

## Johnson, Sabrina O

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**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  
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"Serving our community to create a better future."



## ***"Bringing Opportunities Home"***

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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

## UTILITIES ENVIRONMENTAL LABORATORY

727-847-8902 | Environmental Laboratory | 8864 Government Dr. | New Port Richey, FL 34654



## Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

### CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74855**

Sample ID: GMP1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 7:52

Time Received: 13:32

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	By	Result	Qualifier	Unit	Detection Limit
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.

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

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards



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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74856**

Sample ID: GMP2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 7:52

Time Received: 13:18

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	By	Result	Qualifier	Unit	Detection Limit
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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74857**

Sample ID: GMP3 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:05

Time Received: 13:18

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	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.

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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74858**

Sample ID: GMP4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:05

Time Received: 13:18

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	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.

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

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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74859**

Sample ID: GMP5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:15

Time Received: 13:18

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

### Analysis Comments:

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Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74860**

Sample ID: **GMP6 @ RESREC**

Sample Method: **Pumped**

Sample Matrix: **GAS**

Date Sampled: **12/7/2018**

Date Received: **12/7/2018**

Time Sampled: **8:17**

Time Received: **13:31**

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	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	10:20	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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### CLIENT/SAMPLE INFORMATION

COVANTA OF PASCO

14230 HAYS RD.

SPRING HILL, FL 34610

Viet Ta

Report Date: 1/2/2019

Sample Number: **AC74861**

Sample ID: SCALE HOUSE AT RES RECOVERY

Sample Method:

Sample Matrix: DW

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 9:22

Time Received: 13:18

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	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/7/2018	9:22	GST	0.0	D	% LEL	0

### Analysis Comments:

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

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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74862**

Sample ID: 2MW1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 9:22

Time Received: 13:20

Sampled By: GTORREY

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	By	Result	Qualifier	Unit	Detection Limit
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.

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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number: **AC74863**

Sample ID: 4MW1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:09

Time Received: 13:20

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	By	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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74864**

Sample ID: 2MW2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:09

Time Received: 13:21

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	By	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	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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

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	By	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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74866**

Sample ID: 2MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 9:00

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	By	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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74867**

Sample ID: 4MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:58

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	By	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:

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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74868**

Sample ID: 2MW5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:31

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	By	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.

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

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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74869**

Sample ID: 4MW5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:36

Time Received: 13:23

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	By	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.

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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

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: 8:39

Time Received: 13:23

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	By	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:

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

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74871**

Sample ID: 4MW6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:39

Time Received: 13:23

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	By	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	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

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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: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

### CLIENT/SAMPLE INFORMATION

West Pasco

Class III Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74872**

Sample ID: 2MW7 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:45

Time Received: 13:23

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	By	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.

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

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### CLIENT/SAMPLE INFORMATION

West Pasco

Class III Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74873**

Sample ID: 2MW8 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:00

Time Received: 13:23

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	By	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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Class III Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74874**

Sample ID: 2MW10 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:22

Time Received: 13:24

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	By	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.

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

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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74875**

Sample ID: 4MW11D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:24

Time Received: 13:24

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	By	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:

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

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74876**

Sample ID: 4MW12D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 8:27

Time Received: 13:24

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	By	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.

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

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Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74877**

Sample ID: 2MW13 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 10:30

Time Received: 13:25

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	By	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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74878**

Sample ID: 4MW13D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 10:20

Time Received: 13:25

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	By	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.

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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74879**

Sample ID: 4MW14D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 9:50

Time Received: 13:25

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	By	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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74880**

Sample ID: 2MW15 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 9:44

Time Received: 13:27

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	By	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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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74881**

Sample ID: 2MW17S @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 9:36

Time Received: 13:28

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	By	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).

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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 1/2/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC74882**

Sample ID: 2MW18D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 9:09

Time Received: 13:28

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	By	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.

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

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### CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 1/2/2019

Sample Number: **AC74883**

Sample ID: 2MW19 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 12/7/2018

Date Received: 12/7/2018

Time Sampled: 9:05

Time Received: 13:28

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	By	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.

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

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