

Hughes, Rhonda

From: Carissa A. Dennison <cdennison@pascocountyfl.net>
Sent: Tuesday, May 16, 2023 10:02 AM
To: SWD_Waste
Cc: Candia Mulhern; Justin G. Roessler; Adolfo A. Gonzalez
Subject: Resource Recovery (45799) Gas Monitoring - Quarter II, 2023
Attachments: 2023_05_12_Res_Rec_Gas_Monitoring_QII_Submittal.pdf

EXTERNAL MESSAGE

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

Good Morning,

Attached are the results of gas monitoring conducted at the Resource Recovery LF (45799) for Quarter II, 2023. If you have any questions feel free to contact us.

Thank you,



Carissa Dennison
Assistant Laboratory Manager
Utilities Environmental Laboratory
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8864 Government Drive
New Port Richey, FL 34654
cdennison@pascocountyfl.net

“Serving Our Community to Create a Better Future”



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Pasco County Utilities Services Branch
Environmental Laboratory
8864 Government Dr.
New Port Richey, Fl 34654

Office (727) 847-8902
Fax (727) 847-8112

DHRS #E44123

May 16, 2023

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

RE: Pasco County Resource Recovery
WACS ID 45799
Quarter II, 2023 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, 2023 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

RESOURCE RECOVERY LANDFILL GAS MONITORING - QTR II YEAR 2023

CALIBRATION INFORMATION: GAS METER: GEM5000 S/N: G501365 FACTORY CALIBRATED: JULY 2022 CALIB DUE: JULY 2023

Calibration GAS: QED GAS **Lot #**4218102 **Expires:** 06/30/2025 **Field Calibration Date:** 05/12/2023

Start Calib: TV = 15% CH4 **Observed Value =** 15% **Meter Calibrated:** Yes **Calib Time:** 0715 **Analyst:** JS

Ending Calib: TV = 15% CH4 **Observed Value =** 15% **Meter Calibrated** Yes **Calib Time:** 1515 **Analyst:** JS

COMMENTS:

WELL ID	DATE	TIME	WLEV (ft)	% CH4	% LEL	Analyst	Lab ID #	Comments
2MW-1	5/12/2023	11:45	19.64	0.0	0.0	JS	AD41117	
4MW-1	5/12/2023	11:39	19.78	0.0	0.0	JS	AD41118	
2MW-2	5/12/2023	09:39	24.91	0.0	0.0	JS	AD41119	
4MW-2	5/12/2023	09:42	25.19	0.0	0.0	JS	AD41120	
2MW-4	5/12/2023	10:45	DRY	0.0	0.0	JS	AD41121	
4MW-4	5/12/2023	10:33	26.96	0.0	0.0	JS	AD41122	
2MW-5	5/12/2023	08:49	DRY	0.0	0.0	JS	AD41123	
4MW-5	5/12/2023	08:53	24.31	0.0	0.0	JS	AD41124	
2MW-6	5/12/2023	09:50	DRY	0.0	0.0	JS	AD41125	
4MW-6	5/12/2023	09:53	27.61	0.0	0.0	JS	AD41126	
2MW-7	5/12/2023	09:02	DRY	0.0	0.0	JS	AD41127	
2MW-8	5/12/2023	09:20	17.82	0.0	0.0	JS	AD41128	
2MW-10	5/12/2023	09:13	DRY	0.0	0.0	JS	AD41129	
4MW-11D	5/12/2023	08:06	37.67	0.0	0.0	JS	AD41130	
4MW-12D	5/12/2023	08:10	28.42	0.0	0.0	JS	AD41131	
2MW-13	5/12/2023	08:14	27.89	0.0	0.0	JS	AD41132	
4MW-13D	5/12/2023	08:17	21.13	0.0	0.0	JS	AD41133	
4MW-14D	5/12/2023	08:22	24.99	0.0	0.0	JS	AD41134	
2MW-15DA	5/12/2023	07:59	24.97	0.0	0.0	JS	AD41135	
2MW-17S	5/12/2023	10:18	29.43	0.0	0.0	JS	AD41136	
2MW-18D	5/12/2023	10:59	28.94	0.0	0.0	JS	AD41137	
2MW-19D	5/12/2023	11:08	27.56	0.0	0.0	JS	AD41138	
GMP-1	5/12/2023	10:25		0.0	0.0	JS	AD41139	
GMP-2	5/12/2023	10:12		0.0	0.0	JS	AD41140	
GMP-3	5/12/2023	10:01		0.0	0.0	JS	AD41141	
GMP-4	5/12/2023	11:02		0.0	0.0	JS	AD41142	
GMP-5	5/12/2023	11:11		0.0	0.0	JS	AD41143	
GMP-6	5/12/2023	11:16		0.0	0.0	JS	AD41144	
LF OpOFF	5/12/2023	12:41		0.0	0.0	JS	AD41145	
Scalehouse	5/12/2023	12:52		0.0	0.0	JS	AD41146	



