



PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

DADE CITY (352) 523-2411
LAND O' LAKES (813) 996-2411
NEW PORT RICHEY (727) 847-8902
FAX (727) 847-8112

UTILITIES SERVICES BRANCH
ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DR.
NEW PORT RICHEY, FL 34654
E-MAIL: cmulhern@pascocountyfl.net

January 17, 2012

Dept. Of Environmental Protection

Ms. Susan Pelz
Waste Management Section
Florida Department of
Environmental Protection
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637

JAN 23 2012

Southwest District

RE: Hays Road Class I Landfill
Quarter I, 2012
Gas Monitoring

Dear Ms. Pelz:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. The gas monitoring was conducted using a CES Landtec GEM2000 Gas Meter. Calibration of the instrument was conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. The meter was allowed to run for three minutes and the highest reading obtained was recorded. All wells recorded 0.00% LEL at this site.

This completes the Quarter I, 2012 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern
Laboratory Manager

cc: MS 4565 Solid Waste Section, Florida DEP, 2600 Blair Stone Rd., Tallahassee, FL 32399-2400
Aamod Sonawane, CDM, Westshore Center Suite 875, 1715 North Westshore Blvd., Tampa, FL 33607
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
John Power, Solid Waste Facility Manager



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8864 GOVERNMENT DRIVE
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PHONE 727-847-8902

NELAC E44123
CONTACTS:
GLORIA KRUEGER
CHRIS CHILDRESS

REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74791 SAMPLE ID 2MW1 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 14:25
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	14:25	WM	0.0	D	% LEL	0
METER	1/11/2012	14:25	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	14:25	WM	DRY	D	Feet	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

THIS DOCUMENT MEETS NELAC STANDARDS

NELAC Certification # E44123



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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74792 SAMPLE ID 4MW1 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 14:30
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	14:30	WM	0.0	D	% LEL	0
METER	1/11/2012	14:30	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	14:30	WM	19.63	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74793 SAMPLE ID 2MW2 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 10:45
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	10:45	WM	0.0	D	% LEL	0
METER	1/11/2012	10:45	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	10:45	WM	19.63	D	Feet	0

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74794 SAMPLE ID 4MW2 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 10:50
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	10:50	WM	0.0	D	% LEL	0
METER	1/11/2012	10:50	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	10:50	WM	25.35	D	Feet	0

ANALYSIS COMMENTS:

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Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74795 SAMPLE ID 2MW4 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 10:10
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	10:10	WM	0.0	D	% LEL	0
METER	1/11/2012	10:10	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	10:10	WM	27.23	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74796 SAMPLE ID 4MW4 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 10:20
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	10:20	WM	0.0	D	% LEL	0
METER	1/11/2012	10:20	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	10:20	WM	27.23	D	Feet	0

ANALYSIS COMMENTS:

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Resource Recovery
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Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74797 SAMPLE ID 2MW5 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 9:15
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	9:15	WM	0.0	D	% LEL	0
METER	1/11/2012	9:15	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	9:15	WM	DRY	D	Feet	0

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Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74798 SAMPLE ID 4MW5 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 9:10
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	9:10	WM	0.0	D	% LEL	0
METER	1/11/2012	9:10	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	9:10	WM	24.66	D	Feet	0

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Date: 1/17/2012

SAMPLE NUMBER AB74799 SAMPLE ID 2MW6 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 11:05
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	11:05	WM	0.0	D	% LEL	0
METER	1/11/2012	11:05	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	11:05	WM	29.90	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74800 SAMPLE ID 4MW6 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 11:00
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	11:00	WM	0.0	D	% LEL	0
METER	1/11/2012	11:00	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	11:00	WM	27.90	D	Feet	0

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REPORT OF ANALYSES

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74801 SAMPLE ID 2MW7 @ CLASS III
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 13:30
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	13:30	WM	0.0	D	% LEL	0
METER	1/11/2012	13:30	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	13:30	WM	DRY	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74802 SAMPLE ID 2MW8 @ CLASS III
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 13:25
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	13:25	WM	0.0	D	% LEL	0
METER	1/11/2012	13:25	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	13:25	WM	DRY	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74803 SAMPLE ID 2MW10 @ CLASS III
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 13:20
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	13:20	WM	0.0	D	% LEL	0
METER	1/11/2012	13:20	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	13:20	WM	DRY	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74804 SAMPLE ID 4MW11D @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 11:40
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	11:40	WM	0.0	D	% LEL	0
METER	1/11/2012	11:40	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	11:40	WM	37.90	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74805 SAMPLE ID 4MW12D @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 11:10
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	11:10	WM	0.0	D	% LEL	0
METER	1/11/2012	11:10	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	11:10	WM	28.59	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74806 SAMPLE ID 2MW13 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 12:27
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	12:27	WM	0.0	D	% LEL	0
METER	1/11/2012	12:27	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	12:27	WM	DRY	D	Feet	0

ANALYSIS COMMENTS:

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74807 SAMPLE ID 4MW13D @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 12:22
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	12:22	WM	0.0	D	% LEL	0
METER	1/11/2012	12:22	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	12:22	WM	28.02	D	Feet	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74808 SAMPLE ID 4MW14D @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 12:32
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	12:32	WM	0.0	D	% LEL	0
METER	1/11/2012	12:32	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	12:32	WM	25.11	D	Feet	0

ANALYSIS COMMENTS:

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CHRIS CHILDRESS

REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74809 SAMPLE ID 2MW15 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 14:15
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	14:15	WM	0.0	D	% LEL	0
METER	1/11/2012	14:15	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	14:15	WM	24.66	D	Feet	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

THIS DOCUMENT MEETS NELAC STANDARDS

NELAC Certification # E44123



PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
PHONE 727-847-8902

NELAC E44123
CONTACTS:
GLORIA KRUEGER
CHRIS CHILDRESS

REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74810 SAMPLE ID 2MW17S @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 10:00
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	10:00	WM	0.0	D	% LEL	0
METER	1/11/2012	10:00	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	10:00	WM	29.87	D	Feet	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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CHRIS CHILDRESS

REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74811 SAMPLE ID 2MW18D @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 9:40
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	9:40	WM	0.0	D	% LEL	0
METER	1/11/2012	9:40	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	9:40	WM	29.30	D	Feet	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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NELAC E44123
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CHRIS CHILDRESS

REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 1/17/2012

SAMPLE NUMBER AB74812 SAMPLE ID 2MW19 @ RESREC
DATE SAMPLED 1/11/2012
DATE RECEIVED 1/12/2012 SAMPLER WMM
TIME RECEIVED 15:00 DELIVERED BY WMM

SAMPLE MATRIX GAS
TIME SAMPLED 9:30
RECEIVED BY AC
SAMPLE TYPE
Pumped

ANALYSIS

Percent Lower Explosive Limit
Percent Volume Methane
Water Level

ANALYSIS

METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
METER	1/11/2012	9:30	WM	0.0	D	% LEL	0
METER	1/11/2012	9:30	WM	0.0	D	% VOL	0
DEP-SOP	1/11/2012	9:30	WM	28.04	D	Feet	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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NELAC Certification # E44123