

October 14, 2022

Ms. Melissa Madden  
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 – Third Quarter 2022  
FDEP Permit No.: 21375-025-SO-01  
FDEP Modification No.: 21375-026-SO-MM  
Jones Edmunds Project Number: 03860-086-01

Dear Ms. Madden:

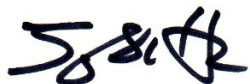
Enclosed are the Third Quarter 2022 landfill gas monitoring results for the Citrus County Central Landfill conducted on July 28 and 29, 2022. The calibration log is also enclosed with this letter.

Methane was not detected in any landfill gas monitoring well on site. Based on these sampling results from the wells at varying depths, Methane does not exceed 100% Lower-Explosive-Limit (LEL) at the compliance boundary and the site is in compliance with the landfill gas migration rule. Methane was not detected in the on-site structures.

The County continues to measure Methane in the groundwater monitoring wells. Methane was detected below the LEL in groundwater monitoring wells MW-14 and MW-E. Methane was detected at or above 100% LEL in groundwater monitoring wells MW-3, MW-5, MW-6, MW-7, MW-11, and MW-20.

Results from this sampling event indicate that the site is in compliance with the landfill gas migration rule. If you have any questions regarding this information, please contact me at (352) 377-5821.

Sincerely,



Troy D. Hays, PG  
Sr. Manager/Vice President  
730 NE Waldo Road  
Gainesville, FL 32618

M:\EnvDocs\Citrus County\Gas Mon\2022\22Q3\22Q3\_Citrus\_Gas Mon\_Letter.docx

xc: Dan Sherlock, Citrus County  
Joshua Younce, Citrus County  
Matthew Baer, Citrus County

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Third Quarter 2022

General Data

Sampler:	Royce Gamble
Measuring Device:	Eagle RKI (SN E084039)

Date	Time	Air Temperature (deg C)	Sky Conditions
7/28/2022	9:30	30	Mostly Clear
7/29/2022	-	-	-

