

Johnson, Sabrina O

From: Candia Mulhern <cmulhern@pascocountyfl.net>
Sent: Monday, December 30, 2019 2:29 PM
To: SWD_Waste
Cc: John Power; Justin G. Roessler
Subject: Gas Monitoring @ Res Recovery QIV, 2019
Attachments: 2019_10_01_Res_Rec_Gas_Submittal.pdf

Attached are the results of gas monitoring conducted at the Pasco County Resource Recovery site (45799) for Quarter IV, 2019.

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."



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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

December 30, 2019

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

RE: Pasco County Resource Recovery
WACS ID 45799
Quarter IV, 2019 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. Readings recorded at the site were $\leq 0.10\%$ LEL.

This completes the Quarter IV, 2019 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: Charles Cullen, Utilities Engineering Director
John Power, Solid Waste 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

New Port Richey, FL 34654

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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: 12/30/2019

Sample Number **AC86153**

Sample Method: Pumped

Date Sampled: 10/1/2019

Time Sampled: 11:03

Sampled By:

Sample ID: LF OPERATIONS OFF @ CLASS III

Sample Matrix: GAS

Date Received: 10/1/2019

Time Received: 13:40

Received By: LAB

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	10/1/2019	11:03	GST	0.0	D	% LEL	0
Percent Volume Methane	METER	10/1/2019	11:03	GST	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 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

West Pasco Landfill

Report Date: 12/30/2019

Hays Road
Shady Hills, FL
John Power

Sample Number **AC86154**

Sample Method: Pumped

Date Sampled: 10/1/2019

Time Sampled: 11:00

Sampled By:

Sample ID: SCALE HOUSE @ CLASS III

Sample Matrix: GAS

Date Received: 10/1/2019

Time Received: 13:40

Received By: LAB

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	10/1/2019	11:00	GST	0.0	D	% LEL	0
Percent Volume Methane	METER	10/1/2019	11:00	GST	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 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: 12/30/2019

Sample Number **AC86135**

Sample ID: 2MW7 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:00

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	8:00	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:00	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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West Pasco

Class III Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 12/30/2019

Sample Number **AC86136**

Sample ID: 2MW8 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:17

Time Received: 13:40

Sampled By: GREG T.

Received By: LAB

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	10/1/2019	8:17	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:17	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: 12/30/2019

Sample Number **AC86137**

Sample ID: 2MW10 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:04

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	8:04	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:04	GST	DRY	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

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 12/30/2019

Sample Number **AC86126**

Sample ID: 4MW1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 9:20

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	9:20	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	9:20	GST	12.7	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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Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number **AC86127**

Sample ID: 2MW2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:25

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	8:27	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:27	GST	17.02	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: 12/30/2019

Sample Number **AC86128**

Sample ID: 4MW2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:23

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	8:23	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:23	GST	17.25	D	Feet	0

Analysis Comments:

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

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

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 12/30/2019

Sample Number **AC86129**

Sample ID: 2MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:50

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	8:50	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:50	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: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86130**

Sample ID: 4MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:40

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	8:40	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:40	GST	18.26	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: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number **AC86131**

Sample ID: 2MW5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 9:05

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	9:05	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	9:05	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: 12/30/2019

Sample Number **AC86132**

Sample ID: 4MW5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 9:00

Time Received: 13:40

Sampled By: GREG T.

Received By: LAB

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	10/1/2019	9:00	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	9:00	GST	15.71	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: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number **AC86133**

Sample ID: **2MW6 @ RESREC**

Sample Method: **Pumped**

Sample Matrix: **GAS**

Date Sampled: **10/1/2019**

Date Received: **10/1/2019**

Time Sampled: **8:30**

Time Received: **13:40**

Sampled By:

Received By: **LAB**

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	10/1/2019	8:30	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:30	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.

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

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Report Date: 12/30/2019

Sample Number **AC86134**

Sample ID: 4MW6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:35

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	8:35	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:35	GST	19.15	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).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number **AC86138**

Sample ID: 4MW11D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 9:50

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	9:50	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	9:50	GST	29.09	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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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86139**

Sample ID: 4MW12D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 10:00

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	10:00	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	10:00	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).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86140**

Sample ID: 2MW13 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 10:18

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	10:18	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	10:18	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).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards



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

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number **AC86141**

Sample ID: 4MW13D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 10:05

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	10:05	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	10:05	GST	19.45	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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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86142**

Sample ID: 4MW14D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 10:10

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	10:10	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	10:10	GST	16.65	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).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86143**

Sample ID: 2MW15 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 8:14

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	8:14	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	8:14	GST	16.98	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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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86144**

Sample ID: 2MW17S @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 9:30

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	9:30	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	9:30	GST	20.8	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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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86145**

Sample ID: 2MW18D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 9:40

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	9:40	GST	0.0	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	9:40	GST	30.29	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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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86146**

Sample ID: 2MW19 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 9:45

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	9:45	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	9:45	GST	19.00	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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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Report Date: 12/30/2019

Sample Number **AC86147**

Sample ID: GMP1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 10:45

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	10:45	GST	0.1	D	% LEL	0
Percent Volume Methane	METER	10/1/2019	10:45	GST	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number **AC86148**

Sample ID: GMP2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 10:50

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	10:50	GST	0.0	D	% LEL	0
Percent Volume Methane	METER	10/1/2019	10:50	GST	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Report Date: 12/30/2019

Sample Number **AC86149**

Sample ID: GMP3 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 10:32

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	10:32	GST	0.0	D	% LEL	0
Percent Volume Methane	METER	10/1/2019	10:32	GST	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 12/30/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number **AC86150**

Sample ID: GMP4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/1/2019

Time Sampled: 10:40

Time Received: 13:40

Sampled By:

Received By: LAB

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	10/1/2019	10:40	GST	0.0	D	% LEL	0
Percent Volume Methane	METER	10/1/2019	10:40	GST	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level


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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Report Date: 12/30/2019

Sample Number **AC86151**

Sample ID: **GMP5 @ RESREC**

Sample Method: **Pumped**

Sample Matrix: **GAS**

Date Sampled: **10/1/2019**

Date Received: **10/1/2019**

Time Sampled: **10:30**

Time Received: **13:40**

Sampled By:

Received By: **LAB**

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	10/1/2019	10:30	GST	0.0	D	% LEL	0
Percent Volume Methane	METER	10/1/2019	10:30	GST	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level


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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 12/30/2019

Sample Number **AC86152**

Sample ID: **GMP6 @ RESREC**

Sample Method: **Pumped**

Sample Matrix: **GAS**

Date Sampled: **10/1/2019**

Date Received: **10/1/2019**

Time Sampled: **10:35**

Time Received: **13:40**

Sampled By:

Received By: **LAB**

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	10/1/2019	10:35	GST	0.1	D	% LEL	0
Percent Volume Methane	METER	10/1/2019	10:35	GST	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 MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Report Date: 12/30/2019

Sample Number **AC86233**

Sample ID: 2MW1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 10/1/2019

Date Received: 10/2/2019

Time Sampled: 9:15

Time Received: 13:40

Sampled By: GTORREY

Received By: LAB

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	10/1/2019	9:15	GST	0.1	D	% LEL	0
Water Level	DEP-SOP	10/1/2019	9:15	GST	12.2	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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