

2258 Riverside Avenue Jacksonville, Florida 32204 Ph. 904.388.8821 Fax.904.388.8163 www.geosyntec.com

27 February 2008

Mr. James N. Bradner, P.E. Program Administrator Air Resources Management Department of Environmental Protection 3319 Maguire Blvd, Ste 232 Orlando, FL 32803-3767 RECEIVED
FEB 28 2008
DEP Central Dist.

Subject:

Transmittal of Annual Operating Report for Air Pollutant Emitting Facility

Title V Permit No. 0610015-003-AV Indian River County Landfill Facility

Vero Beach, Florida

Dear Mr. Bradner:

On behalf of Indian River County Solid Waste Disposal District (SWDD), Geosyntec Consultants (Geosyntec) has prepared this Annual Operating Report (DEP Form No. 62-210.900(5)) in fulfillment of Rule 62-210.370(3), F.A.C and requirements set forth by the Title V permit for this facility. Copies of this report have been sent to the Environmental Protection Agency (Region 4) and the Tallahassee office of the Florida Department of Environmental Protection.

Should you have any questions, please do not hesitate to contact the undersigned at (904) 388-8821.

Sincerely,

Wade Tyner, EI Staff Engineer

Copies to:

Beverly H. Banister, USEPA, Region 4

Joseph Kahn, FDEP Tallahassee Himanshu Mehta, SWDD



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Department of **Environmental Protection**

Division of Air Resources Management

ANNUAL OPERATING REPORT FOR AIR POLLUTANT EMITTING FACILITY RECEIVED See Instructions for Form No. 62-210 900(5)

See Instructions for Form No. 62-210.900(5)

FEB 28 2008

I. FACILITY REPORT

DEP Central Dist.

A. REPORT INFORMATION				
1. Year of Report 2. Number of Emissions		r of Emissions Units in Report		
2007		1		
B. FACILITY INFORMATION	J			
Facility ID	2. Facility Sta		3. Date of Permanent	
0610015	•	IVE	Facility Shutdown	
0010015			Tability Shataowii	
4. Facility Owner/Company N	ame		<u> </u>	
INDIAN RIVER COU	NTY, SWDD	·		
5. Site Name	• *			
		_		
INDIAN RIVER	CO LANDFIL	L		
6. Facility Location		th		
Street Address or Other Loc		th Avenue SW		
City: VERO BEACH	County:	INDIAN RIVE	R Zip Code: 32968	
7. Facility Compliance	8. Governmen	-	9. Facility SIC(s)	
Tracking Code A	Code 3	1	4953	
10. Facility Comment The air	ourtain incinar	atar was nhysia	polly removed from the site in	
2000. An active landfill gas co				
SWDD in 2005 and has been in		and the second s	e was voluntarily installed by	
·				
C. FACILITY HISTORY INFO	ORMATION			
1. Change in Facility Owner/	Previous Name	2	2. Date of Change	
Company Name During				
Year?				

1

DEP Form No. 62-210.900(5) - Form

Effective: 2/11/99

Facility ID:

D. OWNER/CONTACT INFORMATION

1. Owner or Authorized Representative

	H. Mehta, P.E. Director
 Mailing Address	River County Solid Waste Disposel District

Organization/Firm: Indian River County, Solid Waste Wisposal VI.

Street Address: 1325 74th Avenue SW

City: Vero Beach State: FL Zip Code: 32968

Telephone: (772) 770-5112 Fax: (772) 770-5296

2. Facility Contact

Name and Title	Kwasi *Badu-Tweneboah, Ph. N., P.E.	
	Associate	
Mailing Address		_

Organization/Firm: Geosyntec Consultants
Street Address: 2258 Riverside Avenue
City: Jacksonville State: FL Zip Code: 32204

Telephone: (904) 388-8821 Fax: (904) 388-8/63

E. OWNER OR AUTHORIZED REPRESENTATIVE STATEMENT

I hereby certify that the information given in this report is correct to the best of my knowledge.

wledge.

Signature Himanshu H. Mehta, P.E.

Managing Director

2-26-08 Date

Date

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Emissions Unit ID: 003 **Facility ID: 0610015**

II. EMISSIONS UNIT REPORT

A. EMISSIONS UNIT INFORMATION

1. Emissions Unit Description					
	MUNICIPAL SOLID WASTE LANDFILL WITH FLARE				
2.	Emissions Unit ID	3. Emissions Unit	4. Operated During Year?		
	003	Classification	Y		
		Regulated Emission Unit			
5.	DEP Permit or PPS	6. Emissions Unit Status	7. Ozone SIP Base Year		

