### Johnson, Sabrina O

From: Candia Mulhern <cmulhern@pascocountyfl.net>

**Sent:** Friday, January 4, 2019 1:52 PM

To: SWD\_Waste

**Cc:** Justin G. Grant; Justin G. Roessler

**Subject:** 45799\_201812\_Res\_Rec\_Gas\_Monitoring **Attachments:** 2018\_12\_Res\_Rec\_Gas\_Monitoring.pdf

Attached please find the results of gas monitoring at the Resource Recovery facility for QIV, 2018. If you have any questions please feel free to contact me.



### Candia E. Mulhern Laboratory Manager Utilities Environmental Lab Pasco County

P 727-847-8902 F 727-847-8112 8864 Government Dr. New Port Richey, Fl 34654

cmulhern@pascocountyfl.net

"Serving our community to create a better future."



# "Bringing Opportunities Home"

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CUSA18A7



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

Office (727) 847-8902 Fax (727) 847-8112

DHRS #E44123

January 2, 2019

Florida Department of Environmental Protection 13051 N. Telecom Pkwy. Temple Terrace, FL 33637

RE: Pasco County Resource Recovery WACS ID 45799 Quarter IV, 2018 Gas Monitoring

To Whom It May Concern:

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 until a stable reading was obtained. All wells recorded 0.00% LEL at this site.

This completes the Quarter IV, 2018 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: Justin Grant, Utilities Fiscal and Business Services Director Justin Roessler, Solid Waste Deputy Director

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8864 Government Drive New Port Richey, FL 34654

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

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Class | Landfill Shady Hills, FI

Resource Recovery

Hays Road John Power

Sample Number: AC74855

Sample Method:

Pumped

Date Sampled:

12/7/2018

**GTORREY** 

Time Sampled:

Sampled By:

7:52

Sample ID:

GMP1 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:32

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards,

**Analysis** Method **Date** Time By Result Qualifier Unit **Detection Limit** Percent Lower Explosive Limit **METER** 12/7/2018 9:05 GST 0.0 D O % LEL

**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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 1 of 29

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

D ...

Report Date: 1/2/2019

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery
Class I Landfill

Hays Road
Shady Hills, FI
John Power

Sample Num

Sample Number: AC74856

Sample Method:

Pumped 12/7/2018

**GTORREY** 

Date Sampled: Time Sampled:

7:52

Sampled By:

1.52

Sample ID:

inple ib: Gi

GMP2 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:18

Received By: Delivered By:

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

**Analysis** Method Date Time **Detection Limit** Ву Result Qualifier Unit Percent Lower Explosive Limit **METER** 12/7/2018 9:05 GST 0.0 D % LEL 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 2 of 29



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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

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

Sample Number: AC74857

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled: Sampled By:

8:05

**GTORREY** 

Sample ID:

GMP3 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:18

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

**Analysis** Method Date Time By Result Qualifier Unit **Detection Limit** Percent Lower Explosive Limit **METER** 12/7/2018 10:10 **GST** 0.0 D % LEL 0

**Analysis Comments:** 

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

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Page 3 of 29



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

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

Sample Number: AC74858

Sample Method: Pumped

12/7/2018

Date Sampled: Time Sampled:

8:05

Sampled By:

GTORREY

Sample ID:

GMP4 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:18

Received By: Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

**Analysis Detection Limit** Method Date Time Ву Result Qualifier Unit Percent Lower Explosive Limit **METER** 12/7/2018 10:10 GST 0.0 D % LEL 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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Candia E. Mulhern, Laboratory Manager

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 4 of 29



**CLIENT/SAMPLE INFORMATION** 

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Report Date: 1/2/2019

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

Sample Number: AC74859

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

**Analysis** 

8:15

**GTORREY** 

Sample ID:

GMP5 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:18

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Method

Date

Time

Ву

Result

Qualifier Unit

% LEL

**Detection Limit** 

Percent Lower Explosive Limit

METER

12/7/2018

10:10

GST 0.0

D

0

**Analysis Comments:** 

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

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State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 5 of 29

landio E. Mulher



**CLIENT/SAMPLE INFORMATION** 

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Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

Sample Number: AC74860

Sample Method: Pumped

12/7/2018

**GTORREY** 

Date Sampled: Time Sampled:

Sampled By:

8:17

Sample ID:

GMP6 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:31

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

**Analysis** Method Date Qualifier Unit Time Ву Result **Detection Limit** Percent Lower Explosive Limit **METER** 12/7/2018 10:20 **GST** 0.0 % LEL

