact Name:			JWIICI			Landini Operator	
Contact Name:	William Yeltin				Somerset		
Mailing Address:	PO Box 249			PO Bo	ox 249		
				PO Bo	ox 249		
Phone Number:	919-253-4331			919-2	53-4347		
Fax Number:							
· ux rumoer.							
* Itallicized indicates v	values estimated	by EPA.	Dece	mber 5, 199	8	State: NC	Page: 4

			Buncombe Cour	nty LF	Lai	ndfill Category:	Current
		A. GI	ENERAL LANDFILL I	NFORMATION	٧		
Landfill Owner:			Α	annual Acceptano	ce Rate (tons):		96,753
Landfill Owner Type:	Public		Y	ear Annual Acce	eptance Rate Reported:		1993
Alternative Landfill N	ame:		D	esign Capacity (tons):		
City:	Ashevi	lle	Α	cres Currently L	andfilled (acres):		80
County:	Buncor	mbe	A	verage Depth (fe	eet):		
State:	NC		W	/aste-in-Place (to	ons):	3,	446,544
Year Open:	1971		19	998 Waste-in-Pla	ace (tons):	3,	877,362
Year Closed:	1997						
4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		В	. LANDFILL GAS CO	LLECTION			
Estimated Methane Ge	eneration (mmsc	·f/d):		1.41			
LFG Collection System	n Status:						
Current LFG Collected	d (mmscf/d):			1.4			
Collection and Treatm	ent System Requ	uired Under NSP	S/EG:	No			
27,478		. (LANDFILL GAS UT	ILIZATION			
Current Utilization:							
Utilization Syster	n Status:	Operational					
Utilization Syster	n Type:	Reciprocating	g Engine				
Utilization Syster	n Start Year:	1998					
Electric Utility Pr	rovider(s):						
Natural Gas Provi	ider(s):						
Energy Purchaser	r(s):	Metropolitan	Sewer District POTW				
Capacity:		Electricit	y Generation Project (M	W) OR	Direct Use Pr	oject (mmBtu/hr)	
			, J (")	Direct Osc 110	oject (mmbtam)	
	ial Canacity:				Direct Osc 110		44
Estimated Potenti				4		oject (iiiiibtaiii)	44 29
	:					oject (iiiiibidiii)	
Estimated Potenti Current Capacity: Planned Capacity	:			4			29
Estimated Potenti Current Capacity:	:	Carolina Pow	er & Light Company; Fr	4 rench Broad Elec	Member Corp; Haywoo		29
Estimated Potentic Current Capacity: Planned Capacity	:	Carolina Pow	er & Light Company; Fr	4 rench Broad Elec	Member Corp; Haywoo		29 r Cor
Estimated Potentic Current Capacity: Planned Capacity Utilities in County:		Carolina Pow	er & Light Company; Fr	4 rench Broad Elec S OF UTILIZA	Member Corp; Haywoo	od Electric Membe	29 r Cor
Estimated Potentic Current Capacity: Planned Capacity Utilities in County:	: : ons/yr):	Carolina Pow	er & Light Company; Fr	ench Broad Elec S OF UTILIZA ential	Member Corp; Haywoo	od Electric Membe Current	29 r Cor 5,396
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH	ons/yr): 4 Reduction (to	Carolina Pow D. ENVIR ns/yr):	er & Light Company; Fr	4 rench Broad Elec S OF UTILIZA	Member Corp; Haywoo	od Electric Membe Current	29 r Cor
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to	ons/yr): 4 Reduction (to	Carolina Pow D. ENVIR ns/yr):	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene	rench Broad Elect SOF UTILIZA ential 8, 171, ration Project	Member Corp; Haywoo	od Electric Membe Current rect Use Project	5,396 113,320
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH	ons/yr): 4 Reduction (to	Carolina Pow D. ENVIR ns/yr):	er & Light Company; Fr OMENTAL BENEFIT Pote	rench Broad Elec S OF UTILIZA ential 8,	Member Corp; Haywoo	od Electric Membe Current rect Use Project	29 r Cor 5,396
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH	ons/yr): 4 Reduction (to	Carolina Pow D. ENVIR ns/yr):	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene	rench Broad Elect SOF UTILIZA ential 8, 171, ration Project	Member Corp; Haywoo	od Electric Membe Current rect Use Project	5,396 113,320
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH	ons/yr): 4 Reduction (tol	Carolina Pow D. ENVIR ns/yr): placement: Coal:	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene. CO2 (tons/yr) 34,728	rench Broad Elect S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y)	Member Corp; Haywoo TION 150 158 Di. CO2 (ton.	Current Current rect Use Project s/yr) SO2 (29 r Cor 5,396 113,320
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH	ons/yr): 14 Reduction (ton Fossil Fuel Disp	Carolina Pow D. ENVIR ns/yr): placement: Coal: Fuel Oil:	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr) 34,728 28,503	rench Broad Elec S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y) 22	Member Corp; Haywoo TION 150 158 Di. CO2 (ton.) 100 24 26	Current Current Solve (1) Solv	5,396 113,320 (tons/yr) 223 117
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH	ons/yr): 14 Reduction (ton Fossil Fuel Disp	Carolina Pow D. ENVIR ns/yr): placement: Coal:	Per & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr) 34,728 28,503 19,166	rench Broad Elect S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y) 22	Member Corp; Haywoo TION 150 158 Di. CO2 (ton.) 100 24 26	Current Current Solve Project Solve Solv	5,396 113,320 tons/yr) 223 117
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH	ons/yr): 14 Reduction (ton Fossil Fuel Disp	Carolina Pow D. ENVIR ns/yr): placement: Coal: Fuel Oil:	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr) 34,728 28,503 19,166 E. CONTACT INFOR	rench Broad Elect S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y) 22	Member Corp; Haywoo TION 150 158 Di. CO2 (ton.) 100 24 26	Current Current Solve 1 Solve 1 Solve 2 Solve 3 Solve 4 Solve 3 Solve 4 Sol	5,396 113,320 (tons/yr) 223
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH Emissions Avoided by	ons/yr): 14 Reduction (tor Fossil Fuel Disp	Carolina Pow D. ENVIR ns/yr): placement: Coal: Fuel Oil: latural Gas:	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr) 34,728 28,503 19,166 E. CONTACT INFOR	rench Broad Elect S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y) 22 18	Member Corp; Haywood TION 150 158 Dia CO2 (ton.) 20 24 20 11 Landfill Ope	Current Current Solve 1 Solve 1 Solve 2 Solve 3 Solve 4 Solve 3 Solve 4 Sol	5,396 113,320 tons/yr) 223 117 0
Estimated Potentic Current Capacity: Planned Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH Emissions Avoided by Contact Name:	ons/yr): 14 Reduction (tor Fossil Fuel Disp. No.	Carolina Pow D. ENVIR ns/yr): clacement: Coal: Fuel Oil: latural Gas: Landfill C	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr) 34,728 28,503 19,166 E. CONTACT INFOR	rench Broad Elect S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y) 22 18 RMATION Marvin W	Member Corp; Haywood TION 150 158 Dia CO2 (ton) 164 26 16 Landfill Operated Addy	Current Current Solve 1 Solve 1 Solve 2 Solve 3 Solve 4 Solve 3 Solve 4 Sol	5,396 113,320 tons/yr) 223 117
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH Emissions Avoided by	ons/yr): 14 Reduction (tor Fossil Fuel Disp	Carolina Pow D. ENVIR ns/yr): clacement: Coal: Fuel Oil: latural Gas: Landfill C	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr) 34,728 28,503 19,166 E. CONTACT INFOR	rench Broad Elect S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y) 22 18 RMATION Marvin W	Member Corp; Haywood TION 150 158 Dia CO2 (ton.) 20 24 20 11 Landfill Ope	Current Current Solve 1 Solve 1 Solve 2 Solve 3 Solve 4 Solve 3 Solve 4 Sol	5,396 113,320 tons/yr) 223 117 0
Estimated Potentic Current Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH Emissions Avoided by Contact Name: Mailing Address:	ons/yr): 14 Reduction (ton Fossil Fuel Disp N Bob Hunter 30 Valley Street	Carolina Pow D. ENVIR ns/yr): clacement: Coal: Fuel Oil: latural Gas: Landfill C	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr) 34,728 28,503 19,166 E. CONTACT INFOR	rench Broad Elect S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y) 22 18 RMATION Marvin W County C	Member Corp; Haywood TION 150 158 Dia 158 Dia 158 Dia 159 Dia	Current Current Solve 1 Solve 1 Solve 2 Solve 3 Solve 4 Solve 3 Solve 4 Sol	5,396 113,320 tons/yr) 223 117 0
Estimated Potentic Current Capacity: Planned Capacity: Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CH Emissions Avoided by Contact Name:	ons/yr): 14 Reduction (tor Fossil Fuel Disp. No.	Carolina Pow D. ENVIR ns/yr): clacement: Coal: Fuel Oil: latural Gas: Landfill C	er & Light Company; Fr OMENTAL BENEFIT Pote Electricity Gene CO2 (tons/yr) 34,728 28,503 19,166 E. CONTACT INFOR	rench Broad Elect S OF UTILIZA ential 8, 171, ration Project SO2 (tons/y) 22 18 RMATION Marvin W	Member Corp; Haywood TION 150 158 Dia 158 Dia 158 Dia 159 Dia	Current Current Solve 1 Solve 1 Solve 2 Solve 3 Solve 4 Solve 3 Solve 4 Sol	5,396 113,320 tons/yr) 223 117

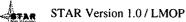
Landfill Owner Type:				CMS Landf	ill V		Landfill Car	egory: Current
Landfill Owner Type:			A. G	ENERAL LANDFILL	INFORMAT	ION		
Alternative Landfill Name: Charlotte Motor Speedway LF Design Capacity (tons): Areres Currently Landfilled (acres):	Landfill Owner:	BFI			Annual Accep	tance Rate ((tons):	536,527
County: Cubarrus Average Depth (feet)	Landfill Owner Type:	Private			Year Annual A	Acceptance 1	Rate Reported:	1993
County:	Alternative Landfill Nan	ne: Charlot	te Motor Speedy	vay LF	Design Capac	ity (tons):	-	
County: Cabarrus Average Depth (feet): 2.244	City:	Concor	·d	•		=	d (acres):	
Sinte: NC Waste-in-Place (tons): 2,244 Year Open: 1992 1998 Waste-in-Place (tons): 3,141 Year Closed: ### Estimated Methane Generation (mmsc)f(d): 1.22 ### LEG Collection System Status: Content LEG Collection System Status: Content Unitization System Status: Content Cont		Cabarn	us			•	,	
Year Closed: B. L'ANDFILL GAS COLLECTION	=	NC						2,244,231
Year Closed: B. EANDFILL GAS COLLECTION	Year Open:	1992					s):	3,141,924
Estimated Methane Generation (mascfd): LTG Collection System Status: Current LFG Collected (mascfd): Collection and Treatment System Required Under NSPS/EG: No C.LANDEILL GAS UTIFIZATION Current Utilization: Utilization System Status: Construction Utilization System Status: Construction Utilization System Status: Provider(s): Electric Utility Provider(s): Energy Purchaser(s): City of Concord Capacity: Electric Utility Frovider(s): Planned Capacity: Planned Capacity: Planned Capacity: Current Capacity: Planned Capacity: Concord, City of: Crescent Elec Mem Corp.: Duke Power Co: Union Electric Membership Corp DENVIROMENTAL BENEFITS OF UTILIZATION Potential Methane Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coat: Coat: Coat: Planned Capacity: Electricity Generation Project Coat: Planned Capacity: Emissions Avoided by Fossil Fuel Displacement: Coat: Coat: Planned Capacity: Landfill Owner Landfill Owner Landfill Owner Landfill Operator Contact Name: Harold Watson Mailing Address: 5105 Morehead Drive Phone Number: 704-782-2004 Fax Number:	-					•	•	, ,
LFG Collection System Status: Current LFG Collection and Treatment System Required Under NSPS/EG: No CLANDEILL GAS UTILIZATION CUrrent Utilization: Utilization System Status: Construction Utilization System Status Construction Utilization System Status Prope: Utilization System Start Year: Utilization Syste	1]	B. LANDFILL GAS C	DLLECTION	l		
LFG Collection System Status: Current LFG Collection and Treatment System Required Under NSPS/EG: No CLANDEILL GAS UTILIZATION CUrrent Utilization: Utilization System Status: Construction Utilization System Status Construction Utilization System Status Prope: Utilization System Start Year: Utilization Syste	Estimated Methane Gene	eration (mmsc	f/d):		1.22			
Current LFG Collected (mmselfd): Collection and Treatment System Required Under NSPS/EG: No CUrrent Utilization: Utilization System Status: Conscord Status: Utilization System Status: Utilization County: Potential Potential Capacity: Potential Current Capacity: Potential Current Author Potential Current Author System Status: Utilization County: Potential Current Author System Status: Utilization Capacity: Potential Capacity: Potential Capacity: Author System Status: Utilization Capacity: Potential Capacity: Author System Status: Current Capacity: Potential Capacity: Author System Status: Current Capacity: Author System Status: Author			<i>y</i> /-					
Current Utilization System Status: Construction Utilization System Start Year: 1999 Electric Utility Provider(s): Energy Purchaser(s): City of Concord Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 1.0 Utilities in County: Concord. City of; Crescent Elec Mem Corp; Duke Power Co: Union Electric Membership Corp ED ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 148,321 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Fuel Oil: 24,617 159 17,457 Natural Gas: 100 11,738 E.CONTACT INFORMATION E.CONTACT INFORMATION Landfill Owner Landfill Owner Landfill Operator Contact Name: Harold Watson Mailing Address: 5105 Morchead Drive Phone Number: 704-782-2004 Fax Number: 704-782-2004 Fax Number: 704-782-2004								
Current Utilization: Utilization System Status: Utilization System Type: Reciprocating Engine Utilization System Start Year: 1999 Electric Utility Provider(s): Ratural Gas Provider(s): Energy Purchaser(s): City of Concord Capacity: Planned Capacity: Planned Capacity: Planned Capacity: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp DENVIROMENTAL BENEFITS OF UTILIZATION Potential T.063 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal:		·	uired Under NSF	PS/EG:	No ·			
Current Utilization: Utilization System Status: Construction Utilization System Type: Reciprocating Engine Utilization System Type: 1999 Electric Utility Provider(s): Energy Purchaser(s): City of Concord Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 1.0 Utilities in Country: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp D. ENVIROMENTALE BENEFITIS OF UTILIZATION Methane Reduction (tons/yr): 148.321 Utilities in Country: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Coal: 29,993 190 21,269 Fuel Oil: 24,617 159 17,457 Natural Gas: 16,553 0 11,738 ECONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson Mailing Address: 5105 Morehead Drive 5105 Morehead Drive Phone Number: 704-782-2004 Fax Number: 704-782-2004		3. 3.				1		
Utilization System Status: Utilization System Start Year: Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): City of Concord Capacity: Electricity Generation Project (MW) Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Concord, City of; Crescent Elec Mem Corp: Duke Power Co; Union Electric Membership Corp D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: 29,993 190 21,269 Fuel Oil: 24,617 159 17,457 Natural Gas: 16,553 0 11,738 E CONTACT INFORMATION Landfill Owner Contact Name: Harold Watson Mailing Address: 5105 Morehead Drive Phone Number: 704-782-2004 Fax Number:	Current Litilization:							
Utilization System Type: 1999 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): City of Concord Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 4 3 Current Capacity: 1.0 Utilities in County: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 7,063 CO2 Equivalent of CH4 Reduction (tons/yr): Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Fuel Oil: 24,617 159 17,457 Natural Gas: 16,553 0 11,738 E CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson Silos Morehead Drive Phone Number: 704-782-2004 Fax Number: 704-782-2004		Statue:	Construction					
Utilization System Start Year: 1999 Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): City of Concord	=							
Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): City of Concord Capacity: Estimated Potential Capacity: Current Capacity: Planned Capacity: D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: 29.993 Fuel Oil: 24.617 So CO2 (tons/yr) SO (t	· · · · · · · · · · · · · · · · · · ·		_	g Engine				
Natural Gas Provider(s): Energy Purchaser(s): City of Concord Capacity: Estimated Potential Capacity: Planned Capacity: Potential Current Current Potential Current 7.063 Current Rethane Reduction (tons/yr): Potential Current Acurent Electricity Generation Project CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) SO3 (tons/yr) CO6 (tons/yr) SO3 (tons/yr) CO7 (tons/yr) SO3 (tons/yr) CO7 (tons/yr) SO3 (tons/yr	-		1999					
Energy Purchaser(s): City of Concord Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 4 Current Capacity: 1.0 Utilities in County: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 7,063 CO2 Equivalent of CH4 Reduction (tons/yr): 148,321 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr) Landfill Owner Landfill Operator Contact Name: Harold Watson Mailing Address: 5105 Morehead Drive Phone Number: 704-782-2004 Fax Number: 704-782-2004	•							
Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 4 Current Capacity: 1.0 Utilities in County: Concord, City of: Crescent Elec Mem Corp; Duke Power Co: Union Electric Membership Corp D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 7,063 CO2 Equivalent of CH4 Reduction (tons/yr): 148,321 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Coal: 29,993 190 21,269 Fuel Oil: 24,617 159 17,457 Natural Gas: 16,553 0 11,738 ECONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson S105 Morehead Drive Phone Number: 704-782-2004 Fax Number: 704-782-2004		, ,	City of Cond	eord				
Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Concord, City of: Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp D. ENVIROMENTAL BENEFITS OF UFILIZATION Potential Current 7,063 7,063 148,321 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr)	Lifergy I dichaser(s)•	City of Conc	old				
Current Capacity: Planned Capacity: Utilities in County: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Author of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: 29,993 190 21,269 Fuel Oil: 24,617 Natural Gas: 16,553 0 11,738 E CONTACTINFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson Mailing Address: 5105 Morehead Drive Phone Number: 704-782-2004 Fax Number:	Capacity:		Electrici	ty Generation Project (N	(W) (OR	Direct Use Project (mr	nBtu/hr)
Planned Capacity: Utilities in County: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Potential Current Active Project CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Co2 (tons/yr) Co3 (tons/yr) Co4 (tons/yr) So5 (tons/yr) Co5 (tons/yr) So6 (tons/yr) So7 (tons/yr) Co7 (tons/yr) So7 (tons/yr) So7 (tons/yr) So7 (tons/yr) So7 (tons/yr) So7 (tons/yr) Co7 (tons/yr) So7 (tons/y	Estimated Potential	Capacity:			4			38
Utilities in County: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Potential 7,063 148,321 Emissions Avoided by Fossil Fuel Displacement: Co2 (tons/yr) Coal: 29,993 190 21,269 Fuel Oil: 24,617 159 17,457 Natural Gas: 16,553 0 11,738 E. CONTACT INFORMATION Landfill Owner Landfill Owner Landfill Operator Contact Name: Mailing Address: Phone Number: 704-782-2004 Fax Number:	Current Capacity:		Transport					
D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential T.063 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (Planned Capacity:				1.0			
Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) SO5	Utilities in County:		Concord, Cit	y of; Crescent Elec Mer	n Corp; Duke	Power Co;	Union Electric Members	hip Corp
Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) SO2	٥٠		D. ENVIR	ROMENTAL BENEFI	IS OF UTIL	IZATION		
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/				Po	tential		Curr	ent
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/	Methane Reduction (tons	s/yr):				7,063		0
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/y		•	ns/yr):			148,321		0
CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		
Coal: 29,993 190 21,269 Fuel Oil: 24,617 159 17,457 Natural Gas: 16,553 0 11,738 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson Harold Watson Mailing Address: 5105 Morehead Drive Phone Number: 704-782-2004 Fax Number:	Emissions Avoided by Fo	ossil Fuel Disp	olacement:	Electricity Gen	eration Projec	ct	Direct Use	•
Fuel Oil: 24,617 159 17,457 Natural Gas: 16,553 0 11,738 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson Mailing Address: 5105 Morehead Drive 5105 Morehead Drive Phone Number: 704-782-2004 704-782-2004 Fax Number: 704-782-2004				CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Natural Gas: 16,553 0 11,738 E.CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson Harold Watson Mailing Address: 5105 Morehead Drive 5105 Morehead Drive Phone Number: 704-782-2004 704-782-2004 Fax Number:			Coal:	29,993		190	21,269	194
Natural Gas: 16,553 0 11,738 E.CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson Harold Watson Mailing Address: 5105 Morehead Drive 5105 Morehead Drive Phone Number: 704-782-2004 704-782-2004 Fax Number:			Fuel Oil·	24.617		159	17.457	102
E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Harold Watson Harold Watson Mailing Address: 5105 Morehead Drive 5105 Morehead Drive Phone Number: 704-782-2004 704-782-2004 Fax Number:		A.					·	0
Contact Name: Harold Watson Harold Watson S105 Morehead Drive S105 Morehead Drive 704-782-2004 704-782-2004			aturat Gas.				11,736	U
Contact Name: Harold Watson Harold Watson Mailing Address: 5105 Morehead Drive 5105 Morehead Drive Phone Number: 704-782-2004 704-782-2004 Fax Number:			Landfill (RMATION		Landfill Operator	
Mailing Address: 5105 Morehead Drive 5105 Morehead Drive 704-782-2004 704-782-2004 Fax Number:	Contact Name:	Harold Watson			Harol	d Watson		
Phone Number: 704-782-2004 704-782-2004 Fax Number:	•				Ì			
Fax Number:	Mailing Address: 5	105 Morehea	d Drive		5105	Morehead I	Drive	
Fax Number:	Phone Number					.00.000:		
	riione Number: 7	04-782-2004			704-7	82-2004		
* Itallicized indicates values estimated by FPA December 5, 1998 State: NC Dage:	Fax Number:							
* Itallicized indicates values estimated by FPA December 5, 1008 State: NC Dage:			1 ED:					
Transcription of the Property	į.		by EPA.	De	cember 5, 199	אי	State: NC	Page: 6

Cabarrus County LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: Cabarrus County Annual Acceptance Rate (tons): 61,248 Landfill Owner Type: Public 1993 Year Annual Acceptance Rate Reported: Alternative Landfill Name: Design Capacity (tons): City: Concord Acres Currently Landfilled (acres): County: Cabarrus Average Depth (feet): State: NC Waste-in-Place (tons): 1,368,822 Year Open: 1974 1998 Waste-in-Place (tons): 1,487,850 Year Closed: 2008 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 0.80 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): Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Capacity: 3 Estimated Potential Capacity: 25 Current Capacity: Planned Capacity: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp **Utilities in County:** D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current 0 Methane Reduction (tons/yr): 4,617 96,955 0 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: 19,732 125 13,903 127 Fuel Oil: 16,195 104 11,411 67 10,890 0 Natural Gas: 7,673 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: **Bob Farris Bob Farris** Mailing Address: 715 Cabarrus Avenue 715 Cabarrus Avenue Phone Number: 704-782-3811 704-782-3811 Fax Number: Page: * Itallicized indicates values estimated by EPA. December 5, 1998 State: NC 7

