

Smith, George

From: Tafuni, Steven
Sent: Tuesday, March 29, 2022 3:37 PM
To: SWD_Waste
Cc: McAleer, Abigail
Subject: FW: Hardee County Solid Waste Disposal Facility - WACS Facility ID No.: SWD/25/40612 - Gas Monitoring Report -2022 Quarter 1 - ERMI File No. E4272A
Attachments: E4272A Deliverable Landfill Gas Monitoring Summary.pdf

Steven Tafuni

FDEP-SWD, Government Operations Consultant,
Compliance Assurance Program
13051 N. Telecom Pkwy
Temple Terrace, FL 33637-0926
tel: 813-470-5792
E-mail: Steven.Tafuni@floridadep.gov

From: Carol Ann Cioban <cacioban@ermi.net>
Sent: Tuesday, March 29, 2022 3:15 PM
To: Tafuni, Steven <Steven.Tafuni@FloridaDEP.gov>; ofelia.reyna@hardeecounty.net
Cc: Jon Ascher <jascher@ermi.net>
Subject: Hardee County Solid Waste Disposal Facility - WACS Facility ID No.: SWD/25/40612 - Gas Monitoring Report - 2022 Quarter 1 - ERMI File No. E4272A

EXTERNAL MESSAGE

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

Good Afternoon:

Attached please find the Landfill Gas Monitoring Summary – 2022 Quarter 1 for the Hardee County Solid Waste Disposal Facility. Should you have any questions or wish to discuss our report, please feel free to contact Jon Ascher directly at 239-415-6406 or jascher@ermi.net.

Thank you for allowing us to assist you with this project.

Best regards,

Carol Ann Cioban | Project Analyst

O: 239-415-6406 | C: 239-206-7906 | cacioban@ermi.net

Environmental Risk Management, Inc.

6835 International Center Boulevard, Suite 5

Fort Myers, Florida 33912

www.ermi.net



 Please consider the environment before printing this email



Environmental Risk Management, Inc.

Licensed Engineering & Geology Firm • Assessment & Remediation Consultants

March 29, 2022

Mr. Steven Tafuni
Florida Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

and

Ms. Ofelia Reyna
Office Manager
Hardee County Landfill
412 West Orange Street
Wauchula, Florida 33873

RE: Landfill Gas Monitoring Summary – 2022 Quarter 1
Hardee County Solid Waste Disposal Facility
685 Airport Road
Wauchula, Hardee County, Florida 33873
WACS Facility ID No.: SWD/25/40612
Permit No.: 38414-016-SO
ERMI File No. E4272A

Dear Mr. Tafuni:

Environmental Risk Management, Inc. (ERMI) is pleased to present this landfill gas (methane) monitoring summary on behalf of the Hardee County Solid Waste Management Department. The survey summary documents methane readings that were collected by ERMI personnel on March 18, 2022, for the First Quarter 2022. Please refer to **Table 1** for the methane summary and **Appendix A** for field notes and calibration log.

Please feel free to contact me at (239) 415-6406 or jascher@ermi.net with any questions or to discuss the project.

Respectfully submitted,
ENVIRONMENTAL RISK MANAGEMENT, INC.

A handwritten signature in blue ink, appearing to read 'J. Ascher', is written over a light blue circular stamp.

Jonathan Ascher, MS, LEP
Senior Project Manager

Table 1
Hardee County Landfill Gas Readings

TABLE 1 : Landfill Gas Readings

Facility Name: Hardee County Solid Waste Disposal Facility

SAMPLE			
Gas Well	DATE COLLECTED	Reading (% LEL)	COMMENTS
GP-1	3/18/2022	0.0	
GP-2	3/18/2022	0.0	
GP-3	Abandoned during landfill expansion		
GP-3R	3/18/2022	0.0	Replacement Probe
GP-4	Abandoned during landfill expansion		
GP-4R	3/18/2022	0.0	Replacement Probe
GP-5	Abandoned during landfill expansion		
GP-5R	3/18/2022	0.0	Replacement Probe
GP-6	Abandoned during landfill expansion		
GP-6R	3/18/2022	0.0	Replacement Probe
GP-7	Abandoned during landfill expansion		
GP-7R	3/18/2022	0.0	Replacement Probe
GP-8	Abandoned during landfill expansion		
GP-8R	3/18/2022	0.0	Replacement Probe
GP-9	3/18/2022	0.0	
GP-10	3/18/2022	0.0	
GP-11	3/18/2022	0.0	
GP-12	3/18/2022	0.0	
GP-13	3/18/2022	0.0	

