

### "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: <a href="mailto:cmulhern@pascocountyfl.net">cmulhern@pascocountyfl.net</a>

July 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 III, 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 III, 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 Jason Gorrie, JMG Eng



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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

LF OPERATIONS OFF @ CLASS III

Report Date: 7/13/2016

West Pasco

Class III Landfill Havs Road Shady Hills, FI

John Power

Sample Method:

Sample Number: AC40824

7/12/2016

Date Sampled: Time Sampled:

14:25

MB/CC

Sampled By:

Pumped

Time Received: 16:30

Received By:

Sample ID:

CEM

Sample Matrix: GAS

Date Received: 7/12/2016

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	14:25	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	14:25	MB	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

Candia E. Mulhern, Laboratory Director

This Document Meets All the Requirements of the 2003 NELAC Standards

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

West Pasco

Class III Landfill Havs Road Shady Hills, FI

John Power

Sample Number: AC40825

Pumped

7/12/2016

Date Sampled: Time Sampled:

Sample Method:

10:35

Sampled By:

MB/CC

Sample ID:

SCALE HOUSE @ CLASS III

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM

Delivered By: MB

**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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	10:35	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	10:35	MB	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.

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

Sample Number: AC40818

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled:

11:52 MB/CC

Sampled By:

Time Received: 16:30

Sample ID:

Received By:

Delivered By:

GMP1 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

CEM

MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	11:52	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	11:52	MB	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).

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**CLIENT/SAMPLE INFORMATION** 

Resource Recovery

Class I Landfill

Havs Road Shady Hills, FI

John Power

Sample Number: AC40819

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled: Sampled By:

12:02 MB/CC Sample ID:

GMP2 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	12:02	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	12:02	MB	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.

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EPA Lab Code: FL00137

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Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road Shady Hills, FI

John Power

Sample Number: AC40820

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled:

12:05

Sampled By: MB/CC Sample ID:

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM

Delivered By:

REPORT OF ANALYSES

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

GMP3 @ RESREC

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	12:05	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	12:05	MB	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.

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road

Shady Hills, FI

John Power

Sample Number:

AC40821

Pumped

7/12/2016

Date Sampled: Time Sampled:

Sample Method:

Sampled By:

12:25

MB/CC

Sample ID:

GMP4 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By:

CEM

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	12:25	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	12:25	MB	0.0	D	% VOL	0

**Analysis Comments:** 

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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: 7/13/2016

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery

Class I Landfill

Havs Road Shady Hills, FI

John Power

Sample Number: AC40822

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled: Sampled By:

12:17

MB/CC

Sample ID:

GMP5 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	12:17	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	12:17	MB	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).

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, Fl

John Power

Sample Number: AC40823

Pumped

Date Sampled:

7/12/2016

Time Sampled:

Sampled By:

Sample Method:

12:11

MB/CC

Sample ID:

GMP6 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30 Received By:

CEM MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	12:11	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	12:11	MB	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

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: AC40796

Sample Method: Pumped

Date Sampled: 7/12/2016

Time Sampled: 15:12 Sampled By:

MB/CC

Sample ID: 2MW1 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30 Received By: CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	15:12	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	15:12	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	15:12	MB	13.89	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: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number:

AC40797 Sample Method:

Pumped

15:16

Date Sampled:

7/12/2016

Time Sampled:

Sampled By: MB/CC Sample ID:

4MW1 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30 Received By:

CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	15:16	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	15:16	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	15:16	MB	13.61	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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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI John Power

Sample Number: Sample Method:

AC40798

Pumped

Date Sampled:

Sampled By:

7/12/2016

Time Sampled: MB/CC

REPORT OF ANALYSES

14:40

Sample ID:

2MW2 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30 Received By:

CEM

Delivered By:

MB 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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	14:40	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	14:40	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	14:40	MB	23.05	D	Feet	0

**Analysis Comments:** 

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

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI

John Power

Sample Number: AC40799

Pumped

Sample Method: Pu

7/40/0040

Date Sampled:

7/12/2016

Time Sampled: Sampled By:

14:45 MB/CC

40799 Sample ID:

campio ib.

4MW2 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	14:45	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	14:45	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	14:45	MB	23.35	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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**CLIENT/SAMPLE INFORMATION** 

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number:

AC40800

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled:

12:46 MB/CC

Sampled By:

Sample ID:

D: 2MW4 @ RESREC

Sample Matrix: GAS

Chris Childress, QA/QC Officer

D . D . . . - . . .