		· · · · · · · · · · · · · · · · · · ·	Caldwell County	y LF	Landfill Cate	egory: Candidate
		A. GI	ENERAL LANDFILL I	NFORMATION		
Landfill Owner:	Caldwe	ll County	Aı	nnual Acceptance Rate (t	ons):	68,030
Landfill Owner Type:	: Public		Ye	ear Annual Acceptance R	ate Reported:	1993
Alternative Landfill N	Name:		De	esign Capacity (tons):		
City:	Hudsor	ı	Ad	cres Currently Landfilled	(acres):	
County:	Caldwe	11		verage Depth (feet):		
State:	NC			aste-in-Place (tons):		1,214,795
Year Open:	1975			998 Waste-in-Place (tons)) :	1,214,796
Year Closed:	1994			, ,		,
		В	. LANDFILL GAS COI	LLECTION		
Estimated Methane G	eneration (mmsc	f/d):		0.73		
LFG Collection Syste		•				
Current LFG Collecte						
Collection and Treatn	` ,	uired Under NSP	S/EG:	No		
			LANDFILL GAS UTI	ILIZATION		
Current Utilization:						
Utilization Syste	m Status:	Unknown				
Útilization Syste		Unknown				
Utilization Syste	• •	Omino wii				
Electric Utility P						
Natural Gas Prov						
Energy Purchase						
Capacity:		Electricit	y Generation Project (MV	V) OR	Direct Use Project (mm	nBtu/hr)
Estimated Potent	tial Canacity:			2		23
Current Capacity						23
Planned Capacity						
Utilities in County:		Blue Ridge E	lec Member Corp; Caroli	na Power & Light Comp	any; Duke Power Co; G	ranite Falls El
		D. ENVIR	OMENTAL BENEFITS	OF UTILIZATION		X1
				ential	Curre	ent
Methane Reduction (t	onshir).		1016	4,213	Cuin	. 0
CO2 Equivalent of CI	=	achir).		88,475		0
	14 Reduction (10)	13/ y/).		86,475		
Emissions Avoided by	Fossil Fuel Disp	placement:	Electricity Gener	ration Project	Direct Use	Project
			CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	18,153	115	12,687	115
		Fuel Oil:	14,899	96	10,413	61
			·		·	01
	N	atural Gas:	10,019	0	7,002	0
		Carrier Control of the Control of th	E. CONTACT INFOR	MATION		
		Landfill C)wner		Landfill Operator	
Contact Name:	Floyd Ingle			Floyd Ingle		
Mailing Address:	PO Box 2200			PO Box 2200		
Phone Number:	704 700 2005			704 700 2055		
i none runibei.	704-728-2866			704-728-2866		
Fax Number:						
* L-11:-2 - 1 - 1 - 1		L., ED4	<u> </u>	mbor 5 1000	Ctata: NC	Page 0
* Itallicized indicates	vaiues esiimaied	UY EFA.	Dece	ember 5, 1998	State: NC	Page: 8

De8e*1		a a a a a a a a a a a a a a a a a a a		rle LF			tegory: Car	ndidat
**************************************		A. (GENERAL LANDFILL	INFURMAT	ION		\$\$ 5°.	
Landfill Owner:	City of A	Albemarle	A	Annual Accep	otance Rate (t	tons):	6	0,429
Landfill Owner Type:	Public				•	Rate Reported:		199
Alternative Landfill Na				Design Capac	=			
City:	Albemar	rle		Acres Current		i (acres):		
County:	Stanly			verage Dept				
State:	NC			Vaste-in-Plac			1,52	
Year Open:	1973		1	998 Waste-in	n-Place (tons	·):	1,650	0,714
Year Closed:	2007		D. LANDEN I CAC CO	. r. r. comico.	•			- 346
	Sali S		B. LANDFILL GAS CO	LLECTION	V			
Estimated Methane Gei	-	'd):		0.84				
LFG Collection System								
Current LFG Collected								
Collection and Treatme	ent System Requi	ired Under NS		No			animale residente esta esta esta esta esta esta esta es	***************************************
<u></u>			C. LANDFILL GAS UI	ILIZATIO	V _W (s)			
Current Utilization:								
Utilization System	n Status:	Unknown						
Utilization System	· ·	Unknown						
Utilization System								
Electric Utility Pro								
Natural Gas Providence								
Energy Purchaser((s):							
Capacity:		Electric	ity Generation Project (M	W) (OR	Direct Use Project (mn	nBtu/hr)	
Estimated Potentia	al Capacity:			3				26
Estimated Potential Current Capacity:				· · · · ·				26
Estimated Potential Current Capacity: Planned Capacity:				· · · · ·				26
Current Capacity: Planned Capacity:		Albamarla	Flac Dis Syst: Duka Poyya	3	e Electric Me	ember Corn: Union Fleo		
Current Capacity: Planned Capacity:			Elec Dis Syst; Duke Powe	3 r Co; Pee De		ember Corp; Union Elec		
Current Capacity: Planned Capacity:			ROMENTAL BENEFIT	3 r Co; Pee De			tric Member	
Current Capacity: Planned Capacity: Utilities in County:			ROMENTAL BENEFIT	3 r Co; Pee De	IZATION	ember Corp; Union Elec	tric Member	sh
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (to)	ns/yr):	D. ENVI	ROMENTAL BENEFIT	3 r Co; Pee De 'S OF UTIL! ential	IZATION 8		tric Member	sh 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (10)	ns/yr):	D. ENVI	ROMENTAL BENEFIT	3 r Co; Pee De 'S OF UTIL! ential	IZATION		tric Member	sh 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (101 CO2 Equivalent of CH4	ns/yr): 4 Reduction (tons	D. ENVI	ROMENTAL BENEFIT Pot	3 r Co; Pee De 'S OF UTIL ential	4,858 102,012	Curre	etric Member	sh 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (101 CO2 Equivalent of CH4	ns/yr): 4 Reduction (tons	D. ENVI	ROMENTAL BENEFIT	3 r Co; Pee De 'S OF UTIL ential	4,858 102,012		etric Member	sh 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (101 CO2 Equivalent of CH4	ns/yr): 4 Reduction (tons	D. ENVI	ROMENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr)	3 r Co; Pee De S OF UTIL	4,858 102,012 ct ns/yr)	Curre Direct Use of CO2 (tons/yr)	ent Project	0 0 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (101 CO2 Equivalent of CH4	ns/yr): 4 Reduction (tons	D. ENVI	Pot Electricity Gene CO2 (tons/yr) 20,521	3 r Co; Pee De S OF UTIL	4,858 102,012 ct ns/yr) 130	Direct Use CO2 (tons/yr) 14,628	ent Project	0 0 0 133
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (101 CO2 Equivalent of CH4	ns/yr): 4 Reduction (tons	D. ENVI	ROMENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr)	3 r Co; Pee De S OF UTIL	4,858 102,012 ct ns/yr)	Curre Direct Use of CO2 (tons/yr)	ent Project	sh 0 0
Current Capacity: Planned Capacity: Utilities in County:	ns/yr): 4 Reduction (tons Fossil Fuel Displa	D. ENVI	Pot Electricity Gene CO2 (tons/yr) 20,521	3 r Co; Pee De S OF UTIL	4,858 102,012 ct ns/yr) 130	Direct Use CO2 (tons/yr) 14,628	ent Project	0 0 0 as/yr)
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (101 CO2 Equivalent of CH4	ns/yr): 4 Reduction (tons Fossil Fuel Displa	D. ENVI s/yr): facement: Coal: Fuel Oil: tural Gas:	Electricity Gene CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFOR	3 r Co; Pee De S OF UTIL ential eration Project SO2 (to)	4,858 102,012 ct ms/yr) 130 108	Direct Use CO2 (tons/yr) 14,628 12,006 8,073	ent Project	0 0 0 133 70
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (ton CO2 Equivalent of CH4 Emissions Avoided by I	ns/yr): 4 Reduction (tons Fossil Fuel Displa	D. ENVI s/yr): acement: Coal: Fuel Oil:	Electricity Gene CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFOR	3 r Co; Pee De S OF UTIL ential eration Project SO2 (to)	4,858 102,012 ct ns/yr) 130 108 0	Direct Use CO2 (tons/yr) 14,628 12,006 8,073	ent Project SO2 (tors	0 0 0 133 70
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (ton CO2 Equivalent of CH4 Emissions Avoided by I	ns/yr): 4 Reduction (tons Fossil Fuel Displa	D. ENVI s/yr): cacement: Coal: Fuel Oil: tural Gas: Landfill	Electricity Gene CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFOR	3 r Co; Pee De S OF UTIL ential eration Project SO2 (to	4,858 102,012 ct ns/yr) 130 108 0	Direct Use CO2 (tons/yr) 14,628 12,006 8,073	ent Project SO2 (tors	0 0 0 133 70
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (ton CO2 Equivalent of CH2 Emissions Avoided by I	ns/yr): 4 Reduction (tons Fossil Fuel Displa Na	D. ENVI s/yr): cacement: Coal: Fuel Oil: tural Gas: Landfill	Electricity Gene CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFOR	T Co; Pee De S OF UTIL ential ration Project SO2 (to) RMATION	4,858 102,012 ct ns/yr) 130 108 0	Direct Use CO2 (tons/yr) 14,628 12,006 8,073	ent Project SO2 (tors	sh 0 0 133 70 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tol CO2 Equivalent of CH- Emissions Avoided by I	ns/yr): 4 Reduction (tons Fossil Fuel Displa Na James Coble, Pu PO Box 190	D. ENVI s/yr): cacement: Coal: Fuel Oil: tural Gas: Landfill	Electricity Gene CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFOR	r Co; Pee De S OF UTIL ential ration Project SO2 (to) RMATION James PO B	4,858 102,012 ct ns/yr) 130 108 0	Direct Use CO2 (tons/yr) 14,628 12,006 8,073	ent Project SO2 (tors	() () () () ()
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tot CO2 Equivalent of CH- Emissions Avoided by I	ns/yr): 4 Reduction (tons Fossil Fuel Displa Na	D. ENVI s/yr): cacement: Coal: Fuel Oil: tural Gas: Landfill	Electricity Gene CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFOR	r Co; Pee De S OF UTIL ential ration Project SO2 (to) RMATION James PO B	4,858 102,012 et ns/yr) 130 108 0	Direct Use CO2 (tons/yr) 14,628 12,006 8,073	ent Project SO2 (tors	sh 0 0 133 70 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (10) CO2 Equivalent of CH4 Emissions Avoided by H Contact Name: Mailing Address: Phone Number:	ns/yr): 4 Reduction (tons Fossil Fuel Displa Na James Coble, Pu PO Box 190	D. ENVI s/yr): cacement: Coal: Fuel Oil: tural Gas: Landfill	Electricity Gene CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFOR	r Co; Pee De S OF UTIL ential ration Project SO2 (to) RMATION James PO B	4,858 102,012 ct ns/yr) 130 108 0	Direct Use CO2 (tons/yr) 14,628 12,006 8,073	ent Project SO2 (tors	sh 0 0 133 70 0
Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tol CO2 Equivalent of CH4 Emissions Avoided by I	ns/yr): 4 Reduction (tons Fossil Fuel Displa Na James Coble, Pu PO Box 190 704-982-0131	D. ENVI s/yr): Coal: Fuel Oil: tural Gas: Landfill ablic Works Di	Electricity Gene CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFOR	r Co; Pee De S OF UTIL ential ration Project SO2 (to) RMATION James PO B	4,858 102,012 ct ns/yr) 130 108 0	Direct Use CO2 (tons/yr) 14,628 12,006 8,073	ent Project SO2 (tors	sh 0 0 133 70 0

City of Durham LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION 206,575 Landfill Owner: Annual Acceptance Rate (tons): Landfill Owner Type: **Public** Year Annual Acceptance Rate Reported: 1993 Alternative Landfill Name: Durham Township LF Design Capacity (tons): City: **Durham City** Acres Currently Landfilled (acres): Durham Average Depth (feet): County: State: NC Waste-in-Place (tons): 4,957,416 Year Open: 1973 1998 Waste-in-Place (tons): 4,957,416 Year Closed: 1996 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.69 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION **Current Utilization:** Unknown **Utilization System Status: Utilization System Type:** Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Capacity: 5 53 Estimated Potential Capacity: Current Capacity: Planned Capacity: **Utilities in County:** Duke Power Co; Piedmont Electric Member Corp; Southeastern Power Admin; Wake Electric Memb D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current 9,748 0 Methane Reduction (tons/yr): 204,700 0 CO2 Equivalent of CH4 Reduction (tons/yr): Electricity Generation Project Direct Use Project Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) 41,832 264 29,354 Coal: 34,334 221 24,092 140 Fuel Oil: Natural Gas: 23,086 0 0 16,200 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: . Nancy Newell Tom Bastable 101 City Hall Plaza Mailing Address: 101 City Hall Plaza Phone Number: 919-560-4185 919-560-4185 Fax Number: December 5, 1998 State: NC 10 * Itallicized indicates values estimated by EPA. Page:



;			City of Greensbor	o LF		Landfill	Category:	Current
	NO.	A. G	ENERAL LANDFILL IN	FORMAT	ION .			
Landfill Owner:	City of C	Greensboro	An	nual Accep	tance Rate (tons):		285,068
Landfill Owner Type:	Public		Ye	ar Annual	Acceptance F	Rate Reported:		1993
Alternative Landfill Name:	:		De	sign Capac	ity (tons):			
City:	Greensb	oro	Ac	res Current	ly Landfilled	l (acres):		272
County:	Guilford	l	Av	erage Dept	h (feet):			85
State:	NC		Wa	aste-in-Plac	e (tons):		7	7,616,175
Year Open:	1972		199	98 Waste-ir	-Place (tons	·):	8	3,225,469
Year Closed:	2013							
	\$ (\$\frac{1}{2}\)	- 1	B. LANDFILL GAS COL	LECTION	I			
Estimated Methane Genera	ation (mmscf/	(d):		2.52				
LFG Collection System Sta	atus:							
Current LFG Collected (mr	mscf/d):							
Collection and Treatment S	System Requ			Yes				
			C. LANDFILL GAS UTI	LIZATIO	N .			27112
Current Utilization:								
Utilization System Sta	itus:	Operational						
Utilization System Ty	pe:	Medium Btu						
Utilization System Sta	art Year:	1997						
Electric Utility Provid		Duke Energy	1					
Natural Gas Provider(s):	Piedmont Na	ntural Gas					
Energy Purchaser(s):								
Capacity:		Electrici	ty Generation Project (MW	/) (OR	Direct Use Project (mmBtu/hr)	
Estimated Potential C	apacity:			8				79
Current Capacity:								
Planned Capacity:								
Utilities in County:		Davidson El	ectric Member Corp; Duke	Power Co;	High Point	Electric Dept; Southe	astern Powe	er Adm
		D. ENVII	OMENTAL BENEFITS	OF UTIL	ZATION			
<u> </u>			Poter	ıtial		C	urrent	
Methane Reduction (tons/y)	r):				14,580			0
CO2 Equivalent of CH4 Re		s/yr):			306,188			0
Emissions Avoided by Foss	il Fuel Displ	acement:	Electricity Genera	=	t t		se Project	
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2	(tons/yr)
		Coal:	62,353		394	43,907		400
		Fuel Oil:	51,176		329	36,037		210
	Na	tural Gas:	34,412		0	24,232		0
		366.85	E. CONTACT INFORM	MATION.		Section 1		
		Landfill (Landfill Operator		<u></u>
Contact Name: Fran	nk Coggins			Frank	Coggins			
	Box 3136			1	White Street			
Phone Number: 910	-373-2035			336-3	75-2244			
Fax Number:								
rax inumuci.		 .						
Itallicized indicates values	s estimated b	y EPA.	Decer	mber 5, 199	8	State: NC	Page:	11

Landfill Owner Type:				City of High Po			Landfill Cate	gory: Candidate
Landfill Owner Type: Public Design Capacity (cnos): Alternative Landfill Name: Design Capacity (cnos): City: High Point Acres Currently Landfilled (acres): County: Guilford Average Depth (feet): State: NC Waste-in-Place (cnos): 1,256 Year Open: 1980 1998 Waste-in-Place (cnos): 1,256 Year Closed: 1994 B: LANDFILL GAS COLLECTION: Estimated Methane Generation (munsefd): 0,74 LFG Collection System Status: Current LFG Collected (munsefd): No Collection and Treatment System Required Under NSPS/EG: No CUrrent Utilization Utilization System Status: Unknown Utilization Syst	.s.(*\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		A. G	ENERAL LANDFILL	INFORMAT	ION	X 17 17 17 17 17 17 17 17 17 17 17 17 17	
Alternative Landfill Name	Landfill Owner:	City of	High Point	1	Annual Accep	tance Rate (to	ons):	83,751
City: High Point Acres Currently Landfilled (acres): County: Guilford Average Depth (feet): State: NC Waste-in-Place (tons): 1,256 Year Open: 1980 1998 Waste-in-Place (tons): 1,256 Year Closed: 1994 B. L'ANDFILL, GAS COLLECTION Estimated Methane Generation (mmscfd): 0,74 LEG Collection System Status: Current LPG Collection System Status: Unknown Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Type: Unknown Utilization System Type: Unknown Utilization System Statu Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: 2 Landfill Operator D. ENVIROMENTAL BENEFITS OF UTILIZATION Current Capacity: CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: 18,153 115 12,872 Emissions Avoided by Fossil Fuel Displacement: Coal: 14,899 96 10,3655 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Maiting Address: PO Box 230	Landfill Owner Type	: Public		•	Year Annual A	Acceptance R	ate Reported:	1993
County: Guilford Average Depth (Feet): State: NC Waste-in-Place (tons): 1,256 Year Open: 1980 1998 Waste-in-Place (tons): 1,256 Year Closed: 1994 B. LANDFILL GAS COLLECTION: 1,256 Year Closed: 1994 B. LANDFILL GAS COLLECTION: 1,256 B. LANDFILL GAS COLLECTION: 1,256 B. LANDFILL GAS COLLECTION: 1,256 Collection System States: 1,256 Collection and Treatment System Required Under NSPS/EG: No Current Utilization: Unknown Utilization System Status: Unknown Utilization Utilization Utilization Utilization System Status: Unknown Utilization Utiliza	Alternative Landfill N	Name:		I	Design Capaci	ity (tons):		
State: NC Waste-in-Place (tons): 1,256 Year Open: 1980 1998 Waste-in-Place (tons): 1,256 Year Closed: 1994 B. LANDFILL (GAS COLLECTION:	City:	High P	oint	1	Acres Current	ly Landfilled	(acres):	
Year Open: 1980	County:	Guilfo	rd	,	Average Depti	h (feet):		
Stimated Methane Generation (mnscftd): Life Collection System Status: Current LFG Collection and Treatment System Required Under NSPS/EG: No CLANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Utilization System	State:	NC		,	Waste-in-Plac	e (tons):		1,256,265
Stimated Methane Generation (minscfd): 0.74 Collection System Status: 0.74 Collection System Status: 0.74 Collection System Status: 0.74 Collection and Treatment System Required Under NSPS/EG: No Collection and Treatment System Required Under NSPS/EG: No Collection and Treatment System Required Under NSPS/EG: No Collection and Treatment System Status: Unknown Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Status Utilization System Status Utilization System Status Utilization System Status Utilization Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 2 Capacity: Utilization Capacity: Utilization Cunty: Davidson Electric Member Corp. Duke Power Co. High Point Electric Dept: Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Current 4,274 Corporation Corporation Project Corporation	Year Open:	1980			1998 Waste-in	-Place (tons)	:	1,256,265
Estimated Methane Generation (mmscf/d): LFG Collection System Status: Collection and Treatment System Required Under NSPS/EIG: No C LANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Status: Electric Utility Provider(s): Energy Purchaser(s): Capacity: Eastimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Ac D. IENVIROMENTAL BENEETIS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Coat: Emissions Avoided by Fossil Fuel Displacement: Coat: Coat: Landfill Owner Landfill Owner Landfill Owner Landfill Owner Landfill Owner Landfill Owner Contact Name: Perry Kairis Mething Address: PO Box 230	-	1994				, ,		
LFG Collection System Status: Current LFG Collection furnerf(d): Collection and Treatment System Required Under NSPS/EG: No CLANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Statu Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) Current Capacity: Planned Copacity: Planned Copacity: Utilities in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Activation County: Discontinuation of Control of				B. LANDFILL GAS CO	LLECTION			
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): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) Estimated Potential Capacity: Utilities in County: Davidson Electric Member Corp: Duke Power Co; High Point Electric Dept; Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Co2 (tons/yr) Co3: 18.153 115 12.872 Fuel Oil: 14.899 96 10.565 Natural Gas: 10.019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230	Estimated Methane G	eneration (mmsc	cf/d):		0.74			
Current Utilization: Utilization System Status: Utilization System Start Year: Electric Utility Provider(s): Energy Purchaser(s): Capacity: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Direct Use Project (mostyr) Coal: Fuel Oil: Natural Gas: Denote the Reduction of Coal: Fuel Oil: Natural Gas: Denote the Reduction of Coal: Fuel Oil: Natural Gas: Denote the Point Electric Dept; Southeastern Power Act D. Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Endisting Address: PO Box 230 PO Box 230	LFG Collection Syste	m Status:					•	
Current Utilization: Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Statu Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Estimated Potential Capacity: Qurrent Capacity: Planned Capacity: Utilities in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D.ENVIROMENTAL BENEETTS OF UTILIZATION Potential Current Methane Reduction (tons/yr): Methane Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Co2 (tons/yr) SO2 (tons/yr) Co3 (tons/yr) SO2 (tons/yr) Fuel Oil: Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230	Current LFG Collecte	ed (mmscf/d):						
Current Utilization: Utilization System Status: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilizies in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Co2 (tons/yr) Enlissions Avoided by Fossil Fuel Displacement: Co2 (tons/yr) Co3: 18.153 115 12.872 Fuel Oil: 14.899 96 10.565 Natural Gas: 10.019 0 7.104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Petry Kairis Mailing Address: PO Box 230	Collection and Treatn	nent System Req	uired Under NSI	PS/EG:	No			
Utilization System Status: Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D.ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Co2 (tons/yr) SO2 (tons/yr) Co2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Co3 (tons/yr) SO2 (tons/yr) Co4: 18.153 115 12.872 Fuel Oil: 14.899 96 10.565 Natural Gas: 10.019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230				C. LANDFILL GAS U	TILIZATION	1		
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: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current 4,274 4,274 4,274 4,274 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 Equivalent of CH4 Reduction (tons/yr) Coal: 18,153 115 12,872 Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230 Link Syria Garage State Stat	Current Utilization:							
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: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D.ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): Potential A,274 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) SO2 (tons/yr) Coal: 18.153 115 12,872 Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230	Utilization Syste	m Status:	Unknown					
Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Planned Capacity: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Activation of County: Dienviromental Benefits of Utilization Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) SO2 (tons/yr) Coal: 18,153 115 12,872 Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis PO Box 230 PO Box 230	Utilization Syste	m Type:	Unknown					
Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Active County: DENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO8 (tons/yr) CO8 (tons/yr) CO9 (tons/yr) CO9 (tons/yr) CO1 (tons/yr) CO1 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO8 (tons/yr) CO8 (tons/yr) CO9 (tons/yr) CO9 (tons/yr) CO9 (tons/yr) CO9 (tons/yr) CO9 (tons/yr) CO1 (tons/yr) CO1 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO8 (tons/yr) CO9	Utilization Syste	m Start Year:						
Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 2 Current Capacity: Planned Capacity: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 4,274 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 18.153 115 12.872 Fuel Oil: 14.899 96 10.565 Natural Gas: 10.019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230	Electric Utility P	Provider(s):			•			
Electricity Generation Project (MW) Estimated Potential Capacity: Current Capacity: Planned Capacity: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Active Deption of Control of Current Displacement: Potential Current	Natural Gas Prov	vider(s):						
Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Active Details of Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Co2 (tons/yr) Co3 (tons/yr) Co4: 18.153 115 12.872 Fuel Oil: 14.899 96 10.565 Natural Gas: 10.019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230	Energy Purchase	er(s):						
Current Capacity: Planned Capacity: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Potential Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230	Capacity:		Electrici	ty Generation Project (M	(W)	OR	Direct Use Project (mm	Btu/hr)
Current Capacity: Planned Capacity: Utilities in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Potential Current Methane Reduction (tons/yr): 4,274 89,762 Emissions Avoided by Fossil Fuel Displacement: CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Owner Landfill Operator Contact Name: Perry Kairis PO Box 230	Estimated Poten	tial Capacity:			2			23
Planned Capacity: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Act D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Potential Current 4,274 89,762 Emissions Avoided by Fossil Fuel Displacement: Coal: 18,153 115 12,872 Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230		• •						
D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential A,274 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: 18,153 115 12,872 Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis PO Box 230 Current Current A,274 Courrent A,								
Methane Reduction (tons/yr): Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis PO Box 230 PO Box 230	Utilities in County:		Davidson El	ectric Member Corp; Du	ke Power Co;	High Point E	Electric Dept; Southeaste	ern Power Adm
Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) CO3 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) CO4 (tons/yr) SO2 (tons/yr) SO3		an dia	D. ENVII	ROMENTAL BENEFI	S OF UTILI	ZATION		······································
CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) SO5 (tons/yr) CO5 (tons/yr) SO5 (tons/yr) CO5 (tons/yr) SO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) SO2 (tons/yr) CO7 (tons/yr) CO8 (tons/yr) CO8 (tons/yr) CO9				Po	tential		Curre	nt
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/y	Methane Reduction (t	ons/yr):				4,274		0
Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/y		•	ns/vr):					0
CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr							***	
Coal: 18,153 115 12,872 Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis John Butcher Mailing Address: PO Box 230 PO Box 230	Emissions Avoided by	Fossil Fuel Disp	placement:		•	1		-
Fuel Oil: 14,899 96 10,565 Natural Gas: 10,019 0 7,104 E. CONFACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis Mailing Address: PO Box 230 PO Box 230				CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Natural Gas: 10,019 0 7,104 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis John Butcher Mailing Address: PO Box 230 PO Box 230			Coal:	18,153		115	12,872	117
E. CONFACT INFORMATION Landfill Owner Landfill Operator Contact Name: Perry Kairis John Butcher Mailing Address: PO Box 230 PO Box 230			Fuel Oil:	14,899		96	10,565	62
Landfill Owner Landfill Operator Contact Name: Perry Kairis John Butcher Mailing Address: PO Box 230 PO Box 230		٨	latural Gas:	10,019		0	7,104	0
Landfill Owner Landfill Operator Contact Name: Perry Kairis John Butcher Mailing Address: PO Box 230 PO Box 230		Section 1		E. CONTACT INFO	RMATION			
Mailing Address: PO Box 230 PO Box 230			Landfill	Owner				
	Contact Name:	Perry Kairis			John 1	Butcher		
	Mailing Address:	PO Box 230			PO B	ox 230		
								•
Phone Number: 910-883-3215 919-883-3433	Phone Number:	910-883-3215			919-8	83-3433		
Fax Number:	Fax Number:							
Itallicized indicates values estimated by EPA. December 5, 1998 State: NC Page:								Page: 12

