

Johnson, Sabrina O

From: Candia Mulhern <cmulhern@pascocountyfl.net>
Sent: Wednesday, February 27, 2019 12:04 PM
To: SWD_Waste
Cc: Charles Cullen; John Power; Justin G. Roessler
Subject: 2019_QI_45799_Gas_Monitoring
Attachments: 2019_QI_45799_Gas_Monitoring.pdf

Attached are the results of gas monitoring conducted at the Pasco County Resource Recovery site, WACS ID 45799, for QI, 2019.

If you have any questions please feel free to contact me.



Candia E. Mulhern
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Utilities Environmental Lab
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"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

February 27, 2019

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

RE: Pasco County Resource Recovery
WACS ID 45799
Quarter I, 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. All wells recorded 0.00% LEL at this site.

This completes the Quarter I, 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, PI 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



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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76436**

Sample ID: 2MW1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:23

Time Received: 14:35

Sampled By: GT

Received By:

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	1/18/2019	8:23	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	8:23	GST	14.10	D	Feet	0

Analysis Comments:

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

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

XC = Reported value exceeds the 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: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number: **AC76437**

Sample ID: 4MW1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:21

Time Received: 14:35

Sampled By: GT

Received By:

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	1/18/2019	8:21	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	8:21	GST	14.39	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: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76438**

Sample ID: 2MW2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:34

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	8:34	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	8:34	GST	18.92	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: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76439**

Sample ID: 4MW2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:36

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	8:36	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	8:36	GST	19.15	D	Feet	0

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76440**

Sample ID: 2MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:50

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	8:50	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	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.

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 2/27/2019

Sample Number: **AC76441**

Sample ID: 4MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 9:41

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	9:41	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	9:41	GST	21.03	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: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number: **AC76442**

Sample ID: 2MW5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:58

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	8:58	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	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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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76443**

Sample ID: 4MW5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:55

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	8:55	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	8:55	GST	18.42	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: 2/27/2019

Sample Number: **AC76444**

Sample ID: 2MW6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:41

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	8:41	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	8:41	GST	22.23	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.

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 2/27/2019

Sample Number: **AC76445**

Sample ID: 4MW6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:44

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	8:44	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	8:44	GST	21.60	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: 2/27/2019

Sample Number: **AC76446**

Sample ID: 2MW7 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 9:17

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	9:17	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	9:17	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

West Pasco

Class III Landfill

Hays Road

Shady Hills, Fl

John Power

Report Date: 2/27/2019

Sample Number: **AC76447**

Sample ID: 2MW8 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 9:27

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	9:27	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	9:27	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: 2/27/2019

Sample Number: **AC76448**

Sample ID: 2MW10 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 9:24

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	9:24	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	9:24	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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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76449**

Sample ID: 4MW11D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 10:40

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	10:40	GST	0	D	% LEL	0
Percent Volume Methane	METER	1/18/2019	10:40	GST	0	D	% VOL	0
Water Level	DEP-SOP	1/18/2019	10:40	GST	31.66	D	Feet	0

Analysis Comments:

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

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

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

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76450**

Sample ID: 4MW12D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 10:44

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	10:44	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	10:44	GST	22.74	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: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number: **AC76451**

Sample ID: 2MW13 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 10:48

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	10:48	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	10:48	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

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76453**

Sample ID: 4MW14D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 10:54

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	10:54	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	10:54	GST	19.25	D	Feet	0

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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

This Document Meets All the Requirements of the 2016 TNI Standards



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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

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number: **AC76454**

Sample ID: 2MW15 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 8:28

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	8:28	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	8:28	GST	19.29	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

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76455**

Sample ID: 2MW17S @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 9:53

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	9:53	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	9:53	GST	23.60	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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State Laboratory ID: E44123

EPA Lab Code: FL00137



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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76456**

Sample ID: 2MW18D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 9:58

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	9:58	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	9:58	GST	23.00	D	Feet	0

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number: **AC76457**

Sample ID: 2MW19 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 10:02

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	10:02	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	10:02	GST	21.79	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, FL

John Power

Report Date: 2/27/2019

Sample Number: **AC76458**

Sample ID: GMP1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 11:17

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	11:17	GST	0	D	% LEL	0
Percent Volume Methane	METER	1/18/2019	11:17	GST	0	D	% VOL	0

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76459**

Sample ID: GMP2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 11:05

Time Received: 14:35

Sampled By: GT

Received By: GT

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	1/18/2019	11:05	GST	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

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76460**

Sample ID: GMP3 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 9:37

Time Received: 14:35

Sampled By: GT

Received By: GT

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	1/18/2019	9:37	GST	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

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number: **AC76461**

Sample ID: GMP4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 10:00

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	10:00	GST	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

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, Fl

John Power

Sample Number: **AC76462**

Sample ID: GMP5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 10:05

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	10:05	GST	0.1	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

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CLIENT/SAMPLE INFORMATION

Resource Recovery

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 2/27/2019

Sample Number: **AC76463**

Sample ID: GMP6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 9:35

Time Received: 14:35

Sampled By:

Received By:

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	1/18/2019	9:35	GST	0.1	D	% LEL	0
Percent Volume Methane	METER	1/18/2019	9:35	GST	0	D	% VOL	0

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

West Pasco

Class III Landfill

Hays Road

Shady Hills, FL

John Power

Report Date: 2/27/2019

Sample Number: **AC76464**

Sample ID: LF OPERATIONS OFF @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 11:23

Time Received: 14:35

Sampled By: GT

Received By: GT

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	1/18/2019	11:23	GST	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

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CLIENT/SAMPLE INFORMATION

West Pasco Resource Recovery

14230 HAYS RD.

SPRING HILL, FL 34610

John Power

Report Date: 2/27/2019

Sample Number: **AC76465**

Sample ID: SCALE HOUSE AT RES RECOVERY CLASS II

Sample Method:

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 11:29

Time Received: 14:35

Sampled By: GT

Received By:

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	1/18/2019	11:29	GST	0	D	% LEL	0

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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

Report Date: 2/27/2019

Class I Landfill

Hays Road

Shady Hills, FL

John Power

Sample Number: **AC76671**

Sample ID: 4MW13D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 1/18/2019

Date Received: 1/18/2019

Time Sampled: 10:50

Time Received: 14:35

Sampled By: GT

Received By: LR

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	1/18/2019	10:50	GST	0	D	% LEL	0
Water Level	DEP-SOP	1/18/2019	10:50	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).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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