Date Received: 7/12/2016

Time Received: 16:30 Received By: CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	12:46	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	12:46	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	12:46	MB	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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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: AC40801

12:35

Sample ID:

4MW4 @ RESREC

Sample Method:

Pumped

Sample Matrix: GAS

Chris Childress, QA/QC Officer

Date Sampled:

Date Received: 7/12/2016 7/12/2016

Time Received: 16:30

Time Sampled:

Received By: MB/CC

CEM

MB

Sampled By:

Delivered By:

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

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Percent Lower Explosive Limit	METER	7/12/2016	12:35	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	12:35	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	12:35	MB	25.41	D	Feet	0

**Analysis Comments:** 

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**CLIENT/SAMPLE INFORMATION** 

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, Fl John Power

Sample Number:

AC40802

Sample ID:

2MW5 @ RESREC

Sample Method:

Pumped

Sample Matrix: GAS

Chris Childress, QA/QC Officer

Date Sampled:

7/12/2016

Date Received: 7/12/2016

Time Sampled:

11:37

Time Received: 16:30

Sampled By:

MB/CC

Received By: CEM

Delivered By:

MB

#### **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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	11:37	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	11:37	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	11:37	MB	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

Candia E. Mulh

This Document Meets All the Requirements of the 2003 NELAC Standards

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## "Bringing Opportunities Home"

### 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: 7/13/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road Shady Hills, FI

John Power

Sample Number: AC40803

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled:

Sampled By:

11:30

MB/CC

Sample ID:

4MW5 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30 Received By:

CEM

Delivered By:

MB

#### 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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	11:30	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	11:30	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	11:30	MB	22.82	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. Mulher

Candia E. Mulhern, Laboratory Director

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NELAC Certification: E44123 Page 8 of 22 EPA Lab Code: FL00137



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery

Class I Landfill Havs Road

Shady Hills, FI John Power

Sample Number: AC40804

Sample Method:

Pumped

Date Sampled:

7/12/2016

Time Sampled: 14:55 Sampled By:

REPORT OF ANALYSES

MB/CC

2MW6 @ RESREC Sample ID:

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	14:55	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	14:55	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	14:55	MB	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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Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery

Class I Landfill

Havs Road

Shady Hills, FI

John Power

Sample Number: AC40805

Sample Method: Date Sampled:

REPORT OF ANALYSES

7/12/2016

Time Sampled:

Sampled By:

14:50 MB/CC

Pumped

Date Received: 7/12/2016

Time Received: 16:30

Sample ID:

Received By: CEM

Sample Matrix: GAS

Delivered By:

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

4MW6 @ RESREC

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	14:50	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	14:50	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	14:50	MB	25.84	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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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

West Pasco Class III Landfill

Havs Road Shady Hills, FI

John Power

2MW7 @ CLASS III Sample Number: Sample ID: AC40806

Sample Matrix: GAS Sample Method: Pumped

Date Received: 7/12/2016 Date Sampled: 7/12/2016

Time Received: 16:30 Time Sampled: 10:50 Received By: CEM MB/CC Sampled By:

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	10:50	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	10:50	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	10:50	MB	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

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**CLIENT/SAMPLE INFORMATION** 

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Class III Landfill

West Pasco

Havs Road Shady Hills, FI John Power

Sample Number: AC40807

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled:

11:06

Sampled By: MB/CC Sample ID:

2MW8 @ CLASS III

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30 Received By:

CEM

Delivered By: MB

REPORT OF ANALYSES

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

Qualifier Unit Detection	n Limit
D % LEL 0	
D % VOL 0	
D Feet 0	
(	D % LEL 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).

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

2MW10 @ CLASS III

Class III Landfill Havs Road Shady Hills, FI

Resource Recovery

John Power

Sampled By:

Sample Number: AC40808

Sample Method: Pumped

Date Sampled: 7/12/2016

Time Sampled:

MB/CC

11:01 Time Received: 16:30

Received By:

Sample ID:

CEM

Delivered By: MB

Sample Matrix: GAS

Date Received: 7/12/2016

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	7/12/2016	11:01	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	11:01	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	11:01	MB	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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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery

Class I Landfill

Havs Road Shady Hills, FI

John Power

Sample Number: AC40809

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled:

13:42

Sampled By: MB/CC

Sample ID:

4MW11D @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30 Received By:

CEM

Delivered By:

MB

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	7/12/2016	13:42	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	13:42	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	13:42	MB	35.59	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).

