



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHWEST DISTRICT

LAND O' LAKES NEW PORT RICHEY (352) 511-4274 (813) 996-7341 (727) 847-8145 UTILITIES SERVICES BRANCH PUB. WKS./UTILITIES BLDG. S-213 7530 LITTLE ROAD NEW PORT RICHEY, FL 34654

August 06, 2003

Mr. John Morris
Waste Management Section
Florida Department of

Environmental Protection

3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill

Quarter III, 2003 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater and gas monitoring wells monitored were at 0 % LEL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in March, 2003. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. The instrument was allowed to run until a stable reading was obtained.

This completes the Quarter III, 2003 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director John Power, Solid Waste Facility Manager



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class | Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA21311

DATE SAMPLED 8/4/03

8/4/03 DATE RECEIVED

TIME RECEIVED 16:10 SAMPLE ID

GMP1 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:40

RECEIVED BY GK

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	8/4/03 8/4/03	11:40 11:40	CSC CSC			% LEL % VOL	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA21312

DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03

TIME RECEIVED 16:10 SAMPLE ID

SAMPLER

GMP2 @ RESREC

CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:30

RECEIVED BY GK

SAMPLE TYPE

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	8/4/03 8/4/03	11:30 11:30	CSC CSC	0.0 0.0		% LEL % VOL	-

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Page 2 of 6



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA21313 DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03 TIME RECEIVED

16:10

SAMPLE ID

SAMPLER CSC

DELIVERED BY CSC

Date: 8/5/03

SAMPLE MATRIX GAS TIME SAMPLED 11:20

RECEIVED BY GK

SAMPLE TYPE

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	8/4/03 8/4/03	11:20 11:20	CSC CSC	0.0 0.0		% LEL % VOL	

GMP3 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Colin Page 3 of 6



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA21314

DATE SAMPLED 8/4/03

DATE RECEIVED TIME RECEIVED 16:10

8/4/03

SAMPLER

SAMPLE ID

CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:40

RECEIVED BY GK

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	8/4/03 8/4/03	12:40 12:40	CSC CSC	0.0 0.0		% LEL % VOL	

GMP4 @ RESREC

ANALYSIS COMMENTS:

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA21315

DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03

TIME RECEIVED 16:10 SAMPLE ID

GMP5 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:30

RECEIVED BY GK

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	8/4/03 8/4/03	12:30 12:30	CSC CSC	0.0 0.0		% LEL % VOL	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA21316

DATE SAMPLED

DATE RECEIVED

TIME RECEIVED

8/4/03

16:10

8/4/03

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:15

RECEIVED BY GK

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	8/4/03 8/4/03	11:15 11:15	CSC CSC	0.0 0.0		% LEL % VOL	

GMP6 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Page 6 of 6



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

SAMPLE NUMBER AA21291

DATE SAMPLED 8/4/03 8/4/03

DATE RECEIVED TIME RECEIVED

16:10

SAMPLE ID

2MW1 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 14:40

RECEIVED BY GK

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	14:40 14:40 14:40	CSC CSC	0.0 0.0 DRY		% LEL % VOL Feet	(20)

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, Fl

John Power

SAMPLE NUMBER AA21292

DATE SAMPLED 8/4/03

DATE RECEIVED TIME RECEIVED 16:10

8/4/03

SAMPLE ID

4MW1 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 14:45

RECEIVED BY GK

SAMPLE TYPE Pumped

ANALYSIS								DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/4/03	14:45	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/4/03	14:45	CSC	0.0		% VOL	0
Static Water Level		8/4/03	14:45	CSC	12.67		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA21293 DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03

TIME RECEIVED 16:10

SAMPLE ID

2MW2 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:00

RECEIVED BY GK SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/4/03	10:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/4/03	10:00	CSC	0.0		% VOL	0
Static Water Level		8/4/03	10:00	CSC	18.15		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA21294

DATE SAMPLED 8/4/03 DATE RECEIVED 8/4/03

TIME RECEIVED 16:10

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:05

RECEIVED BY GK SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	10:05 10:05 10:05	CSC CSC	0.0 0.0 18.11		% LEL % VOL Feet	

4MW2 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA21295

DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03

TIME RECEIVED 16:10 SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:20

RECEIVED BY GK

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	12:20 12:20 12:20	CSC CSC	0.0 0.0 DRY		% LEL % VOL Feet	0

2MW4 @ RESREC

ANALYSIS COMMENTS:

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LABORATORY DIRECTOR



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA21296

DATE SAMPLED 8/4/03 8/4/03

DATE RECEIVED TIME RECEIVED 16:10

SAMPLE ID

4MW4 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:10

RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/4/03	12:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/4/03	12:10	CSC	0.0		% VOL	. 0
Static Water Level		8/4/03	12:10	CSC	18.33		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class | Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA21297 8/4/03

DATE SAMPLED DATE RECEIVED 8/4/03

TIME RECEIVED 16:10

SAMPLE ID

2MW5 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 13:55

RECEIVED BY GΚ

SAMPLE TYPE Pumped

ANALYSIS DET. TIME RESULT QUAL. UNIT **ANALYSIS METHOD** DATE BY LIMIT Percent Lower Explosive Limit 8/4/03 13:55 CSC 0.0 % LEL 0 **METER** 8/4/03 Percent Volume Methane 13:55 % VOL CSC 0 **METER** 0.0 Static Water Level 8/4/03 13:55 CSC DRY Feet

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA21298 DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03

TIME RECEIVED 16:10 SAMPLE ID

SAMPLER

DELIVERED BY CSC

Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 14:00

RECEIVED BY GK

SAMPLE TYPE

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	14:00 14:00 14:00	CSC CSC	0.0 0.0 15.83		% LEL % VOL Feet	0

4MW5 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA21299

8/4/03

DATE SAMPLED DATE RECEIVED

8/4/03

TIME RECEIVED 16:10 SAMPLE ID

SAMPLER

2MW6 @ RESREC

CSC DELIVERED BY CSC SAMPLE MATRIX GAS

TIME SAMPLED 11:00

RECEIVED BY

SAMPLE TYPE

Pumped

Date: 8/5/03

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	11:00 11:00 11:00	CSC CSC	0.0 0.0 DRY		% LEL % VOL Feet	_

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA21300

DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03 TIME RECEIVED

16:10

SAMPLE ID

SAMPLER

CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:05

RECEIVED BY GK

SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	11:05 11:05 11:05	CSC CSC	0.0 0.0 19.88		% LEL % VOL Feet	0

4MW6 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA21301

8/4/03 DATE SAMPLED DATE RECEIVED 8/4/03

TIME RECEIVED 16:10

SAMPLE ID

4MW11D @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 8:50

RECEIVED BY GK

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/4/03	8:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/4/03	8:50	CSC	0.0		% VOL	0
Static Water Level		8/4/03	8:50	CSC	29.61		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class | Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA21302

DATE SAMPLED

DATE RECEIVED TIME RECEIVED

8/4/03 8/4/03

16:10

SAMPLE ID

4MW12D @ RESREC

CSC

SAMPLER DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 8:55

RECEIVED BY

SAMPLE TYPE

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	8:55 8:55 8:55	CSC CSC	0.0 0.0 20.33		% LEL % VOL Feet	0 0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

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

DATE SAMPLED

SAMPLE NUMBER AA21304 8/4/03

DATE RECEIVED 8/4/03 TIME RECEIVED 16:10

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:05 RECEIVED BY GΚ

SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	9:05 9:05 9:05	CSC CSC	0.0 0.0 DRY		% LEL % VOL Feet	-

2MW13 @ RESREC

ANALYSIS COMMENTS:

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LABORATORY DIRECTOR



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA21303

DATE SAMPLED

DATE RECEIVED TIME RECEIVED

8/4/03

8/4/03

16:10

SAMPLE ID

4MW13D @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:00

GK

RECEIVED BY

SAMPLE TYPE

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	9:00 9:00 9:00	CSC CSC	0.0 0.0 19.80		% LEL % VOL Feet	0 0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Havs Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA21305

DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03

TIME RECEIVED 16:10

SAMPLE ID

4MW14D @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:10

RECEIVED BY GK

SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	9:10 9:10 9:10	CSC CSC	0.0 0.0 17.03		% LEL % VOL Feet	•

ANALYSIS COMMENTS:

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LABORATORY DIRECTOR



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA21306 DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03

TIME RECEIVED 16:10 SAMPLE ID

SAMPLER

CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:15

RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	10:15 10:15 10:15	CSC CSC	0.0 0.0 18.01		% LEL % VOL Feet	0

2MW15 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA21307 8/4/03 DATE SAMPLED

DATE RECEIVED 8/4/03

16:10 TIME RECEIVED

SAMPLER

SAMPLE ID

DELIVERED BY CSC

Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:50

RECEIVED BY GΚ SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/4/03	12:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/4/03	12:50	CSC	0.0		% VOL	0
Static Water Level		8/4/03	12:50	CSC	20.94		Feet	

2MW17S @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

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

DATE RECEIVED

TIME RECEIVED

Date: 8/5/03

SAMPLE NUMBER AA21308 DATE SAMPLED

8/4/03 8/4/03

16:10

SAMPLE ID

SAMPLER

2MW18D @ RESREC

SAMPLE MATRIX GAS TIME SAMPLED 12:55

RECEIVED BY GK

SAMPLE TYPE

CSC DELIVERED BY CSC

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	12:55 12:55 12:55	CSC CSC	0.0 0.0 20.43		% LEL % VOL Feet	0 0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA21309

DATE SAMPLED 8/4/03 DATE RECEIVED 8/4/03

TIME RECEIVED 16:10

SAMPLE ID

2MW19 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/5/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:00

RECEIVED BY GK

SAMPLE TYPE

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	10:00 10:00 10:00	CSC CSC	0.0 0.0 19.34		% LEL % VOL Feet	0 0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

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

Date: 8/5/03

SAMPLE NUMBER AA21310 DATE SAMPLED 8/4/03

DATE RECEIVED 8/4/03

TIME RECEIVED 16:10 SAMPLE ID

SAMPLER

CSC DELIVERED BY CSC SAMPLE MATRIX GAS

TIME SAMPLED 10:10 RECEIVED BY GK

SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	8/4/03 8/4/03 8/4/03	10:10 10:10 10:10	CSC CSC	0.0 0.0 17.53		% LEL % VOL Feet	•

2MW20 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Page 20 of 20



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



PASCO COUNTY, FLORIDA

LAND O' LAKES **NEW PORT RICHEY** (352) 511-4274 (813) 996-7341 (727) 847-8145

UTILITIES SERVICES BRANCH PUB. WKS./UTILITIES BLDG, S-213 7530 LITTLE ROAD NEW PORT RICHEY, FL 34654

June 24, 2003

Mr. John Morris Waste Management Section Florida Department of **Environmental Protection** 3804 Coconut Palm Drive Tampa, Fl 33619

RE: Hays Road Class I Landfill

Quarter II, 2003 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater and gas monitoring wells monitored were at 0 % LEL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in March, 2003. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL me thane gas. The instrument was allowed to run until a stable reading was obtained.

This completes the Quarter II, 2003 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director

John Power, Solid Waste Facility Manager



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18820

DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03

TIME RECEIVED 15:30

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC

Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:20

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	9:20 9:20 9:20	CSC CSC	0.0 0.0 16.20		% LEL % VOL Feet	0

2MW1 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Condition E. Mulle

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18821

DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED 15:30

SAMPLE ID

4MW1 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:10

IF

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	9:10 9:10 9:10	CSC CSC	0.0 0.0 16.67		% LEL % VOL Feet	0 0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Sandia E. Thulker

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18822

DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED 15:30

SAMPLE ID

2MW2 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:40 RECEIVED BY IF

SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	10:40 10:40 10:40	CSC CSC	0.0 0.0 21.63		% LEL % VOL Feet	0 0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Landia E. Mulher Page 9 of 32



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA18823 DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED

15:30

SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:50

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	6/18/03 6/18/03	10:50 10:50	CSC CSC	0.0		% LEL % VOL	0 0
Static Water Level		6/18/03	10:50	CSC	21.82		Feet	

4MW2 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Candia E. Mulhe

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA18824

DATE SAMPLED 6/18/03 DATE RECEIVED 6/18/03

TIME RECEIVED 15:30 SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:10 RECEIVED BY IF

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	6/18/03	12:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	12:10	CSC	0.0		% VOL	0
Static Water Level		6/18/03	12:10	CSC	DRY		Feet	

2MW4 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Landie E. Mulhe

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

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

SAMPLE NUMBER AA18825 DATE SAMPLED 6/18/03 SAMPLE ID

4MW4 @ RESREC

SAMPLE MATRIX GAS TIME SAMPLED 12:20

DATE RECEIVED
TIME RECEIVED

6/18/03 15:30 SAMPLER CSC DELIVERED BY CSC RECEIVED BY IF
SAMPLE TYPE

Pumped

Date: 6/20/03

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	6/18/03	12:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	12:20	CSC	0.0		% VOL	0
Static Water Level		6/18/03	12:20	CSC	23.38		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

REPORT OF ANALYSES

DHRS E44123 CompQAP # 870167G



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

SAMPLE NUMBER AA18826 DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED 15:30

SAMPLE ID

2MW5 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** SAMPLE MATRIX GAS TIME SAMPLED 14:20 IF

RECEIVED BY SAMPLE TYPE

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	14:20 14:20 14:20	CSC CSC	0.0 0.0 DRY		% LEL % VOL Feet	_

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA18827 DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED 15:30

SAMPLE ID

4MW5 @ RESREC

SAMPLER CSC **DELIVERED BY CSC**

Date: 6/20/03

SAMPLE MATRIX GAS TIME SAMPLED 14:30 IF RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	14:30 14:30 14:30	CSC CSC	0.0 0.0 20.86		% LEL % VOL Feet	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18828

DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03

TIME RECEIVED 15:30 SAMPLE ID

SAMPLER **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:00 IF

RECEIVED BY SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	11:00 11:00 11:00	CSC CSC	0.0 0.0 DRY		% LEL % VOL Feet	0

2MW6 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Sandia E. Mulher

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Havs Road Shady Hills, FI John Power

Date: 6/20/03

SAMPLE NUMBER AA18829 DATE SAMPLED 6/18/03

6/18/03

SAMPLE ID

4MW6 @ RESREC

SAMPLE MATRIX GAS TIME SAMPLED 11:00 RECEIVED BY

SAMPLE TYPE Pumped

DATE RECEIVED TIME RECEIVED 15:30

SAMPLER CSC **DELIVERED BY CSC**

ANALYSIS DET. **ANALYSIS METHOD** DATE TIME BY RESULT QUAL. UNIT LIMIT Percent Lower Explosive Limit 6/18/03 11:00 CSC 0.0 % LEL 0 METER Percent Volume Methane 6/18/03 % VOL METER 11:00 CSC 0.0 0 Static Water Level 6/18/03 11:00 23.19 Feet CSC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Landin Z. Thullen

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA18830

6/18/03 DATE SAMPLED

6/18/03 DATE RECEIVED TIME RECEIVED 15:30

SAMPLE ID

4MW11D @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:10 IF

RECEIVED BY SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	6/18/03	11:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	11:10	CSC	0.0		% VOL	0
Static Water Level		6/18/03	11:10	CSC	33.90		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

Page 17 of 32

familia E. / hulle



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18831

DATE SAMPLED 6/18/03 6/18/03

DATE RECEIVED TIME RECEIVED 15:30 SAMPLE ID

4MW12D @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:20

RECEIVED BY IF SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	6/18/03	11:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	11:20	CSC	0.0		% VOL	. 0
Static Water Level		6/18/03	11:20	CSC	24.83		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

Page 18 of 32

La E. Thalke



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA18832 DATE SAMPLED 6/18/03

6/18/03 DATE RECEIVED 15:30 TIME RECEIVED

SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS TIME SAMPLED 11:40 **RECEIVED BY**

SAMPLE TYPE

Pumped

			ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	11:40 11:40 11:40	CSC CSC	0.0		% LEL % VOL Feet	0 0

4MW13D @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

familie E. Mulle Page 19 of 32



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18833

DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED 15:30

2MW13 @ RESREC SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:30

RECEIVED BY IF

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	6/18/03	11:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	11:30	CSC	0.0		% VOL	0
Static Water Level		6/18/03	11:30	CSC	DRY		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Carolin Z. Mulha