**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 6 of 29



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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

**COVANTA OF PASCO** 14230 HAYS RD. SPRING HILL, FL 34610

Viet Ta

**Analysis** 

Sample Number: AC74861

Sample ID:

SCALE HOUSE AT RES RECOVERY

Sample Method:

12/7/2018

Sample Matrix: DW

Date Sampled:

Time Received: 13:18

Date Received: 12/7/2018

Time Sampled: Sampled By:

9:22 **GTORREY** 

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Method

**Date** 

Time

By

Candia E. Mulhern, Laboratory Manager

Result

Qualifier Unit

**Detection Limit** 

Percent Lower Explosive Limit **METER** 12/7/2018 9:22 GST 0.0 D 0 % LEL

**Analysis Comments:** 

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

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Page 7 of 29



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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Report Date: 1/2/2019

Resource Recovery

Class I Landfill Hays Road Shady Hills, Fl John Power

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Sample Number: AC74862

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

9:22

Sampled By:

GTORREY

Sample ID:

2MW1 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:20

Received By: CEM

Delivered By: GT

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	12/7/2018	9:22	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	9:22	GST	16.15	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.

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Chris Childress, OA/OC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class | Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74863

Pumped

Date Sampled:

Sampled By:

Sample Method:

12/7/2018

Time Sampled:

8:09

**GTORREY** 

Sample ID:

4MW1 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:20

Received By:

Delivered By:

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:09	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:09	GST	16.7	D	Feet	0

**Analysis Comments:** 

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

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Candia E. Mulher

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

John Power

Sample Number: AC74864

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled: Sampled By:

8:09

**GTORREY** 

Sample ID:

2MW2 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:21

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit Water Level	METER	12/7/2018	8:09	GST	0.0	D	% LEL	0
	DEP-SOP	12/7/2018	8:09	GST	20.56	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.

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Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

# Pasco County Utilities Environmental Laboratory Report

8864 Government Drive New Port Richey, FL 34654

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

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm Report Date: 1/2/2019

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74865

Sample ID:

4MW2 @ RESREC

Sample Method:

Pumped

Sample Matrix: GAS

Date Sampled:

12/7/2018

Date Received: 12/7/2018

Time Sampled:

8:54

Time Received: 13:22

Sampled By:

**GTORREY** 

Received By: Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:54	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:54	GST	20.8	D	Feet	0

**Analysis Comments:** 

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

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Candia E. Mulhern, Laboratory Manager

landio E. Mulhen

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 11 of 29



8864 Government Drive New Port Richey, FL 34654

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74866

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

9:00

**GTORREY** 

Sample ID:

2MW4 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:22

Received By:

Delivered By:

#### REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	9:00	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	9:00	GST	dry	D	Feet	0

**Analysis Comments:** 

Candia E. Mulhern, Laboratory Manager

Candia E. Mulher

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Class I Landfill Hays Road

Resource Recovery

Shady Hills, Fl John Power

Sample Number: AC74867 Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

REPORT OF ANALYSES

Sampled By:

8:58

**GTORREY** 

Sample ID:

4MW4 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:22

Received By: Delivered By:

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:58	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:58	GST	22.65	D	Feet	0

**Analysis Comments:** 

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74868

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

8:31

**GTORREY** 

Sample ID:

2MW5 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:22

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:31	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:31	GST	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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Candia E. Mulhern, Laboratory Manager

landio E. Mulher

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

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

Sample Number: AC74869

Sample Method: Pumped

12/7/2018

Date Sampled: Time Sampled:

8:36

Sampled By: GTORREY

Sample ID:

4MW5 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:23

Received By: Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:36	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:36	GST	20.15	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: 1/2/2019

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class | Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74870 Sample ID: 2MW6 @ RESREC

Sample Method: Pumped Sample Matrix: GAS

Date Sampled: 12/7/2018 Date Received: 12/7/2018 Time Sampled: Time Received: 13:23 8:39

Received By: Sampled By: **GTORREY** Delivered By:

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards. **REPORT OF ANALYSES** 

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:39	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:39	GST	dry	D	Feet	0

**Analysis Comments:** 

Candia E. Mulhern, Laboratory Manager

Carlio E. Mulher

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

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, OA/OC Officer

Hours: Mon-Fri 8am-5pm Report Date: 1/2/2019

Resource Recovery

Class I Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74871

**CLIENT/SAMPLE INFORMATION** 

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled: Sampled By:

8:39

**GTORREY** 

Sample ID:

4MW6 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:23

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Limit	METER	12/7/2018	8:39	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:39	GST	23.14	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

landio E. Mulher

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Chris Childress, OA/OC Officer

Hours: Mon-Fri 8am-5pm

Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

West Pasco Class III Landfill Hays Road Shady Hills, Fl

John Power

Sample Number: AC74872

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled: Sampled By:

8:45

**GTORREY** 

Sample ID:

2MW7 @ CLASS III

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:23

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:24	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:24	GST	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**

West Pasco Class III Landfill Hays Road

Shady Hills, FI

John Power

Sample Number: AC74873

Sample Method: Pumped Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

8:00

**GTORREY** 

Sample ID:

2MW8 @ CLASS III

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:23

Received By: Delivered By:

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	9:00	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	9:00	GST	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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MCL=Maximum Contaminant Level

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 19 of 29

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Candio E. Mulher



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Hours: Mon-Fri 8am-5pm Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class III Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74874

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled: Sampled By:

8:22

**GTORREY** 

Sample ID:

2MW10 @ CLASS III

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:24

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:58	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:58	GST	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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Candia E. Mulhern, Laboratory Manager

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 20 of 29



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Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class | Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74875

Sample Method:

**Pumped** 

Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

8:24

**GTORREY** 

Sample ID:

4MW11D @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:24

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:31	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:31	GST	33.44	D	Feet	0

**Analysis Comments:** 

Candia E. Mulhern, Laboratory Manager

Carlio E. Mulher

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State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 21 of 29



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Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74876

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

8:27

**GTORREY** 

Sample ID:

4MW12D @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:24

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	8:27	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	8:27	GST	24.36	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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MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION Resource Recovery

Class I Landfill Hays Road Shady Hills, FI John Power

Sample Number: AC74877

Sample Method: **Pumped** 

12/7/2018

Date Sampled: Time Sampled:

10:30

Sampled By:

**GTORREY** 

Sample ID:

2MW13 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:25

Received By: Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	10:30	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	10:30	GST	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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Candia E. Mulhern, Laboratory Manager

Candia E. Mulher

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**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74878

Sample Method: Pumped

Date Sampled: 12/7/2018

Time Sampled: Sampled By:

10:20 GTORREY

4878 Sample ID:

Sample ID: 4MW13D @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:25

Received By: Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	10:20	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	10:20	GST	23.9	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Candia E. Mulhern, Laboratory Manager

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 24 of 29



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**CLIENT/SAMPLE INFORMATION** 

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

Sample Number: AC74879

Sample Method:

Pumped

Date Sampled: 12/7/2018

Time Sampled: 9:50

Sampled By:

AC/48/9

**GTORREY** 

Sample ID:

4MW14D @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:25

Received By: Delivered By:

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	9:50	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	9:50	GST	20.04	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 MCL (F.A.C. 62-550).

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Candia E. Mulhern, Laboratory Manager

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 25 of 29



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**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74880

Sample Method:

Pumped

Date Sampled:

Sampled By:

12/7/2018

Time Sampled:

9:44

**GTORREY** 

Sample ID:

2MW15 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:27

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	9:44	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	9:44	GST	21.04	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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Candia E. Mulhern, Laboratory Manager

Cantio E. Mulher

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State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 26 of 29



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Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

John Power

Sample Number: AC74881

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

9:36

**GTORREY** 

Sample ID:

2MW17S @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:28

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	9:36	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	9:36	GST	25.23	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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**CLIENT/SAMPLE INFORMATION** 

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

Sample Number: AC74882

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

9:09

**GTORREY** 

Sample ID:

2MW18D @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:28

Received By: Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	9:09	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	9:09	GST	24.7	D	Feet	0

**Analysis Comments:** 

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

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Hours: Mon-Fri 8am-5pm Report Date: 1/2/2019

**CLIENT/SAMPLE INFORMATION** 

Class I Landfill Hays Road Shady Hills, FI

Resource Recovery

John Power

Sample Number: AC74883

Sample Method:

Pumped

Date Sampled:

12/7/2018

Time Sampled:

Sampled By:

9:05

**GTORREY** 

Sample ID:

2MW19 @ RESREC

Sample Matrix: GAS

Date Received: 12/7/2018

Time Received: 13:28

Received By:

Delivered By:

**REPORT OF ANALYSES** 

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	9:05	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	12/7/2018	9:05	GST	23.43	D	Feet	0

**Analysis Comments:** 

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

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

MCL=Maximum Contaminant Level

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