

## Smith, George

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**From:** Candia Mulhern <cmulhern@pascocountyfl.net>  
**Sent:** Tuesday, June 7, 2022 10:07 AM  
**To:** SWD\_Waste  
**Cc:** Carissa A. Dennison; Justin G. Roessler; James F. Shannon  
**Subject:** Resource Recovery (45799) Gas Monitoring - Qtr II, 2022  
**Attachments:** 2022\_05\_24\_Res\_Rec\_Gas\_Monitoring\_Submittal.pdf

### EXTERNAL MESSAGE

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

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



**Candia E. Mulhern**  
Laboratory Manager  
Utilities Environmental Laboratory  
Pasco County  
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New Port Richey, FL 34654  
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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

June 7, 2022

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

RE: Pasco County Resource Recovery  
WACS ID 45799  
Quarter II, 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 II, 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: James Shannon, Acting 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

# RESOURCE RECOVERY LANDFILL GAS MONITORING - QTR II YEAR: 2022

**CALIBRATION INFORMATION: GAS METER: GEM5000 S/N: G501365 FACTORY CALIBRATED: AUG 2021 CALIB DUE: AUG 2022**

**Calibration GAS: QED GAS** Lot #4130705 Expires: 11/01/2024 Field Calibration Date: 05/24/2022

Start Calib: TV = 15% CH4 Observed Value = 15.6 Meter Calibrated: Yes Calib Time: 0720 Analyst: GT

Ending Calib: TV = 15% CH4 Observed Value = 15.4 Meter Calibrated: Yes Calib Time: 1635 Analyst:GT

## COMMENTS:

WELL ID	DATE	TIME	WLEV (ft)	% CH4	% LEL	Analyst	Lab ID #	Comments
2MW-1	5/24/2022	1210	DRY	0.0	0.0	GT	AD25743	
4MW-1	5/24/2022	1212	16.85	0.0	0.0	GT	AD25744	
2MW-2	5/24/2022	1125	22.43	0.0	0.0	GT	AD25745	
4MW-2	5/24/2022	1120	22.10	0.0	0.0	GT	AD25746	
2MW-4	5/24/2022	1116	DRY	0.0	0.0	GT	AD25747	
4MW-4	5/24/2022	1105	24.25	0.0	0.0	GT	AD25748	
2MW-5	5/24/2022	1224	DRY	0.0	0.0	GT	AD25749	
4MW-5	5/24/2022	1220	20.87	0.0	0.0	GT	AD25750	
2MW-6	5/24/2022	1130	DRY	0.0	0.0	GT	AD25751	
4MW-6	5/24/2022	1129	24.78	0.0	0.0	GT	AD25752	
2MW-7	5/24/2022	0925	DRY	0.0	0.0	GT	AD25753	
2MW-8	5/24/2022	0920	DRY	0.0	0.0	GT	AD25754	
2MW-10	5/24/2022	0933	DRY	0.0	0.0	GT	AD25755	
4MW-11D	5/24/2022	1235	33.10	0.0	0.0	GT	AD25756	
4MW-12D	5/24/2022	1241	25.41	0.0	0.0	GT	AD25757	
2MW-13	5/24/2022	1245	25.00	0.0	0.0	GT	AD25758	
4MW-13D	5/24/2022	1247	DRY	0.0	0.0	GT	AD25759	
4MW-14D	5/24/2022	1255	22.63	0.0	0.0	GT	AD25760	
2MW-15DA	5/24/2022	1010	21.43	0.0	0.0	GT	AD25761	
2MW-17S	5/24/2022	1029	26.03	0.0	0.0	GT	AD25762	
2MW-18D	5/24/2022	1040	26.23	0.0	0.0	GT	AD25763	
2MW-19D	5/24/2022	1056	24.90	0.0	0.0	GT	AD25764	
GMP-1	5/24/2022	1036		0.0	0.0	GT	AD25765	
GMP-2	5/24/2022	1051		0.0	0.0	GT	AD25766	
GMP-3	5/24/2022	1044		0.1	2.0	GT	AD25767	
GMP-4	5/24/2022	1023		0.0	0.0	GT	AD25768	
GMP-5	5/24/2022	1020		0.0	0.0	GT	AD25769	
GMP-6	5/24/2022	1014		0.0	0.0	GT	AD25780	
LF OpOFF	5/24/2022	0940		0.0	0.0	GT	AD25781	
Scalehouse	5/24/2022	0942		0.0	0.0	GT	AD25782	



## 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

### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25743**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 12:10  
Sampled By: GTORREY

Sample ID: 2MW1 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:10	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:10	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**

State Laboratory ID: E44123

EPA Lab Code: FL00137



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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25744**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 12:12  
Sampled By: GTORREY

Sample ID: 4MW1 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:12	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:12	GST	16.85	D	Feet	0

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Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25745**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 11:25  
Sampled By: GTORREY

Sample ID: 2MW2 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	11:25	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	11:25	GST	22.43	D	Feet	0

### Analysis Comments

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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25746**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 11:20  
Sampled By: GTORREY

Sample ID: 4MW2 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	11:20	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	11:20	GST	22.1	D	Feet	0

### Analysis Comments

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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25747**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 11:16  
Sampled By: GTORREY

Sample ID: 2MW4 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	11:16	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	11:16	GST	DRY	D	Feet	0

### Analysis Comments

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25748**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 11:05  
Sampled By: GTORREY

Sample ID: 4MW4 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	11:05	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	11:05	GST	24.25	D	Feet	0

### Analysis Comments

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

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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: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25749**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 12:24  
Sampled By: GTORREY

Sample ID: 2MW5 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:24	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:24	GST	DRY	D	Feet	0

### Analysis Comments

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

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25750**

Sample ID: 4MW5 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 05/24/2022

Date Received: 05/24/2022

Time Sampled: 12:20

Time Received: 15:07

Sampled By: GTORREY

Received By:

Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:20	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:20	GST	20.87	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.