Page 20 of 32



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA18834

DATE SAMPLED 6/18/03 DATE RECEIVED 6/18/03

TIME RECEIVED 15:30 SAMPLE ID

4MW14D @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:50 IF

RECEIVED BY SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	6/18/03	11:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	11:50	CSC	0.0		% VOL	0
Static Water Level		6/18/03	11:50	CSC	21.46		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Sandia Z. Mulher

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Havs Road

Shady Hills, Fl John Power

SAMPLE NUMBER AA18835

DATE SAMPLED 6/18/03

6/18/03 DATE RECEIVED TIME RECEIVED 15:30

SAMPLE ID

2MW15 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:20 IF

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	10:20 10:20 10:20	CSC CSC	0.0 0.0 21.98		% LEL % VOL Feet	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18836

DATE SAMPLED 6/18/03 DATE RECEIVED 6/18/03

TIME RECEIVED 15:30 SAMPLE ID

2MW17S @ RESREC

SAMPLER

CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:30

RECEIVED BY IF

SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane Static Water Level	METER METER	6/18/03 6/18/03 6/18/03	12:30 12:30 12:30	CSC CSC	0.0 0.0 26.16		% LEL % VOL Feet	

ANALYSIS COMMENTS:

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LABORATORY DIRECTOR Sound E. Shalle



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

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

DATE RECEIVED

TIME RECEIVED

Date: 6/20/03

SAMPLE NUMBER AA18837 DATE SAMPLED 6/18/03

6/18/03

15:30

SAMPLE ID

SAMPLER

DELIVERED BY CSC

2MW18D @ RESREC

SAMPLE MATRIX GAS TIME SAMPLED 13:30 IF

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit	METER	6/18/03	13:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	13:30	CSC	0.0		% VOL	0
Static Water Level		6/18/03	13:30	CSC	25.50		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Landia E. Mulher

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18838

DATE SAMPLED 6/18/03 6/18/03 DATE RECEIVED

15:30 TIME RECEIVED

SAMPLE ID

2MW19 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:00

RECEIVED BY IF SAMPLE TYPE

Pumped

			ANALY	'SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	6/18/03	12:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	12:00	CSC	0.0		% VOL	. 0
Static Water Level		6/18/03	12:00	CSC	24.24		Feet	

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Condin E. Mille

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA18839

DATE SAMPLED 6/18/03 DATE RECEIVED 6/18/03

TIME RECEIVED 15:30 SAMPLE ID

2MW20 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS TIME SAMPLED 10:10 **RECEIVED BY** IF SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	6/18/03	10:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	6/18/03	10:10	CSC	0.0		% VOL	. 0
Static Water Level		6/18/03	10:10	CSC	21.66		Feet	

ANALYSIS COMMENTS:

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LABORATORY DIRECTOR Community E. Mulle



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA18840 DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED 15:30

SAMPLE ID

CSC SAMPLER **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS TIME SAMPLED 13:00

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	6/18/03 6/18/03	13:00 13:00	CSC CSC	0.0 0.0		% LEL % VOL	1770

GMP1 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Landin E. Mulher

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA18841 DATE SAMPLED 6/18/03

6/18/03 DATE RECEIVED TIME RECEIVED 15:30

SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 13:10

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	6/18/03 6/18/03	13:10 13:10	CSC CSC			% LEL % VOL	-

GMP2 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA18842

DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED 15:30

SAMPLE ID

CSC

SAMPLER **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 13:20

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	6/18/03 6/18/03	13:20 13:20	CSC CSC			% LEL % VOL	1000

GMP3 @ RESREC

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Page 29 of 32



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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

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

DATE RECEIVED

TIME RECEIVED

SAMPLE NUMBER AA18843 DATE SAMPLED

6/18/03

6/18/03 15:30

SAMPLE ID

GMP4 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** SAMPLE MATRIX GAS

TIME SAMPLED 13:40

RECEIVED BY SAMPLE TYPE

Pumped

Date: 6/20/03

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	6/18/03 6/18/03	13:40 13:40	CSC CSC	0.0		% LEL % VOL	1770

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Comments E. Thulken

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA18845 DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03

TIME RECEIVED 15:30 SAMPLE ID

GMP6 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS TIME SAMPLED 13:50

RECEIVED BY IF SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	- 6/18/03 6/18/03	13:50 13:50	CSC CSC	0.0		% LEL % VOL	-

ANALYSIS COMMENTS:

LABORATORY DIRECTOR Landin Z. Mulha

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

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

John Power

SAMPLE NUMBER AA18844

DATE SAMPLED 6/18/03

DATE RECEIVED 6/18/03 TIME RECEIVED 15:30

SAMPLE ID GMP5 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 6/20/03

SAMPLE MATRIX GAS

TIME SAMPLED 14:00 IF

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit Percent Volume Methane	METER METER	6/18/03 6/18/03	14:00 14:00	CSC CSC	0.0 0.0		% LEL % VOL	

ANALYSIS COMMENTS:

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LABORATORY DIRECTOR Landia E. Mulha



LAND O' LAKES NEW PORT RICHEY (352) 511-4274 (813) 996-7341 (727) 847-8145 UTILITIES SERVICES BRANCH PUB. WKS./UTILITIES BLDG. S-213 7530 LITTLE ROAD NEW PORT RICHEY, FL 34654

April 25, 2003

Mr. John Morris
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill West Posco CL 7
Quarter I, 2003

Quarter 1, 2003
Gas Monitoring



Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater and gas monitoring wells monitored were at 0 % LEL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in March, 2003. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL me thane gas. The instrument was allowed to run until a stable reading was obtained.

I apologize for the delay in sampling and submittal of these reports to the Department. The gas monitor was sent for repair and recalibration and there was a delay in receiving the meter from the company. Additionally, upon receipt from the company the meter was not operating correctly and had to be sent back for additional repairs and recalibration. When the meter was returned to Pasco County in operating condition we immediately sampled the site for Quarter I, 2003 submittal to the Department.

This completes the Quarter I, 2003 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director John Power, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16532

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

2MW1 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS TIME SAMPLED 13:30

WW RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	13:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	13:30	CSC	0.0		% VOL	0
Static Water Level		4/21/03	13:30	CSC	14.82		Feet	

LABORATORY DIRECTOR

handin to

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16533

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

4MW1 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 13:40 RECEIVED BY WW

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	13:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	13:40	CSC	0.0		% VOL	0
Static Water Level		4/21/03	13:40	CSC	15.15		Feet	

LABORATORY DIRECTOR Landing E. Malke

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Date: 4/22/03

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

SAMPLE NUMBER AA16534 DATE SAMPLED 4/21/03

DATE RECEIVED TIME RECEIVED

4/21/03 16:06

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC SAMPLE MATRIX GAS TIME SAMPLED 10:20

RECEIVED BY WW SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	10:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	10:20	CSC	0.0		% VOL	0
Static Water Level		4/21/03	10:20	CSC	20.12		Feet	

2MW2 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Date: 4/22/03

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA16535 DATE SAMPLED 4/21/03

DATE RECEIVED TIME RECEIVED

4/21/03 16:06

SAMPLE ID

SAMPLER **DELIVERED BY CSC**

4MW2 @ RESREC

CSC

SAMPLE MATRIX GAS

TIME SAMPLED 10:30 RECEIVED BY ww

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	10:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	10:30	CSC	0.0		% VOL	0
Static Water Level		4/21/03	10:30	CSC	20.34		Feet	

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LABORATORY DIRECTOR



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16536

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

2MW4 @ RESREC

SAMPLER CSC **DELIVERED BY CSC**

Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:40 WW RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	12:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	12:40	CSC	0.0		% VOL	0
Static Water Level		4/21/03	12:40	CSC	DRY		Feet	

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16537

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

4MW4 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:30 ww

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	12:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	12:30	CSC	0.0		% VOL	0
Static Water Level		4/21/03	12:30	CSC	21.47		Feet	

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16538

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

2MW5 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:50 WW RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT	
Percent Lower Explosive Limit	METER	4/21/03	12:50	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	4/21/03	12:50	CSC	0.0		% VOL	0	
Static Water Level		4/21/03	12:50	CSC	DRY		Feet		

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16539

DATE SAMPLED 4/21/03

DATE RECEIVED TIME RECEIVED

4/21/03 16:06

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 13:00 WW

RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	13:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	13:00	CSC	0.0		% VOL	0
Static Water Level		4/21/03	13:00	CSC	18.93		Feet	

4MW5 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Date: 4/22/03

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

SAMPLE NUMBER AA16540 DATE SAMPLED 4/21/03

DATE RECEIVED 4/21/03 TIME RECEIVED 16:06 SAMPLE ID

D 2MW6 @ RESREC

SAMPLER CSC DELIVERED BY CSC

SAMPLE MATRIX GAS

TIME SAMPLED 10:50 RECEIVED BY WW

SAMPLE TYPE Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT	
Percent Lower Explosive Limit	METER	4/21/03	10:50	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	4/21/03	10:50	CSC	0.0		% VOL	0	
Static Water Level		4/21/03	10:50	CSC	DRY		Feet		

LABORATORY DIRECTOR

Combin Zo / Mulher

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

Date: 4/22/03

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16541

DATE SAMPLED 4/21/03

DATE RECEIVED 4/21/03

TIME RECEIVED 16:06

SAMPLE ID

SAMPLER CS

DELIVERED BY CSC

SAMPLE ID 4MVVO

4MW6 @ RESREC

CSC

SAMPLE MATRIX GAS

TIME SAMPLED 10:40 RECEIVED BY WW

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	10:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	10:40	CSC	0.0		% VOL	0
Static Water Level		4/21/03	10:40	CSC	22.67		Feet	

LABORATORY DIRECTOR

landia E. Milke

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16542

DATE SAMPLED 4/21/03

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

4MW11D @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:20 WW

RECEIVED BY SAMPLE TYPE

Pumped

ANALYSIS DET. RESULT QUAL. UNIT LIMIT TIME BY DATE **ANALYSIS METHOD** % LEL 0 4/21/03 9:20 CSC 0.0 METER Percent Lower Explosive Limit % VOL 0 0.0 4/21/03 9:20 CSC METER Percent Volume Methane CSC 32.30 Feet 4/21/03 9:20 Static Water Level

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI

John Power

SAMPLE NUMBER AA16543

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

4MW12D @ RESREC SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:30

ww RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	9:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	9:30	CSC	0.0		% VOL	0
Static Water Level		4/21/03	9:30	CSC	23.10		Feet	

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16544

DATE SAMPLED 4/21/03

DATE RECEIVED 4/21/03

16:06 TIME RECEIVED

SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS TIME SAMPLED 9:40

RECEIVED BY WW

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	9:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	9:40	CSC	0.0		% VOL	0
Static Water Level		4/21/03	9:40	CSC	22.56		Feet	

4MW13D @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16545

DATE SAMPLED DATE RECEIVED 4/21/03 4/21/03

16:06 TIME RECEIVED

SAMPLE ID

2MW13 @ RESREC

SAMPLER

DELIVERED BY CSC

Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:50

WW RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	9:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	9:50	CSC	0.0		% VOL	0
Static Water Level		4/21/03	9:50	CSC	DRY		Feet	

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16546

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

SAMPLER **DELIVERED BY CSC**

4MW14D @ RESREC

CSC

Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:00 WW RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS DE							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	10:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	10:00	CSC	0.0		% VOL	0
Static Water Level		4/21/03	10:00	CSC	19.78		Feet	

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16547

DATE SAMPLED

DATE RECEIVED TIME RECEIVED

4/21/03

4/21/03 16:06

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 9:10

ww RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	9:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	9:10	CSC	0.0		% VOL	0
Static Water Level		4/21/03	9:10	CSC	20.39		Feet	

2MW15 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16548

DATE SAMPLED 4/21/03

DATE RECEIVED 4/21/03 16:06 TIME RECEIVED

SAMPLE ID

SAMPLER

DELIVERED BY CSC

Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:30 ww

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT	
Percent Lower Explosive Limit	METER	4/21/03	11:30	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	4/21/03	11:30	CSC	0.0		% VOL	0	
Static Water Level		4/21/03	11:30	CSC	24.15		Feet		

2MW17S @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16549

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:50

WW RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	11:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	11:50	CSC	0.0		% VOL	0
Static Water Level		4/21/03	11:50	CSC	23.59		Feet	

2MW18D @ RESREC

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16550

4/21/03 DATE SAMPLED

DATE RECEIVED TIME RECEIVED

4/21/03 16:06

SAMPLE ID

SAMPLER

CSC DELIVERED BY CSC Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:10 RECEIVED BY WW

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	12:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	12:10	CSC	0.0		% VOL	0
Static Water Level		4/21/03	12:10	CSC	22.40		Feet	

2MW19 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16551

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED

16:06 TIME RECEIVED

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 10:10

WW RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	10:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	10:10	CSC	0.0		% VOL	0
Static Water Level		4/21/03	10:10	CSC	20.03		Feet	

2MW20 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA16552

DATE SAMPLED 4/21/03

4/21/03 DATE RECEIVED

TIME RECEIVED 16:06 SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:40 ww

RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	11:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	11:40	CSC	0.0		% VOL	0

GMP1 @ RESREC

LABORATORY DIRECTOR

Page 1 of 3



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16553

4/21/03 DATE SAMPLED

4/21/03 DATE RECEIVED TIME RECEIVED 16:06

SAMPLE ID

GMP2 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:20 WW

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	11:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	11:20	CSC	0.0		% VOL	0

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Page 2 of 3



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16554

4/21/03 DATE SAMPLED

TIME RECEIVED

4/21/03 DATE RECEIVED

16:06

SAMPLE ID

SAMPLER

DELIVERED BY CSC

Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:10 WW

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	11:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	11:10	CSC	0.0		% VOL	0

GMP3 @ RESREC

LABORATORY DIRECTOR Carried 2. Market

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16555

DATE SAMPLED 4/21/03

4/21/03 DATE RECEIVED

TIME RECEIVED 16:06 SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:00

RECEIVED BY WW

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	12:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	12:00	CSC	0.0		% VOL	0

GMP4 @ RESREC

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA16556

DATE SAMPLED 4/21/03

DATE RECEIVED 4/21/03

TIME RECEIVED 16:06

SAMPLE ID

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC

Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 12:20

RECEIVED BY WW

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	12:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	12:20	CSC	0.0		% VOL	0

GMP5 @ RESREC

ABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA16557

DATE SAMPLED 4/21/03

DATE RECEIVED 4/21/03

TIME RECEIVED 16:06 SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 4/22/03

SAMPLE MATRIX GAS

TIME SAMPLED 11:00

RECEIVED BY ww

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	4/21/03	11:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	4/21/03	11:00	CSC	0.0		% VOL	0

GMP6 @ RESREC

LABORATORY DIRECTOR

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DADE CITY LAND O' LAKES (352) 511-4274 (813) 996-7341

NEW PORT RICHEY (727) 847-8145

UTILITIES SERVICES BRANCH PUB. WKS./UTILITIES BLDG. S-213 7530 LITTLE ROAD NEW PORT RICHEY, FL 34654

November 08, 2002

Mr. John Morris
Waste Management Section
Florida Department of

Environmental Protection

3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter IV, 2002 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater and gas monitoring wells monitored were at 0 % LEL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in July, 2002. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. The instrument was allowed to run until a stable reading was obtained.