ACTIVE

9. Long-term Reserve

Shutdown Date

7. Ozone SIP Base Year **Emissions Unit?** N 10. Permanent Shutdown

Date

B. EMISSION POINT/CONTROL INFORMATION

1. Emissions Point Type NO TRUE EMISSION POINT (FUGITIVE EMISSION)

Number: 0610015003AV

8. Emissions Unit Startup

Date

2a. Description of Control Equipment 'a'

FLARING

2b. Description of Control Equipment 'b'

C. EMISSIONS UNIT OPERATING SCHEDULE INFORMATION

1. Average Annual Operation	n	2.	Total Operation During
			Year (hours/year)
hours/day 24	days/week 7		9760

3. Percent Hours of Operation by Season

JJA: 25

DJF: 25 MAM: 25

4. Average Ozone Season Operation (June 1 to August 31)

3

SON: 25 5. Total Operation During

Ozone Season

(days/season)

days/week 7 hours/day 24

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D. EMISSIONS UNIT COMME		· · · · · · · · · · · · · · · · · · ·	<u> </u>	
Landfill emissions were establi	_			
results. An active landfill gas c of the landfill. The system was				
repaired, and is presently in ro				
addition of 9 vertical extraction				
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		,		
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Effective: 2/11/99

Facility ID: 0610015 Emissions by Process/Fuel		
E. EMISSIONS INFORMAT	TON BY PROCESS/FUEL	
(1) PROCESS/FUEL INFOR	MATION	
1. SCC	2. Description of Process or Type	oe of Fuel
5-02-006-02		Landfill Dump
	Solid Waste Disposal Emissions	Municipal: Fugitive
3. Annual Process or Fuel	4. Ozone Season Daily Process	5. SCC Unit
Usage Rate 999999	or Fuel Usage Rate	Acre-Years Existing Landfill
6. Fuel Average % Sulfur	7. Fuel Average % Ash	8. Fuel Heat Content (mmBtu/SCC Unit)
(2) EMISSIONS INFORMA	IION	
	methane Organic Compounds fr	om MSW Landfill
[X] B	elow Threshold	
		[] Not Emitted
2a. Annual Emissions	3a. Ozone Season Daily	4a. Emissions Method Code
(ton/year) 27.37	Emissions (lb/day)	1
Uncontrolled Emission: 27. Controlled Emission: 21.12 Uncontrolled emissions are 397 ppmv (Segment 2). The	Mg/yr (58 kg/day) based on NMOC concentration of seconcentrations were established. Controlled emissions were calculated as the controlled emissions were established as the controlled emissions were established emissions were emissions were emissions were established emissions were emissions as the controlled emissions were emissions were emissions as the controlled emissions and the controlled emissions as the controlled emissions are emissions as the controlled emissions as the cont	of 250 ppmv (Segment 1) and ed by Tier 2 testing
1b. Pollutant VOC		[X] Below Threshold [] Not Emitted
2b. Annual Emissions	3b. Ozone Season Daily	4b. Emissions Method Code
(ton/year) 23.26	Emissions (lb/day)	3
VOC = NMOC x 0.85 (AP- Uncontrolled Emissions: 23 Controlled Emissions: 17.9	3.26 Mg/yr (64 kg/day)	
1c. Pollutant 'c'		[] Below Threshold [] Not Emitted
·		

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Facility ID: 0610015 Emissions by Process/Fuel	Emissions Unit ID: 003	
2c. Annual Emissions (ton/year)	3c. Ozone Season Daily Emissions (lb/day)	4c. Emissions Method Code
5c. Emissions Calculation (Sh	now separately both annual and	daily emissions calculations)
(2) EMISSIONS INFORMAT	ION (Continued)	
1d. Pollutant 'd'		[] Below Threshold [] Not Emitted
2d. Annual Emissions (ton/year)	3d. Ozone Season Daily Emissions (lb/day)	4d. Emissions Method Code
5d. Emissions Calculation (Sh	now separately both annual and	daily emissions calculations)
1e. Pollutant 'e'		[] Below Threshold [] Not Emitted
2e. Annual Emissions (ton/year)	3e. Ozone Season Daily Emissions (lb/day)	4e. Emissions Method Code
5e. Emissions Calculation (St	now separately both annual and	daily emissions calculations)
1f. Pollutant 'f'		[] Below Threshold [] Not Emitted
2f. Annual Emissions (ton/year)	3f. Ozone Season Daily Emissions (lb/day)	4f. Emissions Method Code
5f. Emissions Calculation (Sl	now separately both annual and	daily emissions calculations)
1g. Pollutant 'g'		[] Below Threshold [] Not Emitted

Emissions by Process/Fuel	of		
2g. Annual Emissions (ton/year)	3g. Ozone Season Daily Emissions (lb/day)	4g. Emissions Method Code	
5g. Emissions Calculation (Show separately both annual and daily emissions calculations)			

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