

## Smith, George

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**From:** Bayne, Bradley J <Bradley.Bayne@atkinsglobal.com>  
**Sent:** Monday, July 19, 2021 4:21 PM  
**To:** Tafuni, Steven; SWD\_Waste  
**Cc:** Marissa Alexander; Ofelia Reyna  
**Subject:** Hardee County Second Quarter 2021 Landfill Gas Survey\_SWD/25/40612  
**Attachments:** SWD2540612\_2nd Quarter Hardee Co Landfill Gas Readings.pdf; GEM2000062821.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  
2nd Quarter 2021 Landfill Gas Survey

This e-mail provides a PDF file containing the Hardee County Landfill Second Quarter Landfill Gas Survey. Also attached is the GEM 2000 calibration sheet. Thanks,

### Brad Bayne

PG  
Sr. Scientist, East Sciences  
North America  
Engineering, Design and Project Management  
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**Atkins, member of the SNC-Lavalin Group**  
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# Certificate of Calibration

## LandTech



<b>Equipment Type:</b>	GEM2000				
<b>Date</b>	June 28, 2021	<b>NOTES:</b>    			
<b>Serial #</b>	GM07858				
<b>Calibration Gas # 1</b>	2.5% CH4 Vol. (50%LEL)				
<b>Calibration Gas #2</b>	5% CO2				
<b>Calibration Gas #3</b>					
<b>Lot # (s)</b>	LBH-340BS-1				
<b>Expiration Date(s)</b>	Nov-21				
<b>Ambient Temperature</b>	23°C (73.4°F)				
<b>Instrument Reading: Ambient Air</b>	0% CH4	0.1% CO2	20.9% O2		
<b>Instrument Reading: Calibration Gas</b>	2.4% CH4			5.0% CO2	0.1% O2
<b>Calibrated By:</b>	Nathan Peterson	<b>Signature:</b>			

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



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July 16, 2021

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

**Re: Second Quarter 2021 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 Second Quarter of 2021. The readings were collected by ATKINS personnel on June 30, 2021. 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. Bayne".

Bradley J. Bayne, P.G.  
Project Geologist

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

**TABLE 1**  
**HARDEE COUNTY LANDFILL**  
**LANDFILL GAS READINGS**  
**2nd QUARTER 2021**

Gas Well	Date	Reading (% LEL)	Note No.
GP-1	6/30/2021	0.0	-
GP-2	6/30/2021	0.0	-
GP-3	N/A	N/A	1
GP-3R	6/30/2021	0.0	2
GP-4	N/A	N/A	1
GP-4R	6/30/2021	0.0	2
GP-5	N/A	N/A	1
GP-5R	6/30/2021	0.0	2
GP-6	N/A	N/A	1
GP-6R	6/30/2021	0.0	2
GP-7	N/A	N/A	1
GP-7R	6/30/2021	0.0	2
GP-8	N/A	N/A	1
GP-8R	6/30/2021	0.0	2
GP-9	6/30/2021	0.0	-
GP-10	6/30/2021	0.0	-
GP-11	6/30/2021	0.0	-
GP-12	6/30/2021	0.0	-
GP-13	6/30/2021	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)