Sampling Data

Station I.D.	Date Sampled	Time Sampled	Depth of Intake (Feet)	O2 %Volume	CO2 %Volume	Methane		Station Type
						Peak Recorded Concentration as % LEL	Peak Recorded Concentration as % Volume	
GP-1	7/28/2022	9:59	20	20.6	1.0	0.0	-	Gas Well
GP-1	7/28/2022	10:02	40	20.1	1.6	0.0	-	Gas Well
GP-2	7/28/2022	10:30	20	19.5	2.0	0.0	-	Gas Well
GP-2	7/28/2022	10:32	40	15.2	6.0	0.0	-	Gas Well
GP-3	7/28/2022	10:50	20	20.2	1.4	0.0	-	Gas Well
GP-3	7/28/2022	10:51	40	20.5	1.2	0.0	-	Gas Well
GP-4	7/29/2022	11:56	20	19.9	2.4	0.0	-	Gas Well
GP-4	7/29/2022	11:57	40	19.5	2.6	0.0	-	Gas Well
GP-5	7/29/2022	11:48	20	19.3	2.8	0.0	-	Gas Well
GP-5	7/29/2022	11:49	40	19.8	2.4	0.0	-	Gas Well
GP-6	7/29/2022	11:45	20	19.8	2.4	0.0	-	Gas Well
GP-6	7/29/2022	11:46	40	19.5	2.4	0.0	-	Gas Well
GP-7	7/29/2022	11:37	20	19.8	1.8	0.0	-	Gas Well
GP-7	7/29/2022	11:38	40	20.9	0.6	0.0	-	Gas Well
GP-8	7/29/2022	11:34	20	20.2	1.2	0.0	-	Gas Well
GP-8	7/29/2022	11:35	40	20.5	1.0	0.0	-	Gas Well
GP-9	7/29/2022	11:28	20	20.4	1.6	0.0	-	Gas Well
GP-9	7/29/2022	11:30	40	20.1	1.8	0.0	-	Gas Well
GP-10	7/29/2022	11:23	20	17.0	4.3	0.0	-	Gas Well
GP-10	7/29/2022	11:25	40	16.3	5.0	0.0	-	Gas Well
GP-11	7/29/2022	11:19	20	20.7	1.2	0.0	-	Gas Well
GP-11	7/29/2022	11:20	40	19.5	1.2	0.0	-	Gas Well
GP-12	7/28/2022	15:28	25	19.6	1.2	0.0	-	Gas Well
GP-12	7/28/2022	15:30	50	19.6	1.4	0.0	-	Gas Well
GP-12	7/28/2022	15:32	75	19.5	1.2	0.0	-	Gas Well
GP-13	7/28/2022	15:02	25	18.9	1.8	0.0	-	Gas Well
GP-13	7/28/2022	15:04	50	18.7	1.8	0.0	-	Gas Well
GP-13	7/28/2022	15:06	75	18.6	1.4	0.0	-	Gas Well
GP-14	7/28/2022	14:42	25	19.8	1.2	0.0	-	Gas Well
GP-14	7/28/2022	14:46	50	19.4	1.6	0.0	-	Gas Well
GP-14	7/28/2022	14:48	75	19.6	1.2	0.0	-	Gas Well
GP-15	7/28/2022	14:32	25	20.5	1.4	0.0	-	Gas Well
GP-15	7/28/2022	14:34	50	20.4	1.4	0.0	-	Gas Well
GP-15	7/28/2022	14:35	75	20.8	0.8	0.0	-	Gas Well
GP-16	7/28/2022	14:22	25	19.5	1.6	0.0	-	Gas Well
GP-16	7/28/2022	14:24	50	20.9	0.6	0.0	-	Gas Well
GP-16	7/28/2022	14:25	75	19.8	1.2	0.0	-	Gas Well
GP-17	7/28/2022	14:14	25	14.1	6.6	0.0	-	Gas Well
GP-17	7/28/2022	14:15	50	14.4	6.0	0.0	-	Gas Well
GP-17	7/28/2022	14:17	75	18.2	2.6	0.0	-	Gas Well
GP-18	7/28/2022	14:07	25	18.0	2.6	0.0	-	Gas Well
GP-18	7/28/2022	14:08	50	18.4	2.4	0.0	-	Gas Well
GP-18	7/28/2022	14:09	75	19.0	1.8	0.0	-	Gas Well
GP-19	7/28/2022	14:00	25	20.2	1.2	0.0	-	Gas Well
GP-19	7/28/2022	14:02	50	20.1	1.2	0.0	CO = 4 PPM	Gas Well
GP-19	7/28/2022	14:04	75	20.6	1.0	0.0	-	Gas Well

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Third Quarter 2022

General Data

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Date	Time	Air Temperature (deg C)	Sky Conditions
7/28/2022	9:30	30	Mostly Clear
7/29/2022	-	-	-

Sampling Data

Station I.D.	Date Sampled	Time Sampled	Depth of Intake (Feet)	O2 %Volume	CO2 %Volume	Methane		Station Type
						Peak Recorded Concentration as % LEL	Peak Recorded Concentration as % Volume	
GP-20	7/28/2022	14:27	105	18.2	1.6	0.0	CO = 34 PPM	Gas Well
GP-21	7/28/2022	14:11	115	20.9	0.0	0.0	-	Gas Well
GP-22	7/28/2022	10:04	70	17.6	0.0	0.0	-	Gas Well
GP-23	7/28/2022	10:07	100	20.9	0.0	0.0	-	Gas Well
GP-24	7/28/2022	10:35	70	15.7	0.3	0.0	-	Gas Well
GP-25	7/28/2022	10:36	100	20.9	0.0	0.0	-	Gas Well
GP-26	7/28/2022	10:53	70	18.3	2.1	0.0	-	Gas Well
GP-27	7/28/2022	10:55	100	18.0	1.9	0.0	-	Gas Well
GP-28	7/29/2022	11:59	70	20.3	1.4	0.0	-	Gas Well
GP-29	7/29/2022	12:01	100	20.9	0.0	0.0	-	Gas Well
GP-30	7/28/2022	14:37	105	19.7	1.2	0.0	CO = 25 PPM	Gas Well
Admin Building	7/28/2022	16:18	-	20.9	0.0	0.0	-	Structure
Scale House	7/28/2022	15:55	-	20.9	0.0	0.0	-	Structure
Shop	7/28/2022	16:00	-	20.9	0.0	0.0	-	Structure
Storage Shed	7/28/2022	16:04	-	20.9	0.0	0.0	-	Structure
Mod Building	7/28/2022	16:06	-	20.9	0.0	0.0	-	Structure
Equipment Building	7/29/2022	13:10	-	20.9	0.0	0.0	-	Structure
Electronics Container	7/29/2022	13:11	-	20.9	0.0	0.0	-	Container
Chemical Container #1	7/29/2022	13:12	-	20.9	0.0	0.0	-	Container
Haz Waste Drop-Off Center	7/29/2022	13:15	-	20.9	0.0	0.0	-	4 Structures
Paints	7/29/2022	13:16	-	20.9	0.0	0.0	-	Container
Chemical Container #2	7/29/2022	13:17	-	20.9	0.0	0.0	-	Container
Firing Range	7/29/2022	12:32	-	20.9	0.0	0.0	-	2 Structures