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, Fl John Power

Sample Number: AC40810

Pumped

Date Sampled: Time Sampled:

Sample Method:

7/12/2016

Sampled By:

13:48

MB/CC

Sample ID: 4MW12D @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30 Received By: CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	13:48	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	13:48	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	13:48	MB	26.72	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

Candia Z. Mulhe

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: AC40811

Pumped

Sample Method: Date Sampled:

7/12/2016

Time Sampled:

14:00

Sampled By: MB/CC Sample ID:

2MW13 @ RESREC

Sample Matrix: GAS

Chris Childress, QA/QC Officer

Date Received: 7/12/2016

Time Received: 16:30 Received By:

CEM

Delivered By:

MB

#### **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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	14:00	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	14:00	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	14:00	MB	2195	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: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: Sample Method:

AC40812

Pumped

7/

7/12/2016

Date Sampled: Time Sampled:

REPORT OF ANALYSES

Sampled By:

13:53

MB/CC

Sample ID:

e ID: 4MW13D @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	13:53	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	13:53	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	13:53	MB	26.10	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. XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

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Candia E. Mulhern, Laboratory Director

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, Fl John Power

Sample Number: AC40813 Sample ID: 4MW14D @ RESREC

Sample Method: Pumped Sample Matrix: GAS

Date Sampled: 7/12/2016 Date Received: 7/12/2016

Time Sampled: 14:05 Time Received: 16:30

Sampled By: MB/CC Received By: CEM Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	14:05	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	14:05	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	14:05	MB	23.28	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: 7/13/2016

CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Havs Road Shady Hills, FI

John Power

Sample Method:

Sample Number: AC40814

Pumped

\_\_\_\_\_\_

ampea

Date Sampled:

7/12/2016

Time Sampled: Sampled By:

14:33 MB/CC Sample ID:

ID: 2MW15 @ RESREC

Sample Matrix: GAS

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM

Delivered By: MB

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	7/12/2016	14:33	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	14:33	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	14:33	MB	22.57	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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**CLIENT/SAMPLE INFORMATION** 

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample ID: 2MW17S @ RESREC

Sample Number: Sample Method:

AC40815 Pumped

Sample Matrix: GAS

Chris Childress, QA/QC Officer

Date Sampled:

7/12/2016

Date Received: 7/12/2016

Time Sampled:

15:05

Time Received: 16:30

Sampled By:

Received By: MB/CC Delivered By:

CEM MB

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	7/12/2016	15:05	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	15:05	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	15:05	MB	27.93	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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EPA Lab Code: FL00137



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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, Fl John Power

Sample Number: AC40816

Pumped

7/12/2016

Date Sampled: Time Sampled:

Sampled By:

Sample Method:

11:47 MB/CC Sample ID:

D: 2MW18D @ RESREC

Sample Matrix: GAS

Chris Childress, QA/QC Officer

Date Received: 7/12/2016

Time Received: 16:30 Received By: CEM

Delivered By: MB

**REPORT OF ANALYSES** 

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

Analysis	Method	Date	Time	Bv	Result	Qualifier	Unit	Detection Limit
Allalysis	Metriod	Date	Tille	Бу	Result	Qualifier	Onit	Detection Limit
Percent Lower Explosive Limit	METER	7/12/2016	11:47	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	11:47	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	11:47	MB	27.48	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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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Report Date: 7/13/2016

Resource Recovery

Class I Landfill Havs Road Shady Hills, FI John Power

Sample Number: AC40817

Sample Method: Pumped

Date Sampled:

7/12/2016

Time Sampled:

12:23

Sampled By: MB/CC

Sample ID:

le ID: 2MW19 @ RESREC

Sample Matrix: GAS

Chris Childress, QA/QC Officer

Date Received: 7/12/2016

Time Received: 16:30

Received By: CEM

Delivered By: MB

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	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	7/12/2016	12:23	MB	0	D	% LEL	0
Percent Volume Methane	METER	7/12/2016	12:23	MB	0.0	D	% VOL	0
Water Level	DEP-SOP	7/12/2016	12:23	MB	26.15	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

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

NELAC Certification: E44123

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