This completes the Quarter IV, 2002 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director John Power, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10047

11/6/02 DATE SAMPLED

11/6/02 DATE RECEIVED

TIME RECEIVED 16:10

SAMPLE ID

GMP1 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	13:30	csc	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	13:30	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10048

DATE SAMPLED 11/6/02

DATE RECEIVED 11/6/02

TIME RECEIVED 16:10

SAMPLE ID

GMP2 @ RESREC

SAMPLER CSC **DELIVERED BY CSC**

Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:50

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	13:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	13:50	CSC	0.0		% VOL	0

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LABORATORY DIRECTOR



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10049

11/6/02 DATE SAMPLED

DATE RECEIVED 11/6/02

TIME RECEIVED 16:10

SAMPLE ID

GMP3 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 14:00

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	14:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	14:00	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10050

DATE SAMPLED 11/6/02

11/6/02 DATE RECEIVED

TIME RECEIVED 16:10 SAMPLE ID

GMP4 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	13:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	13:10	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10051 DATE SAMPLED

11/6/02

DATE RECEIVED 11/6/02

TIME RECEIVED 16:10

SAMPLE ID

GMP5 @ RESREC

CSC

SAMPLER

DELIVERED BY CSC

Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:50

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	12:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	12:50	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10052 DATE SAMPLED

11/6/02 DATE RECEIVED 11/6/02

16:10 TIME RECEIVED

SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:40 RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	12:40	csc	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	12:40	CSC	0.0		% VOL	0

GMP6 @ RESREC

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA10027

DATE SAMPLED 11/6/02

DATE RECEIVED 11/6/02

TIME RECEIVED 16:10

SAMPLE ID

SAMPLER CSC

DELIVERED BY CSC

Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	10:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	10:30	CSC	0.0		% VOL	0

2MW1 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10028

DATE SAMPLED 11/6/02 11/6/02 DATE RECEIVED

TIME RECEIVED 16:10

SAMPLE ID

4MW1 @ RESREC

CSC SAMPLER **DELIVERED BY CSC**

Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	10:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	10:30	CSC	0.0		% VOL	0

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10029

DATE SAMPLED 11/6/02

DATE RECEIVED 11/6/02

TIME RECEIVED 16:10 SAMPLE ID

2MW2 @ RESREC

CSC SAMPLER

DELIVERED BY CSC

Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:00

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	12:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	12:00	CSC	0.0		% VOL	0

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LABORATORY DIRECTOR



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10030

11/6/02 DATE SAMPLED

DATE RECEIVED 11/6/02 TIME RECEIVED

16:10

SAMPLE ID

CSC SAMPLER **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	12:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	12:10	CSC	0.0		% VOL	0

4MW2 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA10031

DATE SAMPLED 11/6/02

11/6/02 DATE RECEIVED TIME RECEIVED

16:10

SAMPLE ID

CSC SAMPLER **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 14:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	14:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	14:20	CSC	0.0		% VOL	0

2MW4 @ RESREC

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LABORATORY DIRECTOR



FNVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10032

11/6/02 DATE SAMPLED

11/6/02 DATE RECEIVED TIME RECEIVED

16:10

SAMPLE ID

4MW4 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 14:10

CEM RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	14:10	csc	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	14:10	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA10033

11/6/02 DATE SAMPLED

11/6/02 DATE RECEIVED

16:10 TIME RECEIVED

SAMPLE ID

2MW5 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 15:40 CEM

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	15:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	15:40	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10034

DATE SAMPLED 11/6/02 DATE RECEIVED 11/6/02

TIME RECEIVED 16:10

SAMPLE ID

ONIVII LL ID

SAMPLER

DELIVERED BY CSC

Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 15:50 RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	15:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	15:50	CSC	0.0		% VOL	0

4MW5 @ RESREC

ABORATORY DIRECTOR

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Gardine Co / Mulha



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10035

DATE SAMPLED

11/6/02 11/6/02

DATE RECEIVED 16:10 TIME RECEIVED

SAMPLE ID

2MW6 @ RESREC

SAMPLER

CSC DELIVERED BY CSC Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	12:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	12:20	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10036

DATE SAMPLED 11/6/02

DATE RECEIVED 11/6/02 TIME RECEIVED 16:10

10036 SAIVIPLE

SAMPLE ID 4MW6 @ RESREC

SAMPLER CSC

DELIVERED BY CSC

Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	12:30	csc	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	12:30	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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Continue of the the



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA10037

DATE SAMPLED 11/6/02

DATE RECEIVED 11/6/02

TIME RECEIVED 16:10 SAMPLE ID

4MW11D @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:50 CEM

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	11:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	11:50	CSC	0.0		% VOL	0

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA10038

11/6/02 DATE SAMPLED

11/6/02 DATE RECEIVED 16:10 TIME RECEIVED

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:40

RECEIVED BY CEM SAMPLE TYPE

Pumped

ANALYSIS DET. RESULT QUAL. UNIT DATE TIME BY LIMIT **ANALYSIS METHOD** % LEL 0 11/6/02 11:40 CSC 0.0 Percent Lower Explosive Limit METER % VOL 0 CSC 0.0 11/6/02 11:40 METER Percent Volume Methane

4MW12D @ RESREC

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10040

DATE SAMPLED 11/6/02

DATE RECEIVED 11/6/02 TIME RECEIVED 16:10

SAMPLE ID

2MW13 @ RESREC

SAMPLER

CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	11:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	11:20	CSC	0.0		% VOL	0

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10039

DATE SAMPLED 11/6/02

11/6/02 DATE RECEIVED TIME RECEIVED

16:10

SAMPLE ID

4MW13D @ RESREC

SAMPLER

CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	11:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	11:30	CSC	0.0		% VOL	0

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10041

11/6/02 DATE SAMPLED

11/6/02 DATE RECEIVED

16:10 TIME RECEIVED

SAMPLE ID

4MW14D @ RESREC

CSC

SAMPLER

DELIVERED BY CSC

Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	11:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	11:10	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10042

DATE SAMPLED

11/6/02

11/6/02 DATE RECEIVED 16:10 TIME RECEIVED

SAMPLE ID

2MW15 @ RESREC

SAMPLER

CSC DELIVERED BY CSC Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:50

CEM RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	10:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	10:50	CSC	0.0		% VOL	0

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10043

DATE SAMPLED

11/6/02 11/6/02

16:10

DATE RECEIVED TIME RECEIVED

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:40

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit	METER	11/6/02	13:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	13:40	CSC	0.0		% VOL	0

2MW17S @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

SAMPLE NUMBER AA10044

DATE SAMPLED

11/6/02

DATE RECEIVED TIME RECEIVED

11/6/02

16:10

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	13:20	csc	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	13:20	CSC	0.0		% VOL	0

2MW18D @ RESREC

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA10045

11/6/02 DATE SAMPLED 11/6/02 DATE RECEIVED

16:10 TIME RECEIVED

SAMPLE ID

2MW19 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:00 CEM

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	11/6/02	13:00	csc	0.0		% LEL	0
Percent Volume Methane	METER	11/6/02	13:00	CSC	0.0		% VOL	0

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LABORATORY DIRECTOR



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA10046

DATE SAMPLED 11/6/02

11/6/02 DATE RECEIVED

TIME RECEIVED 16:10

SAMPLE ID

2MW20 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 11/7/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:00

RECEIVED BY CEM

SAMPLE TYPE Pumped

ANALYSIS DET. RESULT QUAL. UNIT TIME BY LIMIT DATE **ANALYSIS METHOD** 11/6/02 11:00 0.0 % LEL 0 CSC **METER** Percent Lower Explosive Limit % VOL **METER** 11/6/02 11:00 CSC 0.0 0 Percent Volume Methane

LABORATORY DIRECTOR

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DADE CITY LAND O' LAKES NEW PORT RICHEY (352) 511-4274 (813) 996-7341

(727) 847-8145

UTILITIES SERVICES BRANCH
PLIB. WKS./UTILITIES BLDG. S-213
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

AUG 3 0 2002

Southwest District Tampa

August 26, 2002

Mr. John Morris
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill

Quarter III, 2002 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater and gas monitoring wells monitored were at 0 % LEL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in August, 2002. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. The instrument was allowed to run until a stable reading was obtained.

This completes the Quarter III, 2002 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director John Power, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA06935

8/14/02 DATE SAMPLED 8/14/02 DATE RECEIVED

16:00

TIME RECEIVED

SAMPLE ID

GMP1 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	11:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	11:20	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, Fl

John Power

SAMPLE NUMBER AA06936

8/14/02 DATE SAMPLED 8/14/02 DATE RECEIVED

TIME RECEIVED 16:00 SAMPLE ID

GMP2 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:40

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT	
Percent Lower Explosive Limit	METER	8/14/02	11:40	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	8/14/02	11:40	CSC	0.0		% VOL	0	

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA06937

DATE SAMPLED 8/14/02

DATE RECEIVED 8/14/02

16:00 TIME RECEIVED

SAMPLE ID

GMP3 @ RESREC

CSC SAMPLER **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:50

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	11:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	11:50	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA06938

8/14/02 DATE SAMPLED

8/14/02 DATE RECEIVED

TIME RECEIVED 16:00 SAMPLE ID

GMP4 @ RESREC

CSC SAMPLER **DELIVERED BY CSC**

SAMPLE MATRIX GAS

Date: 8/26/02

TIME SAMPLED 10:50 CEM RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	10:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	10:50	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA06939

8/14/02 DATE SAMPLED

DATE RECEIVED 8/14/02

16:00 TIME RECEIVED

SAMPLE ID

CSC SAMPLER **DELIVERED BY CSC**

Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	10:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	10:20	CSC	0.0		% VOL	0

GMP5 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA06940

8/14/02 DATE SAMPLED

8/14/02 DATE RECEIVED

TIME RECEIVED 16:00

SAMPLE ID GMP6 @ RESREC

CSC SAMPLER

DELIVERED BY CSC

Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:00

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	12:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	12:00	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA06918 8/14/02 DATE SAMPLED

8/14/02 DATE RECEIVED

16:00 TIME RECEIVED

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 14:00

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	14:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	14:00	CSC	0.0		% VOL	0

2MW1 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, Fl John Power

SAMPLE NUMBER AA06919

DATE SAMPLED 8/14/02

DATE RECEIVED 16:00 TIME RECEIVED

8/14/02

SAMPLE ID

SAMPLER CSC

DELIVERED BY CSC

Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 14:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	14:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	14:10	CSC	0.0		% VOL	0

4MW1 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA06920

DATE SAMPLED 8/14/02 DATE RECEIVED 8/14/02

16:00 TIME RECEIVED

SAMPLE ID

SAMPLER

2MW2 @ RESREC

CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:40 RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	12:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	12:40	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA06921

DATE SAMPLED 8/14/02

8/14/02 DATE RECEIVED TIME RECEIVED

16:00

SAMPLE ID

4MW2 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:40

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	12:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	12:40	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA06922

DATE SAMPLED 8/14/02

DATE RECEIVED 8/14/02 16:00 TIME RECEIVED

SAMPLE ID

SAMPLER

2MW4 @ RESREC

CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	12:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	12:30	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA06923

8/14/02 DATE SAMPLED 8/14/02

DATE RECEIVED TIME RECEIVED 16:00 SAMPLE ID

SAMPLER

4MW4 @ RESREC

CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:00 CEM RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	13:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	13:00	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA06924

DATE SAMPLED 8/14/02 8/14/02 DATE RECEIVED

TIME RECEIVED 16:00

SAMPLE ID

2MW5 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	13:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	13:20	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA06925

8/14/02 DATE SAMPLED 8/14/02 DATE RECEIVED

TIME RECEIVED 16:00

SAMPLE ID

4MW5 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:40

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	13:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	13:40	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI John Power

DATE SAMPLED

SAMPLE NUMBER AA06926 8/14/02

8/14/02 DATE RECEIVED

TIME RECEIVED 16:00 SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	12:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	12:20	CSC	0.0		% VOL	0

2MW6 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA06927

DATE SAMPLED 8/14/02

DATE RECEIVED 8/14/02

TIME RECEIVED 16:00

SAMPLE ID

SAMPLER CSC

DELIVERED BY CSC

Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	12:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	12:10	CSC	0.0		% VOL	0

4MW6 @ RESREC

LABORATORY DIRECTOR

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Condin E. Mulher



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA06928

8/14/02 DATE SAMPLED 8/14/02

DATE RECEIVED TIME RECEIVED

SAMPLE ID

4MW11D @ RESREC

SAMPLER

CSC **DELIVERED BY CSC** 16:00

Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	9:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	9:20	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA06929

8/14/02 DATE SAMPLED

8/14/02 DATE RECEIVED

16:00 TIME RECEIVED

SAMPLE ID

4MW12D @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	9:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	9:30	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, Fl

John Power

SAMPLE NUMBER AA06931

8/14/02 DATE SAMPLED

8/14/02 DATE RECEIVED

16:00 TIME RECEIVED

SAMPLE ID

2MW13 @ RESREC

SAMPLER **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:50

RECEIVED BY CEM

SAMPLE TYPE

Pumped

		ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT	
Percent Lower Explosive Limit	METER	8/14/02	9:50	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	8/14/02	9:50	CSC	0.0		% VOL	0	

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA06930

DATE SAMPLED 8/14/02

8/14/02 DATE RECEIVED

TIME RECEIVED 16:00 SAMPLE ID

4MW13D @ RESREC

SAMPLER CSC **DELIVERED BY CSC**

Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:40

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	9:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	9:40	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA06932

8/14/02 DATE SAMPLED

8/14/02 DATE RECEIVED

16:00 TIME RECEIVED

SAMPLE ID

4MW14D @ RESREC

SAMPLER **DELIVERED BY CSC** Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:00 CEM

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	10:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	10:00	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA06933 DATE SAMPLED

8/14/02

8/14/02 DATE RECEIVED TIME RECEIVED 16:00

SAMPLE ID

2MW17S @ RESREC

CSC SAMPLER

DELIVERED BY CSC

Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	11:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	11:30	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA06934

8/14/02 DATE SAMPLED

8/14/02 DATE RECEIVED

16:00 TIME RECEIVED

SAMPLE ID

SAMPLER CSC

DELIVERED BY CSC

Date: 8/26/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:00

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	11:00	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	11:00	CSC	0.0		% VOL	0

2MW18D @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA07019

8/14/02 DATE SAMPLED

8/14/02 DATE RECEIVED

16:00 TIME RECEIVED

SAMPLE ID

2MW15 @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 8/27/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	9:10	csc	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	9:10	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA07020

DATE SAMPLED 8/14/02

8/14/02 DATE RECEIVED

16:00 TIME RECEIVED

SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 8/27/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:30

CEM

RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	8/14/02	10:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	8/14/02	10:30	CSC	0.0		% VOL	0

2MW19 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA07021

DATE SAMPLED 8/14/02

8/14/02 DATE RECEIVED

16:00 TIME RECEIVED

SAMPLE ID

2MW20 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 8/27/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT	
Percent Lower Explosive Limit	METER	8/14/02	10:10	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	8/14/02	10:10	CSC	0.0		% VOL	0	

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
PORT RICHEY, FL 34654
27) 847-8902

May 28, 2002

Mr. John Morris
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter II, 2002 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in December, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

This completes the Quarter II, 2002 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director John Power, Solid Waste Facility Manager

-4MW-I was not included-candia foxed the results

-4MW-15D + 4MW-16D abandoned dates.
The company is mailing the info-to
Candia 4 she will contact DEP with
the dates.