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Station I.D.	Date Sampled	Time Sampled	Depth of Intake (Feet)	O2 %Volume	CO2 %Volume	Methane		Station Type
						Peak Recorded Concentration as % LEL	Peak Recorded Concentration as % Volume	
MW-1R	7/28/2022	9:55	-	19.8	1.8	0.0	-	Groundwater Well
MW-2	7/28/2022	13:50	-	20.9	0.0	0.0	-	Groundwater Well
MW-3	7/28/2022	13:28	-	17.1	4.8	-	25.0	Groundwater Well
MW-5	7/28/2022	12:51	-	8.6	19.6	-	9.0	Groundwater Well
MW-6	7/28/2022	12:55	-	10.4	16.2	-	8.0	Groundwater Well
MW-7	7/28/2022	13:36	-	11.4	23.1	-	43.0	Groundwater Well
MW-8R	7/28/2022	12:29	-	20.9	0.4	0.0	-	Groundwater Well
MW-9	7/28/2022	12:05	-	20.9	0.4	0.0	-	Groundwater Well
MW-10	7/28/2022	11:21	-	17.5	9.2	0.0	-	Groundwater Well
MW-11	7/29/2022	10:26	-	11.3	23.1	-	93.0	Groundwater Well
MW-12	7/29/2022	10:37	-	20.9	0.0	0.0	-	Groundwater Well
MW-13	7/29/2022	10:49	-	20.9	0.6	0.0	-	Groundwater Well
MW-14	7/29/2022	10:55	-	20.9	1.0	1.0	-	Groundwater Well
MW-15	7/29/2022	11:02	-	20.9	0.0	0.0	-	Groundwater Well
MW-16	7/28/2022	13:08	-	20.5	2.2	0.0	-	Groundwater Well
MW-17	7/29/2022	11:08	-	20.9	0.2	0.0	-	Groundwater Well
MW-18	7/28/2022	11:06	-	20.9	0.4	0.0	-	Groundwater Well
MW-18D	7/28/2022	11:04	-	17.9	1.0	0.0	-	Groundwater Well
MW-19	7/28/2022	11:25	-	18.9	4.8	0.0	-	Groundwater Well
MW-19D	7/28/2022	11:30	-	20.7	0.6	0.0	-	Groundwater Well
MW-20	7/28/2022	15:38	-	9.7	30.0	-	40.5	Groundwater Well
MW-21	7/28/2022	10:22	-	12.9	5.8	0.0	-	Groundwater Well
MW-22	7/28/2022	10:18	-	20.6	1.2	0.0	-	Groundwater Well
MW-AA	7/29/2022	10:41	-	20.9	0.6	0.0	-	Groundwater Well
MW-B	7/28/2022	12:38	-	19.5	5.3	0.0	-	Groundwater Well
MW-E	7/29/2022	10:32	-	20.9	0.4	4.0	-	Groundwater Well
PZ-1	7/28/2022	11:40	-	20.9	0.0	0.0	-	Groundwater Well
PZ-2	7/28/2022	10:47	-	13.1	8.6	0.0	-	Groundwater Well
MW-7S	7/29/2022	12:18	-	20.9	0.0	0.0	-	Groundwater Well
MW-7D	7/29/2022	12:20	-	20.9	0.0	0.0	-	Groundwater Well
MW-20D	7/29/2022	12:32	-	20.9	0.0	0.0	-	Groundwater Well

# Instrument Calibration Record