			City of Winston-Sa			Lanajili Cat	egory: Current
1971 SER		A. G	ENERAL LANDFILL I	NFORMA?	TION		
Landfill Owner:			A	nnual Acce	otance Rate	(tons):	258,632
Landfill Owner Type	: Public		Y	ear Annual	Acceptance`	Rate Reported:	1993
Alternative Landfill			. D	esign Capac	city (tons):		
City:	Winsto	n-Salem	A	cres Curren	tly Landfille	ed (acres):	
County:	Forsyth	1	A	verage Dep	th (feet):		
State:	NC		W	aste-in-Plac	ce (tons):		5,258,571
Year Open:	1974		19	998 Waste-i	n-Place (ton	s):	5,715,838
Year Closed:	1999						
		70	B. LANDFILL GAS CO	LLECTIO	V		
Estimated Methane C	Generation (mmsc	f/d):		1.88			
LFG Collection Syste	•	,	Оре	rational			
Current LFG Collecte			•	2.8			
Collection and Treatr		uired Under NSI	PS/EG:	No			
			C. LANDFILL GAS UT	ILIZATIO	N .		
Current Utilization:	10 Marie -						4-1-1-1
Utilization Syste	em Status:	Operational					
Utilization Syste		Gas Turbine	•				
Utilization Syste		1996	•				
Electric Utility F							
Natural Gas Pro							
Energy Purchase	* *						
Energy i dienase	.1(3).						
Capacity:		Electrici	ty Generation Project (MV	V)	OR	Direct Use Project (mn	nBtu/hr)
Estimated Poten	tial Capacity:			6			59
Current Capacity	-			4.3			58
Planned Capacit							
	-						
Utilities in County:			ectric Member Corp; Duk		-	kin Elec Member Corp; T	
		D. ENVII	ROMENTAL BENEFIT:	S OF UTIL	IZATION		
			Pote	ential		Curre	ent
Methane Reduction (1	tons/yr):				10,869		10,792
CO2 Equivalent of Ci	• •	ns/yr):			228,253		226,638
<u> </u>							
Emissions Avoided by	y Fossil Fuel Disp	olacement:	Electricity Gener	-		Direct Use I	-
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	46,567		294	32,731	298
		Fuel Oil:	38,220		246	26,864	157
	2.7						
		atural Gas:	25,700		0	18,064	0
* * * * * * * * * * * * * * * * * * * *			E. CONTACT INFOR	MATION			\$
		Landfill	Owner			Landfill Operator	
Contact Name:	Dan Miles			Dan	Miles		
Mailing Address:	PO Box 2511			PO B	ox 2511		
	10 Box 2511			.01			
Phone Number:	010 727 0410			010	707 0410		
i none ivulloci.	910-727-8418			919-	727-8418		
Fax Number:				}			
* Italliai=ad in 3:	values estimated	hy EDA	D	ember 5, 199) Q	State: NC	Daga: 12
* Itallicized indicates	vaiues esiimaiea	UY EI A.	Dece	anoci 5, 19:	70	State. INC	Page: 13

			Cleveland Cour				Landfill Category:	Candidate
		A. G	ENERAL LANDFILL	INFORMAT	ION		ä(188)	
Landfill Owner:	Clevela	and County	I	Annual Accep	tance Rate	(tons):		65,879
Landfill Owner Type:	Public		•	Year Annual A	Acceptance	Rate Reporte	d:	1993
Alternative Landfill Na	me:		I	Design Capaci	ity (tons):			
City:	Shelby		A	Acres Current	ly Landfille	ed (acres):		
County:	Clevela	and	A	Average Depti	h (feet):			
State:	NC		,	Waste-in-Plac	e (tons):			1,431,213
Year Open:	1976		j	1998 Waste-in	-Place (ton	s):		1,567,519
Year Closed:	2017							
		1	. LANDFILL GAS CO	DLLECTION			C,	
Estimated Methane Ge	neration (mmsc	f/d)·		0.82				
LFG Collection System		,,,.		0.02				
Current LFG Collected								
Collection and Treatme		uired Under NSP	S/EG:	No				
\$2.5 S			C. LANDFILL GAS UT		V			
Current Utilization:								
Utilization System	Status	Unknown						
Utilization System		Unknown						
Utilization System		2						
Electric Utility Pro								
Natural Gas Provi								
Energy Purchaser(
	•							
Capacity:		Electricit	y Generation Project (M	(W) (OR .	Direct Use	Project (mmBtu/h	r)
Estimated Potentic	al Capacity:			3				26
Current Capacity:			•					
Planned Capacity:								
Utilities in County:		Broad River	Elec Coop Inc; Duke Po	wer Co; King	s Mountain	Muni Elec S	ystem; Rutherford	Elec Me
		D. ENVIR	OMENTAL BENEFIT	rs of utili	ZATION	T. 44		
			Poi	tential			Current	
Methane Reduction (to	ıs/yr):				4,735			0
CO2 Equivalent of CH4	Reduction (tor	ıs/yr):			99,429			0
		-		 		<u> </u>		
Emissions Avoided by I	Fossil Fuel Disp	olacement:	Electricity Gene	•		1	Direct Use Projec	
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (1	tons/yr) SC	2 (tons/yr)
		Coal:	20,521		130		14,258	130
		Fuel Oil:	16,843		108		11,702	68
	N	atural Gas:	11,325		0		7,869	0
ia. e e e			E. CONTACT INFO	DMATION :				
		Landfill (RWATION		Landfill (Operator	
Contact Name:	Marty Allen			Iames	McNeilly		-	
	•			ł	•			
Mailing Address:	PO Box 1210			PO B	ox 1210			
Phone Number:	704-482-9061			704-4	82-9061			
Fax Number:								
* Itallicized indicates va	lues estimated	by EPA.	Dec	cember 5, 199	8	State	e: NC Page	: 14

A. GENERAL LANDFILL INFORMATION					Landfill Ca	tegory: Candidate	
				NFURMAT	IUN		
Landfill Owner:		ers Waste Syste		nnual Accep			88,447
Landfill Owner Type:	Private				-	Rate Reported:	1993
Alternative Landfill Na		ous County LF		Design Capac			
City:	Whitev			cres Current	-	ed (acres):	
County:	Columb	ous		verage Dept			
State:	NC			Vaste-in-Plac			. 1,285,344
Year Open:	1973		1	998 Waste-in	ı-Place (ton	s):	1,285,344
Year Closed:	1996	Ne	B, LANDFILL GAS CO	LECTION	I		
Estimated Mathematica		dia	D. 121. 122 D. O. 10. CO	0.75	· ///// A. * * 1.80 ; 50		
Estimated Methane Ger LFG Collection System	-	(/a):		0.73			
Current LFG Collected							
Collection and Treatme	-	iirad Undar NCI	DS/EC:	No			
Conection and Treatme	ant System Keqt		C. LANDFILL GAS UT		V (2. 50 %) 3		
Current Utilization:		374 5			2.20.11		and the same of th
Utilization System	Status:	Unknown					
Utilization System		Unknown					
Utilization System							
Electric Utility Pro							
Natural Gas Providence							
Energy Purchaser(* *						
Capacity:		Electric	ty Generation Project (M	W) (OR	Direct Use Project (mi	nBtu/hr)
Estimated Potentia	al Capacity:		•	2			23
Current Capacity:	. ,						
Planned Capacity:							
Utilities in County:		Brunswick I	Electric Member Corp; Ca	ırolina Powei	& Light C	ompany; Four County El	ec Member Cor
		D. ENVI	ROMENTAL BENEFIT	S OF UTIL	ZATION		
		<u> </u>	Pot	ential	<u> </u>	Сигт	ent
Methane Reduction (tor	ns/yr):				4,317		0
CO2 Equivalent of CH4	A Reduction (tor	ıs/yr):			90,665		0
Emissions Avoided by F	Cossil Fuel Disc	la com enti	Electricity Gene	nation Droise		Dinast Usa	Project
Emissions Avoided by F	ossii ruei Disp	пасетепі:	CO2 (tons/yr)	SO2 (to		Direct Use CO2 (tons/yr)	SO2 (tons/yr)
				302 (10)			•
		Coal:	18,153		115	13,001	118
		Fuel Oil:	14,899		96	10,671	62
	N	atural Gas:	10,019		0	7,175	0
	7,5		E. CONTACT INFOR	RMATION			
		Landfill	Owner			Landfill Operator	
Contact Name:	Wade Jernigan			Wade	Jernigan		
Mailing Address:	PO Box 297			РО В	ox 1326		
Phone Number:	910-642-6099			919-6	42-6099		
Fax Number:							
* Itallicized indicates values estimated by EPA.			Dec	December 5, 1998			Page: 15

STAR Version 1.0 / LMOP

		Craven County	/ LF		Landfill Cate	gory: Candidate
	A. G	ENERAL LANDFILL I	NFORMAT	ION		
Landfill Owner:	Craven County	A	nnual Accep	tance Rate (tons):	19,659
Landfill Owner Type:		Y	ear Annual A	Acceptance I	Rate Reported:	1993
Alternative Landfill Name:		D	esign Capac	ity (tons):		
City:		A	cres Current	ly Landfilled	d (acres):	
County:	Craven	A	verage Dept	h (feet):		
State:	NC	W	/aste-in-Plac	e (tons):		985,028
Year Open:	1982	19	998 Waste-in	-Place (tons	·):	1,116,365
Year Closed:	2012					
<u> </u>]	B. LANDFILL GAS CO	LLECTION	I		
Estimated Methane Generation	(mmscf/d):		0.70			
LFG Collection System Status:			·			
Current LFG Collected (mmscf/	/d):		•			
Collection and Treatment Syste			No			
	l de la companya de	C. LANDFILL GAS UT	ILIZATION	V		
Current Utilization:						
Utilization System Status:	Unknown					
Utilization System Type:	Unknown					
Utilization System Start Ye	ear:					
Electric Utility Provider(s)	:					
Natural Gas Provider(s):					•	
Energy Purchaser(s):						
Capacity:	Electrici	ty Generation Project (MV	w) (OR	Direct Use Project (mm	Btu/hr)
Estimated Potential Capac	ity:		2			22
Current Capacity:						
Planned Capacity:						
Utilities in County:	Carolina Pov	wer & Light Company; Ca	arteret-Crave	n El Membe	er Corp; Jones-Onslow Ele	ec Member C
	D. ENVII	ROMENTAL BENEFIT:	S OF UTILI	IZATION		
		Pote	ential		Curre	nt
Methane Reduction (tons/yr):				4,068		0
CO2 Equivalent of CH4 Reduct	ion (tons/yr):			85,418		0
F	ID'				D:	
Emissions Avoided by Fossil Fu	ei Dispiacement:	Electricity Gener	•		Direct Use F	•
		CO2 (tons/yr)	SO2 (to	is/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	17,364		110	12,249	112
	Fuel Oil:	14,252		92	10,053	59
	Natural Gas:	9,583		0	6,760	0
		E. CONTACT INFOR	MATION			h. b
-	Landfill (Landfill Operator	Area Sayan and Area and Area
Contact Name: Kenneth	Chase		Georg	ge Sawyer		
Mailing Address: PO Box	1425		PO B	ox 1425		
- I	stration Building			nistration Bu	ıilding	
Phone Number: 919-633	_			36-6600		
	33 22		717-0	20 0000		
Fax Number:						
* Itallicized indicates values esti	mated by EPA.	Dece	ember 5, 199	8	State: NC	Page: 16

	······································		Cumberland Cou	nty LF		Landfill Ca	tegory:	Current
		A. G	ENERAL LANDFILL I	NFORMAT	TION 🐰			die C
Landfill Owner:			А	nnual Acce	otance Rate ((tons):		178,480
Landfill Owner Type:	Public		Y	ear Annual	Acceptance	Rate Reported:		1993
Alternative Landfill N	ame:		D	esign Capac	ity (tons):			
City:	Fayettev	rille	А	cres Curren	ly Landfille	d (acres):		
County:	Cumberl	land	A	verage Dept	h (feet):			
State:	NC		V	/aste-in-Plac	e (tons):			2,948,331
Year Open:	1980		1	998 Waste-ii	n-Place (ton.	s):		3,295,195
Year Closed:	2032							
	* 2.7		B. LANDFILL GAS CO	LLECTION	1			<u> </u>
Estimated Methane Ge	eneration (mmscf/	(d):		1.26				
LFG Collection System	n Status:							
Current LFG Collected	d (mmscf/d):			1.8				
Collection and Treatm	ent System Requi	ired Under NSI	PS/EG:	No				
			C. LANDFILL GAS UT	ILIZATIO	V (1)			
Current Utilization:								
Utilization Syster	n Status:	Operational						
Utilization Syster	n Type:	Boiler						
Utilization Syster	n Start Year:	1997					•	
Electric Utility Pr	rovider(s):							•
Natural Gas Provi	ider(s):							
Energy Purchaser	r(s):	Cargill Incom	rporated					
Capacity:		Electrici	ty Generation Project (M'	W)	OR	Direct Use Project (m	mBtu/hr)
Estimated Potenti	ial Capacity:			4				39
Current Capacity:				•				38
Planned Capacity								30
	·				-			
Utilities in County:		Carolina Po	wer & Light Company; Fa	yetteville P	ıb Wks Con	ım; Lumbee River Elec	Membei	· Corp; §
		D. ENVII	ROMENTAL BENEFIT	S OF UTIL	IZATION			
			Pote	ential		Cur	rent	
Methane Reduction (to	ons/yr):				7,290			6,938
CO2 Equivalent of CH	4 Reduction (tons	s/yr):			153,080			145,696
Emissions Avoided by	Fossil Fuel Displ	acement:	Electricity Gene			Direct Use	•	
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	so	2 (tons/yr)
		Coal:	30,782		195	21,952		200
		Fuel Oil:	25,264		163	18,017		105
	Na	tural Gas:	16,988		0	12,115		0
- ANK				A CAMPANI			C 030 3	
	3 5 5	Landfill	E. CONTACT INFOR	MATION	N Gara	Landellonanta		
C		Landinii	Jwher	·		Landfill Operator		
Contact Name:	Larry Carter			Larry	Carter			
Mailing Address:	698 Ann Street			698 A	Ann Street			
Phone Number:	010 402 4007			010	102 4007			
	910-483-4897			919-2	183-4897			
Fax Number:								
* Itallicized indicates v	alues estimated b	y EPA.	Dec	ember 5, 199	98	State: NC	Page:	17
STAD Vons	ion 1.0 / LMOP	-					Ŭ	
STAR STAR VEIS	ION 1.07 LIVIOF							

			Edgecombe Cou		WOX!	Landfill Category	Candidate
		A. G	ENERAL LANDFILL	INFORMAT	ION		
Landfill Owner:	Edgeco	ombe County	A	Annual Accep	tance Rate	(tons):	73,759
Landfill Owner Type					-	Rate Reported:	1993
Alternative Landfill	Name:		Ι	Design Capac	ity (tons):		
City:	Tarbor	0	A	Acres Current	ly Landfille	ed (acres):	
County:	Edgeco	ombe		Average Dept			
State:	NC		V	Vaste-in-Plac	e (tons):		1,870,499
Year Open:	1971		1	998 Waste-ir	r-Place (ton	as):	2,014,384
Year Closed:	2007						
			B. LANDFILL GAS CO	LLECTION	1		
Estimated Methane (Generation (mmsc	:f/d):		0.93			
LFG Collection System	em Status:						
Current LFG Collect	ed (mmscf/d):						
Collection and Treat	ment System Req	uired Under NSI	PS/EG:	No			
			C. LANDFILL GAS UT	ILIZATION	١		
Current Utilization:							······································
Utilization Syste	em Status:	Unknown					
Utilization System		Unknown					
Utilization Syste		Cikilowii					
Electric Utility I							
Natural Gas Pro							
Energy Purchase	* *						
Capacity:		Electrici	ty Generation Project (M	W) (OR	Direct Use Project (mmBtu/h	r)
Estimated Poten	tial Capacity:			3			29
Current Capacit	y:						
Planned Capacit	y:						
Utilities in County:		Carolina Pov	wer & Light Company; E	dgecombe-M	artin Count	y EMC; Macclesfield Elec Dep	t; Pineto
2004	A	D. ENVI	ROMENTAL BENEFIT	S OF UTIL	ZATION	16.54.8 A	
			Pot	ential		Current	
Methane Reduction (tons/yr):				5,396		0
CO2 Equivalent of C	•	ns/yr):			113,306		0
	-						
Emissions Avoided by	y Fossil Fuel Disp	olacement:	Electricity Gene	-		Direct Use Projec	
			CO2 (tons/yr)	SO2 (to	ıs/yr)	CO2 (tons/yr) SC	02 (tons/yr)
		Coal:	22,889		145	16,248	148
		Fuel Oil:	18,786		121	13,335	78
	N	atural Gas:	12,632		0	8,967	0
			E. CONTACT INFOR	RMATION			
		Landfill (Owner			Landfill Operator	
Contact Name:	Larry Hathawa	ıy		Larry	Hathaway		
Mailing Address:	201 St. Andrew	vs Street			t. Andrews	Street	
maning routess.	201 St. Allulev	10 DUCCI		2013	Alluitws	onec	
Dhana Number	1010						
Phone Number:	919-827-4253			919-8	27-4253		
Fax Number:							
	!		_				
* Itallicized indicates	values estimated	by EPA.	Dec	ember 5, 199	8	State: NC Page	: 18