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

CSC

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA03644

DATE SAMPLED 5/23/02 DATE RECEIVED

TIME RECEIVED

5/23/02

17:00

SAMPLE ID

SAMPLER

DELIVERED BY CSC

Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 8:50

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit	METER	5/23/02	8:50	csc	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	8:50	CSC	0.0		% VOL	0

2MW1 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA03645 DATE SAMPLED

5/23/02 DATE RECEIVED

TIME RECEIVED 17:00

5/23/02

SAMPLE ID

SAMPLER

4MW2 @ RESREC

CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:20 CEM

RECEIVED BY SAMPLE TYPE

Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT	
Percent Lower Explosive Limit	METER	5/23/02	10:20	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	5/23/02	10:20	CSC	0.0		% VOL	0	

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LABORATORY DIRECTOR



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA03646

DATE SAMPLED 5/23/02

DATE RECEIVED 5/23/02

TIME RECEIVED 17:00

SAMPLE ID

2MW2 @ RESREC

SAMPLER CSC

DELIVERED BY CSC

Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 10:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	10:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	10:30	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA03647

DATE SAMPLED

5/23/02 DATE RECEIVED 5/23/02

TIME RECEIVED 17:00

SAMPLE ID

CSC SAMPLER DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT	
Percent Lower Explosive Limit	METER	5/23/02	12:10	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	5/23/02	12:10	CSC	0.0		% VOL	0	

4MW4 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE **NEW PORT RICHEY, FL 34654**

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA03648

DATE SAMPLED 5/23/02

DATE RECEIVED 17:00 TIME RECEIVED

5/23/02

SAMPLE ID

2MW4 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:20

RECEIVED BY CEM

SAMPLE TYPE Pumped

ANALYSIS DET. **ANALYSIS** DATE TIME BY RESULT QUAL. UNIT LIMIT **METHOD** Percent Lower Explosive Limit 5/23/02 12:20 % LEL **METER** CSC 0.0 0 Percent Volume Methane 5/23/02 12:20 CSC 0.0 % VOL 0 **METER**

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA03649

DATE SAMPLED

DATE RECEIVED TIME RECEIVED

5/23/02 17:00

5/23/02

SAMPLE ID

SAMPLER

4MW5 @ RESREC

CSC DELIVERED BY CSC

Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:30

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit	METER	5/23/02	12:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	12:30	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA03650

DATE SAMPLED 5/23/02 5/23/02

DATE RECEIVED TIME RECEIVED

17:00

SAMPLE ID

SAMPLER

CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 12:40

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit	METER	5/23/02	12:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	12:40	CSC	0.0		% VOL	0

2MW5 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA03651

DATE SAMPLED 5/23/02

DATE RECEIVED 5/23/02

TIME RECEIVED 17:00

SAMPLE ID

4MW6 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:40

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT	
Percent Lower Explosive Limit	METER	5/23/02	11:40	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	5/23/02	11:40	CSC	0.0		% VOL	0	

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA03652

DATE SAMPLED 5/23/02

DATE RECEIVED TIME RECEIVED

5/23/02

17:00

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 11:50

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	11:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	11:50	CSC	0.0		% VOL	0

2MW6 @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA03653

DATE SAMPLED

DATE RECEIVED 5

5/23/02 5/23/02

17:00

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC

Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	9:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	9:10	CSC	0.0		% VOL	0

4MW11D @ RESREC

LABORATORY DIRECTOR

Colin E. Pholle

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

REPORT OF ANALYSES

DHRS E44123 CompQAP # 870167G

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA03654 5/23/02 DATE SAMPLED

DATE RECEIVED 5/23/02

TIME RECEIVED 17:00 SAMPLE ID

4MW12D @ RESREC

SAMPLER CSC **DELIVERED BY CSC** Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:20 RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	9:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	9:20	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA03655 DATE SAMPLED

5/23/02 5/23/02 DATE RECEIVED

17:00 TIME RECEIVED

SAMPLE ID

CSC SAMPLER DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:30

CEM RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT	
Percent Lower Explosive Limit	METER	5/23/02	9:30	CSC	0.0		% LEL	0	
Percent Volume Methane	METER	5/23/02	9:30	CSC	0.0		% VOL	0	

4MW13D @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA03656

DATE SAMPLED DATE RECEIVED

TIME RECEIVED

5/23/02

5/23/02

17:00

SAMPLE ID

SAMPLER CSC **DELIVERED BY CSC** Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:40

RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	9:40	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	9:40	CSC	0.0		% VOL	0

2MW13 @ RESREC

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA03657 DATE SAMPLED

DATE RECEIVED TIME RECEIVED 17:00

5/23/02 5/23/02 SAMPLE ID

SAMPLER CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 9:50

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS DE-							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	9:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	9:50	CSC	0.0		% VOL	0

4MW14D @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

REPORT OF ANALYSES

DHRS E44123 CompQAP # 870167G

Resource Recovery

Class I Landfill Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA03658

DATE SAMPLED 5/23/02 DATE RECEIVED

TIME RECEIVED

5/23/02

17:00

SAMPLE ID

SAMPLER

CSC **DELIVERED BY CSC** Date: 5/28/02

SAMPLE MATRIX GAS TIME SAMPLED 13:10

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	13:10	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	13:10	CSC	0.0		% VOL	0

2MW17S @ RESREC

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

SAMPLE NUMBER AA03659 DATE SAMPLED 5/23/02

DATE RECEIVED 5/23/02

TIME RECEIVED 17:00

SAMPLE ID

SAMPLER CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS TIME SAMPLED 13:20

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	13:20	csc	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	13:20	CSC	0.0		% VOL	0

2MW18D @ RESREC

LABORATORY DIRECTOR

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

REPORT OF ANALYSES

DHRS E44123 CompQAP # 870167G

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA03659 DATE SAMPLED 5/23/02

DATE RECEIVED 5/23/02 TIME RECEIVED 17:00

SAMPLE ID

2MW18D @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS TIME SAMPLED 13:20 RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	13:20	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	13:20	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

Page 1 of 1



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA03660 DATE SAMPLED 5/23/02

5/23/02 DATE RECEIVED TIME RECEIVED 17:00

SAMPLE ID

GMP1 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:30 CEM

RECEIVED BY

SAMPLE TYPE

Pumped

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	13:30	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	13:30	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

Page 62 of 65



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

SAMPLE NUMBER AA03661

DATE SAMPLED 5/23/02

DATE RECEIVED 5/23/02

TIME RECEIVED 17:00 SAMPLE ID

SAMPLER

GMP2 @ RESREC

CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:40

RECEIVED BY CEM SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Percent Lower Explosive Limit	METER	5/23/02	13:40	csc	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	13:40	CSC	0.0		% VOL	0

LABORATORY DIRECTOR

Page 63 of 65



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA03662 5/23/02 DATE SAMPLED

DATE RECEIVED 5/23/02 17:00 TIME RECEIVED

SAMPLE ID

GMP3 @ RESREC

SAMPLER CSC DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 13:50 RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	13:50	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	13:50	CSC	0.0		% VOL	0

Page 64 of 65



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

DHRS E44123 CompQAP # 870167G

REPORT OF ANALYSES

Resource Recovery Class I Landfill

Hays Road

Shady Hills, FI

John Power

SAMPLE NUMBER AA03663 DATE SAMPLED

DATE RECEIVED

TIME RECEIVED

5/23/02 5/23/02 17:00

SAMPLE ID

GMP4 @ RESREC

CSC SAMPLER DELIVERED BY CSC Date: 5/28/02

SAMPLE MATRIX GAS

TIME SAMPLED 14:00

RECEIVED BY CEM SAMPLE TYPE

Pumped

ANALYSIS DET. RESULT QUAL. UNIT TIME BY LIMIT DATE **ANALYSIS METHOD** 0 % LEL 5/23/02 14:00 CSC 0.0 **METER** Percent Lower Explosive Limit % VOL 5/23/02 14:00 CSC 0.0 0 **METER** Percent Volume Methane

LABORATORY DIRECTOR

Page 65 of 65



UTILITIES SERVICES BRANCH ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE (727) 847-8902

	FACSIMILE TRANSMISSION
TO:	Jauxa Hoss
	1-013-744-6125
FROM:	Pandia Wwehern
FROM:	Val. Was
	- Cach III
	6-6-02
DATE:	6-6-02
RE:	
REMARKS:	
	<u> </u>
	The state of the s
TRANSMITTI	NG PAGES INCLUDING COVER SHEET.
IF YOU DO 1	NOT RECEIVE ALL PAGES, PLEASE CALL
At (727)	847-8902

OUR FACSIMILE NUMBER IS: (727) 847-8112

PHONE NO. : 727 847 8112



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 REPORT OF ANALYSES

DHRS E44123 CompQAP # 870167G

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FI John Power

SAMPLE NUMBER AA03643

5/23/02 DATE SAMPLED

DATE RECEIVED

5/23/02 17:00 TIME RECEIVED

SAMPLE ID

4MW1 @ RESREC

SAMPLER

CSC DELIVERED BY CSC Date: 6/6/02

SAMPLE MATRIX GAS

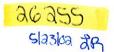
TIME SAMPLED 8:45

RECEIVED BY CEM

SAMPLE TYPE

Pumped

	ANALYSIS						DET.	
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT
Percent Lower Explosive Limit	METER	5/23/02	8;45	CSC	0.0		% LEL	0
Percent Volume Methane	METER	5/23/02	8:45	CSC	0.0		% VOL	0





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

D.E.P.

APR 0 3 2002

Southwest District Tampa

March 28, 2002

Mr. John Morris
Waste Management Section
Florida Department of

Environmental Protection

3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter I, 2002 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in December, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

This completes the Quarter I, 2002 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
John Power, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-

Attn: JOHN POWER

PROJECT NAME: RESREC GAS Q-I

DATE: 03/28/02

(Page 1 of 3)

	-							
	S	AMPLE				DELIVERY	TO LAI	3
LAB No.	DATE	TIME	SAMPLER			DATE	TIME	MATRIX
114754	03/27/0	2 1100	CHRIS CHI	LDRESS		03/27/02	1642	OT
114755	03/27/0	2 1110	CHRIS CHI	LDRESS		03/27/02	1642	OT
114756	03/27/03	2 1130	CHRIS CHI	LDRESS		03/27/02	1642	OT
114757	03/27/03	2 1140	CHRIS CHI	LDRESS		03/27/02	1642	OT
114758	03/27/03	2 1200	CHRIS CHI	LDRESS		03/27/02	1642	OT
114759	03/27/03	2 1220	CHRIS CHI	LDRESS		03/27/02	1642	OT
114760	03/27/03	2 1530	CHRIS CHI	LDRESS		03/27/02	1642	OT
114761	03/27/03	2 1540	CHRIS CHI	LDRESS		03/27/02	1642	OT
CLIENT	1	LAB S	STATIC WL	% LEL	% VOL	í		
STATION	I D I	NUMBER	FT TO WL	% LEL	% VOL	ı		
4MW-1		114754	21.88	0.0	0.	0		
2MW-1		114755	DRY	0.0	0.	0		
4MW-2		114756	27.84	0.0	0.	0		
2MW-2		114757	27.57	0.0	0.	0		
4MW-4		114758	29.54	0.0	0.	0		
2MW-4		114759	DRY	0.0	0.	0		
4MW-5		114760	26.95	0.0	0.	0		
2MW-5	:	114761	DRY	0.0	0.	0		

landin E. Mulha



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-

Attn: JOHN POWER

(Page 2 of 3)

PROJECT NAME: RESREC GAS Q-I

DATE: 03/28/02

	SAM	PLE				DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPLE	R		DATE	TIME	MATRIX
114762	03/27/02	1600	CHRIS CH	ILDRESS		03/27/02	1642	OT
114763	03/27/02	1610	CHRIS CH	ILDRESS		03/27/02	1642	OT
114764	03/27/02	1400	CHRIS CH	ILDRESS		03/27/02	1642	OT
114765	03/27/02	1410	CHRIS CH	ILDRESS		03/27/02	1642	OT
114766	03/27/02	1420	CHRIS CH	ILDRESS		03/27/02	1642	OT
114767	03/27/02	1430	CHRIS CH	ILDRESS		03/27/02	1642	OT
114768	03/27/02	1440	CHRIS CH	ILDRESS		03/27/02	1642	OT
114769	03/27/02	1310	CHRIS CH	ILDRESS		03/27/02	1642	OT
CLIEN	T L	AB	STATIC WL	% LEL	% VC	L		
STATIO	N ID NU	MBER	FT TO WL	% LEL	% VC	L		
4MW-6	11	4762	30.52	0.0	0	. 0		
2MW-6	11	4763	DRY	0.0	0	. 0		
4MW-11D	11	4764	40.34	0.0	0	. 0		
4MW-12D	11	4765	30.71	0.0	0	. 0		
4MW-13D	11	4766	30.10	0.0	0	. 0		
2MW-13	11	4767	DRY	0.0	0	. 0		
4MW-14D	11	4768	27.25	0.0	0	. 0		
2MW-17S	11	4769	32.23	0.0	0	. 0		

Contin E. Mille



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-

Attn: JOHN POWER

(Page 3 of 3)

PROJECT NAME: RESREC GAS Q-I

DATE: 03/28/02

	SAN	IPLE					DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMP	LER			DATE	TIME	MATRIX
114770	03/27/02	1300	CHRIS	CHILDR	RESS		03/27/02	1642	ОТ
114771	03/27/02	1240	CHRIS	CHILDR	ESS		03/27/02	1642	ОТ
114772	03/27/02	1320	CHRIS	CHILDR	ESS		03/27/02	1642	OT
114773	03/27/02	1330	CHRIS	CHILDR	ESS		03/27/02	1642	OT
114774	03/27/02	1350	CHRIS	CHILDR	ESS		03/27/02	1642	OT
CLIEN' STATIO			TATIC W	577	LEL	% VO % VO			
2MW-18D	11	4770	31.64		0.0	0	. 0		
GMP-1	11	4771	N.R.		0.0	0.0			
GMP-2	11	4772	N.R.		0.0	0.0			
GMP-3	11	4773	N.R.		0.0	0.0			
GMP-4	11	4774	N.R.		0.0	0.0			

NOTE: N. R. = ANALYSIS NOT REQUIRED

LABORATORY DIRECTOR

Landin E. Hulken



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

DHRS # 44237, E44123 CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 03/28/2002

QA/QC for SAMPLE Nos: 114754, 114755, 114756, 114757, 114758, 114759, 114760, 114761, 114762, 114763, 114764, 114765, 114766, 114767, 114768, 114769, 114770, 114771, 114772, 114773, 114774,
Page 1

Precision Data

Accuracy Data

Reference Sample Data

Replicate Replicate

Replicate Replicate

Replicate Replicate

Replicate Replicate

Reference Sample Data

Reference Sample Data

Reference Sample Data

Reference Sample Data

PERCENT LOWER

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

EXPLOSIVE LIMIT METER

% LEL

% VOLUME METHANE

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

METER

% VOL



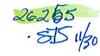
ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902

DHRS # 44237, E44123 CompQAP # 870167G

DATE, TIME, ANALYST REPORT

ANALYSIS

ANALYSIS	METHOD	DATE	TIME	ANALYST	MDL
% LEL	METER	03/27/02	1100	CSC	0
% VOL	METER	03/27/02	1100	CSC	0
STATIC WL	FIELD	03/27/02	1100	CSC	0





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

November 21, 2001

D.E.P.

NOV 2 8 2001

Southwest District Tampa

Mr. John Morris
Waste Management Section
Florida Department of

Environmental Protection

3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter IV, 2001 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in December, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
John Power, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-

Attn: JOHN POWERS

(Page 1 of 3)

PROJECT NAME: RESREC GAS Q-IV

DATE: 11/21/01

	SAM	PLE				DELIVERY	TO LA	B
LAB No.	DATE	TIME	SAMPLER	9		DATE	TIME	MATRIX
111381	11/20/01	0900	CHRIS CHI	LDRESS		11/20/01	1545	OT
111382	11/20/01	0910	CHRIS CHI	LDRESS		11/20/01	1545	OT
111383	11/20/01	1200	CHRIS CHI	LDRESS		11/20/01	1545	OT
111384	11/20/01	1210	CHRIS CHI	LDRESS		11/20/01	1545	OT
111385	11/20/01	1250	CHRIS CHI	LDRESS		11/20/01	1545	OT
111386	11/20/01	1310	CHRIS CHI	LDRESS		11/20/01	1545	OT
111387	11/20/01	1320	CHRIS CHI	LDRESS		11/20/01	1545	OT
111388	11/20/01	1330	CHRIS CHI	LDRESS		11/20/01	1545	OT
CLIEN'	r L	AB S'	TATIC WL	% LEL	8 1	VOL		
STATIO	N ID NU	MBER	FT TO WL	% LEL	8 7	VOL		

D NUMBER	FT TO WL	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	% VOL
111381	DRY	0.0	0.0
111382	20.47	0.0	0.0
111383	25.16	0.0	0.0
111384	25.46	0.0	0.0
111385	DRY	0.0	0.0
111386	26.73	0.0	0.0
111387	DRY	0.0	0.0
111388	24.27	0.0	0.0
	111381 111382 111383 111384 111385 111386 111387	111381 DRY 111382 20.47 111383 25.16 111384 25.46 111385 DRY 111386 26.73 111387 DRY	111381 DRY 0.0 111382 20.47 0.0 111383 25.16 0.0 111384 25.46 0.0 111385 DRY 0.0 111386 26.73 0.0 111387 DRY 0.0

landin E. Thulken



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-

Attn: JOHN POWERS

PROJECT NAME: RESREC GAS Q-IV

DATE: 11/21/01

(Page 2 of 3)

	5	SAMPLE				DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPLER	ર		DATE	TIME	MATRIX
111389	11/20/0	1220	CHRIS CHI	LDRESS		11/20/01	1545	OT
111390	11/20/0	1230	CHRIS CHI	LDRESS		11/20/01	1545	OT
111391	11/20/0	0930	CHRIS CHI	LDRESS		11/20/01	1545	OT
111392	11/20/0	0940	CHRIS CHI	LDRESS		11/20/01	1545	OT
111393	11/20/0	0950	CHRIS CHI	LDRESS		11/20/01	1545	OT
111394	11/20/0	1000	CHRIS CHI	LDRESS		11/20/01	1545	OT
111395	11/20/0	1010	CHRIS CHI	LDRESS		11/20/01	1545	OT
111396	11/20/0	1050	CHRIS CHI	LDRESS		11/20/01	1545	OT
CLIENT	Γ	LAB S	STATIC WL	% LEL	% V	OL		
STATION	N ID	NUMBER	FT TO WL	% LEL	% V	OL		
2MW-6		111389	DRY	0.0		0.0		
4MW-6		111390	27.80	0.0		0.0		
4MW-11D		111391	37.80	0.0		0.0		
4MW-12D		111392	28.42	0.0		0.0		
4MW-13D		111393	27.86	0.0		0.0		
2MW-13		111394	DRY	0.0		0.0		
4MW-14D		111395	25.11	0.0		0.0		
2MW-17S		111396	29.42	0.0		0.0		

landin E. / Mulher



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY

14230 HAYS ROAD

SPRING HILL, FL 34610-

Attn: JOHN POWERS

(Page 3 of 3)

