

Smith, George

From: Candia Mulhern <cmulhern@pascocountyfl.net>
Sent: Wednesday, September 7, 2022 3:34 PM
To: SWD_Waste
Cc: James F. Shannon; Justin G. Roessler; Carissa A. Dennison
Subject: Resource Recovery (45799) Gas Monitoring - Quarter III, 2022
Attachments: 2022_09_02_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 please find the results of gas monitoring conducted at the Resource Recovery facility (45799) for Quarter III, 2022.

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



Candia E. Mulhern
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Utilities Environmental Laboratory
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"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

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DHRS #E44123

September 7, 2022

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

RE: Pasco County Resource Recovery
WACS ID 45799
Quarter III, 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 III, 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 III 2022

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

Calibration GAS: QED GAS Lot #4130705 Expires: 11/01/2024 Field Calibration Date: 09/02/2022

Start Calib: TV = 15% CH4 Observed Value = 15% Meter Calibrated: Yes Calib Time: 07:10 Analyst: JS

Ending Calib: TV = 15% CH4 Observed Value = 15% Meter Calibrated: Yes Calib Time: 1545 Analyst: JS

COMMENTS:

WELL ID	DATE	TIME	WLEV (ft)	% CH4	% LEL	Analyst	Lab ID #	Comments
2MW-1	2-Sep	1306	26.00	0.0	0.0	JS	AD29987	
4MW-1	2-Sep	1258	17.30	0.0	0.0	JS	AD29988	
2MW-2	2-Sep	1217	23.20	0.0	0.0	JS	AD29989	
4MW-2	2-Sep	1211	24.30	0.0	0.0	JS	AD29990	
2MW-4	2-Sep	1118	DRY	0.0	0.0	JS	AD29991	
4MW-4	2-Sep	0949	25.20	0.0	0.0	JS	AD29992	
2MW-5	2-Sep	0930	DRY	0.0	0.0	JS	AD29993	
4MW-5	2-Sep	0934	22.60	0.0	0.0	JS	AD29994	
2MW-6	2-Sep	1137	DRY	0.0	0.0	JS	AD29995	
4MW-6	2-Sep	1141	25.80	0.0	0.0	JS	AD29996	
2MW-7	2-Sep	1337	DRY	0.0	0.0	JS	AD29997	
2MW-8	2-Sep	1332	17.80	0.0	0.0	JS	AD29998	
2MW-10	2-Sep	1324	DRY	0.0	0.0	JS	AD29999	
4MW-11D	2-Sep	0834	35.30	0.0	0.0	JS	AD30000	
4MW-12D	2-Sep	0840	26.40	0.0	0.0	JS	AD30001	
2MW-13	2-Sep	0852	25.90	0.0	0.0	JS	AD30002	
4MW-13D	2-Sep	0856	DRY	0.0	0.0	JS	AD30003	
4MW-14D	2-Sep	09:03	22.90	0.0	0.0	JS	AD30004	
2MW-15DA	2-Sep	0821	22.30	0.0	0.0	JS	AD30005	
2MW-17S	2-Sep	1443	27.70	0.0	0.0	JS	AD30006	Ground-level
2MW-18D	2-Sep	1038	27.20	0.0	0.0	JS	AD30007	
2MW-19D	2-Sep	1044	25.90	0.0	0.0	JS	AD30008	
GMP-1	2-Sep	1027		0.0	0.0	JS	AD30009	
GMP-2	2-Sep	0958		0.0	0.0	JS	AD30010	Marked as 2MW-17S
GMP-3	2-Sep	1003		0.0	0.0	JS	AD30011	
GMP-4	2-Sep	1041		0.0	0.0	JS	AD30012	
GMP-5	2-Sep	1058		0.0	0.0	JS	AD30013	
GMP-6	2-Sep	1020		0.0	0.0	JS	AD30014	
LF OpOFF	2-Sep	1451		0.0	0.0	JS	AD30015	
Scalehouse	2-Sep	1459		0.0	0.0	JS	AD30016	



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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco

Report Date: 9/7/2022

Class III Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD30015**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 14:51
Sampled By: J. STURM

Sample ID: LF OPERATIONS OFF @ CLASS III
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	14:51	JS	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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Hours: Mon-Fri 8am-5pm

West Pasco Landfill

Report Date: 9/7/2022

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD30016**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 14:59
Sampled By: J. STURM

Sample ID: SCALE HOUSE @ CLASS III
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
Delivered By: JS

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	09/02/2022	14:59	JS	0	D	% LEL	0

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Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD29987**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 13:06
Sampled By: J. STURM

Sample ID: 2MW1 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
Delivered By: JS

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	09/02/2022	13:06	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	13:06	JS	26.00	D	Feet	0

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EPA Lab Code: FL00137



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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD29989**

Sample Method: Pumped

Date Sampled: 09/02/2022

Time Sampled: 12:17

Sampled By: J. STURM

Sample ID: 2MW2 @ RESREC

Sample Matrix: GAS

Date Received: 09/02/2022

Time Received: 15:47

Received By:

Delivered By: JS

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	09/02/2022	12:17	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	12:17	JS	23.20	D	Feet	0

Analysis Comments

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Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD29991**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 11:18
Sampled By: J. STURM

Sample ID: 2MW4 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
Delivered By: JS

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	09/02/2022	11:18	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	11:18	JS	DRY	D	Feet	0

