

Hughes, Rhonda

From: Carissa A. Dennison <cdennison@pascocountyfl.net>
Sent: Wednesday, November 30, 2022 3:58 PM
To: SWD_Waste
Cc: Candia Mulhern; Justin G. Roessler; Adolfo A. Gonzalez
Subject: Resource Recovery (45799) Gas Monitoring - Qtr IV, 2022
Attachments: 2022_11_23_Res_Rec_Gas_Monitoring_QIV_Submittal.pdf

EXTERNAL MESSAGE

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Good Afternoon,

Attached are the results of gas monitoring conducted at the Resource Recovery site (45799) for Quarter IV, 2022. If you have any questions feel free to contact me.

Thank you,



Carissa Dennison
Assistant Laboratory Manager
Utilities Environmental Laboratory
Pasco County
P 727-847-8902
F 727-847-8112
8864 Government Drive
New Port Richey, FL 34654
cdennison@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

November 30, 2022

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

RE: Pasco County Resource Recovery
WACS ID 45799
Quarter IV, 2022 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. The meter was allowed to run until a stable reading was obtained.

This completes the Quarter IV, 2022 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: Adolfo A. González, P.E., LEED AP, Utilities Engineering 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

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33626**

Sample ID: 2MW1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 13:56

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	13:56	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	13:56	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	13:56	JS	16.77	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD33627	Sample ID:	4MW1 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	13:52	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Volume Methane	METER	11/23/2022	13:52	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	13:52	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	13:52	JS	16.94	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33628**

Sample ID: 2MW2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 10:48

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	10:48	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	10:48	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	10:48	JS	22.06	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33629**

Sample ID: 4MW2 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 10:51

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Lin	METER	11/23/2022	10:51	JS	0.0	D	% LEL	0
Percent Volume Methane	METER	11/23/2022	10:51	JS	0.0	D	% VOL	0
Water Level (Static)	DEP-SOP	11/23/2022	10:51	JS	22.32	D	Feet	0

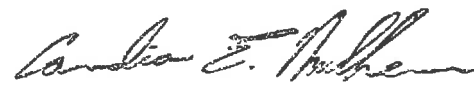
Analysis Comments

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD33630	Sample ID:	2MW4 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	13:10	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Volume Methane	METER	11/23/2022	13:10	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	13:10	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	13:10	JS	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33631**

Sample ID: 4MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 13:01

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	13:01	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	13:01	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	13:01	JS	23.86	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33632**

Sample ID: 2MW5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 13:31

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	13:31	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	13:31	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	13:31	JS	DRY	D	Feet	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD33633	Sample ID:	4MW5 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	13:34	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Volume Methane	METER	11/23/2022	13:34	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	13:34	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	13:34	JS	21.05	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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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33634**

Sample ID: 2MW6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 10:38

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	10:38	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	10:38	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	10:38	JS	24.89	D	Feet	0

Analysis Comments

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

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

XC = Reported value exceeds the 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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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33635**

Sample ID: 4MW6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 10:34

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	10:34	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	10:34	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	10:34	JS	24.45	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

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl

Report Date: 11/28/2022

Justin G. Roessler

Sample Number:	AD33636	Sample ID:	2MW7 @ CLASS III
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	09:30	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Lin	METER	11/23/2022	09:30	JS	0.0	D	% LEL	0
Percent Volume Methane	METER	11/23/2022	09:30	JS	0.0	D	% VOL	0
Water Level (Static)	DEP-SOP	11/23/2022	09:30	JS	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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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl

Report Date: 11/28/2022

Justin G. Roessler

Sample Number:	AD33637	Sample ID:	2MW8 @ CLASS III
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	09:51	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Lin	METER	11/23/2022	09:51	JS	0.0	D	% LEL	0
Percent Volume Methane	METER	11/23/2022	09:51	JS	0.0	D	% VOL	0
Water Level (Static)	DEP-SOP	11/23/2022	09:51	JS	17.81	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class III Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33638**