PROJECT NAME: RESREC GAS Q-IV

DATE: 11/21/01

	SAM	IPLE		DELIVERY TO LAB
LAB No.	DATE	TIME	SAMPLER	DATE TIME MATRIX
111397	11/20/01	1100	CHRIS CHILDRESS	11/20/01 1545 OT
111398	11/20/01	1110	CHRIS CHILDRESS	11/20/01 1545 OT
111399	11/20/01	1120	CHRIS CHILDRESS	11/20/01 1545 OT
111400	11/20/01	1130	CHRIS CHILDRESS	11/20/01 1545 OT
111401	11/20/01	1140	CHRIS CHILDRESS	11/20/01 1545 OT

CLIENT	LAB	STATIC WL	% LEL	% AOT
STATION	ID NUMBER	R FT TO WL	% LEL	% VOL
2MW-18D	11139	7 28.87	0.0	0.0
GMP-1	111398	N.R.	0.0	0.0
GMP-2	111399	9 N.R.	0.0	0.0
GMP-3	111400	N.R.	0.0	0.0
GMP-4	111401	N.R.	0.0	0.0

NOTE: N. R. = ANALYSIS NOT REQUIRED

LABORATORY DIRECTOR

Carlie E. Mulke



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 11/21/2001

QA/QC for SAMPLE Nos: 111381, 111382, 111383, 111384, 111385, 111386, 111387, 111388, 111389, 111390, 111391, 111392, 111394, 111395, 111396, 111397, 111398, 111399, 111400, 111401,
Page 1

Precision Data

Accuracy Data

Reference Sample Data

Replicate Replicate

% Spike

Reference

%

Analyte

LAB ID

A

B

Range

RPD %

Recovery

Sample ID

Target

Found

Recovery

PERCENT LOWER

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

EXPLOSIVE LIMIT

METER

% LEL

% VOLUME METHANE

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

METER

% VOL



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

DATE, TIME, ANALYST REPORT

ANALYSIS

ANALYSIS	METHOD	DATE	TIME	ANALYST	MDL
-					
% LEL	METER	11/20/01	0900	CSC	0
% VOL	METER	11/20/01	0900	CSC	0
STATIC WL	FIELD	11/20/01	0900	CSC	0





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

D.E.P.

JUL 2 7 2001 Southwest District Tampa

July 25, 2001

Mr. John Morris
Waste Management Section
Florida Department of

Environmental Protection

3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter III, 2001 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in December, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 1 of 3)

PROJECT NAME: RESREC GAS QIII

DATE: 07/24/01

	SAM	PLE				DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMI	PLER		DATE	TIME	MATRIX
107309	07/18/01	1220	CHRIS	CHILDRESS		07/18/01	1600	OT
107310	07/18/01	1210	CHRIS	CHILDRESS		07/18/01	1600	OT
107311	07/18/01	1200	CHRIS	CHILDRESS		07/18/01	1600	OT
107312	07/18/01	1230	CHRIS	CHILDRESS		07/18/01	1600	OT
107313	07/18/01	0900	CHRIS	CHILDRESS		07/18/01	1600	OT
107314	07/18/01	0910	CHRIS	CHILDRESS		07/18/01	1600	OT
107315	07/18/01	0930	CHRIS	CHILDRESS		07/18/01	1600	OT
107316	07/18/01	0940	CHRIS	CHILDRESS		07/18/01	1600	OT
CLIEN	r L	AB S	TATIC W	VL % LE	L %	VOL		
STATIO	N ID NU	MBER	FT TO W	VL % LE	L %	VOL		

STATION ID	NUMBER	FT TO WL	% LEL	% VOL
GMP-1	107309	N/A	0.0	0.0
GMP-2	107310	N/A	0.0	0.0
GMP-3	107311	N/A	0.0	0.0
GMP-4	107312	N/A	0.0	0.0
2MW1	107313	DRY	0.0	0.0
4MW1	107314	21.91	0.0	0.0
2MW2	107315	DRY	0.0	0.0
4MW2	107316	28.71	0.0	0.0

LABORATORY DIRECTOR

landin E. / hulke



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY
14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

107322

107323

107324

31.72

40.78

31.23

(Page 2 of 3)

4MW6

4MW11D

4MW12D

PROJECT NAME: RESREC GAS QIII

DATE: 07/24/01

0.0

0.0

0.0

		IPLE			DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPL	ER	DATE	TIME	MATRIX
107317	07/18/01	1030	CHRIS C	HILDRESS	07/18/01	1600	OT
107318	07/18/01	1050	CHRIS C	HILDRESS	07/18/01	1600	OT
107319	07/18/01	1110	CHRIS C	HILDRESS	07/18/01	1600	OT
107320	07/18/01	1120	CHRIS C	HILDRESS	07/18/01	1600	OT
107321	07/18/01	1000	CHRIS C	HILDRESS		1600	OT
107322	07/18/01	1010	CHRIS C	HILDRESS	07/18/01	1600	ОТ
107323	07/18/01	1210	CHRIS CH	HILDRESS		1600	OT
107324	07/18/01	1220	CHRIS CH	HILDRESS	07/18/01	1600	OT
CLIEN	T L	AB S	STATIC WL	% LEL	% VOL		
STATIO	N ID NU	MBER	FT TO WL	% LEL	% VOL		
2MW4	10	7317	DRY	0.0	0.0		
4MW4	10	7318	30.64	0.0	0.0		
2MW5	10	7319	DRY	0.0	0.0		
4MW5	10	7320	28.13	0.0	0.0		
2MW6	10	7321	DRY	0.0	0.0		

LABORATORY DIRECTOR

0.0

0.0

0.0

line in The Market



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 3 of 3)

PROJECT NAME: RESREC GAS QIII

DATE: 07/24/01

	SAM	PLE					DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMP	LER			DATE	TIME	MATRIX
107325	07/18/01	1230	CHRIS	CHILDRE	SS		07/18/01	1600	OT
107326	07/18/01	1240	CHRIS	CHILDRE	SS		07/18/01	1600	OT
107327	07/18/01	1300	CHRIS	CHILDRE	SS		07/18/01	1600	OT
107328	07/18/01	1310	CHRIS	CHILDRE	SS		07/18/01	1600	OT
107329	07/18/01	1320	CHRIS	CHILDRE	SS		07/18/01	1600	OT
107330	07/18/01	1400	CHRIS	CHILDRE	SS		07/18/01	1600	OT
107331	07/18/01	1410	CHRIS	CHILDRE	SS		07/18/01	1600	OT
CLIEN'	T L	AB S	TATIC W	IL %	LEL	% VO	L		
STATIO	N ID NU	MBER	FT TO W	IL %	LEL	% VO	L		

STATION ID	NUMBER	FT TO WL	% LEL	% VOL
4MW13D	107325	30.60	0.0	0.0
2MW13	107326	DRY	0.0	0.0
4MW14D	107327	27.65	0.0	0.0
4MW15D	107328	29.00	0.0	0.0
4MW16D	107329	26.46	0.0	0.0
2MW17S	107330	33.21	0.0	0.0
2MW18D	107331	32.68	0.0	0.0

LABORATORY DIRECTOR

landia E. Mulha



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE RICHEY, FL 34654

847-8902

May 23, 2001

Mr. John Morris Waste Management Section Florida Department of **Environmental Protection** 3804 Coconut Palm Drive Tampa, Fl 33619

SOUTHWEST DISTRICT

RE: Hays Road Class I Landfill

Quarter II, 2001 **Gas Monitoring**

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in December, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern

Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director Vincent Mannella, Solid Waste Facility Manager



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 1 of 3)

PROJECT NAME: RES REC GAS

DATE: 05/23/01

	SAM	PLE						DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPI	LER				DATE	TIME	MATRIX
105360	05/22/01	1010	CHRIS (CHILDRE	SS			05/22/01	1630	OT
105361	05/22/01	1020	CHRIS (CHILDRE	SS			05/22/01	1630	OT
105362	05/22/01	1040	CHRIS (CHILDRE	SS			05/22/01	1630	OT
105363	05/22/01	1050	CHRIS	CHILDRE	SS			05/22/01	1630	OT
105364	05/22/01	1140	CHRIS	CHILDRE	SS			05/22/01	1630	OT
105365	05/22/01	1130	CHRIS	CHILDRE	SS			05/22/01	1630	OT
105366	05/22/01	1450	CHRIS	CHILDRE	SS			05/22/01	1630	OT
105367	05/22/01	1500	CHRIS	CHILDRE	SS			05/22/01	1630	OT
CLIENT	Γ L	AB S	TATIC W	L %	$_{ m LEL}$	ે	VOL			
STATION	NU DI NU	MBER	FT TO W	L %	$_{ m LEL}$	ે	VOL			
2MW-1	10	5360	DRY		0.0		0.	0		
4MW-1	10	5361	22.64		0.0		0.	0		
2MW-2	10	5362	28.50		0.0		0.	0		
4MW-2	10	5363	28.82		0.0		0.	0		
2MW-4	10	5364	DRY		0.0		0.	0		
4MW-4	10	5365	30.64		0.0		0.	0		
2MW-5	10	5366	DRY		0.0		0.	0		
4MW-5	10	5367	28.04		0.0		0.	0		



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 2 of 3)

PROJECT NAME: RES REC GAS

DATE: 05/23/01

	SI	AMPLE				DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPL	ER		DATE	TIME	MATRIX
105368	05/22/03	1100	CHRIS C	HILDRESS		05/22/01	1630	OT
105369	05/22/03	1110	CHRIS C	HILDRESS		05/22/01	1630	OT
105370	05/22/03	1320	CHRIS C	HILDRESS		05/22/01	1630	TO
105371	05/22/03	1330	CHRIS C	HILDRESS		05/22/01	1630	TO
105372	05/22/03	1340	CHRIS C	HILDRESS		05/22/01	1630	OT
105373	05/22/03	1 1350	CHRIS C	HILDRESS		05/22/01	1630	OT
105374	05/22/03	1400	CHRIS C	HILDRESS		05/22/01	1630	TO
105375	05/22/03	1410	CHRIS C	HILDRESS		05/22/01	1630	OT
CLIEN	Г	LAB	STATIC WL	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	%	VOL		
STATION	I DI	NUMBER	FT TO WL	% LEL	%	VOL		
2MW-6	1	105368	DRY	0.0		0.0		
4MW-6	-	105369	31.50	0.0		0.0		
4MW-11D		105370	41.44	0.0		0.0		
4MW-12D		105371	31.72	0.0		0.0		
4MW-13D		105372	31.00	0.0		0.0		
2MW-13		105373	DRY	0.0		0.0		
4MW-14D		105374	28.22	0.0		0.0		
4MW-15D	:	105375	29.66	0.0		0.0		

LABORATORY DIRECTOR & E. Malle



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 3 of 3)

PROJECT NAME: RES REC GAS

DATE: 05/23/01

	S	AMPLE					DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMP	LER			DATE	TIME	MATRIX
105376	05/22/0	1 1420	CHRIS	CHILI	DRESS		05/22/01	1630	OT
105377	05/22/0	1 1300	CHRIS	CHILI	DRESS		05/22/01	1630	OT
105378	05/22/0	1 1220	CHRIS	CHILI	DRESS		05/22/01	1630	OT
105379	05/22/0	1 1210	CHRIS	CHILI	DRESS		05/22/01	1630	OT
105380	05/22/0	1 1200	CHRIS	CHILI	DRESS		05/22/01	1630	OT
105381	05/22/0	1 1240	CHRIS	CHILI	DRESS		05/22/01	1630	OT
105382	05/22/0	1 1230	CHRIS	CHILI	DRESS		05/22/01	1630	OT
CLIENT		LAB	STATIC W	L	% LEL	% V(OL		
STATION	1 ID	NUMBER	FT TO W	L	% LEL	% V(OL		
4MW-16D		105376	27.30		0.0	· (0.0		
2MW-17S		105377	33.52		0.0		0.0		
2MW-18D		105378	32.70		0.0		0.0		
GMP-1		105379	N.R.		0.0	0.0)		
GMP-2		105380	N.R.		0.0	0.0)		
GMP-3		105381	N.R.		0.0	0.0)		
GMP-4		105382	N.R.		0.0	0.0)		

NOTE: N. R. = ANALYSIS NOT REQUIRED

LABORATORY DIRECTOR Local E- Mill



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

DHRS # 44237, E44123 CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 05/23/2001

QA/QC for SAMPLE Nos: 105360, 105361, 105362, 105363, 105364, 105365, 105366, 105367, 105368, 105369, 105370, 105371, 105372, 105373, 105374, 105375, 105376, 105377, 105378, 105379, 105380, 105381, 105382,

Page 1

Precision Data Accuracy Data Reference Sample Data ______ % Spike Reference Replicate Replicate LAB ID A B Range RPD % Recovery Sample ID Target Found Recovery

Analyte

PERCENT LOWER

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

EXPLOSIVE LIMIT METER

% LEL

% VOLUME METHANE

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

METER

% VOL



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

DATE, TIME, ANALYST REPORT

ANALYSIS

ANALYSIS		METHOD	DATE	TIME	ANALYST	MDL
	% LEL	METER	05/22/01	1010	CSC	0
	% VOL	METER	05/22/01	1010	CSC	0
	STATIC WL	FIELD	05/22/01	1010	CSC	0



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

February 16, 2001

Mr. John Morris
Waste Management Section
Florida Department of

Environmental Protection

3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill

Quarter I, 2001 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in December, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 1 of 3)

PROJECT NAME: RES REC GAS MON

DATE: 02/15/01

	SAM	PLE				DELIVERY	TO LA	B
LAB No.	DATE	TIME	SAMI	PLER		DATE	TIME	MATRIX
101641	02/13/01	0930	CHRIS	CHILDRESS		02/13/01	1700	OT
101642	02/13/01	0920	CHRIS	CHILDRESS		02/13/01	1700	OT
101643	02/13/01	1410	CHRIS	CHILDRESS		02/13/01	1700	OT
101644	02/13/01	1420	CHRIS	CHILDRESS		02/13/01	1700	OT
101645	02/13/01	1120	CHRIS	CHILDRESS		02/13/01	1700	OT
101646	02/13/01	1130	CHRIS	CHILDRESS		02/13/01	1700	OT
101647	02/13/01	1150	CHRIS	CHILDRESS		02/13/01	1700	OT
101648	02/13/01	1200	CHRIS	CHILDRESS		02/13/01	1700	OT
CLIEN'	T L	AB S	TATIC V	VL % LEL	왕	VOL		
STATIO	N ID NU	MBER	FT TO V	VL % LEL	%	VOL		

STATION ID	NUMBER	FT TO WL	% LEL	% AOT
OMET 1	101641	DDU	0 0	0 0
2MW-1	101641	DRY	0.0	0.0
4MW-1	101642	21.38	0.0	0.0
2MW-2	101643	27.00	0.0	0.0
4MW-2	101644	27.35	0.0	0.0
2MW-4	101645	DRY	0.0	0.0
4MW-4	101646	29.18	0.0	0.0
2MW-5	101647	DRY	0.0	0.0
4MW-5	101648	26.60	0.0	0.0

Carlie E. / hulke



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

(Page 2 of 3)

PROJECT NAME: RES REC GAS MON

DATE: 02/15/01

	S	AMPLE				DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPLER			DATE	TIME	MATRIX
101649	02/13/0	1 0950	CHRIS CHI	LDRESS		02/13/01	1700	OT
101650	02/13/0	1 1000	CHRIS CHI	LDRESS		02/13/01	1700	OT
101651	02/13/0	1 1300	CHRIS CHI	LDRESS		02/13/01	1700	OT
101652	02/13/0	1 1310	CHRIS CHI	LDRESS		02/13/01	1700	OT
101653	02/13/0	1 1320	CHRIS CHI	LDRESS		02/13/01	1700	OT
101654	02/13/0	1 1330	CHRIS CHI	LDRESS		02/13/01	1700	OT
101655	02/13/0	1 1340	CHRIS CHI	LDRESS		02/13/01	1700	OT
101656	02/13/0	1 1350	CHRIS CHI	LDRESS		02/13/01	1700	OT
CLIENT	Г	LAB	STATIC WL	% LEL	% VOI	J		
STATION	ID :	NUMBER	FT TO WL	% LEL	% VOI	J		
2MW-6		101649	DRY	0.0	0.	0		
4MW-6		101650	30.04	0.0	0.	0		
4MW-11D		101651	39.96	0.0	0.	0		
4MW-12D		101652	30.36	0.0	0.	0		
2MW-13		101653	DRY	0.0	0.	0		
4MW-13D	9	101654	29.72	0.0	0.	0		
4MW-14D		101655	26.90	0.0	0.	0		
4MW-15D		101656	28.46	0.0	0.	0		

landin Z. /hulken



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

PROJECT NAME: RES REC GAS MON DATE: 02/15/01

(Page 3 of 3)

	9714								
	SAM	PLE				DELIVERY	TO LA	3	
LAB No.	DATE	TIME	SAMPLI	ΞR		DATE	TIME	MATRIX	
101657	02/13/01	1400	CHRIS CH	HILDRESS	C	2/13/01	1700	OT	
101658	02/13/01	1220	CHRIS CH	HILDRESS	C	2/13/01	1700	OT	
101659	02/13/01	1230	CHRIS CH	HILDRESS	C	2/13/01	1700	OT	
101660	02/13/01	1240	CHRIS CH	HILDRESS	C	2/13/01	1700	OT	
101661	02/13/01	1250	CHRIS CH	HILDRESS	O	2/13/01	1700	OT	
CLIENT	r L	AB S	TATIC WL	% LEL	% VOL				
STATION	1 ID NU	MBER	FT TO WL	% LEL	% VOL				
4MW-16D	10	1657	26.06	0.0	0.0)			
GMP-1	10	1658	N/A	0.0	0.0)			
GMP-2	10	1659	N/A	0.0	0.0)			
GMP-3	10	1660	N/A	0.0	0.0)			
GMP-4	10	1661	N/A	0 0	0 0	¥.			

