

## Johnson, Sabrina O

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**From:** Bayne, Bradley J <Bradley.Bayne@atkinsglobal.com>  
**Sent:** Wednesday, March 31, 2021 4:09 PM  
**To:** Tafuni, Steven; SWD\_Waste  
**Cc:** Ofelia Reyna; Marissa Alexander  
**Subject:** Hardee County First Quarter 2021 Landfill Gas Survey\_SWD/25/40612  
**Attachments:** SWD2540612\_1st Quarter 2021 Hardee County Landfill Gas Readings.pdf; GEM2000032921.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  
1<sup>st</sup> Quarter 2021 Landfill Gas Survey

This e-mail provides a PDF file containing the Hardee County Landfill First 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  
Tel: +1 813 281-8377 Mob: +1 727 424-6716

**Atkins, member of the SNC-Lavalin Group**  
4030 W Boy Scout Rd, Ste. 700, Tampa, FL 33607

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**Atkins North America, Inc.**  
482 South Keller Road  
Orlando, Florida 32810-6101  
**Telephone: +1.407.647.7275**

[www.atkinsglobal.com/northamerica](http://www.atkinsglobal.com/northamerica)

March 31, 2021

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

**Re: First 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 First Quarter of 2021. The readings were collected by ATKINS personnel on March 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,

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**  
**1st QUARTER 2021**

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

# Certificate of Calibration

## LandTech



<b>Equipment Type:</b>	GEM2000			
<b>Date</b>	March 29, 2021			
<b>Serial #</b>	GM07858			
<b>Calibration Gas # 1</b>	2.5% CH <sub>4</sub> Vol. (50%LEL)			
<b>Calibration Gas #2</b>	5% CO <sub>2</sub>			
<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% CH <sub>4</sub>	0.1% CO <sub>2</sub>	20.9% O <sub>2</sub>	
<b>Instrument Reading: Calibration Gas</b>	2.5% CH <sub>4</sub>		5.0% CO <sub>2</sub>	0.1% O <sub>2</sub>
<b>Calibrated By:</b>	Nathan Peterson			

**NOTES:**

**Signature:** 