			Gaston Count	-		Landfill Cates	gory: Candidate
		A. G	ENERAL LANDFILL	INFORMAT	TON		
Landfill Owner:	Gaston	County	A	Annual Accep	tance Rate	(tons):	130,097
Landfill Owner Type:	Public		٠ ٢	ear Annual A	Acceptance	Rate Reported:	1993
Alternative Landfill N	ame: Hardin	Site	Ι	Design Capac	ity (tons):		
City:	Dallas		A	Acres Current	ly Landfille	ed (acres):	
County:	Gaston		A	verage Dept	h (feet):		
State:	NC		V	Vaste-in-Plac	e (tons):		1,634,226
Year Open:	1986		1	998 Waste-in	-Place (ton	s):	1,931,358
Year Closed:	2004						
]	3. LANDFILL GAS CO	LLECTION			
Estimated Methane Ge	neration (mmsc	f/d):		0.91			
LFG Collection System	n Status:						
Current LFG Collected	l (mmscf/d):						
Collection and Treatme	ent System Requ	uired Under NSF	PS/EG:	No			
			C. LANDFILL GAS UT	ILIZATION	N .		
Current Utilization:							
Utilization System	n Status:	Unknown					
Utilization System		Unknown					
Utilization System			•				
Electric Utility Pr	ovider(s):					•	
Natural Gas Provi	der(s):						
Energy Purchaser	(s):						
a		731		111)	n n	D: . W D : . / D	
Capacity:		Electrici	ty Generation Project (M	w) (OR T	Direct Use Project (mmE	stu/nr)
Estimated Potenti				3			29
Current Capacity:							
Planned Capacity					-		
Utilities in County:		Cherryville I	Electric Dept; Crescent E	lec Mem Cor	p; Dallas E	lectric Dept; Duke Power C	o; Gastonia
		<u> </u>	OMENTAL BENEFIT				A N. S. C. S.
		2.0.,11			2.1110.1	<u> </u>	
			Pol	ential	5 072	. Curren	1
Methane Reduction (to	•				5,273 110,727		0
CO2 Equivalent of CH	4 Keauciion (ioi	is/yr):			110,727		0
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Gene	ration Projec	et —	Direct Use Pr	oject ———
•	•		CO2 (tons/yr)	SO2 (to		CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	22,100		140	15,878	145
		Fuel Oil:	18,139		117	13,032	7 6
	N	atural Gas:	12,197		0	8,763	0
	G illa)	E. CONTACT INFO	RMATION			<u></u>
		Landfill (Owner			Landfill Operator	
Contact Name:	William Beasle	<u></u>		Willia	ım Beasley		
Mailing Address:	PO Box 1578				ox 1578		1
Mailing Addiess.	10 000 13/0			100	UA 13/0		
Phone Number	# 0.4.044.555				<< 0.100		
Phone Number:	704-866-3100			704-8	66-3100		
Fax Number:							ļ
Inalliais - Jim P	-l	L., EDA	D	ombor 5, 100	.0	Ctata: NO 1	2000
'tallicized indicates ve	aiues estimated	DY EPA.	Dec	ember 5, 199	0	State: NC I	Page: 19

			Henderson	County LF		Landfill Ca	tegory: Current
	¥ /	A. G	ENERAL LANDFI	LL INFORM	MATION		
Landfill Owner:	Henderson County			Annual A	cceptance Rate	(tons):	73,008
Landfill Owner Type:	Public			Year Annual Acceptance Rate Reported:			1998
Alternative Landfill Name:	Hende	rson County, Sto	ny Mountain SLF	Design C	apacity (tons):		
City:	Hende	rsonville		Acres Cu	rrently Landfill	ed (acres):	60
County:	Hende	Henderson			Depth (feet):		100
State:	NC			1998 Wa	ste-in-Place (to	ons):	2,100,000
Year Open:	1965			1998 Was	te-in-Place (to	ns):	2,100,000
Year Closed:	1997						
			B. LANDFILL GAS	COLLECT	ION		100
Estimated Methane Generate	ion (mmsc	:f/d):		0.90	ı		
LFG Collection System State	us:			Operational			
Current LFG Collected (mm	scf/d):			0.3			
Collection and Treatment Sy	stem Req	uired Under NSI	PS/EG:	No)		
			C. LANDFILL GAS	S UTILIZAT	ION		7 No. 10 10 10 10 10 10 10 10 10 10 10 10 10
Current Utilization:							
Utilization System State	us:	Operational					
Utilization System Typ	e:	Boiler					
Utilization System Star		1997			٠		
Electric Utility Provide							
Natural Gas Provider(s)							
Energy Purchaser(s):		Seneca Food	is				
Comocituu		Eleatrici	tu Consession Proise	or (MW)	OR	Direct Use Preject (me	Davy (h)
Capacity:		Electric	ty Generation Projec		UK	Direct Use Project (mr	
Estimated Potential Cap	pacity:			3			28
Current Capacity:							6
Planned Capacity:							
Utilities in County:		Duke Power	Co; Southeastern Po	ower Admin			
and the		D. ENVI	ROMENTAL BENI	EFITS OF U	FILIZATION		and the second
				Potential		Curr	ent
Methane Reduction (tons/vr)):				5,231		1,156
CO2 Equivalent of CH4 Red		ns/vr):			109,851		24,282
Emissions Avoided by Fossil	l Fuel Dis _l	placement:	Electricity Generation Project			Direct Use	Project
			CO2 (tons/yr	r) SO	? (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	22,10	00	140	15,752	143
		Fuel Oil:	18,13	39	117	12,929	75
	λ	latural Gas:	12,19		0	8,694	0
		aturui Gas.					
	Land of M	Landfill	E. CONTACT IN	FURMATIC	JN .	Landfill Operator	
Contact Name: Gary	Corn			г	Ilden Owen	- Spring	
Cury						. 5	
Mailing Address: 802 S	Stony Moi	untain Road		8	02 Stony Mour	itain Koad	
Maning Hudioss.				1			
	607 4505			,	04.607.4715		
Phone Number: 704-	697-4505			7	04-697-4715		
	697-4505			7	04-697-4715		

			High Point-Guilfor	d County		Landfill Cate	egory: Candidate
. 4.		A. G	ENERAL LANDFILL I	NFORMAT	ION		
Landfill Owner:	City of	High Point	A	nnual Accep	tance Rate	(tons):	19,335
Landfill Owner Type:	Public		Y	ear Annual A	Acceptance	Rate Reported:	1993
Alternative Landfill Name:	High P	High Point LF-Guilford County Design Capacity (tons):					
City:	High P			d (acres):	150		
County:	-	Guilford Average Depth (feet):					75
State:	NC			1994 Waste-i		as):	2,640,000
Year Open:	1974			998 Waste-in	•	•	2,640,000
Year Closed:	1993		_		, , , , , , , , , , , , , , , , , , , ,	.,.	, ,
		I	B. LANDFILL GAS CO	LLECTION	i		
Estimated Methane Genera	tion (mmsc	:f/d):		1.09			
LFG Collection System Sta		,	Op	erational			
Current LFG Collected (mr			·r				
Collection and Treatment S	-	uired Under NSP	S/EG:	No			
	•		C. LANDFILL GAS UT	TLIZATION	٧		
Current Utilization:							
Utilization System Sta	tus:	Planned					
Utilization System Typ		Unknown					
Utilization System Sta	•	Olikilo wii					
Electric Utility Provide							
Natural Gas Provider(s							
Energy Purchaser(s):	,,,						
Energy I dichaser(s).							
Capacity:		Electricit	y Generation Project (M	W) (OR	Direct Use Project (mm	Btu/hr)
Estimated Potential Co	apacity:			3			34
Current Capacity:							
Planned Capacity:							
Itilities in County:		Davidson Ele	ectric Member Corp; Dul	ke Power Co;	High Point	Electric Dept; Southeaste	ern Power Adm
	.4.3	D. ENVIR	OMENTAL BENEFIT	S OF UTIL	IZATION		
			Pot	ential		Curre	ent
Methane Reduction (tons/yi	·):			6,321			0
CO2 Equivalent of CH4 Re		ns/vr):		132,733			0
Emissions Avoided by Foss	il Fuel Dis _i	placement:	•	Electricity Generation Project		Direct Use I	•
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	26,835		170	19,034	173
		Fuel Oil:	22,025		142	15,622	91
	λ	latural Gas:	14,810		0	10,505	0
		aiarai Gas.					<u> </u>
		Landfill (E. CONTACT INFOR	CMATION		Landfill Operator	
Contact Name:		Landini	JWIICI	T - 1	D	Landini Operator	
				1	Butcher		
Mailing Address: PO	Box 230			5873	Riverdale R	Road	
Dhara Niur-harr							
Phone Number:				919-8	885-0914		
Fax Number:							
<u> </u>							-
Itallicized indicates values	estimated	by EPA.	Dec	ember 5, 199	8	State: NC	Page: 22

		Iredell Co			Landfill Category	· Candidate
		A. GENERAL LANDFI	LL INFORMAT	TION		
Landfill Owner:	Iredel County		Annual Accep	ptance Rate (to	ons):	31,227
Landfill Owner Type:	Public		Year Annual	Acceptance Ra	ate Reported:	1993
Alternative Landfill Name:			Design Capac	city (tons):		
City:	Statesville		Acres Curren	tly Landfilled	(acres):	
County:	Iredell		Average Dept	th (feet):		
State:	NC		Waste-in-Plac	ce (tons):		2,280,900
Year Open:	1975		1998 Waste-ii	n-Place (tons):	•	2,488,255
Year Closed:	2012					
	25-5177	B. LANDFILL GAS	COLLECTION	V		A. S. C. S. C.
Estimated Methane Generation	ı (mmscf/d):		1.05	•		
LFG Collection System Status:	•					,
Current LFG Collected (mmsc						
Collection and Treatment Syste	-	ler NSPS/EG:	No			
		C. LANDFILL GAS	UTILIZATIO	N		Š.
Current Utilization:						
Utilization System Status:	Plann	ed				
Utilization System Type:		rocating Engine				
Utilization System Start Y	-					
Electric Utility Provider(s						
Natural Gas Provider(s):	,					
Energy Purchaser(s):	Accu	ma				
Capacity:	E	lectricity Generation Project	t (MW)	OR	Direct Use Project (mmBtu/h	r)
Estimated Potential Capa	city:		3			33
Current Capacity:						
Planned Capacity:						
Utilities in Country	Cross	ent Elec Mem Corp; Duke I	Payer Car States	villa Light Da	^+	
Utilities in County:		-			J.	
	. D.	ENVIROMENTAL BENE	FITS OF UTIL	IZATION		
			Potential		Current	
Methane Reduction (tons/yr):				6,096		0
CO2 Equivalent of CH4 Reduc	tion (tons/yr):			128,020		0
Emissions Assaided by Feesil F	val Dianla a am an	. Flaatriaity (Generation Proje	at	Direct Use Project	
Emissions Avoided by Fossil Fi	иет Діѕріасетепі	CO2 (tons/yr,	•	l.	Direct Use Project CO2 (tons/yr) SO	D2 (tons/yr)
				,		
	Cod	al: 26,04	6	165	18,358	167
	Fuel O	il: 21,37	8	138	15,067	88
•	Natural Ga	s: 14,37	5 -	0	10,132	0
		E. CONTACT IN	•			, , , , , , , , , , , , , , , , , , ,
<u></u>	1:	andfill Owner	FORMATION		Landfill Operator	
Contract Name		midmi owner			Landin Operator	
Contact Name: Joel Ma	ashburn					
Mailing Address: PO Box	x 788		Cour	ty Office Buil	ding	
Phone Number: 704-87	2-9501		704-8	372-9501		
Fax Number:						
i ax ixumoci.						
* Itallicized indicates values est	timated by EPA.		December 5, 199	98	State: NC Page	: 23

			Johnston Count	•		Landfill Category	Candidate
		A. G	ENERAL LANDFILL I	NFORMAT	ION		
Landfill Owner:	Johnsto	on County	A	nnual Accept	ance Rate	(tons):	74,151
Landfill Owner Type:	Public		Y	Rate Reported:	1993		
Alternative Landfill N	lame:		E	esign Capaci	ty (tons):		
City:	Selma		Α	cres Currentl	y Landfille	ed (acres):	
County:	Johnsto	on	A	verage Depth	(feet):		
State:	NC		v	Vaste-in-Place	(tons):		1,708,932
Year Open:	1973		1	998 Waste-in	Place (ton	s):	1,780,138
Year Closed:	1997						
		I	B. LANDFILL GAS CO	LLECTION			
Estimated Methane G	eneration (mmsc	f/d):		0.87			
LFG Collection Syste	-	•					
Current LFG Collecte							
Collection and Treatn	nent System Requ	uired Under NSP	S/EG:	No		•	
			2. LANDFILL GAS UT	ILIZATION		*	
Current Utilization:							
Utilization Syste	m Status:	Potential					
Utilization Syste		Unknown					
Utilization Syste	· -						
Electric Utility P							
Natural Gas Prov	vider(s):						
Energy Purchase	r(s):						
							
Capacity:		Electrici	ty Generation Project (M	W) . ()R	Direct Use Project (mmBtu/h	ir)
Estimated Potent	tial Capacity:			3			27
Current Capacity							
Planned Capacity	y:						
Utilities in County:		Benson Elec	tric Dent: Carolina Powe	r & Light Cor	npanv: Cla	yton Electric Dept; Selma Mun	i Light &
			OMENTAL BENEFIT				
		D. ENVE			LATION		
			Pot	ential		Current	
Methane Reduction (to	-				5,049		0
CO2 Equivalent of CI	14 Reduction (to	ns/yr):]	06,031		0
Emissions Avoided by	Fossil Fuel Dist	olacement:	Electricity Gene	ration Proiec	t	Direct Use Projec	et e
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CO2 (tons/yr)	SO2 (tor		1	 O2 (tons/yr)
		C	•	,	•	-	
		Coal:	21,311		135	15,205	138
		Fuel Oil:	17,491		113	12,479	73
	N	atural Gas:	11,761		0	8,391	0
, a Sac			E. CONTACT INFO	RMATION			
		Landfill (Landfill Operator	
Contact Name:	Haywood Phth			Havw	ood Phthic		
	_	••					
Mailing Address:	PO Box 1052			PO Bo	x 1052		
Phone Number:	919-989-5075			919-9	89-5075		
Fax Number:							
		:					
* Itallicized indicates	values estimated	by EPA.	Dec	ember 5, 199	8	State: NC Page	: 24

			Lee County L			Landfill Ca	tegory: Candidate
		A. G	ENERAL LANDFILL II	NFORMATI	ON		
Landfill Owner:	Lee Co	ounty	A	nnual Accept	ance Rate	(tons):	13,548
Landfill Owner Type:		-	Y	ear Annual A	Rate Reported:	1993	
Alternative Landfill N				esign Capacio	-	•	
City:	Lemon	Springs		cres Currently		ed (acres):	
County:	Lee			verage Depth		,	
State:	NC			aste-in-Place			935,481
Year Open:	1972			98 Waste-in-		s):	1,010,321
Year Closed:	1999				(-,.	-,,
	W. Fritzer		B. LANDFILL GAS COI	LECTION			
Estimated Methane G	eneration (mmsc	:f/d):		0.68			
LFG Collection System	m Status:						
Current LFG Collected	d (mmscf/d):						
Collection and Treatm	ent System Req	uired Under NSF	PS/EG:	No			
			C. LANDFILL GAS UT	LIZATION			
Current Utilization:							
Utilization System	n Status:	Unknown					
Utilization System	n Type:	Unknown					
Utilization Syster	n Start Year:						
Electric Utility Pr	rovider(s):						
Natural Gas Prov	ider(s):						
Energy Purchases	r(s):						
Canacity		Electrici	ty Generation Project (MV	V) O	D	Direct Use Project (mi	mPtu/hr\
Capacity:		Electrici	Ty Generation Project (WIV	_		Direct Ose Project (III)	
Estimated Potent		1		2			21
Current Capacity							
Planned Capacity	:						
Utilities in County:	1 1 1	Carolina Pov	wer & Light Company; Ce	ntral Electric	Member (Corp; Southeastern Powe	r Admin
		-D. ENVII	ROMENTAL BENEFITS	OF UTILE			
			Pote	ntial		Curr	rent
Methane Reduction (to	ons/yr):				3,911		0
CO2 Equivalent of CH	14 Reduction (to	ns/yr):			82,125		0
Tanianian Amaidadha	Ennil Enal Dia		Electricity Comm	i Dusiss		Direct Use	Duning
Emissions Avoided by	rossii ruei Dis _l	ріасетепі:	CO2 (tons/yr)	Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr)		Direct Use CO2 (tons/yr)	SO2 (tons/yr)
			002 (10/13/3/)	502 (1011	<i>,,,,</i>		502 (101131 317)
		C1.	16 575		105	11777	107
		Coal:	16,575		105	11,777	107
		Fuel Oil:	13,604		88	9,666	56
	۸					·	56
	۸	Fuel Oil: latural Gas:	13,604 9,147 E. CONTACT INFOR	MATION	88	9,666 6,499	56
	Λ	Fuel Oil:	13,604 9,147 E. CONTACT INFOR	MATION	88	9,666	56
Contact Name:	John Payne	Fuel Oil: latural Gas:	13,604 9,147 E. CONTACT INFOR		88	9,666 6,499	56
Contact Name: Mailing Address:		Fuel Oil: latural Gas:	13,604 9,147 E. CONTACT INFOR		88 0 Johnston	9,666 6,499	56
	John Payne	Fuel Oil: latural Gas:	13,604 9,147 E. CONTACT INFOR	Bobby	88 0 Johnston x 89	9,666 6,499	56
	John Payne	Fuel Oil: latural Gas:	13,604 9,147 E. CONTACT INFOR	Bobby PO Bo	88 0 Johnston x 89	9,666 6,499	56
Mailing Address: Phone Number:	John Payne PO Box 89	Fuel Oil: latural Gas:	13,604 9,147 E. CONTACT INFOR	Bobby PO Bo SR 11'	88 0 Johnston x 89	9,666 6,499	56
Mailing Address:	John Payne PO Box 89 919-499-2311	Fuel Oil: latural Gas: Landfill (13,604 9,147 E: CONTACT INFOR Owner	Bobby PO Bo SR 11'	88 0 Johnston x 89 77 19-2311	9,666 6,499	56

			Lenoir County			Landfill Categ	ory: Ca	andidate
		A. G	ENERAL LANDFILL I	NFORMAT	ION	6 6 6 6 6 6		
Landfill Owner:			A	nnual Accept	ance Rate (tons):		71,569
Landfill Owner Type:	Public		Y	Year Annual Acceptance Rate Reported:				1993
Alternative Landfill N	ame:		Γ	esign Capaci	ty (tons):			
City:	La Gra	nge	A	cres Currentl	y Landfilled	d (acres):		
County:	Lenoir		А	verage Depth	(feet):			
State:	NC		V	Vaste-in-Place	(tons):		1,0	93,204
Year Open:	1981		1	998 Waste-in	Place (tons	·):	1,2	29,855
Year Closed:	1999							
Į.		I	B. LANDFILL GAS CO	LLECTION				
Estimated Methane G	eneration (mmsc	f/d):		0.73				
LFG Collection System		,· ,·						
Current LFG Collected								
Collection and Treatm		uired Under NSF	S/EG:	No				
			C. LANDFILL GAS UT	ILIZATION				
Current Utilization:			<u> </u>					
Utilization System	n Status:	Unknown						
Utilization System		Unknown						
Utilization System		Clikilowii	•					
Electric Utility P								
Natural Gas Prov								
Energy Purchases	• •							
Elicity i dichasel	(3).	•						
Capacity:		Electrici	y Generation Project (M	W) C	R	Direct Use Project (mmB	tu/hr)	
Estimated Potent	ial Capacity:			2				23
Current Capacity			•					
Planned Capacity	:							
		C 11 D	0.1:1:0		71 14 1	G W . D.H. W.		
Utilities in County:						er Corp; Kinston Public Uti	mnes; La	ı Gr
	- V - V - V	D. ENVIR	OMENTAL BENEFIT	S OF UTILI	ZATION			
			Pot	ential		Current		
Methane Reduction (to	· · · · · ·				4,235			0
CO2 Equivalent of Ch	14 Reduction (to	ns/yr):			88,941			0
Emissions Avoided by	Fossil Fuel Dies	alacamant:	Electricity Gene	ration Ducies	,	Direct Use Pro	oiact	
Emissions Avoided by	rossu ruei Disj.	nucement.	CO2 (tons/yr)	ranon Projec SO2 (ton		CO2 (tons/yr)	ojeci SO2 (ta	on chim)
			•	302 (10h		•	3U2 (II	•
		Coal:	18,153		115	12,754		116
		Fuel Oil:	14,899		96	10,468		61
	N	atural Gas:	10,019		0	7,039		0
				MATION				
	7.72 × 2000	Landfill (E. CONTACT INFOR	WINTION		Landfill Operator		
Contact Name:	D 1 D 66 1	Landini	JWHO!		•	- Candini Operator		
Contact Name:	Bob Brafford			Larry	Jones			
Mailing Address:	PO Box 757			Route	4, Box 187			
			•					
Phone Number:	919-527-2191			919-50	56-4194			
Fax Number:								
rax inumper.								
	alues estimated	hy FPA	Dec	ember 5, 199	3	State: NC P	age:	26

		V	Mecklenburg Cou			L	andfill Category:	Candidate
		A. G	ENERAL LANDFILL I	NFORMAT	ION			
Landfill Owner:	Meckle	enburg County	A	Annual Accep	(tons):		176,697	
Landfill Owner Type:	Public		Y	Year Annual Acceptance Rate Repor				1998
Alternative Landfill N	ame: Harrist	ourg Road LF	E	Design Capaci	ty (tons):			
City:				cres Current	-	ed (acres):		
County:	Meckle	enburg		verage Deptl				
State:	NC			1998 Waste-ii	· ·			3,710,642
Year Open:	1973	·	1	998 Waste-in	-Place (ton	ıs):		3,710,642
Year Closed:	1996							
	<u> </u>		B. LANDFILL GAS CO	LLECTION				
Estimated Methane Ge		:f/d):		1.37				
LFG Collection System								
Current LFG Collected								
Collection and Treatm	ent System Req			Yes				
		te de la	C. LANDFILL GAS UT	ILIZATION	I			
Current Utilization:								
Utilization System		Unknown						
Utilization System	• •	Unknown						
Utilization System								
Electric Utility Pr		Duke Power	•					·
Natural Gas Provi						,		
Energy Purchaser	(s):							
Capacity:		Electrici	ty Generation Project (M	W) ()R	Direct Use I	Project (mmBtu/h	r)
Estimated Potenti	al Capacity:			4				43
Current Capacity:		}						
Planned Capacity	:							
Utilities in County:		Cornelius M	unic Elec Light System;	Crescent Elec	Mem Corp	o; Davidson El	ectric Member Co	orp; Duk
		D. ENVII	ROMENTAL BENEFIT	S OF UTILI	ZATION.			
			Pot	ential			Current	
Methane Reduction (to	ns/vr):		100	Cillia	7,904		Carron	0
CO2 Equivalent of CH	•	ns/vr):			165,982			0
Emissions Avoided by	Fossil Fuel Dis _l	placement:	Electricity Gene	-		1	Direct Use Project	
			CO2 (tons/yr)	SO2 (tor	ıs/yr)	CO2 (to	ons/yr) SO	2 (tons/yr)
		Coal:	33,939		215		23,802	217
		Fuel Oil:	27,856		179		19,535	114
	N	latural Gas:	18,730		0		13,136	0
		No. 10 No.	E. CONTACT INFOR	RMATION				
		Landfill	Owner		<u> </u>	Landfill O	perator	
Contact Name:	Scott Brown			Eddie	Allen			
Mailing Address:	700 North Trye	on Street		700 N	orth Tryon	Street		
0		•			,••			
Phone Number:	704-336-6513			704.5	75-6583			
	104-330-0313			70423	1.5-0505			
Fax Number:								
* Itallicized indicates v	alues estimated	by EPA.	Dec	ember 5, 199	8	State	NC Page:	27
	on 1.0 / LMOP						3	
STAR Versi	OIL L.U / LINIOP							