LABORATORY DIRECTOR

Carolia E. /hulken



ENVIRONMENTAL LABORATORY

8864 GOVERNMENT DRIVE

NEW PORT RICHEY, FL 34654

(727) 847-8902

DHRS # 44237, E44123 CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 02/15/2001

QA/QC for SAMPLE Nos: 101641, 101642, 101643, 101644, 101645, 101646, 101647, 101648, 101649, 101650, 101651, 101652, 101653, 101654, 101655, 101656, 101657, 101658, 101659, 101660, 101661, Page 1

Precision Data Accuracy Data Reference Sample Data

Replicate Replicate % Spike Reference %

Analyte LAB ID A B Range RPD % Recovery Sample ID Target Found Recovery

PERCENT LOWER

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

EXPLOSIVE LIMIT

METER

% LEL

% VOLUME METHANE

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

METER

% VOL



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

DATE, TIME, ANALYST REPORT

ANALYSIS

			17741777	710			
ANALYSIS		METHOD	DATE TIME		ANALYST	MDL	
	% LEL	METER	02/13/01	1800	CSC	0	
	% VOL	METER	02/13/01	0800	CSC	0	
	STATIC WL	FIELD	02/13/01	0920	CSC	0	





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

NOV 1 7 2000 Southwest District Tampa

November 15, 2000

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl. 33619

RE: Hays Road Class I Landfill Quarter IV, 2000 Gas Monitoring

Dear Ms. Amram:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in March, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager



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

DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RES REC Q-IV 00

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER- 98364 SAMPLE ID- 2MW-1

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT TIME SAMPLED- 1430

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 1 of 21

	ANALYSIS				
ANALYSIS	METHOD	DATE	TIME BY	RESULT UNITS	DQ LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1430 CSC	DRY FT TO WL	

DATE: 11/14/00

% VOLUME METHANE METER

PERCENT LOWER EXPLOSIVE LIMIT METER

11/09/00 1500 CSC 0.0 % LEL 11/09/00 1500 CSC

0.0 % VOL

mlie E. /hulken



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

DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER-98365 SAMPLE ID- 4MW-1

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1440

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 2 of 21

ANALYSIS					DET.				
	ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ LIMIT	
	STATIC WATER LEVEL	FIELD	11/09/00	1440	CSC	19.34	FT TO WL		
	PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL	C)
	% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOI	0	1

LABORATORY DIRECTOR

Colin Z. Thulken



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98366 SAMPLE ID- 2MW-2

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1250

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 3 of 21

ANALYSIS

DET.

ANALYSIS

METHOD

DATE

TIME BY RESULT UNITS DQ LIMIT

STATIC WATER LEVEL

PERCENT LOWER EXPLOSIVE LIMIT METER

FIELD

11/09/00 1250 CSC

24.56 FT TO WL

11/09/00 1500 CSC

0.0 % LEL

0

% VOLUME METHANE

METER

11/09/00 1500 CSC

0.0 % VOL

Lin E. /hulke

0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER-

DATE SAMPLED- 11/09/00

98367 SAMPLE ID- 4MW-2

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1300

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 4 of 21

ANALYSIS

ANALYSIS

DATE: 11/14/00

METHOD DATE

TIME BY RESULT UNITS

PROJECT NAME: RES REC Q-IV 00

DQ LIMIT

STATIC WATER LEVEL

PERCENT LOWER EXPLOSIVE LIMIT METER

FIELD

11/09/00 1300 CSC

24.96 FT TO WL

DET.

11/09/00 1500 CSC

0.0 % LEL

0

% VOLUME METHANE

METER

11/09/00 1500 CSC

0.0 % VOL

0

LABORATORY DIRECTOR

India E. / Kulke



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98368 SAMPLE ID- 2MW-4

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500

DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1140

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 5 of 21

ANALYSIS

ANALYSIS DET. METHOD DATE TIME BY RESULT UNITS DQ LIMIT

STATIC WATER LEVEL PERCENT LOWER EXPLOSIVE LIMIT METER

FIELD

11/09/00 1140 CSC 11/09/00 1500 CSC

DRY FT TO WL 0.0 % LEL

0

% VOLUME METHANE

METER

11/09/00 1500 CSC

0.0 % VOL

0



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DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98369 SAMPLE ID- 4MW-4

SAMPLE MATRIX- OT

DATE SAMPLED- 11/09/00

TIME SAMPLED- 1130 RECEIVED BY- CEM

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Grab

Page 6 of 21

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

RESULT UNITS

DQ LIMIT

India E. The

STATIC WATER LEVEL

FIELD

11/09/00 1130 CSC

26.36 FT TO WL

PERCENT LOWER EXPLOSIVE LIMIT METER

11/09/00 1500 CSC

0.0 % LEL

% VOLUME METHANE

0

METER

11/09/00 1500 CSC

0.0 % VOL

0



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

DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER- 98370 SAMPLE ID- 2MW-5

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1400

RECEIVED BY- CEM

TYPE SAMPLE- Grab

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		ANALY	SIS					DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1400	CSC	DRY	FT TO WL		
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOL		0

LABORATORY DIRECTOR

alin Z. /hull



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DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98371 SAMPLE ID- 4MW-5

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1410

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 8 of 21

ANALYSIS					DET.	
ANALYSIS	METHOD	DATE	TIME BY	RESULT	UNITS	DQ LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1410 CSC	23.78	FT TO WL	
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500 CSC	0.0	% LEL	0
% VOLUME METHANE	METER	11/09/00	1500 CSC	0.0	% VOL	0

LABORATORY DIRECTOR

andia E. Thulken



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98372 SAMPLE ID- 2MW-6

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500

DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1230

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 9 of 21

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY RESULT UNITS

DQ LIMIT

FIELD

11/09/00 1230 CSC

STATIC WATER LEVEL

DRY FT TO WL

andie E. /helle

0

PERCENT LOWER EXPLOSIVE LIMIT METER

11/09/00 1500 CSC

0.0 % LEL

% VOLUME METHANE

METER

11/09/00 1500 CSC

0.0 % VOL



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DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER- 98373 SAMPLE ID- 4MW-6

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1240

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 10 of 21

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1240	CSC	27.32	FT TO WL		
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOI.		0

Carlin E. /helle



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DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

DATE SAMPLED- 11/09/00

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER-

98374 SAMPLE ID- 4MW-11D

TIME RECEIVED- 1500

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS DELIVERED BY- CHRIS CHILDRESS SAMPLE MATRIX- OT

TIME SAMPLED- 1310 RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 11 of 21

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY RESULT UNITS

DQ LIMIT

STATIC WATER LEVEL

FIELD

11/09/00 1310 CSC

37.22 FT TO WL

11/09/00 1500 CSC

0.0 % LEL

0

PERCENT LOWER EXPLOSIVE LIMIT METER % VOLUME METHANE

METER

11/09/00 1500 CSC

0.0 % VOL

andi E. Mull



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DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98375 SAMPLE ID- 4MW-12D

METER

SAMPLE MATRIX- OT

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME SAMPLED- 1315 RECEIVED BY- CEM

STATIC WATER LEVEL

% VOLUME METHANE

PERCENT LOWER EXPLOSIVE LIMIT

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Grab

Page 12 of 21

ANALYSIS

	ANALYS	SIS				DET.		
METHOD	DATE	TIME	BY	RESULT	UNITS	DO	LIMIT	
						~		
BIBID	11/00/00	1215	aaa	0.17	DB 80 117			
FIELD	11/09/00	1315	CSC	27.82	FT TO WL			
METER	11/09/00	1500	CSC	0.0	% LEL		()
	ACCOUNT OF THE PARTY OF THE PAR				VI-10			

11/09/00 1500 CSC 0.0 % VOL

LABORATORY DIRECTOR

andin E. /hulke



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DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

PROJECT NAME: RES REC O-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98376 SAMPLE ID- 4MW-13D

SAMPLE MATRIX- OT

DATE SAMPLED- 11/09/00

TIME SAMPLED- 1320 RECEIVED BY- CEM

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Grab

Page 13 of 21

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1320	CSC	27.20	FT TO WL		
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOI.		0

LABORATORY DIRECTOR

andia E. /hulke



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER-

98377 SAMPLE ID- 2MW-13

DATE SAMPLED- 11/09/00

TIME RECEIVED- 1500

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1325 RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 14 of 21

ANALYSIS

RESULT UNITS

DET. DQ LIMIT

ANALYSIS

METHOD

DATE TIME BY

STATIC WATER LEVEL

FIELD

11/09/00 1325 CSC

20.94 FT TO WL

PERCENT LOWER EXPLOSIVE LIMIT METER

11/09/00 1500 CSC

0.0 % LEL

0

0

% VOLUME METHANE

METER

11/09/00 1500 CSC

0.0 % VOL



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DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER- 98378 SAMPLE ID- 4MW-14D

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1330

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 15 of 21

	ANALYSIS								
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT	
STATIC WATER LEVEL	FIELD	11/09/00	1330	CSC	24.38	FT TO WL			
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0	
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOL		0	



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DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98379 SAMPLE ID- 4MW-15D

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1335

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 16 of 21

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1335	CSC	25.94	FT TO WL		
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOL		0



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DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER-

98380 SAMPLE ID- 4MW-16D

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500

DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1340

RECEIVED BY- CEM

TYPE SAMPLE- Grab

Page 17 of 21

ANALYSIS

DET.

ANALYSIS

METHOD

DATE

TIME BY

RESULT UNITS

DQ LIMIT

STATIC WATER LEVEL

11/09/00 1340 CSC

23.42 FT TO WL

FIELD

0.0 % LEL

PERCENT LOWER EXPLOSIVE LIMIT METER

11/09/00 1500 CSC

0

% VOLUME METHANE

METER

11/09/00 1500 CSC

0.0 % VOL

0

LABORATORY DIRECTOR

andia E. / hulke



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

DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER- 98381 SAMPLE ID- GMP-1

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1150

RECEIVED BY- CEM

TYPE SAMPLE- Grab

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	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1150	CSC	N/A	FT TO WL		
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOL		0

LABORATORY DIRECTOR

Carlin Z. / hulke



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DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98382 SAMPLE ID- GMP-2

SAMPLE MATRIX- OT

DATE SAMPLED- 11/09/00

TIME SAMPLED- 1200 RECEIVED BY- CEM

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TYPE SAMPLE- Grab

Page 19 of 21

	ANALYSIS							DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1200	CSC	N/A	FT TO WL		
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOL		0

LABORATORY DIRECTOR

landin E. Mulke



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

DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER- 98383 SAMPLE ID- GMP-3

DATE SAMPLED- 11/09/00

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT

TIME SAMPLED- 1210

RECEIVED BY- CEM

TYPE SAMPLE- Grab

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	ANALYSIS									
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT		
STATIC WATER LEVEL	FIELD	11/09/00	1210	CSC	N/A	FT TO WL				
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0		
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOL		0		



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC Q-IV 00

DATE: 11/14/00

SAMPLE NUMBER- 98384 SAMPLE ID- GMP-4

SAMPLE MATRIX- OT

DATE SAMPLED- 11/09/00

TIME SAMPLED- 1220

DATE RECEIVED- 11/09/00 SAMPLER- CHRIS CHILDRESS

RECEIVED BY- CEM

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Grab

Page 21 of 21

	ANALYSIS							
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ	LIMIT
STATIC WATER LEVEL	FIELD	11/09/00	1220	CSC	N/A	FT TO WL		
PERCENT LOWER EXPLOSIVE LIMIT	METER	11/09/00	1500	CSC	0.0	% LEL		0
% VOLUME METHANE	METER	11/09/00	1500	CSC	0.0	% VOL		0

LABORATORY DIRECTOR

Landia E. Thulken



8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902

DHRS # 44237, E44123 CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 11/14/2000

QA/QC for SAMPLE Nos: 98364, 98365, 98366, 98367, 98368, 98369, 98370, 98371, 98372, 98373, 98374, 98375, 98376, 98377, 98378, 98379, 98380, 98381, 98382, 98383, 98384,

Page 1

Precision Data

Accuracy Data ______

Reference Sample Data

Replicate Replicate

% Spike

Reference

%

Analyte

A B Range RPD % Recovery Sample ID Target Found Recovery

LAB ID

PERCENT LOWER EXPLOSIVE LIMIT NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

METER

% LEL

% VOLUME METHANE

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

METER

% VOL



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

Department of Environmental Protection

August 08, 2000

Ms. Allison Amram **Environmental Specialist III** Waste Management Section Florida Department of **Environmental Protection** 3804 Coconut Palm Drive Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter III, 2000

Gas Monitoring

Dear Ms. Amram:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in March, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director

Vincent Mannella, Solid Waste Facility Manager



Department of Environmental Protection SOUTHWEST DISTRICT

DHRS # 44237, E44123 CompQAP # 870167G

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

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

(Page 1 of 3)

PROJECT NAME: RESREC GAS

DATE: 08/08/00

	SAN	IPLE				DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPLE	?		DATE	TIME	MATRIX
94813	08/04/00	0930	CHRIS CHI	ILDRESS		08/04/00	1440	OT
94814	08/04/00	1150	CHRIS CHI	LDRESS		08/04/00	1440	OT
94815	08/04/00	1000	CHRIS CHI	LDRESS		08/04/00	1440	OT
94816	08/04/00	1010	CHRIS CHI	LDRESS		08/04/00	1440	OT
94817	08/04/00	1040	CHRIS CHI	LDRESS		08/04/00	1440	OT
94818	08/04/00		CHRIS CHI	LDRESS		08/04/00	1440	OT
94819	08/04/00		CHRIS CHI	LDRESS		08/04/00	1440	OT
94820	08/04/00	1110	CHRIS CHI	LDRESS		08/04/00	1440	OT
CLIENT	r I	AB S	STATIC WL	% LEL	% VOI	Ü		
STATION	ID NO	MBER	FT TO WL	% LEL	% VOI	i .		
2MW-1	9	4813	DRY	0.0	0.	. 0		
4MW-1	9	4814	19.38	0.0	0.	0		
2MW-2	9	4815	27.42	0.0	0.	0		
4MW-2	ġ	4816	27.54	0.0	٠ 0.	0		
2MW-4	9	4817	DRY	0.0	0.	0		
4MW-4	9	4818	29.46	0.0	0.	0		
2MW-5	9	4819	DRY	0.0	0.	0		
4MW-5	9	4820	26.68	0.0	0.	0		



Department of Environmental Protection SOUTHWEST DISTRICT

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ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 2 of 3)

PROJECT NAME: RESREC GAS

DATE: 08/08/00

	SAM	PLE				DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPL	ER		DATE	TIME	MATRIX
94821	08/04/00	1020	CHRIS C	HILDRESS		08/04/00	1440	OT
94822	08/04/00	1030	CHRIS C	HILDRESS		08/04/00	1440	OT
94823	08/04/00	1230	CHRIS C	HILDRESS		08/04/00	1440	OT
94824	08/04/00	1240	CHRIS C	HILDRESS		08/04/00	1440	OT
94825	08/04/00	1250	CHRIS C	HILDRESS		08/04/00	1440	OT
94826	08/04/00	1300	CHRIS C	HILDRESS		08/04/00	1440	OT
94827	08/04/00	1310	CHRIS C	HILDRESS		08/04/00	1440	OT
94828	08/04/00	1320	CHRIS C	HILDRESS		08/04/00	1440	OT
CLIEN	T L	AB S	STATIC WL	% LEL	% VOI			
STATIO	N ID NU	MBER	FT TO WL	% LEL	% VOI			
2MW-6	9	4821	DRY	0.0	0.	0		
4MW-6	9	4822	30.54	0.0	0.	0		
4MW-11D	9	4823	39.24	0.0	0.	0		
4MW-12D	9	4824	294.70	0.0	0.	0		
4MW-13D	9	4825	29.06	0.0	0.	0		
2MW-13	9	4826	DRY	0.0	0.	0		
4MW-14D	9	4827	25.98	0.0	0.	0		
4MW-15D	9	4828	27.30	0.0	0.	0		



PASCO COUNTY, FLORIDA And of Environmental Protection

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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

PROJECT NAME: RESREC GAS

DATE: 08/08/00

(Page 3 of 3)

SAMPLE

LAB No.

