

From: [Bayne, Bradley J](#)
To: [Tafuni, Steven](#); [SWD_Waste](#)
Cc: [Ofelia Reyna](#); [Marissa Alexander](#)
Subject: Hardee County Fourth Quarter 2020 Landfill Gas Survey_SWD/25/40612
Date: Monday, December 28, 2020 4:56:09 PM
Attachments: [SWD2540612_4th Quarter 2020 Hardee County Landfill gas readings.pdf](#)
[GEM2000122120.pdf](#)

Steve,

The Landfill Gas Survey letter is attached, which relates to the following:

WACS Facility ID No. SWD/25/40612

Permit No. 38414-016-SO

4th Quarter 2020 Landfill Gas Survey

This e-mail provides a PDF file containing the Hardee County Landfill 4th Quarter Landfill Gas Survey.

Also attached is the GEM 2000 calibration sheet. Thanks,

Brad Bayne

PG

Sr. Scientist, East Sciences

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Engineering, Design and Project Management

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December 28, 2020

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

**Re: Fourth Quarter 2020 Landfill Gas Survey Results
Hardee County Solid Waste Disposal Facility
WACS Facility ID No.: SWD/25/40612
Permit No.: 38414-016-SO**

Dear Mr. Tafuni:

On behalf of the Hardee County Solid Waste Management Department, ATKINS would like to submit the methane (landfill gas) readings at the Hardee County Landfill for the Fourth Quarter of 2020. The readings were collected by ATKINS personnel on December 22, 2020. The readings are presented on the enclosed Table 1.

If you should have any questions concerning this report, please contact me at (813) 281-8377.

Sincerely,

A handwritten signature in blue ink that reads "Bradley J. Hayne". The signature is written over a circular, faint background stamp.

Bradley J. Hayne, P.G.
Project Geologist

C: Marissa Alexander, 685 Airport Road, Wauchula, FL 33873
FILE

TABLE 1
HARDEE COUNTY LANDFILL
LANDFILL GAS READINGS
4th QUARTER 2020

Gas Well	Date	Reading (% LEL)	Note No.
GP-1	12/22/2020	0.0	-
GP-2	12/22/2020	0.0	-
GP-3	N/A	N/A	1
GP-3R	12/22/2020	0.0	2
GP-4	N/A	N/A	1
GP-4R	12/22/2020	0.0	2
GP-5	N/A	N/A	1
GP-5R	12/22/2020	0.0	2
GP-6	N/A	N/A	1
GP-6R	12/22/2020	0.0	2
GP-7	N/A	N/A	1
GP-7R	12/22/2020	0.0	2
GP-8	N/A	N/A	1
GP-8R	12/22/2020	0.0	2
GP-9	12/22/2020	0.0	-
GP-10	12/22/2020	0.0	-
GP-11	12/22/2020	0.0	-
GP-12	12/22/2020	0.0	-
GP-13	12/20/2020	0.0	-


Notes: N/A = Not Applicable

1. Gas probes abandoned due to landfill expansion.
2. Gas probes replaced due to landfill expansion.
(permit No.: 38414-016-SO)

Certificate of Calibration

LandTech



Equipment Type:	GEM2000				
Date	December 21, 2020	NOTES: <div style="border: 1px solid black; height: 100px; width: 100%;"></div>			
Serial #	GM07858				
Calibration Gas # 1	2.5% CH ₄ Vol. (50%LEL)				
Calibration Gas #2	5% CO ₂				
Calibration Gas #3					
Lot # (s)	LBH-340BS-1				
Expiration Date(s)	Nov-21				
Ambient Temperature	23°C (73.4°F)				
Instrument Reading; Ambient Air	0% CH ₄	0.1% CO ₂	20.9% O ₂		
Instrument Reading; Calibration Gas	2.5% CH ₄			5.2% CO ₂	0.1% O ₂
Calibrated By:	Nathan Peterson	Signature: 			

Peterson Environmental, Inc.
 6704 Benjamin Rd Suite 250
 Tampa, FL 33634
 Phone: 813-871-2626