			Nash County			Landfill Cate	gory: Candid
		A. G	ENERAL LANDFILL	NFORMA	TION		
Landfill Owner:	Nash C	County	A	Annual Acce	ptance Rate	(tons):	81,64
Landfill Owner Type:	Public		Y	199			
Alternative Landfill N	lame:		Г	Design Capa	city (tons):	-	
City:	Nashvi	Nashville Acres Currently Landfilled (acres				ed (acres):	
County:	Nash	Nash Average Depth (feet):					
State:	NC			Vaste-in-Pla			1,669,48
Year Open:	1976		1	998 Waste-	in-Place (ton	s):	1,748,98
Year Closed:	1997				·		
\$ \$ \text{\$\tilde{\pi}\$} \text{\$\tilde{\pi}\$} \text{\$\tilde{\pi}\$}			B. LANDFILL GAS CO	LLECTIO	N	18 18 18 18 18 18 18 18 18 18 18 18 18 1	
Estimated Methane G	eneration (mmsc	cf/d):		0.87		•	
LFG Collection Syste		-J/-					
Current LFG Collecte							
Collection and Treatm	•	mired Under NSF	PS/EG:	No			
20110000000	Jone Oysiem Toq		C. LANDFILL GAS UT		N		
Current Utilization:							
Utilization Syste	m Status:	Unknown					
Utilization Syste		Unknown					
Utilization Syste		O III.II O W II					
Electric Utility P							
Natural Gas Prov							
Energy Purchase	* *						
Energy I dienase	1(3).						
Capacity:		Electrici	ty Generation Project (M	W)	OR	Direct Use Project (mm	Btu/hr)
Estimated Potent	tial Capacity:			3			27
Current Capacity	•						
Planned Capacity	y:						
United to Comment		CII D-	0 1 :- h. C E		4 6	- FMC Halle Black	4
Utilities in County:						y EMC; Halifax Electric l	member Corp;
- ** - * * * * * * * * * * * * * * * * * * *		D. ENVIR	ROMENTAL BENEFIT	S OF UTII	JZATION		·
			Pot	ential		Curre	nt
Methane Reduction (to					5,003		
CO2 Equivalent of CF	H4 Reduction (to	ons/yr):			105,063		
Emissions Avoided by	Fossil Fuel Dis	nlacement:	Flectricity Gene	ration Proi	ert	Direct Use I	Project
Linussions Avoided by	1 Ossii Tuei Dis	рисетені.	Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr)			CO2 (tons/yr)	SO2 (tons/y
			•	502 (1	• .	-	
		Coal:	21,311		135	15,066	13
		Fuel Oil:	17,491		113	12,365	7
	۸	Natural Gas:	11,761		0	8,315	
:	* / ***		E. CONTACT INFOR	RMATION			
<u> </u>		Landfill (Landfill Operator	
Contact Name:	Greg Griffin			Dav	id Thompsor	l	
Mailing Address:	PO Box 849				Box 849		
viaining Addiess.	I O BUX 049			FO	JUA 047		
Phone Number:	919-459-9899			010	459-9899		
	717-437-7077			919.	サンフ・ブロブブ		
Fax Number:							
Itallicized indicates	values estimated	by FPA	Dec	ember 5, 19	98	State: NC	Page: 2
indicated marches (rancs esimuleu	by Li II.	Dec		70	State. 14C	. 450.

Landfill Category: Candidate New Hanover County LF A. GENERAL LANDFILL INFORMATION Landfill Owner: **New Hanover County** Annual Acceptance Rate (tons): 113,000 Landfill Owner Type: **Public** 1998 Year Annual Acceptance Rate Reported: Alternative Landfill Name: Design Capacity (tons): City: Wilmington 60 Acres Currently Landfilled (acres): County: New Hanover Average Depth (feet): 70 State: NC 1,478,300 Waste-in-Place (tons): Year Open: 1981 1998 Waste-in-Place (tons): 1,663,088 Year Closed: 2042 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: Yes C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Potential Unknown **Utilization System Type:** Utilization System Start Year: Electric Utility Provider(s): Carolina Power & Light Natural Gas Provider(s): NC Natural Gas Energy Purchaser(s): Takeda Chemical, USA; Hoechst Celanese OR Capacity: Electricity Generation Project (MW) Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 26 **Current Capacity:** Planned Capacity: Carolina Power & Light Company; Southeastern Power Admin **Utilities in County:** D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 4,876 0 102,396 0 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: **Electricity Generation Project** Direct Use Project SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) Coal: 20,521 130 14,683 134 Fuel Oil: 108 12,052 70 16,843 Natural Gas: 11,325 0 8,104 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Ray Church Paul Marlow Mailing Address: 3002 Highway 421 North 5210 US Highway 421 Phone Number: 910-341-4340 910-341-4340 Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 State: NC Page: 29

STAR Version 1.0 / LMOP

			Newton L			Landfill Car	tegory: Candidat
40.5		A. G	ENERAL LANDFILL	INFORMATIO	ON		
Landfill Owner:	Catawb	oa County	A	Annual Accepta	nce Rate (t	tons):	144,450
Landfill Owner Type	: Public		Y	Year Annual Ac	ceptance R	Rate Reported:	1998
Alternative Landfill N	Name:		1	Design Capacity			
City:	Newtor	1	A	Acres Currently	Landfilled	l (acres):	
County:	Catawb	oa	A	Average Depth	(feet):		
State:	NC			1998 Waste-in-	Place (tons	s):	2,168,232
Year Open:	1981		1	998 Waste-in-F	Place (tons,):	2,168,232
Year Closed:	1990						
		I	B. LANDFILL GAS CO	LLECTION			
Estimated Methane G		f/d):		0.97			
LFG Collection Syste			•				
Current LFG Collecte	•						
Collection and Treatr				No			
			C. LANDFILL GAS UT	ILIZATION			
Current Utilization:							
Utilization Syste		Planned					
Utilization Syste		Reciprocatin	g Engine				
Utilization Syste		1999					
Electric Utility F							
	vidor(c):						
Natural Gas Pro	` ,						
Natural Gas Pro- Energy Purchase	` ,	Duke Power					
Energy Purchase	` ,		ty Generation Project (M	W) OF	t	Direct Use Project (mn	nBtu/hr)
Energy Purchase	er(s):			W) OF 3	R	Direct Use Project (mn	nBtu/hr)
Energy Purchase Capacity:	er(s): tial Capacity:				₹	Direct Use Project (mn	
Energy Purchase Capacity: Estimated Poten	er(s): tial Capacity:				8	Direct Use Project (mn	
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacit	er(s): tial Capacity:	Electrici		2.5			30
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacit	er(s): tial Capacity:	Electricit Crescent Ele	ty Generation Project (M	2.5 er Co; Maiden l	Electric Uti		30
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County:	er(s): tial Capacity:	Electricit Crescent Ele	ty Generation Project (M c Mem Corp; Duke Powe	2.5 er Co; Maiden l	Electric Uti	ility; Newton Electric D	30 Dept; Rutherfor
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County:	er(s): tial Capacity: y:	Electricit Crescent Ele	ty Generation Project (M c Mem Corp; Duke Powe	2.5 er Co; Maiden l	Electric Uti	ility; Newton Electric D	30 Dept; Rutherfor
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County: Methane Reduction (1)	tial Capacity: y: y: cons/yr):	Electricit Crescent Ele D.ENVIR	ty Generation Project (M c Mem Corp; Duke Powe	2.5 er Co; Maiden l	Electric Uti	ility; Newton Electric D	30 Dept; Rutherfor
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (1 CO2 Equivalent of Co	er(s): tial Capacity: y: y: cons/yr): H4 Reduction (to)	Crescent Ele D. ENVIR	ty Generation Project (M c Mem Corp; Duke Power COMENTAL BENEFIT	2.5 er Co; Maiden la SOF UTILIZ	Electric Uti ATION 5,623	ility; Newton Electric D Curr	ept; Rutherfor
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (1 CO2 Equivalent of Capacity	er(s): tial Capacity: y: y: cons/yr): H4 Reduction (to)	Crescent Ele D. ENVIR	ty Generation Project (M c Mem Corp; Duke Power COMENTAL BENEFIT Pot Electricity Generation	2.5 er Co; Maiden la S OF UTILIZ tential	Electric Uti ATION 5,623 8,083	ility; Newton Electric D Curn Direct Use	30 Pept; Rutherfor ent 0 0 Project
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (1) CO2 Equivalent of Capacity	er(s): tial Capacity: y: y: cons/yr): H4 Reduction (to)	Crescent Ele D. ENVIR	ty Generation Project (M c Mem Corp; Duke Power COMENTAL BENEFIT	2.5 er Co; Maiden la SOF UTILIZ	Electric Uti ATION 5,623 8,083	ility; Newton Electric D Curr	ept; Rutherfor
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County:	er(s): tial Capacity: y: y: cons/yr): H4 Reduction (to)	Crescent Ele D. ENVIR	ty Generation Project (M c Mem Corp; Duke Power COMENTAL BENEFIT Pot Electricity Generation	2.5 er Co; Maiden l S OF UTILIZ tential 11 eration Project SO2 (tons.)	Electric Uti ATION 5,623 8,083	ility; Newton Electric D Curn Direct Use	30 Pept; Rutherfor ent 0 0 Project
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (1 CO2 Equivalent of Co	er(s): tial Capacity: y: y: cons/yr): H4 Reduction (to)	Crescent Ele D. ENVIR ns/yr): placement:	ty Generation Project (Maccompany) c Mem Corp; Duke Power ROMENTAL BENEFIT Pot Electricity Generation Project (Maccompany)	2.5 er Co; Maiden les OF UTILIZ tential 11 eration Project SO2 (tons)	Electric Uti ATION 5,623 8,083	ility; Newton Electric D Curr Direct Use CO2 (tons/yr)	ent Project SO2 (tons/yr)
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (1 CO2 Equivalent of Co	er(s): tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacit	Crescent Ele D. ENVIR ns/yr): placement: Coal:	c Mem Corp; Duke Power COMENTAL BENEFIT Pote Electricity Genee CO2 (tons/yr) 23,678	2.5 er Co; Maiden les OF UTILIZ tential 11 eration Project SO2 (tons)	Electric Uti ATION 5,623 8,083 /yr) 150	Direct Use CO2 (tons/yr) 16,933	30 Pept; Rutherfor ent 0 0 Project SO2 (tons/yr)
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (1 CO2 Equivalent of Capacity	er(s): tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacit	Crescent Ele D. ENVIR ns/yr): placement: Coal: Fuel Oil: datural Gas:	Electricity Generation Project (Man Corp.; Duke Power Comental Benefit Power CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOI	3 2.5 er Co; Maiden I S OF UTILIZ tential 11 eration Project SO2 (tons)	5,623 8,083	Direct Use CO2 (tons/yr) 16,933 13,898 9,345	ent Project SO2 (tons/yr) 154
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County: Methane Reduction (I CO2 Equivalent of Co Emissions Avoided by	er(s): tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacit	Crescent Ele D.ENVIR ns/yr): placement: Coal: Fuel Oil:	Electricity Generation Project (Man Corp.; Duke Power Comental Benefit Power CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOI	3 2.5 er Co; Maiden I S OF UTILIZ tential 11 eration Project SO2 (tons)	5,623 8,083	Direct Use CO2 (tons/yr) 16,933 13,898 9,345	ent Project SO2 (tons/yr) 154
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (1 CO2 Equivalent of Co	er(s): tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacity: tial Capacit	Crescent Ele D. ENVIR ns/yr): clacement: Coal: Fuel Oil: latural Gas:	Electricity Generation Project (Man Corp.; Duke Power Comental Benefit Power CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOI	3 2.5 er Co; Maiden I S OF UTILIZ tential 11 eration Project SO2 (tons)	Electric Uti ATION 5,623 8,083 /yr) 150 125 0	Direct Use CO2 (tons/yr) 16,933 13,898 9,345	ent Project SO2 (tons/yr) 154
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (I CO2 Equivalent of Cl Emissions Avoided by	tial Capacity: y: y: H4 Reduction (too	Crescent Ele D. ENVIR ns/yr): clacement: Coal: Fuel Oil: latural Gas:	Electricity Generation Project (Man Corp.; Duke Power Comental Benefit Power CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOI	2.5 er Co; Maiden les OF UTILIZ tential 11 eration Project SO2 (tons,	Electric Uti ATION 5,623 8,083 /yr) 150 125 0 dwards	Direct Use CO2 (tons/yr) 16,933 13,898 9,345	ent Project SO2 (tons/yr) 154
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of Co2 Emissions Avoided by Contact Name: Mailing Address:	ons/yr): H4 Reduction (too Fossil Fuel Disp	Crescent Ele D. ENVIR ns/yr): clacement: Coal: Fuel Oil: latural Gas:	Electricity Generation Project (Man Corp.; Duke Power Comental Benefit Power CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOI	2.5 er Co; Maiden I er S OF UTILIZ tential 11 eration Project SO2 (tons, RMATION Barry E PO Box	Electric Uti ATION 5,623 8,083 (yr) 150 125 0 dwards 389	Direct Use CO2 (tons/yr) 16,933 13,898 9,345	ent Project SO2 (tons/yr) 154
Energy Purchase Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County: Methane Reduction (I CO2 Equivalent of Co Emissions Avoided by	cons/yr): H4 Reduction (too	Crescent Ele D. ENVIR ns/yr): clacement: Coal: Fuel Oil: latural Gas:	Electricity Generation Project (Man Corp.; Duke Power Comental Benefit Power CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOL	2.5 er Co; Maiden les OF UTILIZ tential 11 eration Project SO2 (tons,	Electric Uti ATION 5,623 8,083 (yr) 150 125 0 dwards 389	Direct Use CO2 (tons/yr) 16,933 13,898 9,345	ent Project SO2 (tons/yr) 154

			Orange Regiona			Landfill Ca	tegory: Cano	didate
		A. G	ENERAL LANDFILL I	NFORMATIO	N			
Landfill Owner:			Α	nnual Acceptan	ce Rate (tons	s):	121.	,345
Landfill Owner Type:	Public		Y	ear Annual Acc	eptance Rate	Reported:	1	1993
Alternative Landfill N	ame:		D	esign Capacity (
City:	Chapel	Hill	Α	cres Currently L	andfilled (a	cres):		75
County:	Orange	;	A	verage Depth (f	eet):			30
State:	NC		1	998 Waste-in-P	lace (tons):		1,600	,000
Year Open:	1972		19	998 Waste-in-Pl	ace (tons):		1,600	,000,
Year Closed:	1994							
,		I	8. LANDFILL GAS CO	LLECTION	2,347			
Estimated Methane Ge	eneration (mmsc	f/d):		0.83				
LFG Collection System	n Status:							
Current LFG Collected	d (mmscf/d):							
Collection and Treatm	ent System Requ	uired Under NSP	S/EG:	No				
		(C. LANDFILL GAS UT	ILIZATION				
Current Utilization:								
Utilization Syster	n Status:	Planned		•				
Utilization Syster	n Type:	Unknown						
Utilization Syster	n Start Year:	2000						
Electric Utility Pr	rovider(s):							
Natural Gas Prov	ider(s):							
Energy Purchaser	r(s):							
Capacity:		Electricit	y Generation Project (M	W) OR	Di	rect Use Project (mi	mBtu/hr)	
Estimated Potenti	ial Capacity:			3			2	26
Current Capacity:	:							
Planned Capacity	:							
Utilities in County:		Duke Power	Co; Piedmont Electric M	ember Corp; So	utheastern P	ower Admin		
		D. ENVIR	OMENTAL BENEFIT	S OF UTILIZA	TION			
			Pote	ential		Сиг	ent	
Methane Reduction (to	ons/yr):			4	,783			0
CO2 Equivalent of CH	14 Reduction (to	ns/yr):		100	,437			0
Emissions Avoided by	Fossil Fuel Disp	placement:	Electricity Gener	-		Direct Use	•	
			CO2 (tons/yr)	SO2 (tons/y	r)	CO2 (tons/yr)	SO2 (tons	i/yr)
		Coal:	20,521	13	30	14,403		131
		Fuel Oil:	16,843	10	08	11,821		69
	N	atural Gas:	11,325		0	7,949		0
	* *******		E. CONTACT INFOR	MATION	1			***************************************
		Landfill (l	Landfill Operator		<u></u>
Contact Name:	Gayle Wilson			Harold H	arris			
Mailing Address:	306 North Colu	ımbia Street		306 Norti	h Columbia	Street		
Phone Number:	919-968-2885			919-929-	9823			
Fax Number:	717 700-2003			717-729-	,020			
ψ I, III		L. CD4	r			Ctotal NC	Dog	21
* Itallicized indicates v	aiues estimated	oy EFA.	Dec	ember 5, 1998		State: NC	Page:	31

			Piedmont SL		Landfill Cate	gory: Candida		
		A. G	ENERAL LANDFILL I	NFORMATION				
Landfill Owner:				nnual Acceptance Rate (350,509		
Landfill Owner Type	:			ear Annual Acceptance	Rate Reported:	1993		
Alternative Landfill N	Name:		D	Design Capacity (tons):				
City:	Kerners	sville	A	cres Currently Landfille	d (acres):			
County:	Forsyth	1	Α	verage Depth (feet):				
State:	NC		W	Waste-in-Place (tons):				
Year Open:	1992		19	998 Waste-in-Place (tons	5):	1,343,250		
Year Closed:	2016							
		I	B. LANDFILL GAS CO	LLECTION				
Estimated Methane G	eneration (mmsc	f/d):		0.76				
LFG Collection Syste	•							
Current LFG Collecte								
Collection and Treatr	nent System Requ	uired Under NSP	S/EG:	No	0			
	144		C. LANDFILL GAS UT	ILIZATION		×		
Current Utilization:								
Utilization Syste	m Status:	Planned						
Utilization Syste		Reciprocatin	g Engine					
Utilization Syste		•						
Electric Utility F								
Natural Gas Prov								
Energy Purchase	er(s):							
Capacity:		Electrici	y Generation Project (MV	W) OR	Direct Use Project (mm	Btu/hr)		
Estimated Poten	tial Capacity:			2		24		
Current Capacity	<i>י</i> :							
Planned Capacit	y:							
Utilities in County:		City of Lake	Lure; Davidson Electric	Member Corp; Duke Pov	wer Co; North Carolina E	lectric Membe		
		D. ENVIR	OMENTAL BENEFIT	S OF UTILIZATION		No.		
			Pote	ential	Curre	nt		
Methane Reduction (t	ons/yr):			4,403		C		
CO2 Equivalent of Cl	•	ns/yr):		92,463		(
•								
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Gener	·	Direct Use F	•		
			CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)		
		Coal:	18,943	120	13,259	12		
		Fuel Oil:	15,547	100	10,883	63		
	N	atural Gas:	10,454	0	7,318	(
			E. CONTACT INFOR		7,516			
	x oz . 5. 30000		L. COMMENT INFOR	DIAMETER STATES	TOO CONTROL OF THE CO			
3482	7. sy - 7. st 48. d 1	Landfill (Owner		Landfill Operator			
		Landfill (Owner	Bill Lewis	Landfill Operator	7		
Contact Name:	Bill Lewis		Owner	Bill Lewis				
Contact Name: Mailing Address:			Owner .					
Contact Name:	Bill Lewis		Owner .					
Contact Name: Mailing Address:	Bill Lewis 9900 Freedman		Owner .	9900 Freedman R				
Contact Name: Mailing Address: Phone Number:	Bill Lewis 9900 Freedman 910-595-6677	n Road		9900 Freedman R		Page: 3		

		Pitt County	LF		Landfill Cate	gory: Curren
	A. G	ENERAL LANDFILL	NFORMAT	ION		
Landfill Owner:		A	Annual Accep	tance Rate (tons):	125,313
Landfill Owner Type: Public	c	Y	ear Annual A	Acceptance I	Rate Reported:	1993
Alternative Landfill Name:		r	Design Capac	ity (tons):		
City: Green	ville	A	cres Current	ly Landfilled	l (acres):	85
County: Pitt		A	verage Dept	h (feet):		40
State: NC		v	Vaste-in-Plac	e (tons):		3,064,206
Year Open: 1974		1	998 Waste-in	-Place (tons):	2,808,857
Year Closed: 1995						
		B. LANDFILL GAS CO	LLECTION	MAR.		
Estimated Methane Generation (mm.	scf/d):		1.14			
LFG Collection System Status:	•					
Current LFG Collected (mmscf/d):			1.4		•	
Collection and Treatment System Re	quired Under NSI	PS/EG:	No			
		C. LANDFILL GAS UT	ILIZATION	١	5 (25)	
Current Utilization:	•					
Utilization System Status:	Operational					
Utilization System Type:	Boiler					
Utilization System Start Year:	1998					
Electric Utility Provider(s):						
Natural Gas Provider(s):						
Energy Purchaser(s):	Pitt County	Memorial Hospital				
Capacity:	Electrici	ty Generation Project (M	W) (OR	Direct Use Project (mm	Btu/hr)
Estimated Potential Capacity:			4			36
Current Capacity:			•			29
Planned Capacity:						
Utilities in County:	Ayden Elect	ric Dept; Carolina Power	& Light Con	npany; David	dson Electric Member Co	rp; Edgecomb
	D. ENVII	ROMENTAL BENEFIT	S OF UTIL	ZATION		
			ential		Curre	
Methane Reduction (tons/yr):		70.	Cilliai	6,570	Curro	5,396
CO2 Equivalent of CH4 Reduction (t	anshir):			137,976		113,320
				137,570		113,320
Emissions Avoided by Fossil Fuel Di	splacement:	Electricity Gene	ration Projec	rt	Direct Use P	roject
		CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	28,414		180	19,786	180
	Fuel Oil:	23,321		150	16,239	95
		15,681		0	10,920	0
	Natural Gas:			U		V
	Landfill (E. CONTACT INFOI Owner	(MATION)		Landfill Operator	
Contact Name: John Weaver			Phil D	Dickerson		
Mailing Address: 1717 West 5t	h Street		1717	West 5th Str	eet	
Phone Number: 919-830-635	1		919-8	30-6325		
i	•		1,,,			
Fax Number:						
* Itallicized indicates values estimate	d by EPA.	Dec	ember 5, 199	8	State: NC	Page: 33