DATE TIME SAMPLER

94829 08/04/00 1120 CHRIS CHILDRESS

DELIVERY TO LAB

DATE TIME MATRIX

08/04/00 1440 OT

CLIENT

LAB STATIC WL

% LEL

% VOL

STATION ID NUMBER FT TO WL

% LEL

% VOL

4MW-16D

94829 24.50 0.0

0.0





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

May 25, 2000

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter II, 2000

Gas Monitoring

Dear Ms. Amram:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in March, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

Carolin E. Thulken

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 1 of 4)

PROJECT NAME: RES REC GAS MON

DATE: 05/25/00

	S	AMPLE		DELIVERY	TO LA	3
LAB No.	DATE	TIME	SAMPLER	DATE	TIME	MATRIX
92132	05/23/0	0 1225	CHRIS CHILDRESS	05/23/00	1400	OT
92133	05/23/0	0 1235	CHRIS CHILDRESS	05/23/00	1400	OT
92134	05/23/0	0 1105	CHRIS CHILDRESS	05/23/00	1400	OT
92135	05/23/0	0 1100	CHRIS CHILDRESS	05/23/00	1400	OT
92136	05/23/0	0 1025	CHRIS CHILDRESS	05/23/00	1400	OT
92137	05/23/0	0 1015	CHRIS CHILDRESS	05/23/00		OT
92138	05/23/0	0 0945	CHRIS CHILDRESS	05/23/00		OT
92139	05/23/0	0 0950	CHRIS CHILDRESS	05/23/00	1400	OT
CLIEN	T	LAB	STATIC WATER LEVEL	PERCENT	LOWER	EXPLOSIVE LIMIT
STATIO	N ID 1	NUMBER	FT TO WL		%	LEL
2MW-1		92132	DRY			0.0
4MW-1		92133	22.40			0.0
2MW-2		92134	27.40			0.0
4MW-2		92135	27.75			0.0
2MW-4		92136	DRY			0.0
4MW-4		92137	29.65			0.0
2MW-5		92138	DRY			0.0
4MW-5		92139	27.20			0.0



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

DHRS # 44237, E44123 CompQAP # 870167G

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REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

(Page 3 of 4)

PROJECT NAME: RES REC GAS MON

DATE: 05/25/00

	S	SAMPLE		DELIVERY	TO LAI	В	
LAB No.	DATE	TIME	SAMPLER	DATE	TIME	MATRIX	
92140	05/23/0	00 1050	CHRIS CHILDRESS	05/23/00	1400	OT	
92141	05/23/0	00 1045	CHRIS CHILDRESS	05/23/00	1400	OT	
92142	05/23/0	00 1210	CHRIS CHILDRESS	05/23/00	1400	OT	
92143	05/23/0	00 1155	CHRIS CHILDRESS	05/23/00	1400	OT	
92144	05/23/0	00 1145	CHRIS CHILDRESS	05/23/00	1400	TO	
92145	05/23/0	00 1140	CHRIS CHILDRESS	05/23/00	1400	OT	
92146	05/23/0	00 1130	CHRIS CHILDRESS	05/23/00	1400	OT	
92147	05/23/0	00 1120	CHRIS CHILDRESS	05/23/00	1400	OT	
CLIENT	Γ	LAB	STATIC WATER LEVEL	PERCENT	LOWER	EXPLOSIVE LIMI	Г
STATION	1 ID	NUMBER	FT TO WL		왕	LEL	
2MW-6		92140	DRY			0.0	
4MW-6		92141	30.50			0.0	
4MW-11D		92142	40.60			0.0	
4MW-12D		92143	31.00			0.0	
2MW-13		92144	DRY			0.0	
4MW-14D		92145	27.50			0.0	
4MW-15D		92146	29.10			0.0	
4MW-16D		92147	26.55			0.0	



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

DHRS # 44237, E44123 CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 05/25/2000

QA/QC for SAMPLE Nos: 92132, 92133, 92134, 92135, 92136, 92137, 92138, 92139, 92140, 92141, 92142, 92143, 92144, 92145, 92146, 92147,

Page 1

Precision Data

Accuracy Data

Reference Sample Data

Replicate Replicate

% Spike Reference

Analyte

LAB ID A B Range RPD % Recovery Sample ID Target Found Recovery

PERCENT LOWER

EXPLOSIVE LIMIT

METER

% LEL

% VOLUME METHANE

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

METER

% VOL



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

DHRS # 44237, E44123 CompQAP # 870167G

DATE, TIME, ANALYST REPORT

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				310			
ANALYSIS		METHOD	DATE TIME		ANALYST	MDL	
	% LEL	METER	05/23/00	1400	CSC	0	
	% VOL	METER	05/23/00	1400	CSC	0	
	STATIC WL	FIELD	05/23/00	0945	CSC	0	



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

D.E.P.

MAR 2 4 2000

Southwest District Tampa

March 22, 2000

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter I, 2000 Gas Monitoring

Dear Ms. Amram:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in February, 2000. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90018 SAMPLE ID- 2MW1 DATE SAMPLED- 03/21/00

SAMPLE MATRIX- OT TIME SAMPLED- 1310

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS RECEIVED BY- CEM TYPE SAMPLE- Pumped

Page 1 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

RESULT UNITS

DQ LIMIT

03/21/00 1500 CSC

0.0 % LEL

0

PERCENT LOWER EXPLOSIVE LIMIT METER % VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL

0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER- 90019 SAMPLE ID- 4MW1

DATE SAMPLED- 03/21/00

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

PROJECT NAME: RESREC GAS Q-I

SAMPLE MATRIX- OT TIME SAMPLED- 1300

RECEIVED BY- CEM TYPE SAMPLE- Pumped

Page 2 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

DATE: 03/22/00

RESULT UNITS

DO LIMIT

STATIC WATER LEVEL

FIELD

03/21/00 1300 CSC

20.75 FT TO WL

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

0

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90020 SAMPLE ID- 2MW2

SAMPLE MATRIX- OT

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME SAMPLED- 1125

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

RECEIVED BY- CEM TYPE SAMPLE- Pumped

Page 3 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

RESULT UNITS

DQ LIMIT

STATIC WATER LEVEL

FIELD

03/21/00 1125 CSC

25.55 FT TO WL

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

% VOLUME METHANE

0

METER

03/21/00 1500 CSC

0.0 % VOL

0



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

DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

SAMPLE NUMBER- 90021 SAMPLE ID- 4MW2

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT TIME SAMPLED- 1120 RECEIVED BY- CEM TYPE SAMPLE- Pumped

Page 4 of 16

ANALYSIS	METHOD	ANALYSIS DATE TIME BY	RESULT UNITS	DET. DQ LIMIT
STATIC WATER LEVEL PERCENT LOWER EXPLOSIVE LIMIT % VOLUME METHANE	FIELD METER METER	03/21/00 1120 CSC 03/21/00 1500 CSC 03/21/00 1500 CSC	0.0 % LEL	0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-1

DATE: 03/22/00

SAMPLE NUMBER- 90022 SAMPLE ID- 2MW4

SAMPLE MATRIX- OT

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME SAMPLED- 1040

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

RECEIVED BY- CEM TYPE SAMPLE- Pumped

Page 5 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

RESULT UNITS

DO LIMIT

0.0 % LEL

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90023 SAMPLE ID- 4MW4

SAMPLE MATRIX- OT TIME SAMPLED- 1030

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

RECEIVED BY- CEM

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Pumped

Page 6 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

RESULT UNITS

DO LIMIT

STATIC WATER LEVEL

FIELD

03/21/00 1030 CSC

27.90 FT TO WL

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

% VOLUME METHANE

METER

03/21/00 1500 CSC

0

0.0 % VOL



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90024 SAMPLE ID- 2MW5

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT TIME SAMPLED- 1000

RECEIVED BY- CEM TYPE SAMPLE- Pumped

Page 7 of 16

ANALYSIS

ANALYSIS

DET. DQ LIMIT

METHOD

DATE TIME BY RESULT UNITS

PERCENT LOWER EXPLOSIVE LIMIT METER

% VOLUME METHANE

03/21/00 1500 CSC

0.0 % LEL

METER

03/21/00 1500 CSC

0.0 % VOL

0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90025 SAMPLE ID- 4MW5

SAMPLE MATRIX- OT

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME SAMPLED- 1010 RECEIVED BY- CEM

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Pumped

Page 8 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY RESULT UNITS

DQ LIMIT

STATIC WATER LEVEL

FIELD

03/21/00 1010 CSC

25.85 FT TO WL

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

0

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL

0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

SAMPLE NUMBER- 90026 SAMPLE ID- 2MW6

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE MATRIX- OT TIME SAMPLED- 1055 RECEIVED BY- CEM TYPE SAMPLE- Pumped

Page 9 of 16

METHOD ANALYSIS

ANALYSIS DATE TIME BY

RESULT UNITS

DET. DQ LIMIT

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL

0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90027 SAMPLE ID- 4MW6

SAMPLE MATRIX- OT

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME SAMPLED- 1100 RECEIVED BY- CEM

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Pumped

Page 10 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY RESULT UNITS

DQ LIMIT

STATIC WATER LEVEL

FIELD

03/21/00 1100 CSC

28.80 FT TO WL

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

0

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I DATE: 03/22/00

SAMPLE NUMBER- 90028 SAMPLE ID- 4MW11D

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME SAMPLED- 1145 RECEIVED BY- CEM

SAMPLE MATRIX- OT

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Pumped

Page 11 of 16

% VOLUME METHANE

		ANALY	SIS				DET.
ANALYSIS	METHOD	DATE	TIME	BY	RESULT	UNITS	DQ LIMIT
STATIC WATER LEVEL PERCENT LOWER EXPLOSIVE LIMIT % VOLUME METHANE	FIELD METER METER	03/21/00 03/21/00 03/21/00	1500	CSC	0.0	FT TO WL % LEL % VOL	0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90029 SAMPLE ID- 4MW12D

SAMPLE MATRIX- OT

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME SAMPLED- 1155 RECEIVED BY- CEM

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Pumped

Page 12 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

RESULT UNITS

DQ LIMIT

STATIC WATER LEVEL

FIELD

03/21/00 1155 CSC

28.30 FT TO WL

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

0

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I DATE: 03/22/00

SAMPLE NUMBER- 90030 SAMPLE ID- 2MW13

SAMPLE MATRIX- OT

DATE SAMPLED- 03/21/00

TIME RECEIVED- 1500

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE DELIVERED BY- CHRIS CHILDRESS TIME SAMPLED- 1200 RECEIVED BY- CEM TYPE SAMPLE- Pumped

Page 13 of 16

ANALYSIS ANALYSIS METHOD

DATE TIME BY RESULT UNITS

DET. DQ LIMIT

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

0

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL

0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90031 SAMPLE ID- 4MW14D DATE SAMPLED- 03/21/00

TIME RECEIVED- 1500

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- OT TIME SAMPLED- 1210 RECEIVED BY- CEM

TYPE SAMPLE- Pumped

Page 14 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

RESULT UNITS

DQ LIMIT

FIELD

03/21/00 1210 CSC

25.95 FT TO WL

STATIC WATER LEVEL

PERCENT LOWER EXPLOSIVE LIMIT METER

03/21/00 1500 CSC

0.0 % LEL

0

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL

0



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

DHRS # 44237, E44123 CompQAP # 870167G

PROJECT NAME: RESREC GAS Q-I

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

SAMPLE NUMBER- 90032 SAMPLE ID- 4MW15D

DATE SAMPLED- 03/21/00

TIME RECEIVED- 1500

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE DELIVERED BY- CHRIS CHILDRESS SAMPLE MATRIX- OT

TIME SAMPLED- 1220 RECEIVED BY- CEM

TYPE SAMPLE- Pumped

Page 15 of 16

ANALYSIS **METHOD**

ANALYSIS DATE TIME BY

DATE: 03/22/00

RESULT UNITS

DET. DQ LIMIT

STATIC WATER LEVEL PERCENT LOWER EXPLOSIVE LIMIT METER

FIELD

03/21/00 1220 CSC 03/21/00 1500 CSC 27.60 FT TO WL 0.0 % LEL

0

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RESREC GAS Q-I

DATE: 03/22/00

SAMPLE NUMBER- 90033 SAMPLE ID- 4MW16D

SAMPLE MATRIX- OT

DATE SAMPLED- 03/21/00

DATE RECEIVED- 03/21/00 SAMPLER- C.CHILDRESS/S.BERGE

TIME SAMPLED- 1230 RECEIVED BY- CEM

TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

TYPE SAMPLE- Pumped

Page 16 of 16

ANALYSIS

DET.

ANALYSIS

METHOD

DATE TIME BY

RESULT UNITS

DQ LIMIT

25.00 FT TO WL

STATIC WATER LEVEL

FIELD

03/21/00 1230 CSC

03/21/00 1500 CSC

0.0 % LEL

PERCENT LOWER EXPLOSIVE LIMIT METER

0

% VOLUME METHANE

METER

03/21/00 1500 CSC

0.0 % VOL

0

VIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY. FL 34654 (727) 847-8902

DHRS # 44237. E44123 CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 03/22/2000

QA/QC for SAMPLE Nos: 90018, 90019, 90020, 90021, 90022, 90023, 90024, 90025, 90026, 90027, 90028, 90029, 90030, 90031, 90032, 90033.