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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: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD41117	Sample ID:	2MW1 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	11:45	Time Received:	14:43
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	05/12/2023	11:45	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	11:45	JS	19.64	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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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number:	AD41118	Sample ID:	4MW1 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	11:39	Time Received:	14:43
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	05/12/2023	11:39	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	11:39	JS	19.78	D	Feet	0

Analysis Comments

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD41119	Sample ID:	2MW2 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	09:39	Time Received:	14:43
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	05/12/2023	09:39	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	09:39	JS	24.91	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
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41120	Sample ID:	4MW2 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	09:42	Time Received:	14:43
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	05/12/2023	09:42	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	09:42	JS	25.19	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
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41121	Sample ID:	2MW4 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	10:45	Time Received:	14:43
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	05/12/2023	10:45	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	10:45	JS	DRY	D	Feet	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41122	Sample ID:	4MW4 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	10:33	Time Received:	14:43
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	05/12/2023	10:33	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	10:33	JS	26.96	D	Feet	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

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41123	Sample ID:	2MW5 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	08:49	Time Received:	14:43
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	05/12/2023	08:49	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	08:49	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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Candia E. Mulhern, Laboratory Manager

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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: 5/16/2023

Justin G. Roessler

Sample Number:	AD41124	Sample ID:	4MW5 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	08:53	Time Received:	14:43
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	05/12/2023	08:53	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	08:53	JS	24.31	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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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
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41125	Sample ID:	2MW6 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	09:50	Time Received:	14:43
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	05/12/2023	09:50	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	09:50	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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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number:	AD41126	Sample ID:	4MW6 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	09:53	Time Received:	14:43
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	05/12/2023	09:53	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	09:53	JS	27.61	D	Feet	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
Class III Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41127	Sample ID:	2MW7 @ CLASS III
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	09:02	Time Received:	14:43
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	05/12/2023	09:02	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	09:02	JS	DRY	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

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41128	Sample ID:	2MW8 @ CLASS III
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	09:20	Time Received:	14:43
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	05/12/2023	09:20	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	09:20	JS	17.82	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
Class III Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41129	Sample ID:	2MW10 @ CLASS III
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	09:13	Time Received:	14:43
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	05/12/2023	09:13	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	09:13	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

This Document Meets All the Requirements of the 2016 TNI Standards



Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

New Port Richey, FL 34654

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

Contacts: Annamarie Cangialosi, Administrative Secretary
Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41130	Sample ID:	4MW11D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	08:06	Time Received:	14:43
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	05/12/2023	08:06	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	08:06	JS	37.67	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
Class I Landfill
Hays Road
Shady Hills, FL

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41131	Sample ID:	4MW12D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	08:10	Time Received:	14:43
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	05/12/2023	08:10	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	08:10	JS	28.42	D	Feet	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, FL

Report Date: 5/16/2023

Justin G. Roessler

Sample Number: **AD41132**
Sample Method: Pumped
Date Sampled: 05/12/2023
Time Sampled: 08:14
Sampled By: J. STURM