Analysis Comments

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Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD29993**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 09:30
Sampled By: J. STURM

Sample ID: 2MW5 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
Delivered By: JS

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	09/02/2022	09:30	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	09:30	JS	DRY	D	Feet	0

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD29995**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 11:37
Sampled By: J. STURM

Sample ID: 2MW6 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	11:37	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	11:37	JS	DRY	D	Feet	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

West Pasco
Class III Landfill
Hays Road
Shady Hills, FL

Report Date: 9/7/2022

Justin G. Roessler

Sample Number: **AD29997**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 13:37
Sampled By: J. STURM

Sample ID: 2MW7 @ CLASS III
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
Delivered By: JS

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	09/02/2022	13:37	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	13:37	JS	DRY	D	Feet	0

Analysis Comments

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Hours: Mon-Fri 8am-5pm

West Pasco

Class III Landfill

Hays Road

Shady Hills, FL

Report Date: 9/7/2022

Justin G. Roessler

Sample Number: **AD29998**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 13:32
Sampled By: J. STURM

Sample ID: 2MW8 @ CLASS III
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	13:32	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	13:32	JS	17.80	D	Feet	0

Analysis Comments

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

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EPA Lab Code: FL00137



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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 9/7/2022

Class III Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD29999**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 13:24
Sampled By: J. STURM

Sample ID: 2MW10 @ CLASS III
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	13:24	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	13:24	JS	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: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD30002**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 08:52
Sampled By: J. STURM

Sample ID: 2MW13 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	08:52	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	08:52	JS	25.90	D	Feet	0

Analysis Comments

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

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Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD30005**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 08:21
Sampled By: J. STURM

Sample ID: 2MW15 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
Delivered By: JS

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin	METER	09/02/2022	08:21	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	08:21	JS	22.30	D	Feet	0

Analysis Comments

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Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD30006**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 14:43
Sampled By: J. STURM

Sample ID: 2MW17S @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	14:43	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	14:43	JS	27.70	D	Feet	0

Analysis Comments

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Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD30007**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 10:38
Sampled By: J. STURM

Sample ID: 2MW18D @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	10:38	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	10:38	JS	27.20	D	Feet	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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

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

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

MCL=Maximum Contaminant Level

This Document Meets All the Requirements of the 2016 TNI Standards



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: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD30008**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 10:44
Sampled By: J. STURM

Sample ID: 2MW19 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	10:44	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	10:44	JS	25.90	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: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD29988**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 12:58
Sampled By: J. STURM

Sample ID: 4MW1 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	12:58	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	12:58	JS	17.30	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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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD29990**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 12:11
Sampled By: J. STURM

Sample ID: 4MW2 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	12:11	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	12:11	JS	24.30	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: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD29992**

Sample ID: 4MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 09/02/2022

Date Received: 09/02/2022

Time Sampled: 09:49

Time Received: 15:47

Sampled By: J. STURM

Received By:

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	09/02/2022	09:49	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	09:49	JS	25.20	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: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD29994**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 09:34
Sampled By: J. STURM

Sample ID: 4MW5 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	09:34	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	09:34	JS	22.60	D	Feet	0

Analysis Comments

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

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

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

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Resource Recovery

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Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD29996**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 11:41
Sampled By: J. STURM

Sample ID: 4MW6 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	11:41	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	11:41	JS	25.80	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: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD30000**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 08:34
Sampled By: J. STURM

Sample ID: 4MW11D @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	08:34	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	08:34	JS	35.30	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: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD30001**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 08:40
Sampled By: J. STURM

Sample ID: 4MW12D @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	08:40	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	08:40	JS	26.40	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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Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

Sample Number: **AD30003**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 08:56
Sampled By: J. STURM

Sample ID: 4MW13D @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	08:56	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	08:56	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

Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD30004**

Sample ID: 4MW14D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 09/02/2022

Date Received: 09/02/2022

Time Sampled: 09:03

Time Received: 15:47

Sampled By: J. STURM

Received By:

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	09/02/2022	09:03	JS	0	D	% LEL	0
Water Level (Static)	DEP-SOP	09/02/2022	09:03	JS	22.90	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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CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD30009**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 10:27
Sampled By: J. STURM

Sample ID: GMP1 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	10:27	JS	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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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD30010**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 09:58
Sampled By: J. STURM

Sample ID: GMP2 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	09:58	JS	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: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD30011**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 10:03
Sampled By: J. STURM

Sample ID: GMP3 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	10:03	JS	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.

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Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD30012**

Sample ID: GMP4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 09/02/2022

Date Received: 09/02/2022

Time Sampled: 10:41

Time Received: 15:47

Sampled By: J. STURM

Received By:

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	09/02/2022	10:41	JS	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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Resource Recovery

Report Date: 9/7/2022

Class I Landfill

Hays Road

Shady Hills, FL

Justin Roessler

Sample Number: **AD30013**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 10:58
Sampled By: J. STURM

Sample ID: GMP5 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	10:58	JS	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).

MCL=Maximum Contaminant Level

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Resource Recovery

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Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD30014**
Sample Method: Pumped
Date Sampled: 09/02/2022
Time Sampled: 10:20
Sampled By: J. STURM

Sample ID: GMP6 @ RESREC
Sample Matrix: GAS
Date Received: 09/02/2022
Time Received: 15:47
Received By:
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	09/02/2022	10:20	JS	0	D	% LEL	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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

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State Laboratory ID: E44123

EPA Lab Code: FL00137