

"Bringing Opportunities Home"

Pasco County Utilities Environmental Laboratory 8864 Government Dr. New Port Richey, Fl 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

EMAIL: cmulhern@pascocountyfl.net

April 13, 2016

Mr. John Morris Waste Management Section Florida Department of Environmental Protection 13051 N. Telecom Pkwy. Temple Terrace, FL 33637

RE: Pasco County Resource Recovery WACS ID 45799 Quarter II, 2016 Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at Pasco County Resource Recovery as required in the permit for this facility. The gas monitoring was conducted using a CES Landtec 5000 Gas Meter. Calibration of the instrument was conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. The meter was allowed to run for three minutes and the highest reading obtained was recorded. All wells recorded 0.00% LEL at this site.

This completes the Quarter II, 2016 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern Laboratory Manager

ENC.

cc: Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director John Power, Solid Waste Facility Manager



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Pasco County Utilities Environmental Laboratory Report

8864 Government Drive New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112 Contacts: Gloria Krueger, Senior Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: AC37485

Sample Method: I

Pumped

Date Sampled:

4/11/2016

Time Sampled: Sampled By:

14:10 WMM Sample ID:

e ID: 2MW1 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	14:10	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	14:10	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	14:10	WMM	DRY	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Director

This Document Meets All the Requirements of the 2003 NELAC Standards

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NELAC Certification: E44123

EPA Lab Code: FL00137

Page 1 of 22



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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample ID: 4MW1 @ RESREC

Chris Childress, QA/QC Officer

Sample Method:

Sample Number: AC37486

Pumped

Sample Matrix: GAS

Date Sampled:

4/11/2016

Date Received: 4/11/2016

Time Sampled:

Sampled By:

14:15

Time Received: 14:30

Received By: FC

WMM

Delivered By: WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	14:15	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	14:15	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	14:15	WMM	15.21	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery Class I Landfill

Havs Road Shady Hills, FI John Power

Sample Number:

AC37487

Sample ID:

2MW2 @ RESREC

Sample Method:

Pumped

Sample Matrix: GAS

Date Sampled:

4/11/2016

Date Received: 4/11/2016

Time Received: 14:30

Time Sampled: Sampled By:

12:20 Received By:

WMM

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	12:20	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	12:20	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	12:20	WMM	21.68	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI

John Power

Sample Number: AC37488

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled: Sampled By:

12:30

WMM

Sample ID:

Sample Matrix: GAS

4MW2 @ RESREC

Date Received: 4/11/2016

Time Received: 14:30

Received By:

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	12:30	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	12:30	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	12:30	WMM	21.90	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

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Chris Childress, OA/OC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI

John Power

Sample Number: AC37489

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled:

Sampled By:

11:15

WMM

Sample ID:

2MW4 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	11:15	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	11:15	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	11:15	WMM	23.61	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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Page 5 of 22 EPA Lab Code: FL00137



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Chris Childress, OA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, Fl John Power

Sample Number: AC37490

Sample ID:

4MW4 @ RESREC

Sample Method:

Pumped

Sample Matrix: GAS

4/11/2016

11:25

Date Sampled:

Date Received: 4/11/2016

Time Sampled:

Time Received: 14:30

Received By:

FC

Sampled By:

WMM Delivered By:

WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	11:25	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	11:25	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	11:25	WMM	23.61	D	Feet	0

Analysis Comments:

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Page 6 of 22



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Chris Childress, OA/OC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: AC37491

Sample ID:

2MW5 @ RESREC

Sample Method:

Pumped

Sample Matrix: GAS

Date Sampled:

4/11/2016

10:05

WMM

Date Received: 4/11/2016

Time Received: 14:30

Time Sampled:

Received By:

FC

Sampled By:

Delivered By:

WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	10:05	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	10:05	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	10:05	WMM	DRY	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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Page 7 of 22 EPA Lab Code: FL00137



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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: AC37492

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled:

Sampled By:

10:00

WMM

Sample ID:

4MW5 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	10:00	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	10:00	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	10:00	WMM	DRY	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: AC37493

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled: Sampled By:

12:00

WMM

Sample ID:

2MW6 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	12:00	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	12:00	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	12:00	WMM	DRY	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

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EPA Lab Code: FL00137

MCL=Maximum Contaminant Level

Page 9 of 22



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

Sample Number: AC37494

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled:

REPORT OF ANALYSES

12:10

Sampled By:

WMM

Sample ID:

4MW6 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

FC

Received By: Delivered By:

WMM These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	12:10	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	12:10	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	12:10	WMM	24.25	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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Page 10 of 22



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

West Pasco

Class III Landfill

Havs Road

Shady Hills, Fl

John Power

Sample Number: AC37495

Sample ID:

2MW7 @ CLASS III

Sample Method:

Pumped

Sample Matrix: GAS

Date Sampled:

4/11/2016

Date Received: 4/11/2016

13:40

Time Received: 14:30

Time Sampled:

REPORT OF ANALYSES

Received By:

WMM

Sampled By:

WMM

Delivered By:

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	13:40	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	13:40	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	13:40	WMM	DRY	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

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Candia E. Thu

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Page 11 of 22



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Chris Childress, OA/OC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

West Pasco Class III Landfill

Havs Road Shady Hills, FI John Power

Sample Number: AC37496

Sample Method:

Pumped

Date Sampled:

4/11/2016

Time Sampled: Sampled By:

13:30 **WMM** Sample ID:

2MW8 @ CLASS III

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30 Received By: FC

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	13:30	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	13:30	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	13:30	WMM	DRY	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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Page 12 of 22



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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery

Class III Landfill

Havs Road Shady Hills, FI

John Power

Sample Number: AC37497

Sample ID:

2MW10 @ CLASS III

Sample Method:

Pumped

Sample Matrix: GAS

Date Received: 4/11/2016

Date Sampled:

4/11/2016

Time Received: 14:30

Time Sampled: Sampled By:

13:20 **WMM**

Received By: FC

Delivered By:

WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	13:20	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	13:20	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	13:20	WMM	DRY	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

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Page 13 of 22



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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery

Class I Landfill

Havs Road Shady Hills, Fl

John Power

Sample Number: AC37498

AC31430

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled:

12:40 WMM

Sampled By:

Sample ID:

4MW11D @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	12:40	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	12:40	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	12:40	WMM	34.10	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road

Shady Hills, Fl John Power

Sample Number:

ber: AC37499

Pumped

4/11/20

Date Sampled: Time Sampled:

Sample Method:

4/11/2016

Sampled By:

12:45 WMM Sample ID:

4MW12D @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	12:45	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	12:45	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	12:45	WMM	25.05	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Director

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NELAC Certification: E44123

Page 15 of 22



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Pasco County Utilities Environmental Laboratory Report

8864 Government Drive New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112 Contacts: Gloria Krueger, Senior Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road Shady Hills, FI

John Power

Sample Number: AC37500

Pumped

Date Sampled:

4/11/2016

Time Sampled: Sampled By:

Sample Method:

12:50

WMM

Sample ID:

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30 Received By:

FC

2MW13 @ RESREC

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	12:50	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	12:50	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	12:50	WMM	DRY	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Director

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Page 16 of 22



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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery Class I Landfill

Havs Road Shady Hills, FI John Power

Sample Number: AC37501 Sample ID: 4MW13D @ RESREC

Sample Matrix: GAS Sample Method: Pumped

Date Received: 4/11/2016 Date Sampled: 4/11/2016

Time Received: 14:30 Time Sampled: 13:00 Received By: FC Sampled By: **WMM**

Delivered By: WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	13:00	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	13:00	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	13:00	WMM	24.56	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

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Candia E. Mulhern, Laboratory Director

EPA Lab Code: FL00137

MCL=Maximum Contaminant Level



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

Sample Number: AC37502

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled:

Sampled By:

13:10

WMM

Sample ID:

4MW14D @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	13:10	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	13:10	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	13:10	WMM	21.66	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

Sample Number:

AC37503

Sample ID:

2MW15 @ RESREC

Sample Method:

Pumped

Sample Matrix: GAS

Date Sampled:

4/11/2016

14:00

Date Received: 4/11/2016

Time Sampled:

Time Received: 14:30 Received By:

FC

Sampled By:

WMM Delivered By:

WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	14:00	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	14:00	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	14:00	WMM	21.59	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Page 19 of 22



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Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road

Shady Hills, FI John Power

Sample Number: AC37504

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled:

REPORT OF ANALYSES

11:00 WMM

Sampled By:

Sample ID:

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC Delivered By: **WMM**

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

2MW17S @ RESREC

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	11:00	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	11:00	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	11:00	WMM	26.19	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Resource Recovery Class I Landfill

Havs Road Shady Hills, FI John Power

Sample Number: AC37505 Sample Method:

Pumped

Date Sampled:

4/11/2016

Time Sampled: Sampled By:

REPORT OF ANALYSES

10:45 **WMM**

Sample ID:

Sample Matrix: GAS

2MW18D @ RESREC

Date Received: 4/11/2016

Time Received: 14:30 Received By: FC

Delivered By: WMM

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	10:45	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	10:45	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	10:45	WMM	25.59	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Page 21 of 22



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

Sample Number: AC37506

Sample ID:

2MW19 @ RESREC

Sample Method:

Pumped

Sample Matrix: GAS

WMM

Date Sampled:

4/11/2016

Date Received: 4/11/2016

Time Sampled:

REPORT OF ANALYSES

10:30

Time Received: 14:30

Sampled By: WMM Received By: FC

Delivered By:

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	10:30	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	10:30	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	4/11/2016	10:30	WMM	24.37	D	Feet	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Page 22 of 22



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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI

John Power

Sample Number: AC37507

Sample Method:

Pumped

Date Sampled:

4/11/2016

Time Sampled: Sampled By:

10:50 **WMM** Sample ID:

GMP1 @ RESREC

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By:

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	10:50	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	10:50	WMM	0.0	D	% VOL	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Phone: (727) 847-8902 Fax: (727) 847-8112 Contacts: Gloria Krueger, Senior Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI

John Power
Sample Number:

er: AC37508

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled:

Sampled By:

11:30

WMM

Sample ID:

GMP2 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	11:30	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	11:30	WMM	0.0	D	% VOL	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Page 2 of 6

EPA Lab Code: FL00137



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI

John Power

Sample Number: AC37509

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled: Sampled By:

11:35 **WMM** Sample ID:

GMP3 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By:

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	11:35	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	11:35	WMM	0.0	D	% VOL	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Report Date: 4/12/2016

Chris Childress, QA/QC Officer

Sample ID: GMP4 @ RESREC Sample Number: AC37510

Sample Matrix: GAS Sample Method: Pumped

Date Received: 4/11/2016 Date Sampled: 4/11/2016

Time Received: 14:30 Time Sampled: 10:35 Received By: FC Sampled By: **WMM**

Delivered By: WMM

These results relate only to the sample indicated above and meet all requirements of the NELAC standards. REPORT OF ANALYSES

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	10:35	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	10:35	WMM	0.0	D	% VOL	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Page 4 of 6 EPA Lab Code: FL00137



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI

John Power

Sample Number: AC37511

Sample Method:

Pumped

Date Sampled:

4/11/2016

Time Sampled: Sampled By:

10:20 **WMM** Sample ID:

GMP5 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC

Delivered By: WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	10:20	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	10:20	WMM	0.0	D	% VOL	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550). MCL=Maximum Contaminant Level

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Candia E. Mulhern, Laboratory Director

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Page 5 of 6



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery Class I Landfill

Havs Road Shady Hills, FI John Power

Sample Number: AC37512

Pumped

Sample Method: Date Sampled:

4/11/2016

Time Sampled: Sampled By:

11:45

WMM

Sample ID:

GMP6 @ RESREC

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30 Received By: FC

Delivered By: **WMM**

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	11:45	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	11:45	WMM	0.0	D	% VOL	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Page 6 of 6



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Chris Childress, OA/OC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

West Pasco

Class III Landfill Havs Road

Shady Hills, FI John Power

Sample Number: AC37513

Pumped

Date Sampled:

4/11/2016

Time Sampled:

Sample Method:

Sampled By:

13:45 WMM Sample ID:

LF OPERATIONS OFF @ CLASS III

Sample Matrix: GAS

Date Received: 4/11/2016

Time Received: 14:30

Received By: FC Delivered By:

WMM

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	13:45	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	13:45	WMM	0.0	D	% VOL	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 4/12/2016

CLIENT/SAMPLE INFORMATION

West Pasco

Class III Landfill Havs Road

Shady Hills, FI John Power

Sample Number: AC37514 Sample Method:

Pumped

Date Sampled: 4/11/2016

Time Sampled: Sampled By:

13:50 **WMM** Sample ID:

SCALE HOUSE @ CLASS III

Sample Matrix: GAS

Date Received: 4/11/2016 Time Received: 14:30

Received By:

FC

Delivered By:

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	4/11/2016	13:50	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	4/11/2016	13:50	WMM	0.0	D	% VOL	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550). MCL=Maximum Contaminant Level

This Document Meets All the Requirements of the 2003 NELAC Standards

"Pasco County—Florida's premier county for balanced economic growth, environmental sustainability, and first class service."

NELAC Certification: E44123 EPA Lab Code: FL00137

Page 1 of 1

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