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Candia E. Mulhern, Laboratory Manager

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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25751**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 11:30  
Sampled By: GTORREY

Sample ID: 2MW6 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	11:30	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	11:30	GST	DRY	D	Feet	0

### Analysis Comments

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

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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: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25752**

Sample ID: 4MW6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 05/24/2022

Date Received: 05/24/2022

Time Sampled: 11:29

Time Received: 15:07

Sampled By: GTORREY

Received By:

Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	11:29	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	11:29	GST	24.78	D	Feet	0

### Analysis Comments

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

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

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

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Candia E. Mulhern, Laboratory Manager

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

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco

Report Date: 5/25/2022

Class III Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25753**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 09:25  
Sampled By: GTORREY

Sample ID: 2MW7 @ CLASS III  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	09:25	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	09:25	GST	DRY	D	Feet	0

### Analysis Comments

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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco

Class III Landfill

Hays Road

Shady Hills, FL

Report Date: 5/25/2022

Justin G. Roessler

Sample Number: **AD25754**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 09:20  
Sampled By: GTORREY

Sample ID: 2MW8 @ CLASS III  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	09:20	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	09:20	GST	DRY	D	Feet	0

### Analysis Comments

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class III Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25755**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 09:33  
Sampled By: GTORREY

Sample ID: 2MW10 @ CLASS III  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	09:33	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	09:33	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**

State Laboratory ID: E44123

EPA Lab Code: FL00137



## 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

### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25756**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 12:35  
Sampled By: GTORREY

Sample ID: 4MW11D @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:35	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:35	GST	33.1	D	Feet	0

### Analysis Comments

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

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

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Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25757**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 12:41  
Sampled By: GTORREY

Sample ID: 4MW12D @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:41	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:41	GST	25.41	D	Feet	0

### Analysis Comments

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

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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25758**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 12:45  
Sampled By: GTORREY

Sample ID: 2MW13 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:45	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:45	GST	25.00	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.

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25759**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 12:47  
Sampled By: GTORREY

Sample ID: 4MW13D @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:47	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:47	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

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25760**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 12:55  
Sampled By: GTORREY

Sample ID: 4MW14D @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	12:55	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	12:55	GST	22.63	D	Feet	0

### Analysis Comments

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

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MCL=Maximum Contaminant Level

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25761**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:10  
Sampled By: GTORREY

Sample ID: 2MW15 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:10	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	10:10	GST	21.43	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: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25762**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:29  
Sampled By: GTORREY

Sample ID: 2MW17S @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:29	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	10:29	GST	26.03	D	Feet	0

### Analysis Comments

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

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Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD25763**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:40  
Sampled By: GTORREY

Sample ID: 2MW18D @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:40	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	10:40	GST	26.23	D	Feet	0

### Analysis Comments

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD25764**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:56  
Sampled By: GTORREY

Sample ID: 2MW19 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:56	GST	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/24/2022	10:56	GST	24.90	D	Feet	0

### Analysis Comments

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

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Candia E. Mulhern, Laboratory Manager

**This Document Meets All the Requirements of the 2016 TNI Standards**

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: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD25765**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:36  
Sampled By: GTORREY

Sample ID: GMP1 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:36	GST	0.0	D	% LEL	0

### Analysis Comments

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Chris Childress, QA/QC Officer

### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD25766**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:51  
Sampled By: GTORREY

Sample ID: GMP2 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:51	GST	0.0	D	% LEL	0

### Analysis Comments

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

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

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Candia E. Mulhern, Laboratory Manager

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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD25767**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:44  
Sampled By: GTORREY

Sample ID: GMP3 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:44	GST	0.0	D	% LEL	0

### Analysis Comments

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

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

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

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Candia E. Mulhern, Laboratory Manager

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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD25768**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:23  
Sampled By: GTORREY

Sample ID: GMP4 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:23	GST	0.0	D	% LEL	0

### Analysis Comments

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

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

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

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EPA Lab Code: FL00137





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### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD25769**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 10:20  
Sampled By: GTORREY

Sample ID: GMP5 @ RESREC  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:20	GST	0.0	D	% LEL	0

### Analysis Comments

Candia E. Mulhern, Laboratory Manager

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

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

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/25/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD25770**

Sample ID: GMP6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 05/24/2022

Date Received: 05/24/2022

Time Sampled: 10:14

Time Received: 15:07

Sampled By: GTORREY

Received By:

Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	10:14	GST	0.0	D	% LEL	0

### Analysis Comments

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

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

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

MCL=Maximum Contaminant Level

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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: 5/25/2022

Justin Roessler

Sample Number: **AD25771**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 09:40  
Sampled By: GTORREY

Sample ID: LF OPERATIONS OFF @ CLASS III  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	09:40	GST	0.0	D	% LEL	0

### Analysis Comments

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

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Chris Childress, QA/QC Officer

### CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Landfill

Report Date: 5/25/2022

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD25772**  
Sample Method: Pumped  
Date Sampled: 05/24/2022  
Time Sampled: 09:42  
Sampled By: GTORREY

Sample ID: SCALE HOUSE @ CLASS III  
Sample Matrix: GAS  
Date Received: 05/24/2022  
Time Received: 15:07  
Received By:  
Delivered By:

### REPORT OF ANALYSES

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	05/24/2022	09:42	GST	0.0	D	% LEL	0

### Analysis Comments

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

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

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

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137