		Randolph Count	-	Landfill Category.	Candidate
	A. G.	ENERAL LANDFILL I	NFORMATION		
Landfill Owner:	Randolph County	A	nnual Acceptance Rate	(tons):	74,677
Landfill Owner Type:	Public	Y	Year Annual Acceptance Rate Reported:		
Alternative Landfill Name:		D	esign Capacity (tons):		
City:	Asheboro	A	cres Currently Landfille	ed (acres):	
County:	Randolph	Α	verage Depth (feet):		
State:	NC	W	aste-in-Place (tons):		1,815,420
Year Open:	1973	19	998 Waste-in-Place (ton	s):	1,966,705
Year Closed:	1998				
	l	B. LANDFILL GAS CO	LLECTION		
Estimated Methane Generation	(mmscf/d):		0.92		
LFG Collection System Status:	•				
Current LFG Collected (mmscf					
Collection and Treatment Syste		PS/EG:	No		
•	•	C. LANDFILL GAS UT	ILIZATION		
Current Utilization:					
Utilization System Status:	Unknown				
<u>-</u>	Unknown				
Utilization System Type: Utilization System Start Y					
Electric Utility Provider(s)					
Natural Gas Provider(s):	<i>)</i> .				
Energy Purchaser(s):					
Energy Furchaser(s).					
Capacity:	Electricit	ty Generation Project (M	W) OR	Direct Use Project (mmBtu/h	ır)
Estimated Potential Capac	city:		3		29
Current Capacity:					
Planned Capacity:					
There is Control	G. J. P.	0.1.1.0		S. D. Han Elmin Manh	
Utilities in County:				Corp; Davidson Electric Member	er Corp;
	D. ENVIR	ROMENTAL BENEFIT	S OF UTILIZATION		
		Pote	ential	Current	
Methane Reduction (tons/yr):			5,325		0
CO2 Equivalent of CH4 Reduct	tion (tons/yr):		111,825		0
Fining Annidad In Famil F	- I Diamla a sus sust	Electricity Cons		Divert Hea Project	
Emissions Avoided by Fossil Fi	иет іліѕріасетепі:	Electricity Gener CO2 (tons/yr)	ration Project SO2 (tons/yr)	Direct Use Project	
				_	02 (tons/yr)
	Coal:	22,889	145	16,036	146
	Fuel Oil:	18,786	121	13,161	77
	Natural Gas:	12,632	0	8,850	0
		E. CONTACT INFOR	MATION		
	Landfill (Owner		Landfill Operator	
Contact Name: David	Fownsend		J.D. Smith		
Mailing Address: PO Box	C 4728		PO Box 4728		
Dhono Number					
Phone Number: 910-318	8-6606		919-318-6606		
Fax Number:					
* Itallicized indicates values est	imated by EPA.	Dece	ember 5, 1998	State: NC Page	e: 34

			Robeson Coun			Landfill Category:	Candidate
		A. G	ENERAL LANDFILL I	NFORMAT	ION		
Landfill Owner:			A	nnual Accep	tance Rate ((tons):	80,588
Landfill Owner Type:	Public		Y	ear Annual A	Acceptance l	Rate Reported:	1993
Alternative Landfill Na	ame:		Γ	esign Capaci	ty (tons):		
City:	St. Pau	ls	A	cres Current	ly Landfille	d (acres):	
County:	Robeso	n	A	verage Deptl	n (feet):		
State:	NC		V	Vaste-in-Plac	e (tons):		1,009,134
Year Open:	1985		1	998 Waste-in	-Place (tons	s):	1,177,323
Year Closed:	2012						
		y,	3. LANDFILL GAS CO	LLECTION	1111		
Estimated Methane Ge	neration (mmsc	f/d):		0.72			
LFG Collection System	Status:						
Current LFG Collected	(mmscf/d):						
Collection and Treatme	ent System Requ	uired Under NSF	PS/EG:	No		•	
		1 - 4 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	C. LANDFILL GAS UT	ILIZATION	I		
Current Utilization:							
Utilization System	Status:	Unknown					
Utilization System	Type:	Unknown					
Utilization System	Start Year:						
Electric Utility Pro	ovider(s):						
Natural Gas Provi	der(s):						
Energy Purchaser	(s):						
Capacity:		Electrici	ty Generation Project (M	W) ()R	Direct Use Project (mmBtu/h	r)
Estimated Potentia	al Capacity:			2			23
Current Capacity:							
Planned Capacity:							
Utilities in County:		Brunswick E	lectric Member Corp; Ca	rolina Power	& Light Co	ompany; Duke Power Co; Lumb	pee Rive
		D. ENVIR	OMENTAL BENEFIT	S OF UTILI	ZATION		S. Sha
			Pot	ential		Current	
Methane Reduction (to	ns/yr):				4,158		0
CO2 Equivalent of CH4	4 Reduction (to	ns/yr):			87,310		0
Emissions Avoided by I	Fossil Fuel Disp	olacement:	Electricity Gene	·=	İ	Direct Use Project	- 1
			CO2 (tons/yr)	SO2 (tor	is/yr)	CO2 (tons/yr) SO	02 (tons/yr)
		Coal:	17,364		110	12,520	114
		Fuel Oil:	14,252		92	10,276	60
	N	atural Gas:	9,583	-	0	6,910	0
			E. CONTACT INFOR	RMATION	100		
		Landfill (Owner			Landfill Operator	
Contact Name:	W.C. Baxley			W.C.	Baxley		
Mailing Address:	Route 2, Box 5	45		Route	2, Box 545		
-	PO Box 366						
Phone Number:	800-682-2014			800-6	82-2014		
Fax Number:							
* Itallicized indicates vo	ulues estimated	by EPA.	Dec	ember 5, 199	8	State: NC Page:	35

			Rockingham Co			Landfill Category:	Candidate
		A. G	ENERAL LANDFILL	INFORMAT	ION		
Landfill Owner:				Annual Accep	tance Rate	(tons):	77,891
Landfill Owner Type:	Public			_		Rate Reported:	1993
Alternative Landfill N	lame:		I	Design Capaci	ty (tons):	·	
City:	Wentw	orth	1	Acres Currentl	y Landfille	d (acres):	
County:	Rockin	gham	,	Average Depth	(feet):		
State:	NC		,	Waste-in-Place	e (tons):		1,357,483
Year Open:	1972		i	1998 Waste-in	-Place (ton.	s):	1,357,483
Year Closed:	1994						
	November 1]	B. LANDFILL GAS CO	LLECTION			**************************************
Estimated Methane G	eneration (mmsc	f(d):		0.77			
LFG Collection Syste	-	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>		0.77			
Current LFG Collecte			•				
Collection and Treatm	•	uired Under NSI	PS/EG·	No			
Concerton and Treath	iem bystem requ		C. LANDFILL GAS U				
Current Utilization:	Q	** 1					
Utilization System		Unknown					
Utilization System	- -	Unknown					
Utilization System							
Electric Utility P Natural Gas Prov							
Energy Purchase	1(8):						
Capacity:		Electrici	ty Generation Project (M	IW) C)R	Direct Use Project (mmBtu/h	r)
Estimated Potent	ial Capacity:			2			24
Current Capacity	:						
Planned Capacity	<i>י</i> :	-					
Utilities in County:		Davidson El	ectric Member Corn: Du	ke Power Co:	French Bro	oad Elec Member Corp; Southea	stern Po
			ROMENTAL BENEFI			<u>,</u> ,	· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·			tential		Current	
Methane Reduction (to	anchirl:		10	ientiai	4,424	Current	0
CO2 Equivalent of CH	•	nchirl:			92,906		0
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Gene	eration Projec	t	Direct Use Projec	t
		I	CO2 (tons/yr)	SO2 (tor	ıs/yr)	CO2 (tons/yr) SC	02 (tons/yr)
		Coal:	18,943		120	13,323	121
		Fuel Oil:	15,547		100	10,935	64
	۸/	atural Gas:	10,454		0	7,353	0
	14	aiurai Gas.		DAGATIONS	- 2003.00		· · · · · · · · · · · · · · · · · · ·
		Landfill	E. CONTACT INFO	MALIUN		Landfill Operator	
Contact Name:	Mike McDanie			Hugh	Griffin		
		· -				г	
Mailing Address:	PO Box 211			Route	8, Box 701	E	
Phone Number:	010 242 9104			010.2	40 VO 1 PA		
	919-342-8104			919-3	42-8180		
Fax Number:							
* Itallicized indicates v	values estimated	by EPA.	Dec	cember 5, 199	8	State: NC Page	: 36

STAR Version 1.0 / LMOP

		Rowland LF			Landfi	ll Category:	Shutdown
	A.G	ENERAL LANDFILL IN	FORMAT	ION			
Landfill Owner: Re	oland Landfill, Inc.	Anr	ual Accept	ance Rate (tons):		
Landfill Owner Type: Pr	rivate	Yea	r Annual A	cceptance F	Rate Reported:		
Alternative Landfill Name:		Des	ign Capaci	ty (tons):			
City: Ra	aleigh			y Landfilled	l (acres):		25
County: W	'ake	Ave	rage Depth	(feet):			40
State: N	С	199	94 Waste-ir	-Place (tons	s):		50,000
Year Open: 19	977	199	8 Waste-in	-Place (tons):		50,000
Year Closed: 19	978						
	J	B. LANDFILL GAS COLI	LECTION	3,33	400	(1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
Estimated Methane Generation (1	mmscf/d):		0.02				
LFG Collection System Status:	-	Opera	tional				
Current LFG Collected (mmscf/d):		0.0				
Collection and Treatment System	Required Under NSF	PS/EG:	No				
		C. LANDFILL GAS UTIL	IZATION		316 AGE		
Current Utilization:			20,000			2200	, <u></u>
Utilization System Status:	Shutdown						
Utilization System Type:	Reciprocatin	g Engine					
Utilization System Start Yea	-	, 21151110					
Electric Utility Provider(s):	170 .						
Natural Gas Provider(s):							
Energy Purchaser(s):	Carolina Pov	ver & Light Company					
Zhorgy i dremaser(s).	our o	voi de Englik Company					
Capacity:	Electrici	ty Generation Project (MW)) C	PR	Direct Use Projec	t (mmBtu/hr)
Estimated Potential Capacit	y:		0				1
Current Capacity:							
Planned Capacity:			0.17				0
Hallain in Country	A - au Liabaia	Dante Caralina Barrer R	I i aha Cam		Davies Car Sautha	D	
Utilities in County:		ng Dept; Carolina Power &			Fower Co, Souther	astern Power	Aumin
	D. ENVIR	OMENTAL BENEFITS	OF UTILI	ZATION			
		Potent	tial			Current	
Methane Reduction (tons/yr):				102			0
CO2 Equivalent of CH4 Reductio	n (tons/yr):			2,146		•	0
Emissions Avoided by Fossil Fue	l Dianta a amanti	Electricity General	tion Ducine		Dinast	Use Project	
Emissions Avoided by Fossii Fuel	і Діѕрійсетені.	CO2 (tons/yr)	SO2 (ton	1	CO2 (tons/yr	•	2 (tons/yr)
		•	302 (10h	sryr)	CO2 (tons/yr) 30.	2 (tons/yr)
	Coal:	789		5	30)8	3
	Fuel Oil:	648		4	25	33	2
	Natural Gas:	436		0	17	70	0
		E. CONTACT INFORM	ATION **				
	Landfill (and the first of the second of	MIIUN		Landfill Operate	ati salit s	N. N.
Contact Name:						-	
Contact Name.							
Mailing Address:							
Phone Number:			919-8	76-1877			
Fax Number:							
I AN INUITION.							
* Itallicized indicates values estim	ated by EPA.	Decem	ber 5, 199	8	State: NC	Page:	37

			Sampson Coun	ty LF			Landfill Categor	y: Candidate
		A. G	ENERAL LANDFILL I	NFORMAT	ION			
Landfill Owner:			A	nnual Accep	tance Rate (tons):		97,004
Landfill Owner Type:	Private		Y	ear Annual A	Acceptance I	Rate Reporte	d:	1993
Alternative Landfill Na	ame:		D	esign Capaci	ity (tons):			
City:	Rosebo	oro	Α	cres Current	ly Landfilled	d (acres):		
County:	Sampso	on	A	verage Depti	h (feet):			
State:	NC		V	/aste-in-Place	e (tons):			1,156,975
Year Open:	1974		1.	998 Waste-in	-Place (tons	s):		1,207,279
Year Closed:	1997							
]	. LANDFILL GAS CO	LLECTION			Note to	
Estimated Methane Ge	neration (mmsc	f/d):		0.73				
LFG Collection System	=							
Current LFG Collected	(mmscf/d):							
Collection and Treatme	ent System Requ	uired Under NSF	S/EG:	No				
in is			E. LANDFILL GAS UT	ILIZATION	1		2.2	
Current Utilization:								
Utilization System	n Status:	Unknown						
Utilization Systen		Unknown						
Utilization Systen								
Electric Utility Pr								
Natural Gas Provi								
Energy Purchaser	(s):							
Capacity:		Electrici	y Generation Project (M'	W) (OR .	Direct Use	Project (mmBtu/	'hr)
Estimated Potenti	al Capacity:			2				23
Current Capacity:								
Planned Capacity:	:		•		1			
Utilities in County:		Carolina Pov	ver & Light Company; Co	entral Electric	c Member C	Corp; Four Co	ounty Elec Memb	per Corp; S
* * * * * * * * * * * * * * * * * * * *		D. ENVIR	OMENTAL BENEFIT	S OF UTILI	ZATION		**	
			Pote	ential			Current	
Methane Reduction (to	ns/vr):				4,202			0
CO2 Equivalent of CH	•	ns/vr):			88,240			0
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Gene		1		Direct Use Proje	
			CO2 (tons/yr)	SO2 (tor	ıs/yr)	CO2 (1	tons/yr) S	SO2 (tons/yr)
		Coal:	18,153		115		12,654	115
		Fuel Oil:	14,899		96		10,386	61
	A7	atural Gas:	10,019		0			
	IV.	aturat Gas:	·	-			6,983	0
<u> </u>		1 1000	E. CONTACT INFOR	MATION		K		
		Landfill (Owner			Landfill (Operator	
Contact Name:	Dave Cradduck	ς		Terry	Gautney			
Mailing Address:	P.O. Box 2096		•	Route	1, Box 586	-B		
Phone Number:	910-525-4132			010.5	25-4132			
	71U-J2J -4 1J2			717-3	4J-71J4			
Fax Number:								
* Itallicized indicates ve	alues estimated	by EPA.	Dec	ember 5, 199	8	State	e: NC Pag	ge: 38

		Surry County I		ON	Landfill Ca	tegory: Candidate
		ENERAL LANDFILL I				
Landfill Owner:	Surry County		nnual Accepta			52,260
Landfill Owner Type:	Public		ear Annual Ac	· -	te Reported:	1993
Alternative Landfill Name:	Surry County Mt. Airy		esign Capacity			
City:	Mt. Airy		cres Currently		acres):	
County:	Surry		Average Depth (feet):			
State:	NC		/aste-in-Place			1,243,631
Year Open:	1972	1:	998 Waste-in-I	Place (tons):		1,343,123
Year Closed:	2002		-			
- 1		B. LANDFILL GAS CO	LLECTION	1000		
Estimated Methane Generati	ion (mmscf/d):		0.76			
LFG Collection System State	us:					
Current LFG Collected (mm	scf/d):					
Collection and Treatment Sy	stem Required Under NSF	PS/EG:	No			
		C. LANDFILL GAS UT	ILIZATION			
Current Utilization:						
Utilization System State	us: Unknown					
Utilization System Type	e: Unknown					
Utilization System Start	t Year:					
Electric Utility Provider	r(s):					
Natural Gas Provider(s)	:					
Energy Purchaser(s):						
Capacity:	Electrici	ty Generation Project (M'	W) OI	R I	Direct Use Project (mr	nBtu/hr)
Estimated Potential Ca	pacity:		2			24
Current Capacity:			ľ			
Planned Capacity:						
Utilities in County:	Duke Power	Co; Surry-Yadkin Elec N	1ember Corp;	Tennessee V	alley Authority	
	D. ENVIR	OMENTAL BENEFIT	S OF UTILIZ	ATION	. 4 %	<u></u>
					and the state of t	ant
Mathana Paduation (tonahan)		Poli	ential	4,403	Curr	0
Methane Reduction (tons/yr)				92,459		
CO2 Equivalent of CH4 Red	uction (tons/yr):			72,439		0
Emissions Avoided by Fossil	Fuel Displacement:	Electricity Gene	ration Project		Direct Use	Project
·	-	CO2 (tons/yr)	SO2 (tons	/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	18,943		120	13,259	121
	Fuel Oil:	15,547		100	10,882	63
	Natural Gas:	10,454		0	7,317	0
		E. CONTACT INFOR	MATION			
-	Landfill (Owner			Landfill Operator	
Contact Name: Jerry	Snow		Jerry St	now		
Mailing Address: PO B	30x 706		PO Box	706		
Phone Number: 910-	274 5745		010.27	1 5715		
, ,,,,	374-5745		919-374	+-3743		
Fax Number:						
* Itallicized indicates values	estimated by EPA.	Dec	ember 5, 1998		State: NC	Page: 39
	*		-			-

			US Marine Corps Ca			Landfill Category	v: Candidate		
¥.)		A. G	ENERAL LANDFILL	INFORMAT	ION				
Landfill Owner:	U.S. M	arine Corps		Annual Accep	tance Rate	(tons):	46,533		
Landfill Owner Type:	Public	_		Year Annual A	Acceptance	Rate Reported:	1993		
Alternative Landfill N	lame:			Design Capacity (tons):					
City:	Jackson	nville		Acres Currently Landfilled (acres):					
County:	Onslov	<i>y</i>		Average Deptl					
State:	NC			Waste-in-Place	e (tons):		1,299,515		
Year Open:	1978			1998 Waste-in-Place (tons):					
Year Closed:	1995								
9		I	B, LANDFILL GAS CO	DLLECTION					
Estimated Methane G	eneration (mmsc	·f/d)·		0.73					
LFG Collection System	`	<i>,,</i> ω,.		0.75					
Current LFG Collected									
Collection and Treatm		uired Under NSP	PS/EG:	No					
34	-		C. LANDFILL GAS U		1				
Current Utilization:	<u> </u>								
	m Status	1 Jmlen c							
Utilization System Utilization System		Unknown Unknown							
		Ulikilowii							
Utilization System									
Electric Utility Pa Natural Gas Prov									
Energy Purchase	, ,								
Ellergy Furchases	1(8).								
Capacity:		Electrici	ty Generation Project (M	1W) (OR	Direct Use Project (mmBtu/	hr)		
Estimated Potent	ial Capacity:			2			23		
Current Capacity	• •								
Planned Capacity									
Utilities in County:		Carolina Pov	ver & Light Company; (Carteret-Crave	n El Memb	er Corp; Jones-Onslow Elec M	lember C		
		D. ENVIR	ROMENTAL BENEFI	IS OF UTILI	ZATION				
			Pa	tential		Current			
Methane Reduction (to	ons/yr):				4,237	·	0		
CO2 Equivalent of Ch	•	ns/yr):			88,981		0		
	· · · · · · · · · · · · · · · · · · ·	-							
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Gen	-		Direct Use Proje			
			CO2 (tons/yr)	SO2 (tor	ıs/yr)	CO2 (tons/yr) S	O2 (tons/yr)		
		Coal:	18,153		115	12,760	116		
		Fuel Oil:	14,899		96	10,473	61		
	X i	atural Gas:	10,019						
					0	7,042	0		
	40.00		E. CONTACT INFO	RMATION					
		Landfill (Owner			Landfill Operator			
Contact Name:	, Commanding	g General							
Mailing Address:	US Marine Co	rps Camp Lejeur	ne	МСВ					
	PSC Box 2000								
Phone Number:				010.4	51 5002				
	910-451-5878			919-4	51-5003				
Fax Number:									
* Itallicized indicates v	alues estimated	by EPA	Пе	cember 5, 199	8	State: NC Pag	e: 40		