Sample ID: 2MW10 @ CLASS III

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 09:40

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	09:40	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	09:40	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	09:40	JS	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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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33639**

Sample ID: 4MW11D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 08:40

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	08:40	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	08:40	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	08:40	JS	34.37	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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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD33640	Sample ID:	4MW12D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	08:49	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Lin	METER	11/23/2022	08:49	JS	0.0	D	% LEL	0
Percent Volume Methane	METER	11/23/2022	08:49	JS	0.0	D	% VOL	0
Water Level (Static)	DEP-SOP	11/23/2022	08:49	JS	25.27	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

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD33641	Sample ID:	2MW13 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	09:00	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Lin	METER	11/23/2022	09:00	JS	0.0	D	% LEL	0
Percent Volume Methane	METER	11/23/2022	09:00	JS	0.0	D	% VOL	0
Water Level (Static)	DEP-SOP	11/23/2022	09:00	JS	24.69	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD33642	Sample ID:	4MW13D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	09:06	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Volume Methane	METER	11/23/2022	09:06	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	09:06	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	09:06	JS	21.05	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33643**

Sample ID: 4MW14D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 09:19

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	09:19	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	09:19	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	09:19	JS	21.87	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD33644**

Sample ID: 2MW15 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 08:32

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Lin	METER	11/23/2022	08:32	JS	0.0	D	% LEL	0
Percent Volume Methane	METER	11/23/2022	08:32	JS	0.0	D	% VOL	0
Water Level (Static)	DEP-SOP	11/23/2022	08:32	JS	21.92	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.

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

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: AD33645

Sample ID: 2MW17S @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 12:37

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	12:37	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	12:37	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	12:37	JS	26.16	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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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: AD33646

Sample ID: 2MW18D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 11:27

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	11:27	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	11:27	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	11:27	JS	25.61	D	Feet	0

Analysis Comments

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

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

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

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD33647	Sample ID:	2MW19 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	11:37	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS

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 Volume Methane	METER	11/23/2022	11:37	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	11:37	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	11/23/2022	11:37	JS	24.37	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD33648**

Sample ID: GMP1 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 11:16

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	11:16	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	11:16	JS	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

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD33649**
Sample Method: Pumped
Date Sampled: 11/23/2022
Time Sampled: 11:11
Sampled By: J. STURM

Sample ID: GMP2 @ RESREC
Sample Matrix: GAS
Date Received: 11/23/2022
Time Received: 15:07
Received By: GT
Delivered By: JS

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 Lin	METER	11/23/2022	11:11	JS	0.0	D	% LEL	0
Percent Volume Methane	METER	11/23/2022	11:11	JS	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

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State Laboratory ID: E44123

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: AD33650

Sample ID: GMP3 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 11:00

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	11:00	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	11:00	JS	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

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 11/28/2022

Justin Roessler

Sample Number:	AD33651	Sample ID:	GMP4 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	11/23/2022	Date Received:	11/23/2022
Time Sampled:	11:32	Time Received:	15:07
Sampled By:	J. STURM	Received By:	GT
		Delivered By:	JS


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 Volume Methane	METER	11/23/2022	11:32	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	11:32	JS	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

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD33652**

Sample ID: GMP5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 11:43

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Volume Methane	METER	11/23/2022	11:43	JS	0.0	D	% VOL	0
Percent Lower Explosive Lin	METER	11/23/2022	11:43	JS	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

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 11/28/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD33653**

Sample ID: GMP6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 11/23/2022

Date Received: 11/23/2022

Time Sampled: 12:00

Time Received: 15:07

Sampled By: J. STURM

Received By: GT

Delivered By: JS

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 Lin	METER	11/23/2022	12:00	JS	0.0	D	% LEL	0
Percent Volume Methane	METER	11/23/2022	12:00	JS	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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