



December 28, 2016

Mr. Steve Morgan  
Solid Waste Section  
Department of Environmental Protection  
13051 N Telecom Pkwy  
Temple Terrace, FL 33637-0926

RE: Citrus County Central Landfill  
Landfill Gas Monitoring Results – Fourth Quarter 2016  
FDEP Permit No.: 201375-025-SO-01  
Jones Edmunds Project Number: 03860-053-01

Dear Mr. Morgan:

Enclosed are the Fourth Quarter 2016 landfill gas monitoring results for the Citrus County Central Landfill conducted on December 16, 2016. The calibration log is also enclosed with this letter.

Methane was not detected above the maximum limit of 100% LEL at any of the monitoring locations or above the maximum limit of 25% in any of the on-site structures. If you have any questions regarding this information, please contact me at (352) 377-5821.

Sincerely,

A handwritten signature in blue ink, appearing to read "Troy D. Hays". The signature is stylized and fluid.

Troy D. Hays, PG  
Sr. Manage/Vice President

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xc: Henry Norris, Citrus County

**LANDFILL GAS MONITORING RESULTS  
CENTRAL LANDFILL, CITRUS COUNTY**

**Fourth Quarter 2016**

**General Data**

<b>Date:</b>	12/16/2016	<b>Sampler:</b>	Steve Messick
<b>Time:</b>	8:35	<b>Sky Conditions:</b>	Clear
<b>Air Temperature (deg C):</b>	18	<b>Measuring Device:</b>	Eagle RKI (SN E084039)

**Sampling Data**

Station I.D.	Time Sampled	O2 %Volume	CO2 %Volume	Peak Recorded Concentration as % LEL	Station Type
GP-1	4:27	20.6	0.6	0.0	Gas Well
GP-2	3:11	20.4	0.4	0.0	Gas Well
GP-3	3:17	18.8	1.4	0.0	Gas Well
GP-4	12:41	17.9	3.2	0.0	Gas Well
GP-5	12:34	19.9	1.2	0.0	Gas Well
GP-6	12:16	17.9	2.8	0.0	Gas Well
GP-7	12:05	18.9	1.8	0.0	Gas Well
GP-8	11:59	19.8	1.0	0.0	Gas Well
GP-9	11:52	19.8	1.2	0.0	Gas Well
GP-10	11:43	16.2	3.6	0.0	Gas Well
GP-11	11:36	20.6	0.6	0.0	Gas Well
GP-12	11:31	19.8	1.4	0.0	Gas Well
GP-13	11:26	19.1	1.2	0.0	Gas Well
GP-14	11:18	20.0	0.6	0.0	Gas Well
GP-15	10:20	20.7	0.2	0.0	Gas Well
GP-16	10:26	20.6	0.6	0.0	Gas Well
GP-17	10:38	20.8	0.0	0.0	Gas Well
GP-18	10:48	20.7	0.6	0.0	Gas Well
GP-19	11:09	20.2	0.6	0.0	Gas Well
Scale House	8:41	20.9	1.0	0.0	Structure
Shop	8:46	20.9	0.0	0.0	Structure
Admin Building	8:35	20.9	0.0	0.0	Structure
Firing Range	8:59	20.9	0.0	0.0	Structure
Treatment Facility	8:50	20.9	0.0	0.0	Structure

**Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS**

SITE NAME Citrus County Central LF. DATE 12-16-16  
 INSTRUMENT (MAKE/MODEL#) Eagle Multi-Gas Detector INSTRUMENT # GNV 80023\*  
 Instrument Calibration Date Nov. 18, 2016 Reference Meter Book Eagle Meter Book 1

PARAMETER: [check only one]

- TEMPERATURE     CONDUCTIVITY     SALINITY     pH     ORP  
 TURBIDITY     RESIDUAL CI     DO     OTHER LANDFILL GAS

STANDARDS: [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 14.75% Methane (Volume), 14.97% CO<sub>2</sub> (Volume), Balance Nitrogen

Standard Source Airgas Lot # 122-124512810-2

Standard B Zero Air (0% Methane) (0% CO<sub>2</sub>) (21.0% O<sub>2</sub>)

Standard Source Airgas Lot # 55-403483127-1

Standard C % LEL Methane, % CO<sub>2</sub> (Volume), 0% O<sub>2</sub> (Volume), Bal Nitrogen

Standard Source \_\_\_\_\_ Lot # \_\_\_\_\_

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	CH <sub>4</sub> STD VALUE (% Vol)	CO <sub>2</sub> STD VALUE (% Vol)	O <sub>2</sub> STD VALUE (% Vol)	INSTRUMENT RESPONSE (%) DEVIATION (LIMITS +/- 5%)						CALIB- RATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
						CH <sub>4</sub>		CO <sub>2</sub>		O <sub>2</sub>				
						RES	DEV	RES	DEV	RES	DEV			
16/12/16	0832	A	14.75	14.97	—	15.0	<2	15.0	<1	—	—	Yes	Init.	Am
	0839	B	—	—	21.0	—	—	—	—	20.9	<1	Yes	Init.	Am
	1638	A	14.75	14.97	—	14.5	<2	14.8	<2	—	—	Yes	Cont.	Am
	1640	B	—	—	21.0	—	—	—	—	20.9	<1	Yes	Cont.	Am

\* Eagle SN E084039