Landfill Owner: Union County Annual Acceptance Rate (tons): \$4,00 Landfill Owner Type: Public Year Annual Acceptance Rate (tons): 199. Alternative Landfill Name: Design Capacity (tons): 199. Design Capacity (tons): 1972 State: NC Wast-in-Place (tons): 2,130,144 Vear Openi: 1972 J 598 Wast-in-Place (tons): 2,130,144 Vear Closed: 1972 J 598 Wast-in-Place (tons): 2,300,557 Vear Closed: B.LANDFILL CAS COLLECTION Estimated Meliume Generation (minsoft/d): 1.01 Estimated Meliume Generation (minsoft/d): 1.01 Estimated Meliume Generation (minsoft/d): No CCEANDFILL CAS COLLECTION CCE				Union County			*	Landfill	Category	: Can	didate
Landfill Owner Type: Public Year Annual Acceptance Rate Reported: 199. Alternative Landfill Name: Design Capacity (tons): Cliy: Monroe Aeres Currently Landfilled (acres): County: Union Average Depth (feet): State: NC Watt-in-Place (tons): 2,130,144 Year Open: 1972 1998 Waste-in-Place (tons): 2,300,557 Year Cloed: B. LANDFILL GAS COLLECTION Estimated Methane Generation (munsefid): 1,01 LFG Collection System Status: Current LPG Collected (immscfid): No CLANDFILL GAS COLLECTION Estimated Methane Generation (munsefid): 1,01 LFG Collection system Status: Current LPG Collected (immscfid): No CLANDFILL GAS COLLECTION Estimated Methane System Required Under NSPSEG: No CLANDFILL GAS COLLECTION Current Utilization: Utilization: Utilization System Status: Potential Utilization System Status: Potential Utilization System Status: Potential Utilization System Type: Unknown Utilization System Status: Potential Collection System Type: Unknown Utilization System Status: Potential Collection System Status: Potential Collectics: Senergy Purchaser(s): Capacity: 3 3 32 Carrent Capacity: District in County: 3 3 32 Current Capacity: District in County: District System System Status: Potential Collectics: Shape Current Capacity: 12,193 Current C		**************************************	A. G	ENERAL LANDFILL	INFORMAT	ION				7.1	39
Alternative Landfill Name: City: Monroe Aeres Currently Landfilled (seres): County: Union Average Depth (feet): State: NC Wast-in-Place (tons): 2,130,145 Veat Open: 1972 1998 Wast-in-Place (tons): 2,300,557 Year Cloned: B.LANDFILL CAS COLLECTION Estimated Methane Generation (nans/pt): 1,01 LPG Collection and Treatment System Status: Current LPG Collected (musscfd): Collection and Treatment System Status: Utilization System Status: Potential Utilization System Status: Unknown Utilization System Status: Potential Utilization System Status: Unknown Utilization System Status: Potential Estational Representation (none System Status) Duke Power Cc, Monroe Electric Dept; Pee Dee Electric Member Corp, Southeastern Power Admin. 3 2 Extra Status Potential Current Landfill Operator Corp. Southeastern Power Admin. Southea	Landfill Owner:		County		-						
County: Monroe Acres Currently Landfilled (acres): County: Union Average Depth (feet): State: NC Waste-in-Place (tons): 2,130,144 Vear Open: 1972 1998 Waste-in-Place (tons): 2,300,555 Vear Closed: B. LANDFILL GAS COLLECTION Estimated Methane Generation (nunscfd): LETG Collection System Status: Current LFG Collection System Status: Current LFG Collection and Treatment System Required Under NSFS/EG: No CLEANDFILL GAS CULIEZTION Current Utilization System Status: Utilization System Type: Unknown Utilization Type Type: Type Dee Electric Member Corp; Southeastern Power Admin; Potential County: Duke Power Co. Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; Security Type: Type Type Type: Unknown Dept. Type: Union County Public Works Food: 24,468 155 17,522 155 Fact Ott: 24,468 155 1						=	Rate Reporte	:d:			1993
Country: Union Average Depth (feet): State: NC Watt-in-Place (tons): 2,130,14* Vear Open: 1972 1998 Waste-in-Place (tons): 2,300,55* Vear Closed: B. EANDELLE GAS COLLECTION Estimated Methane Generation (mass/pt): 1.01 Current LPG Collection System Status: Current LPG Collection my treatment System Required Under NSPS/EG: No CLEANDFILL GAS UTILIZATION Current Utilization: Utilization: Utilization System Status: Potential Capacity: Panergy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 3 32 Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 3 32 Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 3 32 Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 3 32 Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 3 32 Ensistent Capacity: 3 3 3 32 Ensistent Capacity: 3 3 32 Ensistent Capacity: 3 3 32 Ensistent Capacity: 3 3 3 32 Ensistent Capacity:					_	-					
State: NC Waste-in-Place (tons): 2,130,14e Year Open: 1972 1998 Waste-in-Place (tons): 2,300,55f Year Closed: B.EANDEILL GAS COLLECTION	City:		e			-	ed (acres):				
Year Open: 1972 1998 Waste-in-Place (tons): 2,300,557 Year Closed: B. LANDEILLI GAS COLLECTION Estimated Methane Generation (mmscf/d): 1.01 LFG Collection System Status: Current LFG Collected (mmscf/d): No C. LANDFILL; GAS UTILIZATION Current Utilization: Utilization System Status: Potential Utilization System Status: Utilization System Status: Unknown Utilization System Status: Unknown Utilization System Status: Potential Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Planned Capacity: Planned Capacity: Utilities in Councy: Dake Power Co; Monroe Electric Dept: Pee Dee Electric Member Corp; Southeastern Power Admin: D. ENVIROMENTAL BENEFITS: OF UTILIZATION Methane Reduction (tonstyr): Current Methane Reduction (tonstyr): Core Equivalent of CH4 Reduction (tonstyr): Potential Methane Reduction (tonstyr): Cool: 25,819 Cool: 24,468 155 17,522 156 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Cool: 24,468 155 17,522 156 Field Oil: 20,082 129 14,381 86 Natural Gas: 13,503 0 9,670 (or ECONTACT INFORMATION Landfill Owerer Contact Name: Mike Shalati Mailing Address: Union County Public Works Tol-283-3819 Fax Number: Po Box 987 Union County Public Works Tol-283-3819 Fax Number: Po Box 987 Union County Public Works Tol-283-3819 Fax Number: Po Box 988 Landfill Owerer Administration Project County Public Works Tol-283-3819	•									2 120	144
Settinated Methane Generation (mmscfd): 1.01						` ,	c)·				
Extinated Potential Capacity: Planned Capacity: Potential Capacity: Potential Capacity: Potential Capacity: Potential Capacity: Potential Capacity: Potential Capacity: Planned Capacity: Potential Capacity: Potent		1912		1	990 Wusie-in	-riace (ion	3).			2,300	,551
Estimated Methane Generation (mmscfd): LFG Collection System Status: Current LFG Collected (mmscfd): Collection and Treatment System Required Under NSPS/EG: No CLANDFILL GAS UTILIZATION. Current Utilization System Status: Utilization System Type: Unknown Utilization System Type: Unknown Utilization System Star Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Estimated Potential Capacity: Current Capacity: Planned Capacity: Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: Electricity Generation Project Electricity Generation Project Coal: 24,468 155 17,522 Emissions Avoided by Fossil Fuel Displacement: Coal: 20,082 129 14,381 84 Natural Gas: 13,503 0 9,670 0 E CONTACTINFORMATION Landfill Operator Contact Name: Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: Poax Number: Pallicited indicates values estimated by EPA. December 5, 1998 State: NC Page: 41				B. LANDFILL GAS CO	LLECTION						
LFG Collection System Status: Current LFG Collected (mnselfd): Collection and Treatment System Required Under NSPS/EG: No CLANDFILL GAS UTILIZATION CUIT CHARD (Utilization: Utilization System Status: Utilizat		eneration (mmsc	·f/d):		1.01						<u> </u>
Current LFG Collected (mmscl/d): Collection and Treatment System Required Under NSPS/EG; No Current Utilization: Utilization System Status: Utilization Sys		•	<i>J,</i> u <i>J</i> ,								
CLEANDFILL GAS UTILIZATION Current Utilization: Utilization System Status: Utilization System Type: Utilization System Start Year: Electric Utility Provider(s): Energy Purchaser(s): Energy Purchaser(s): Capacity: Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current S.819 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) Co2 (tons/yr) Co3 (tons/yr) Co4 (tons/yr) Co5 (tons/yr) Co5 (tons/yr) Landfill Owner Landfill Owner Landfill Owner Contact Name: Mailing Address: PO Box 987 Union County Public Works Phone Number: Potal Displace Status Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: Platlicited indicates values estimated by EPA. December 5, 1998 State: NC Page: 41											
Current Utilization: Utilization System Status: Utilization County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D.ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current S.819 Current S.819 Current S.819 Current S.819 Current Electricity Generation Project CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) SO3 (tons/yr) CO5 (tons/yr) CO			uired Under NSI	PS/EG:	No						
Utilization System Type: Utilization System Type: Utilization System Type: Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Planned Capacity: Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin: D.ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr) CO3 (tons/yr) SO3 (tons/yr) CO4 (tons/yr) SO3 (tons/y	64 - SX-25	100		C. LANDFILL GAS UT	TLIZATION	I					
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 32 Current Capacity: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D.ENVIROMENTAL BENEFITS OF UTILIZATION: Potential Current Methane Reduction (tons/yr): 122,193 (Current Capacity): 122,193 (Current Cap	Current Utilization:										
Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin: D.ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 Equivalent of CH4 Reduction (tons/yr): CO3 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr) SO3 (tons/yr) CO3 (tons/yr) SO3 (tons/yr) SO3 (tons/yr) SO3 (tons/yr) CO4 (tons/yr) SO3 (tons/yr) SO	Utilization Syster	n Status:	Potential								
Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Estimated Potential Capacity: Planned Capacity: Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: Coal: 24,468 155 17,522 156 Fuel Oil: 20,082 129 14,381 84 Natural Gas: 13,503 0 9,670 0 E. CONTACTINFORMATION Landfill Owner Landfill Owner Contact Name: Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: Platlicized indicates values estimated by EPA. December 5, 1998 State: NC Page: 41	Utilization Syster	n Type:	Unknown								
Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 32 Current Capacity: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D. ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 5.819 Current CO2 Equivalent of CH4 Reduction (tons/yr): 122,193 CO2 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 24,468 155 17.522 155 Fuel Oil: 20,082 129 14,381 84 Natural Gas: 13,503 0 9,670 CO2 E. CONTACT_INFORMATION Landfill Owner Landfill Owner Landfill Operator Contact Name: Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: 704-283-3819 Fax Number: Platlicized indicates values estimated by EPA. December 5, 1998 State: NC Page: 41	Utilization Syster	n Start Year:									
Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D.ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) Coal: 24.468 155 17.522 155 Fuel Oil: 20.082 129 14.381 84 Natural Gas: 13.503 0 9.670 0 E. CONTACTINFORMATION Landfill Owner E. CONTACTINFORMATION Landfill Owner Contact Name: Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: 704-283-3819 Fax Number: Platilicized indicates values estimated by EPA. December 5, 1998 State: NC Page: 41						·					
Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 32 Current Capacity: Planned Capacity: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D.ENVIROMENTAL BENEFITS OF UTILIZATION Methane Reduction (tons/yr): 5,819 Current Methane Reduction (tons/yr): 122,193 Current CO2 Equivalent of CH4 Reduction (tons/yr): 122,193 Current Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 24,468 155 17,522 155 Fuel Oil: 20,082 129 14,381 84 Natural Gas: 13,503 0 9,670 Co E. CONTACTINFORMATION Landfill Owner Landfill Operator Contact Name: Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: 704-283-3819 Pallilicized indicates values estimated by EPA. December 5, 1998 State: NC Page: 41											
Estimated Potential Capacity: Current Capacity: Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D.ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current S.819 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Coal: Coal: 24.468 155 17.522 155 Fuel Oil: 20.082 129 14.381 84 Natural Gas: 13.503 0 9.670 E CONTACT INFORMATION Landfill Owner Landfill Owner Landfill Operator Contact Name: Mailing Address: Mailing Address: PO Box 987 Union County Public Works 704-283-3819 Polacites values estimated by EPA. December 5, 1998 State: NC Page: 41 STAD National Out MORE	Energy Purchaser	r(s):									
Current Capacity: Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current S,819 Current 122,193 Corrent Emissions Avoided by Fossil Fuel Displacement: Emissions Avoided by Fossil Fuel Displacement: Corrent Corrent Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Co2 (tons/yr) Co2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Fuel Oil: 20,082 129 14,381 84 Natural Gas: 13,503 0 9,670 Contact Name: Mike Shalati PO Box 987 Union County Public Works Phone Number: Plallicized indicates values estimated by EPA. December 5, 1998 State: NC Page: 41 Current Mike Shalati PO Box 987 Union County Public Works Po4-283-3819	Capacity:		Electrici	ty Generation Project (M	W) (OR .	Direct Use	Project	(mmBtu/h	ır)	
Planned Capacity: Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current S,819 CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO8 (tons/yr) CO9 (tons/yr) CO1 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO2 (tons/yr) CO3 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) CO4 (tons/yr) CO5 (tons/yr) CO5 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO6 (tons/yr) CO7 (tons/yr) CO7 (tons/yr) CO6 (tons/y	Estimated Potenti	ial Capacity:			3						32
Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin; D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential	Current Capacity:										
### D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential	Planned Capacity	:				ľ					
Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) Coal: 24,468 155 17,522 156 Fuel Oil: 20,082 129 14,381 84 Natural Gas: 13,503 0 9,670 Contact Name: Mike Shalati Mailing Address: Mike Shalati PO Box 987 Union County Public Works Phone Number: Po Box 987 Union County Public Works To4-283-3819 Po Box 987 Union County Public Works Po Box 987 Union County Public Works To4-283-3819 Po Box 987 Po Box 987 Union County Public Works Po Box 987 Union County Public Works To4-283-3819 Po Box 987 Union County Public Works Po Box 987 Union County Public Works To4-283-3819 Po Box 987 Union County Public Works Po Box 987 Union County Public Works To4-283-3819 Po Box 987 Union County Public Works To4-283-3819	Utilities in County:		Duke Power	Co; Monroe Electric De	pt; Pee Dee E	lectric Men	nber Corp; So	outheast	ern Power	Admin	
Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr) CO5 (tons/yr) SO3 (tons/yr) CO6 (tons/yr) SO3 (tons/yr) CO7 (tons/yr) SO3 (tons/yr) SO3 (tons/yr) CO7 (tons/yr) SO3 (tons/yr) SO3 (tons/yr) SO4 (tons/yr) SO5 (tons/yr) SO			D. ENVII	ROMENTAL BENEFIT	S OF UTILI	ZATION				ACTIVE C	/
Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) CO3 (tons/yr) CO4 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO3 (tons/yr) CO5 (tons/yr) SO3 (tons/yr) CO6 (tons/yr) SO3 (tons/yr) CO7 (tons/yr) SO3 (tons/yr) SO3 (tons/yr) CO7 (tons/yr) SO3 (tons/yr) SO3 (tons/yr) SO4 (tons/yr) SO5 (tons/yr) SO				Pot	ential			(Current		
CO2 Equivalent of CH4 Reduction (tons/yr): Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project CO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) SO2 (tons/yr) Coal: 24,468 155 17,522 159 Fuel Oil: 20,082 129 14,381 84 Natural Gas: 13,503 0 9,670 Contact Name: Mike Shalati PO Box 987 Union County Public Works Phone Number: Po Box 987 Union County Phone Number: Phone Number: Po Box 987 Union County Phone Number: Phone Number: Po Box 987 Union County Phone Number: Phone Number: Phone Number: Phone Number: Phone Number:	Methane Reduction (to	ns/yr):				5,819					0
CO2 (tons/yr) SO2 (tons/yr			ns/yr):			122,193					0
CO2 (tons/yr) SO2 (tons/yr											
Coal: 24,468 155 17,522 159	Emissions Avoided by	Fossil Fuel Disp	olacement:	•	•		1		•		
Fuel Oil: 20,082 129 14,381 84 Natural Gas: 13,503 0 9,670 0 E. CONTACTINFORMATION Landfill Owner Landfill Operator Contact Name: Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: 704-283-3819 Fax Number: Potential of the county Public Works Itallicized indicates values estimated by EPA. December 5, 1998 State: NC Page: 41			_		SU2 (101	-	(02)	-		IZ (ton.	•
Natural Gas: 13,503 0 9,670 C E. CONTACT:NFORMATION Landfill Owner Landfill Operator Contact Name: Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: 704-283-3819 704-283-3819 *Itallicized indicates values estimated by EPA. December 5, 1998 State: NC Page: 41			Coal:	24,468		155		17,522	2		159
E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Mike Shalati Mailing Address: PO Box 987 Union County Public Works Phone Number: 704-283-3819 Fax Number: Poscenber 5, 1998 State: NC Page: 41			Fuel Oil:	20,082		129		14,381	1		84
Landfill Owner Contact Name: Mike Shalati PO Box 987 Union County Public Works Phone Number: Fax Number: Landfill Operator Mike Shalati PO Box 987 Union County Public Works 704-283-3819 Fax Number: Landfill Operator Mike Shalati PO Box 987 Union County Public Works 704-283-3819 Fax Number: Landfill Operator December 5, 1998 State: NC Page: 41		N	latural Gas:	13,503		0		9,670)		0
Landfill Owner Contact Name: Mike Shalati Mole Shalati PO Box 987 Union County Public Works Phone Number: Fax Number: Mike Shalati PO Box 987 Union County Public Works 704-283-3819 Fax Number: Plandfill Operator Mike Shalati PO Box 987 Union County Public Works 704-283-3819 Fax Number: Plandfill Operator Mike Shalati PO Box 987 Union County Public Works 704-283-3819 Fax Number: Plandfill Operator Mike Shalati PO Box 987 Union County Public Works 704-283-3819				E. CONTACT INFOR	RMATION						× · · · <
Mailing Address: PO Box 987 Union County Public Works Phone Number: Tax Number: Po Box 987 Union County Public Works 704-283-3819 Fax Number: Po Box 987 Union County Public Works 704-283-3819 Fax Number: Po Box 987 Union County Public Works 704-283-3819 Fax Number: Po Box 987 Union County Public Works 704-283-3819			Landfill	Owner			Landfill (Operator	Γ		
Union County Public Works 704-283-3819 Fax Number: *Itallicized indicates values estimated by EPA. December 5, 1998 STAR Number: Union County Public Works 704-283-3819 *Itallicized indicates values estimated by EPA. December 5, 1998 STAR Number: 41	Contact Name:	Mike Shalati			Mike	Shalati					
Union County Public Works 704-283-3819 Fax Number: *Itallicized indicates values estimated by EPA. December 5, 1998 STAR Number: Union County Public Works 704-283-3819 *Itallicized indicates values estimated by EPA. December 5, 1998 STAR Number: 41	Mailing Address:	PO Box 987			PO Bo	ox 987					
Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 STAR Number: 41	-		Public Works		1		ıblic Works				
Fax Number: * Itallicized indicates values estimated by EPA. December 5, 1998 STAR Namion 10 (LIMOR)	Phone Number:	_				-					
CTAP Varion 10/1MOP	Fax Number:										
CTAD Varion 10/1MOD	* Itallicized indicates v	alues estimated	by EPA.	Dec	ember 5, 199	8	State	e: NC	Page	»:	41
STAR VERSION 1.07 LIMOP	CTAD Vone										

			Wake County			Landfill Cat	egory: Candidate
		A. G	ENERAL LANDFILL	INFORMAT	ION		
Landfill Owner:	Wake (County	A	Annual Accep	tance Rate (to	ns):	119,382
Landfill Owner Type:			Y	ear Annual A	Acceptance Ra	te Reported:	1993
Alternative Landfill N	lame: Wake (County South LF	E	Design Capaci	ty (tons):		
City:	Raleigh	า	A	Acres Current	ly Landfilled (acres):	
County:	Wake		A	Average Deptl	n (feet):		
State:	NC		V	Vaste-in-Place	e (tons):		1,786,691
Year Open:	1984		1	998 Waste-in	-Place (tons):		2,061,567
Year Closed:	2003						
	HANDY KIND	J	B. LANDFILL GAS CO	LLECTION		and the second	
Estimated Methane G	eneration (mmsc	·f/d):		0.95			
LFG Collection Syste	m Status:						
Current LFG Collecte	d (mmscf/d):						
Collection and Treatm	nent System Requ	uired Under NSF	PS/EG:	No			
Ž.			C. LANDFILL GAS UT	ILIZATION	I.		
Current Utilization:							
Utilization Syste	m Status:	Unknown					
Utilization Syste	т Туре:	Unknown					
Utilization Syste	m Start Year:						
Electric Utility P	rovider(s):						
Natural Gas Prov	vider(s):						
Energy Purchase	r(s):						
Capacity:		Electrici	ty Generation Project (M	W) (OR I	Direct Use Project (mn	nBtu/hr)
Estimated Potent	ial Capacity			3			
Estimated Potent				3			30
Current Capacity	:			3			
Current Capacity Planned Capacity	:						30
Current Capacity Planned Capacity Utilities in County:	:		ng Dept; Carolina Power	& Light Com			30
Current Capacity Planned Capacity	:		ng Dept; Carolina Power	& Light Com		ower Co; Southeastern	30
Current Capacity Planned Capacity Utilities in County:	: /: - ³ 4		ROMENTAL BENEFIT	& Light Com	ZATION		30 Power Admin
Current Capacity Planned Capacity Utilities in County:	ons/yr):	D. ENVII	ROMENTAL BENEFIT	& Light Com	ZATION 5,465		30 Power Admin ent 0
Current Capacity Planned Capacity Utilities in County:	ons/yr):	D. ENVII	ROMENTAL BENEFIT	& Light Com	ZATION		30 Power Admin
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to	cons/yr):	D. ENVII	ROMENTAL BENEFIT	& Light Com	5,465 114,771	Curre	30 Power Admin ent 0 0
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to	cons/yr):	D. ENVII	ROMENTAL BENEFIT	& Light Com	5,465 114,771		30 Power Admin ent 0 0
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to	cons/yr):	D. ENVII ns/yr): placement:	Pot Electricity Gene CO2 (tons/yr)	& Light Com S OF UTILI cential cration Project	5,465 114,771	Curre Direct Use of CO2 (tons/yr)	Project SO2 (tons/yr)
Current Capacity Planned Capacity Utilities in County:	cons/yr):	D. ENVII ns/yr): placement: Coal:	Pot Electricity Gene CO2 (tons/yr) 23,678	& Light Com S OF UTILI cential cration Project	5,465 114,771 et ns/yr) 150	Direct Use of CO2 (tons/yr) 16,458	Project SO2 (tons/yr)
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to	cons/yr): H4 Reduction (to) Fossil Fuel Disp	D.ENVII ns/yr): placement: Coal: Fuel Oil:	Electricity Gene CO2 (tons/yr) 23,678 19,434	& Light Com S OF UTILI cential cration Project	5,465 114,771 11 11ss/yr) 150 125	Direct Use of CO2 (tons/yr) 16,458 13,508	Project SO2 (tons/yr) 150
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to	: v: ons/yr): H4 Reduction (to) Fossil Fuel Disp	D.ENVII ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electricity Gene CO2 (tons/yr) 23,678 19,434 13,068	& Light Comes of UTILI Sential Peration Project SO2 (tor	5,465 114,771 et as/yr) 150 125 0	Direct Use of CO2 (tons/yr) 16,458	30 Project SO2 (tons/yr)
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to	cons/yr): H4 Reduction (to) Fossil Fuel Disp	D.ENVII ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electricity Gene CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOR	& Light Comes of UTILI Sential Peration Project SO2 (tor	5,465 114,771 11 11ss/yr) 150 125	Direct Use of CO2 (tons/yr) 16,458 13,508 9,083	30 Power Admin ent 0 0 Project SO2 (tons/yr) 150 79
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CF Emissions Avoided by	cons/yr): H4 Reduction (to) Fossil Fuel Disp	D.ENVII ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electricity Gene CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOR	& Light Com S OF UTILI Pential Peration Project SO2 (tor	5,465 114,771 et 1ss/yr) 150 125 0	Direct Use of CO2 (tons/yr) 16,458 13,508	30 Power Admin ent 0 0 Project SO2 (tons/yr) 150 79
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CF Emissions Avoided by	cons/yr): H4 Reduction (to) Fossil Fuel Disp N Phil Carter	D.ENVII ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electricity Gene CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOR	& Light Comes of UTILI Sential Peration Project SO2 (tor	5,465 114,771 2t 2s/yr) 150 125 0	Direct Use of CO2 (tons/yr) 16,458 13,508 9,083	30 Power Admin ent 0 0 Project SO2 (tons/yr) 150 79
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of CF Emissions Avoided by	ons/yr): H4 Reduction (to) Fossil Fuel Disp N Phil Carter PO Box 550	D.ENVII ns/yr): Coal: Fuel Oil: datural Gas:	Electricity Gene CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOR	& Light Comes of UTILI Sential Peration Project SO2 (tor	5,465 114,771 et 1ss/yr) 150 125 0	Direct Use of CO2 (tons/yr) 16,458 13,508 9,083	Project SO2 (tons/yr) 150
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of Ch Emissions Avoided by Contact Name: Mailing Address:	cons/yr): H4 Reduction (to) Fossil Fuel Disp N Phil Carter	D.ENVII ns/yr): Coal: Fuel Oil: datural Gas:	Electricity Gene CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOR	& Light Comes of UTILI Sential Peration Project SO2 (tor	5,465 114,771 2t 2s/yr) 150 125 0	Direct Use of CO2 (tons/yr) 16,458 13,508 9,083	Project SO2 (tons/yr) 150
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to CO2 Equivalent of Ch Emissions Avoided by Contact Name: Mailing Address:	ons/yr): H4 Reduction (to) Fossil Fuel Disp N Phil Carter PO Box 550	D.ENVII ns/yr): Coal: Fuel Oil: datural Gas:	Electricity Gene CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOR	& Light Comes of UTILI Sential Peration Project SO2 (tor	5,465 114,771 2t 2s/yr) 150 125 0	Direct Use of CO2 (tons/yr) 16,458 13,508 9,083	30 Power Admin ent 0 0 Project SO2 (tons/yr) 150 79
Current Capacity Planned Capacity Utilities in County: Methane Reduction (to	ons/yr): H4 Reduction (tout) Fossil Fuel Disp N Phil Carter PO Box 550 Solid Waste De	D.ENVII ns/yr): Coal: Fuel Oil: datural Gas:	Electricity Gene CO2 (tons/yr) 23,678 19,434 13,068 E. CONTACT INFOR	& Light Comes of UTILI Sential Peration Project SO2 (tor	5,465 114,771 150 125 0	Direct Use of CO2 (tons/yr) 16,458 13,508 9,083	30 Power Admin ent 0 0 Project SO2 (tons/yr) 150 79