Appendix A
Field Notes and Calibration Log

Location Wauchula, FL Date 3/18/2022
 Project / Client E 4272A WACS FAC: SWD/25/
40612

Hardee county landfill

0700 Left Fort Myers office in T-2009 (2M.)

0845 Arrived on site

- check in w/ office

0900 a Begin LFG monitoring

1020 completed LFG monitoring

1030 ERM/I offsite

1215 Arrived to FM office

[Signature]

Plot in site Plan

HARDEE COUNTY LANDFILL

LFG MONITORING FORM

SAMPLER'S NAME:	Z. McQuist	PROJECT NAME:	Hardee County Landfill	
DATE: 3/15/2022		PROJECT:	LFG Monitoring	LOCATION: Wauchula
WEATHER CONDITIONS: Sunny 21°C wind 0-5 mph				
SAMPLE ID	TIME SAMPLE TAKEN	METHANE CONTENT (%LEL)	COMMENTS:	
GP-1	0926	0%		
GP-2	0937	0%		
GP-3R	0932	0%		
GP-4R	0943	0%		
GP-5R	0950	0%		
GP-6R	0954	0%		
GP-7R	0959	0%		
GP-8R	1005	0%		
GP-9	0900	0%		
GP-10	0908	0%		
GP-11	0918	0%		
GP-12	1013	0%	labeled GP-9 on sketch	
GP-13	1017	0%	labeled GP-10 on sketch	
Maintenance Bldg***				
Scalehouse***				
MRP***				
Animal Control Bldg***				

NOTES:

*** Sample locations within the buildings include any slab penetrations, enclosed spaces, or electrical conduits and as shown on the figures.



Calibrated at Geotech's Florida service center

12165 Metro Parkway #25B

Fort Myers, FL 33966

(800) 304-5325 Fax: (239) 476-8893

RKI Eagle 2 Calibration Certificate

Unit Number: 6669

Field Calibration Date: 3/17/2022 02:13 PM

Serial Number: E2H629

Technician: Andy Jimenez

- ☒ Cleaned Unit and Case
- ☒ Visually inspect for damage and missing parts
- ☒ Manual is on USB.

Battery (V)	6 V	Pass
Spare Battery (V)	6 V	Pass
Pump flow	700 ml/min	Pass

Zero

<u>Gas Zered</u>	<u>Zero</u>	<u>Reading</u>	<u>Variance</u>		<u>Zero Gas</u>	<u>Lot #</u>
LEL CH ₄	0 %	0 %	0.00%	Pass	Ambient Air	Not Applicable
CO ₂	0 %	0 %	0.00%	Pass	CO ₂ Scrubber	Not Applicable
CO	0 ppm	0 ppm	0.00%	Pass	Ambient Air	Not Applicable
H ₂ S	0 ppm	0 ppm	0.00%	Pass	Ambient Air	Not Applicable
O ₂	20.9 %	20.9 %	0.00%	Pass	Ambient Air	Not Applicable

Span

<u>Gas Spanned</u>	<u>Span</u>	<u>Reading</u>	<u>Variance</u>		<u>Calibration Gas</u>	<u>Lot #</u>	<u>Exp. Date</u>	
LEL CH ₄	50 %	50 %	0.00%	Pass	RKI 4 Gas	21-8395	12/23	Pass
CO ₂	15 %	15 %	0.00%	Pass	Gem Gas	19-6936	4/24	Pass
CO	50 ppm	50 ppm	0.00%	Pass	RKI 4 Gas	21-8395	12/23	Pass
H ₂ S	25 ppm	25 ppm	0.00%	Pass	RKI 4 Gas	21-8395	12/23	Pass
O ₂	12 %	12 %	0.00%	Pass	RKI 4 Gas	21-8395	12/23	Pass

Geotech Environmental Equipment, Inc. takes pride in ensuring this instrument is tested to function as specified by the manufacturer and was calibrated in accordance to manufacturer specifications. All calibration standards used are NIST traceable. With the provided lot numbers we can provide NIST documents on request. Call us at (800) 833-7958 and we will be glad to help.