Sample ID: 2MW13 @ RESREC
Sample Matrix: GAS
Date Received: 05/12/2023
Time Received: 14:43
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	05/12/2023	08:14	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	08:14	JS	27.89	D	Feet	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41133	Sample ID:	4MW13D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	08:17	Time Received:	14:43
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	05/12/2023	08:17	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	08:17	JS	21.13	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: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD41134	Sample ID:	4MW14D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	08:22	Time Received:	14:43
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	05/12/2023	08:22	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	08:22	JS	24.99	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
Class I Landfill
Hays Road
Shady Hills, FL

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41135	Sample ID:	2MW15 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	07:59	Time Received:	14:43
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	05/12/2023	07:59	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	07:59	JS	24.97	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
Class I Landfill
Hays Road
Shady Hills, FL

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41136	Sample ID:	2MW17S @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	10:18	Time Received:	14:43
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	05/12/2023	10:18	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	10:18	JS	29.43	D	Feet	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin G. Roessler

Sample Number:	AD41137	Sample ID:	2MW18D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	10:59	Time Received:	14:43
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	05/12/2023	10:59	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	10:59	JS	28.94	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: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD41138**
Sample Method: Pumped
Date Sampled: 05/12/2023
Time Sampled: 11:08
Sampled By: J. STURM

Sample ID: 2MW19 @ RESREC
Sample Matrix: GAS
Date Received: 05/12/2023
Time Received: 14:43
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	05/12/2023	11:08	JS	0.0	D	% LEL	0
Water Level (Static)	DEP-SOP	05/12/2023	11:08	JS	27.56	D	Feet	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin Roessler

Sample Number:	AD41139	Sample ID:	GMP1 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	10:25	Time Received:	14:43
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	05/12/2023	10:25	JS	0.0	D	% LEL	0

Analysis Comments

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

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD41140**
Sample Method: Pumped
Date Sampled: 05/12/2023
Time Sampled: 10:12
Sampled By: J. STURM

Sample ID: GMP2 @ RESREC
Sample Matrix: GAS
Date Received: 05/12/2023
Time Received: 14:43
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	05/12/2023	10:12	JS	0.0	D	% LEL	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD41141**
Sample Method: Pumped
Date Sampled: 05/12/2023
Time Sampled: 10:01
Sampled By: J. STURM

Sample ID: GMP3 @ RESREC
Sample Matrix: GAS
Date Received: 05/12/2023
Time Received: 14:43
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	05/12/2023	10:01	JS	0.0	D	% LEL	0

Analysis Comments

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

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD41142**
Sample Method: Pumped
Date Sampled: 05/12/2023
Time Sampled: 11:02
Sampled By: J. STURM

Sample ID: GMP4 @ RESREC
Sample Matrix: GAS
Date Received: 05/12/2023
Time Received: 14:43
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	05/12/2023	11:02	JS	0.0	D	% LEL	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number:	AD41143	Sample ID:	GMP5 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	11:11	Time Received:	14:43
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	05/12/2023	11:11	JS	0.0	D	% LEL	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 5/16/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD41144**
Sample Method: Pumped
Date Sampled: 05/12/2023
Time Sampled: 11:16
Sampled By: J. STURM

Sample ID: GMP6 @ RESREC
Sample Matrix: GAS
Date Received: 05/12/2023
Time Received: 14:43
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	05/12/2023	11:16	JS	0.0	D	% LEL	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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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/16/2023

Justin Roessler

Sample Number:	AD41145	Sample ID:	LF OPERATIONS OFF @ CLASS III
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	12:41	Time Received:	14:43
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	05/12/2023	12:41	JS	0.0	D	% LEL	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco Landfill

Report Date: 5/16/2023

Hays Road
Shady Hills, FL

Justin Roessler

Sample Number:	AD41146	Sample ID:	SCALE HOUSE @ CLASS III
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	05/12/2023	Date Received:	05/12/2023
Time Sampled:	12:52	Time Received:	14:43
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	05/12/2023	12:52	JS	0.0	D	% LEL	0

Analysis Comments

U = Indicates that the compound was analyzed for but not detected.
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Candia E. Mulhern, Laboratory Manager

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