		Wake County La		Landfill Category:	Current
	. A. G	ENERAL LANDFILL I	NFORMATION		
Landfill Owner:		A	nnual Acceptance Rate (to	ns):	
Landfill Owner Type: Public		Y	ear Annual Acceptance Ra	te Reported:	1998
Alternative Landfill Name:		D	esign Capacity (tons):		
City: Raleigh	า	А	cres Currently Landfilled (acres):	
County:		А	verage Depth (feet):		
State: NC		1	998 Waste-in-Place (tons):	:	
Year Open:		1	998 Waste-in-Place (tons):		
Year Closed:					
	I	LANDFILL GAS CO	LLECTION		
Estimated Methane Generation (mmsc	f/d):				
LFG Collection System Status:					
Current LFG Collected (mmscf/d):			1.4		
Collection and Treatment System Requ	uired Under NSP	S/EG:	No		
	(C. LANDFILL GAS UT	ILIZATION		
Current Utilization:					
Utilization System Status:	Operational				
Utilization System Type:	Boiler				
Utilization System Start Year:	1997				
Electric Utility Provider(s):					
Natural Gas Provider(s):					
Energy Purchaser(s):	Mallinckrodt	Chemical			
Composituu	Eleatrici	Concretion Project (MI	W) OR I	Direct Hee Project (mmPtu/hr)	
Capacity:	Electricii	y Generation Project (M'	W) OR I	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:		•			
Current Capacity:					29
Planned Capacity:					
Utilities in County:					
	D. ENVIR	OMENTAL BENEFIT	S OF UTILIZATION (
		Pote	ential	Current	
Methane Reduction (tons/yr):					
CO2 Equivalent of CH4 Reduction (to	ns/yr):				
	_				
Emissions Avoided by Fossil Fuel Disp	placement:	Electricity Gene	-	Direct Use Project	
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) $SO2 ($	(tons/yr)
	Coal:				
	Fuel Oil:				
X	atural Gas:				
	I 46'11 (E. CONTACT INFOR	MATION		<u> </u>
	Landfill (JWHEF		Landfill Operator	
Contact Name:					
Mailing Address:					
Phone Number:			919-856-6186		
Fax Number:					
	hv FPA		ember 5 1998	State: NC Page:	43

		-	Wayne Count	•		Landfill Category	: Candidate
200 mm		A. G	ENERAL LANDFILL	INFORMAT	TON		
Landfill Owner:				Annual Accep	tance Rate	(tons):	92,545
Landfill Owner Type:	Public		•	Year Annual .	Acceptance	Rate Reported:	1993
Alternative Landfill N	ame:		I	Design Capac	ity (tons):	•	
City:	Dudley		,	Acres Current	ly Landfille	ed (acres):	
County:	Wayne		,	Average Dept	h (feet):		
State:	NC		,	Waste-in-Plac	e (tons):		2,416,380
Year Open:	1973		i	1998 Waste-ir	ı-Place (ton	s):	2,617,745
Year Closed:	2012						
. &		1	B. LANDFILL GAS CO	LLECTION	1		
Estimated Methane Ge	eneration (mmsc	f/d)·		1.09			
LFG Collection System		μα).		1.07			
Current LFG Collected							
Collection and Treatm		uired Under NSP	S/EG:	No			
Concetion and Treatm	em system neq		C. LANDFILL GAS U		V		
	·						
Current Utilization:	0						
Utilization System		Unknown					
Utilization System		Unknown	•				
Utilization System							
Electric Utility Pr							
Natural Gas Provi							
Energy Purchaser	(s):	•					
Capacity:		Electrici	y Generation Project (M	IW)	OR	Direct Use Project (mmBtu/h	nr)
Estimated Potenti	al Capacity:			3 .			34
Current Capacity:							
Planned Capacity	:						
Utilities in County:		Carolina Pov	ver & Light Company; F	remont Light	& Water D	ept; Pikeville Electric Dept; Pit	tt & Gree
		D. ENVIR	OMENTAL BENEFIT	S OF UTIL	IZATION		
Abort Sc			Po	tential		Current	
Methane Reduction (to	ns/vr)·		10	·Ciiiui	6,288		0
CO2 Equivalent of CH		ıs/vr):			132,042		0
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Gene	eration Proje	ct	Direct Use Projec	ct
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr) So	O2 (tons/yr)
		Coal:	26,835		170	18,935	172
		Fuel Oil:	22,025		142	15,541	91
	N	atural Gas:	14,810		0	10,450	0
			E. CONTACT INFO	RMATION			
		Landfill (Owner			Landfill Operator	
Contact Name:	Dan McGraw,	Solid Waste Mar	nager	Lloyo	l Cook		
Mailing Address:	460 B South La	andfill Road		115 S	South Willia	m Street	
Phone Number:	919-689-2994			919-6	689-2994		
Fax Number:							
* Itallicized indicates v	alues estimated	by EPA.	Dec	cember 5, 199	98	State: NC Page	: 44

		Wilder's Grove Lar	ndfill	Landfill Cates	gory: Current
	A	GENERAL LANDFILL IN	FORMATION		
Landfill Owner:		Anı	nual Acceptance Rate (t	ons):	268,428
Landfill Owner Type:	Public	Yea	ar Annual Acceptance R	ate Reported:	1993
Alternative Landfill Name:	City of Raleigh LF	Des	sign Capacity (tons):		
City:	Raleigh	Acr	res Currently Landfilled	(acres):	125
County:	Wake	Ave	erage Depth (feet):		100
State:	NC	199	94 Waste-in-Place (tons):	4,535,930
Year Open:	1972	199	8 Waste-in-Place (tons)) :	5,607,790
Year Closed:	2002				
	100 Carlot (100 Ca	B. LANDFILL GAS COL	LECTION		(A) 237
Estimated Methane Generatio	on (mmscf/d):		1.85		
LFG Collection System Status	•	Opera	ational		
Current LFG Collected (mmse		•	2.0		
Collection and Treatment Sys	tem Required Under N	NSPS/EG:	No		
		C. LANDFILL GAS UTII	IZATION		
Current Utilization:					
Utilization System Status	s: Operation	nal			
Utilization System Type:	•				
Utilization System Start					
Electric Utility Provider(
Natural Gas Provider(s):	.~/.				
Energy Purchaser(s):	Aiinomot	to USA, Inc.			
	-) OR	Direct Lice Project (mm) } }
Capacity:		ricity Generation Project (MW	<u> </u>	Direct Use Project (mmF	
Estimated Potential Capa	acity:		6		58 _.
Current Capacity:					42
Planned Capacity:					
Utilities in County:	Apex Lig	hting Dept; Carolina Power &	Light Company; Duke	Power Co; Southeastern F	Power Admin
	D.EN	VIROMENTAL BENEFITS	OF UTILIZATION	(1) A. H. (1) (1) (1) (1) (1) (1)	
		Poten	tial	Curren	it
Methane Reduction (tons/yr):			10,709		7,709
CO2 Equivalent of CH4 Redu	ction (tons/yr):		224,897		161,885
Emissions Avoided by Fossil I	Fuel Displacement:	Electricity Genera	•	Direct Use Pr	-
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	45,778	289	32,250	293
	Fuel Oil:	37,573	242	26,469	154
	Natural Gas:	25,264	0	17,798	0
					U
		P CONTRACTOR INTEGRAL	#ATTONI		0
	Landf	Li COLLI CI EL CAL	1ATION	Landfill Operator	Ů
Control Name	Landf	E. CONTACT INFORM ill Owner		Landfill Operator	***************************************
Contact Name: Jimmy			Jimmy Johnson		***************************************
, , , , , , , , , , , , , , , , , , , ,	Landf y Johnson				***************************************
, , , , , , , , , , , , , , , , , , , ,	Landf y Johnson		Jimmy Johnson		***************************************
Mailing Address: PO Bo	Landf y Johnson		Jimmy Johnson		***************************************
Mailing Address: PO Bo	Landf y Johnson ox 590		Jimmy Johnson PO Box 590		***************************************

			Wilson County	/ LF	Landfill Cat	egory: Candidat
		A. GE	NERAL LANDFILL I	NFORMATION		
Landfill Owner:	Wilson	County	A	nnual Acceptance Rate ((tons):	123,875
Landfill Owner Type:	Public		Y	ear Annual Acceptance	Rate Reported:	1993
Alternative Landfill Na	ame:		D	esign Capacity (tons):		
City:	Wilson	I	Α	cres Currently Landfille	d (acres):	
County:	Wilson	1	Α	verage Depth (feet):		
State:	NC		W	/aste-in-Place (tons):		2,826,258
Year Open:	1973		19	998 Waste-in-Place (tons	s):	2,826,259
Year Closed:	1996			·		
₩ • • • • • • • • • • • • • • • • • • •		В.	LANDFILL GAS CO	LLECTION		
Estimated Methane Ge	neration (mmsc	:f/d):		1.14	•	
LFG Collection System	_	,				
Current LFG Collected						
Collection and Treatme	,	uired Under NSPS	/EG:	No		
	A. i.		LANDFILL GAS UT	ILIZATION		
Current Utilization:				•		
Utilization System	n Status:	Unknown				
Utilization System		Unknown				
Utilization System		Chkhown				
Electric Utility Pro						
Natural Gas Provi						
Energy Purchaser	* *	Wrangler Corp	•			
Life By Turenaser	(6).	Wingler Corp	5.			
Capacity:		Electricity	Generation Project (M)	W) OR	Direct Use Project (mn	nBtu/hr)
Capacity: Estimated Potentia	al Capacity:	Electricity	Generation Project (MV	W) OR 4	Direct Use Project (mn	nBtu/hr)
		Electricity	Generation Project (MV		Direct Use Project (mn	
Estimated Potentia		Electricity	Generation Project (MV		Direct Use Project (mn	
Estimated Potential Current Capacity: Planned Capacity:				4		36
Estimated Potential Current Capacity: Planned Capacity:		Black Creek E	llectric Dept; Carolina P	4 Power & Light Company	Direct Use Project (mn	36
Estimated Potential Current Capacity: Planned Capacity:		Black Creek E	llectric Dept; Carolina P	4 Cower & Light Company; S OF UTILIZATION	; Edgecombe-Martin Cou	36 unty EMC; Luc
Estimated Potential Current Capacity: Planned Capacity: Utilities in County:	:	Black Creek E	llectric Dept; Carolina P	4 Power & Light Company S OF UTILIZATION		36 unty EMC; Luc
Estimated Potential Current Capacity: Planned Capacity: Utilities in County:	: ns/yr):	Black Creek E	llectric Dept; Carolina P	4 Cower & Light Company: S OF UTILIZATION cential 6,596	; Edgecombe-Martin Cou	36 unty EMC; Luc ent
Estimated Potential Current Capacity: Planned Capacity: Utilities in County:	: ns/yr):	Black Creek E	llectric Dept; Carolina P	4 Power & Light Company S OF UTILIZATION	; Edgecombe-Martin Cou	36 unty EMC; Luc ent
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CH-	ns/yr): 4 Reduction (to	Black Creek E D. ENVIRO ns/yr):	llectric Dept; Carolina P	dower & Light Company; S OF UTILIZATION ential 6,596 138,518	; Edgecombe-Martin Cou	36 unty EMC; Luc ent
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CH-	ns/yr): 4 Reduction (to	Black Creek E D. ENVIRO ns/yr):	llectric Dept; Carolina P DMENTAL BENEFIT: Pote	dower & Light Company; S OF UTILIZATION ential 6,596 138,518	; Edgecombe-Martin Cou Curre	anty EMC; Luc ent (
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CH-	ns/yr): 4 Reduction (to	Black Creek E D. ENVIRO ns/yr): placement:	Electric Dept; Carolina P OMENTAL BENEFIT: Pote Electricity General CO2 (tons/yr)	Power & Light Company S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr)	Edgecombe-Martin Cou Curre Direct Use CO2 (tons/yr)	anty EMC; Luc ent ((Project SO2 (tons/yr,
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CH-	: ns/yr): 4 Reduction (to)	Black Creek E D. ENVIRO ns/yr): placement: Coal:	Electric Dept; Carolina P OMENTAL BENEFIT: Pote Electricity Generation (CO2 (tons/yr)) 28,414	d Vower & Light Company; S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr) 180	Edgecombe-Martin Court Curre Direct Use CO2 (tons/yr) 19,863	anty EMC; Luc ent ((Project SO2 (tons/yr,
Current Capacity:	: ns/yr): 4 Reduction (tot Fossil Fuel Disp	Black Creek E D. ENVIRO ns/yr): placement: Coal: Fuel Oil:	Electricity General CO2 (tons/yr) 28,414 23,321	Power & Light Company S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr)	Direct Use CO2 (tons/yr) 19,863 16,303	anty EMC; Luc ent Project SO2 (tons/yr,
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CH4	: ns/yr): 4 Reduction (tot Fossil Fuel Disp	Black Creek E D. ENVIRO ns/yr): placement: Coal:	Electric Dept; Carolina P OMENTAL BENEFIT: Pote Electricity Generation (CO2 (tons/yr)) 28,414	d Vower & Light Company; S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr) 180	Edgecombe-Martin Court Curre Direct Use CO2 (tons/yr) 19,863	anty EMC; Luc ent
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CH-	: ns/yr): 4 Reduction (tot Fossil Fuel Disp	Black Creek E D. ENVIRO ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electric Dept; Carolina P Pote Electricity General CO2 (tons/yr) 28,414 23,321 15,681 E. CONTACT INFOR	d vower & Light Company: S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr) 180 150 0	Direct Use CO2 (tons/yr) 19,863 16,303 10,962	anty EMC; Luc ent Project SO2 (tons/yr) 181
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CH-	: ns/yr): 4 Reduction (to) Fossil Fuel Disp	Black Creek E D. ENVIRO ns/yr): placement: Coal: Fuel Oil: datural Gas:	Electric Dept; Carolina P Pote Electricity General CO2 (tons/yr) 28,414 23,321 15,681 E. CONTACT INFOR	d vower & Light Company: S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr) 180 150 0	Direct Use CO2 (tons/yr) 19,863 16,303	36 unty EMC; Luc ent ((Project SO2 (tons/yr, 181
Estimated Potentic Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (too CO2 Equivalent of CH4 Emissions Avoided by I	: ns/yr): 4 Reduction (to) Fossil Fuel Disp	Black Creek E D. ENVIRO ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electric Dept; Carolina P Pote Electricity General CO2 (tons/yr) 28,414 23,321 15,681 E. CONTACT INFOR	d vower & Light Company: S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr) 180 150 0	Direct Use CO2 (tons/yr) 19,863 16,303 10,962	36 unty EMC; Luc ent ((Project SO2 (tons/yr, 181
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CHariesians Avoided by I	ns/yr): 4 Reduction (tor	Black Creek E D. ENVIRO ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electric Dept; Carolina P Pote Electricity General CO2 (tons/yr) 28,414 23,321 15,681 E. CONTACT INFOR	A Cower & Light Companys S OF UTILIZATION Ential 6,596 138,518 ration Project SO2 (tons/yr) 180 150 0	Curro Direct Use CO2 (tons/yr) 19,863 16,303 10,962 Landfill Operator	36 unty EMC; Luc ent ((Project SO2 (tons/yr, 181
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CHariesians Avoided by I	ns/yr): 4 Reduction (ton Fossil Fuel Disp	Black Creek E D. ENVIRO ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electric Dept; Carolina P Pote Electricity General CO2 (tons/yr) 28,414 23,321 15,681 E. CONTACT INFOR	A Cower & Light Company: S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr) 180 150 0 MATION Marvin Mercer	Curro Direct Use CO2 (tons/yr) 19,863 16,303 10,962 Landfill Operator	anty EMC; Luc ent ((Project SO2 (tons/yr, 18)
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (total CO2 Equivalent of CH4 Emissions Avoided by I	ns/yr): 4 Reduction (ton Fossil Fuel Disp	Black Creek E D. ENVIRO ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electric Dept; Carolina P Pote Electricity General CO2 (tons/yr) 28,414 23,321 15,681 E. CONTACT INFOR	A Cower & Light Company: S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr) 180 150 0 MATION Marvin Mercer	Curro Direct Use CO2 (tons/yr) 19,863 16,303 10,962 Landfill Operator	anty EMC; Luc ent ((Project SO2 (tons/yr, 18)
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (too CO2 Equivalent of CH4 Emissions Avoided by It Contact Name: Mailing Address:	ns/yr): 4 Reduction (tor Fossil Fuel Disp N Steve Clayton, PO Box 1728	Black Creek E D. ENVIRO ns/yr): placement: Coal: Fuel Oil: latural Gas:	Electric Dept; Carolina P Pote Electricity General CO2 (tons/yr) 28,414 23,321 15,681 E. CONTACT INFOR	A Power & Light Companys S OF UTILIZATION ential 6,596 138,518 ration Project SO2 (tons/yr) 180 150 0 MATION Marvin Mercer 1900 Goldshore S	Curro Direct Use CO2 (tons/yr) 19,863 16,303 10,962 Landfill Operator	36 unty EMC; Luc ent ((Project SO2 (tons/yr, 181

		Yancey/Mitchell Co		Landfill Category:	Candidate
	A. G	ENERAL LANDFILL IN	FORMATION		
Landfill Owner:	Yancey County	Ar	nual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Ye	ar Annual Acceptance I	Rate Reported:	1993
Alternative Landfill Name:		De	esign Capacity (tons):		
City:		Ac	res Currently Landfilled	d (acres):	6
County:	Yancey	Av	erage Depth (feet):		50
State:	NC	19	998 Waste-in-Place (tons	s):	384,804
Year Open:	1973	19	98 Waste-in-Place (tons	·):	384,804
Year Closed:	1994				
	1	B. LANDFILL GAS COL	LECTION		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Estimated Methane General	tion (mmscf/d):		0.14		
LFG Collection System Stat	tus:				
Current LFG Collected (mm	nscf/d):				
Collection and Treatment Sy	ystem Required Under NSF	PS/EG:	No		
		C. LANDFILL GAS UTI	LIZATION		
Current Utilization:					
Utilization System Stat	us: Planned				
Utilization System Typ		nal			
Utilization System Star					
Electric Utility Provide					
Natural Gas Provider(s):				
Energy Purchaser(s):					
Committee	Plantici	to Commention Designs (MI)	D OB	Discot Has Desirat (see Day (le	>
Capacity:		ty Generation Project (MV		Direct Use Project (mmBtu/h	
Estimated Potential Ca	pacity:		0		4
Current Capacity:					
Planned Capacity:					
Utilities in County:	Carolina Pov	wer & Light Company; Fre	nch Broad Elec Membe	r Corp; Tennessee Valley Auth	ority
	D.ENVII	ROMENTAL BENEFITS	OF UTILIZATION		
	The second of th	Potei		Current	
Methane Reduction (tons/yr	١٠	rotes	786	Current	0
CO2 Equivalent of CH4 Red			16,512		0
CO2 Equivalent of C114 Red	iuction (tons/yr).		10,512		
Emissions Avoided by Fossi	l Fuel Displacement:	Electricity Genera	ation Project	Direct Use Projec	t
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SC)2 (tons/yr)
	Coal:	3,157	20	2,368	22
	!				i
	Fuel Oil:	2,591	17	1,943	11
	Natural Gas:	1,742	0	1,307	0
		E. CONTACT INFOR	MATION		
	Landfill (Owner		Landfill Operator	
Contact Name: H.D	. Miller		Earl Tipton		
Mailing Address:			Yancey County C	ourthouse	
			Room 11		
Phone Number: 704.	675-4043		704-682-3971		
''	·U/J -4U+ J		704-002-39/1		
Fax Number:					
* Itallicized indicates values	estimated by EPA	Dece	mber 5, 1998	State: NC Page	: 47
i	zz	5000		Tage	• • •