Page 1

Precision Data

Accuracy Data Reference Sample Data

Replicate Replicate

% Spike

Reference

Analyte

LAB ID A 8 Range RPD % Recovery

Sample ID Target Found Recovery

PERCENT LOWER EXPLOSIVE LIMIT METER % LEL

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

% VOLUME METHANE

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS AMALYSIS

METER % VOL

NOV 2 4 1999



PASCO COUNTY, FLORIDA

November 22, 1999

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter IV, 1999 Gas Monitoring

Dear Ms. Amram:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in May 1998. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA PROJECT NAME: RES REC GAS

DATE: 11/19/99

(Page 1 of 2)

	SAM	PLE			DELIVERY	TO LA	B
LAB No.	DATE	TIME	SAMPLER		DATE	TIME	MATRIX
86027	11/19/99	1030	CHRIS CHII	LDRESS	11/19/99	1404	OT
86028	11/19/99	1035	CHRIS CHII	LDRESS	11/19/99	1404	OT
86029	11/19/99	1225	CHRIS CHII	LDRESS	11/19/99	1404	OT
86030	11/19/99	1235	CHRIS CHII	LDRESS	11/19/99	1404	OT
86031	11/19/99	1245	CHRIS CHII	LDRESS	11/19/99	1404	OT
86032	11/19/99	1255	CHRIS CHII	LDRESS	11/19/99	1404	OT
86033	11/19/99	1315	CHRIS CHI	LDRESS	11/19/99		OT
86034	11/19/99	1325	CHRIS CHII	LDRESS	11/19/99	1404	OT
CLIENT	L	AB	STATIC WL	% LEL	% VOL		
STATION	ID NU	MBER	FT TO WL	% LEL	% VOL		
2MW-1	8	6027	DRY	0.0	0.0		
4MW-1	8	6028	18.50	0.0	0.0		
2MW-2	8	6029	23.35	0.0	0.0		
4MW-2	8	6030	23.75	0.0	0.0		
2MW-4	8	6031	DRY	0.0	0.0		
4MW-4	8	6032	25.90	0.0	0.0		
2MW-5	8	6033	DRY	0.0	0.0		
4MW-5	8	6034	23.10	0.0	0.0		

LABORATORY DIRECTOR

Carlin E. / hulks



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

DHRS # 44237, E44123 CompQAP # 870167G

landin E. /hulhe

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 2 of 2)

PROJECT NAME: RES REC GAS DATE: 11/19/99

	S	AMPLE			DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPLER		DATE	TIME	MATRIX
86035	11/19/9	9 1205	CHRIS CHI	LDRESS	11/19/99	1404	OT
86036	11/19/9	9 1155	CHRIS CHI	LDRESS	11/19/99	1404	OT
86037	11/19/9	9 1125	CHRIS CHI	LDRESS	11/19/99	1404	OT
86038	11/19/9	9 1115	CHRIS CHI	LDRESS	11/19/99	1404	OT
86039	11/19/9	9 1105	CHRIS CHI	LDRESS	11/19/99	1404	OT
86040	11/19/9	9 1100	CHRIS CHI	LDRESS	11/19/99	1404	OT
86041	11/19/9	9 1050	CHRIS CHI	LDRESS	11/19/99	1404	OT
86042	11/19/9	9 1140	CHRIS CHI	LDRESS	11/19/99	1404	OT
CLIEN'	Г	LAB	STATIC WL	% LEL	% VOL		
STATIO	N ID	NUMBER	FT TO WL	% LEL	% VOL		
2MW-6		86035	DRY	0.0	0.0		
4MW-6		86036	26.55	0.0	0.0		
4MW-11D		86037	36.55	0.0	0.0		
4MW-12D		86038	27.15	0.0	0.0		
2MW-13		86039	21.00	0.0	0.0		
4MW-14D		86040	23.70	0.0	0.0		
4MW-15D		86041	25.20	0.0	0.0		
4MW-16D		86042	22.50	0.0	0.0		



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

DATE, TIME, ANALYST REPORT

	ANALYSIS						
ANALYSIS	METHOD	DATE	TIME	ANALYST	MDL		
	Service study bear more many tends from tends about						
% LEL	METER	11/19/99	1500	CSC	0		
% VOL	METER	11/19/99	1500	CSC	0		



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



Department of Environmental Protects
SOUTHWEST DISTRICT

August 09, 1999

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter III, 1999 Gas Monitoring

Dear Ms. Amram:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in May 1998. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 1 of 4)

PROJECT NAME: RES REC GAS

DATE: 08/06/99

		SAM	PLE		DELIV	ERY	TO LA	3
LAB No.	DATE		TIME	SAMPLER	DATE		TIME	MATRIX
82424	08/06/	99	1000	CHRIS CHILDRESS	08/06/	99	1430	OT
82425	08/06/	99	1010	CHRIS CHILDRESS	08/06/	99	1430	OT
82426	08/06/	99	1250	CHRIS CHILDRESS	08/06/	99	1430	OT
82427	08/06/	99	1300	CHRIS CHILDRESS	08/06/	99	1430	OT
82428	08/06/	99	1215	CHRIS CHILDRESS	08/06/	99	1430	OT
82429	08/06/	99	1230	CHRIS CHILDRESS	08/06/	99	1430	OT
82430	08/06/	99	1025	CHRIS CHILDRESS	08/06/	99	1430	OT
82431	08/06/	99	1035	CHRIS CHILDRESS	08/06/	99	1430	OT
CLIEN	T	L	AB	STATIC WATE	ER LEVEL PERC	ENT		EXPLOSIVE LIMIT
STATIO	N ID	NUI	MBER	FT TO	WL		%	LEL
2MW-1		8	2424	18.0	00			0.0
4MW-1		8:	2425	18.2	26			0.0
2MW-2		8	2426	23.1	2			0.0
4MW-2		8	2427	23.4	4			0.0
2MW-4		8	2428	DF	RY			0.0
4MW-4		8	2429	25.4	2			0.0
2MW-5		8	2430	DF	RY			0.0
4MW-5		8	2431	22.9	00			0.0

LABORATORY DIRECTOR Lia E. Mulla



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

82429

82430

82431

(Page 2 of 4)

4MW-4

2MW-5

4MW-5

PROJECT NAME: RES REC GAS

DATE: 08/06/99

	SA	MPLE		DELIVERY	TO LA	В	
LAB No.	DATE	TIME	SAMPLER	DATE	TIME	MATRIX	
82424	08/06/99	1000	CHRIS CHILDRESS	08/06/99	1430	OT	
82425	08/06/99		CHRIS CHILDRESS	08/06/99	1430	OT	
82426	08/06/99	1250	CHRIS CHILDRESS	08/06/99	1430	OT	
82427	08/06/99	1300	CHRIS CHILDRESS	08/06/99	1430	OT	
82428	08/06/99	1215	CHRIS CHILDRESS	08/06/99	1430	OT	
82429	08/06/99	1230	CHRIS CHILDRESS	08/06/99	1430	OT	
82430	08/06/99	1025	CHRIS CHILDRESS	08/06/99	1430	OT	
82431	08/06/99	1035	CHRIS CHILDRESS	08/06/99	1430	OT	
CLIEN	Т	LAB	% VOLUME METHANE				
STATIO	N ID N	UMBER	% VOL				
2MW-1		82424	0.0				
4MW-1		82425	0.0				
2MW-2		82426	0.0				
4MW-2		82427	0.0				
2MW-4		82428	0.0				

0.0

0.0

0.0



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

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

(Page 3 of 4)

PROJECT NAME: RES REC GAS

DATE: 08/06/99

		SAM	PLE		DELIVERY	TO LAI	3
LAB No.	DATI	3	TIME	SAMPLER	DATE	TIME	MATRIX
82432	08/06	/99	1235	CHRIS CHILDRESS	08/06/99	1430	OT
82433	08/06	/99	1225	CHRIS CHILDRESS	08/06/99	1430	OT
82434	08/06,	/99	1155	CHRIS CHILDRESS	08/06/99	1430	OT
82435	08/06	/99	1145	CHRIS CHILDRESS	08/06/99	1430	OT
82436	08/06,	/99	1135	CHRIS CHILDRESS	08/06/99	1430	OT
82437	08/06,	/99	1125	CHRIS CHILDRESS	08/06/99	1430	OT
82438	08/06,	/99	1115	CHRIS CHILDRESS	08/06/99	1430	OT
82439	08/06,	199	1200	CHRIS CHILDRESS	08/06/99	1430	OT
CLIEN	\mathbf{T}	L	AB	STATIC WATER LEVEL	PERCENT		EXPLOSIVE LIMIT
STATIO	N ID	NU	MBER	FT TO WL		%	LEL
2MW-6		8	2432	DRY			0.0
4MW-6		8	2433	25.90			0.0
4MW-11D		8	2434	36.02			0.0
4MW-12D		8	2435	26.68			0.0
2MW-13		8	2436	21.02			0.0
4MW-14D		8	2437	23.30			0.0
4MW-15D		8	2438	24.80			0.0
4MW-16D		8	2439	21.90			0.0



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA

PROJECT NAME: RES REC GAS

DATE: 08/06/99

(Page 4 of 4)

	SAM	PLE		DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPLER	DATE	TIME	MATRIX
82432	08/06/99	1235	CHRIS CHILDRESS	08/06/99	1430	OT
82433	08/06/99	1225	CHRIS CHILDRESS	08/06/99	1430	OT
82434	08/06/99	1155	CHRIS CHILDRESS	08/06/99	1430	OT
82435	08/06/99	1145	CHRIS CHILDRESS	08/06/99	1430	OT
82436	08/06/99	1135	CHRIS CHILDRESS	08/06/99	1430	OT
82437	08/06/99	1125	CHRIS CHILDRESS	08/06/99	1430	OT
82438	08/06/99	1115	CHRIS CHILDRESS	08/06/99	1430	OT
82439	08/06/99	1200	CHRIS CHILDRESS	08/06/99	1430	OT

CLIENT STATION	LAB ID NUMBER	% VOLUME METHANE % VOL
2MW-6	82432	0.0
4MW-6	82433	0.0
4MW-11D	82434	0.0
4MW-12D	82435	0.0
2MW-13	82436	0.0
4MW-14D	82437	0.0
4MW-15D	82438	0.0
4MW-16D	82439	0.0



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

June 15, 1999

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill Quarter II 1999 Gas Monitoring

Dear Ms. Amram:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in May 1998. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director

Vincent Mannella, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

(Page 1 of 2)

PROJECT NAME: RES REC GAS DATE: 06/14/99

SAMPLE					DEL I VERY		В
LAB No.	DATE	TIME	SAMPL	ER.	DATE	TIME	MATRIX
80399	06/11/99	1120	CHRIS C	HILDRESS	06/11/99	1400	OT
80400	06/11/99	1125	CHRIS C	HILDRESS	06/11/99	1400	OT
80401	06/11/99	9 1215	CHRIS C	HILDRESS	06/11/99	1400	OT
80402	06/11/99	1220	CHRIS C	HILDRESS	06/11/99	1400	OT
80403	06/11/99	1245	CHRIS C	HILDRESS	06/11/99	1400	OT
80404	06/11/99	1250	CHRIS C	HILDRESS	06/11/99	1400	OT
80405	06/11/99	9 1310	CHRIS C	HILDRESS	06/11/99	1400	OT
80406	06/11/99	1315	CHRIS C	HILDRESS	06/11/99	1400	OT
OI 11310	n	7.00		07 7 707	ar mar		
CLIENT		CONTRACTOR CONTRACTOR CONTRACTOR	STATIC WL	40000 A 10000	% VOL		
STATION	A ID V	NUMBER	FT TO WL	% LEL	% VOL		
4MW-1		80399	18.26	0.0	0.0		
2MW-1		80400	18.08	0.0	0.0		
4MW-2		80401	23.00	0.0	0.0		
2MW-2		80402	22.70	0.0	0.0		
4MW-4		80403	24.78	0.0	0.0		
2MW-4		80404	N.R.	0.0	0.0		
4MW-5		80405	22.30	0.0	0.0		
2MW-5		80406	N.R.	0.0	0.0		

NOTE: N. R. = ANALYSIS NOT REQUIRED



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (727) 847-8902 DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

(Page 2 of 2)

PROJECT NAME: RES REC GAS

DATE: 06/14/99

SAMPLE					DELIVERY	TO LA	B
LAB No.	DATE	TIME	SAMPLE	CR.	DATE	TIME	MATRIX
80407	06/11/99	1230	CHRIS CH	IILDRESS	06/11/99	1400	OT
80408	06/11/99	1235	CHRIS CH	IILDRESS	06/11/99	1400	OT
80409	06/11/99	1200	CHRIS CH	IILDRESS	06/11/99	1400	OT
80410	06/11/99	1155	CHRIS CH	IILDRESS	06/11/99	1400	OT
80411	06/11/99	1150	CHRIS CH	IILDRESS	06/11/99	1400	OT
80412	06/11/99	1145	CHRIS CH	ILDRESS	06/11/99	1400	OT
80413	06/11/99	1140	CHRIS CH	IILDRESS	06/11/99	1400	OT
80414	06/11/99	1135	CHRIS CH	ILDRESS	06/11/99	1400	OT
CLIEN	Γ	LAB S	STATIC WL	% LEL	% VOL		
STATION	ID N	IUMBER	FT TO WL	% LEL	% VOL		
4MW-6		80407	25.30	0.0	0.0		
2MW-6		80408	N.R.	0.0	0.0		
4MW-11D		80409	35.60	0.0	0.0		
4MW-12D		80410	26.28	0.0	0.0		
2MW-13		80411	21.00	0.0	0.0		
4MW-14D		80412	22.86	0.0	0.0		
4MW-15D		80413	24.50	0.0	0.0		
4MW-16D		80414	21.58	0.0	0.0		

NOTE: N. R. = ANALYSIS NOT REQUIRED

ENVIRONMENTAL PROTECTION

SOUTHWEST DISTRICT



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902
FFB 0 1999

Southwest District Tampa

January 28, 1999

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl 33619

RE: Hays Road Class I Landfill

Quarter I 1999 Gas Monitoring

Dear Ms. Amram:

Enclosed please find the results of gas monitoring conducted at the Hays Road Class I Landfill as required in the permit for this facility. All the groundwater monitoring wells monitored were at 0 % LEL. Also included on the report are water levels in Feet MSL.

The gas monitoring was conducted using a Neotronics Digiflam 2000 Gas Meter. The instrument was factory calibrated in May 1998. Calibration of the instrument was also conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. Since there are no discrete gas monitoring wells at this site, the readings for % LEL were taken in the groundwater monitoring wells. The instrument was allowed to run until a stable reading was obtained.

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

Sincerely,

Candia E. Mulhern Laboratory Manager

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (813) 847-8902

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD SPRING HILL, FL 34610-

Attn: VINCENT MANNELLA

(Page 1 of 2)

DATE: 01/27/99

	S	AMPLE			DELIVERY	TO LA	В
LAB No.	DATE	TIME	SAMPLE	3	DATE	TIME	MATRIX
75367	01/25/9	9 1100	CHRIS CHI	ILDRESS	01/25/99	1500	OT
75368	01/25/9	9 1105	CHRIS CHI	LDRESS	01/25/99	1500	OT
75369	01/25/9	9 1120	CHRIS CH	ILDRESS	01/25/99	1500	OT
75370	01/25/9	9 1125	CHRIS CHI	LDRESS	01/25/99	1500	OT
75371	01/25/9	9 1215	CHRIS CH	ILDRESS	01/25/99	1500	OT
75372	01/25/9	9 1200	CHRIS CH	LDRESS	01/25/99	1500	OT
75373	01/25/9	9 1225	CHRIS CH	ILDRESS	01/25/99	1500	OT
75374	01/25/9	9 1215	CHRIS CHI	LDRESS	01/25/99	1500	OT
CLIEN'	Γ	LAB	STATIC WL	% LEL	% VOL		
STATIO	N ID	NUMBER	FT TO WL	% LEL	% VOL		
4MW-1		75367	14.44	0.0	0.0		
2MW-1		75368	14.34	0.0	0.0		
4MW-2		75369	18.56	0.0	0.0		
2MW-2		75370	18.46	0.0	0.0		
4MW-4		75371	20.30	0.0	0.0		
2MW-4		75372	DRY	0.0	0.0		
4MW-5		75373	17.86	0.0	0.0		
2MW-5		75374	DRY	0.0	0.0		

LABORATORY DIRECTOR Comments of the State of



ENVIRONMENTAL LABORATORY 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654 (813) 847-8902

DHRS # 44237, E44123 CompQAP # 870167G

REPORT OF ANALYSES

RESOURCE RECOVERY 14230 HAYS ROAD

SPRING HILL, FL 34610-Attn: VINCENT MANNELLA DATE: 01/27/99

(Page 2 of 2)

		SAMPLE			DELIVERY	TO LA	ΔB
LAB No.	DATE	E TIME	SAMPLER	₹	DATE	TIME	MATRIX
75375	01/25/	/99 1135	CHRIS CHI	LDRESS	01/25/99	1500	OT
75376	01/25/	99 1140	CHRIS CHI	LDRESS	01/25/99	1500	OT
CLIEN	T	LAB	STATIC WL	% LEL	% VOL		
STATIO	N ID	NUMBER	FT TO WL	% LEL	% VOL		
4MW-6		75375	20.70	0.0	0.0		
2MW-6		75376	20.26	0.0	0.0		

LABORATORY DIRECTOR Laboratory Director