

## Morris, John R.

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**From:** Patrick Kardish <PKardish@jonesedmunds.com>  
**Sent:** Wednesday, April 19, 2017 4:29 PM  
**To:** Morris, John R.  
**Cc:** Henry.Norris@citrusbocc.com; Carol Sawyer; Elizabeth Kennelley; Troy Hays; Madden, Melissa; Morgan, Steve; SWD\_Waste (Shared Mailbox)  
**Subject:** RE: Citrus County Central Landfill 2nd Quarter 2017 LFG Monitoring Report [facility #39859]  
**Attachments:** 17Q2\_Citrus\_LFG in GW Wells.pdf

Good Afternoon John,

Attached you will find the table regarding the monitoring wells for the 17Q2 LFG Monitoring Report. Please let me know if you have any questions or need any additional information.

Thank You

Patrick Kardish  
Environmental Data Analyst  
Jones Edmunds & Associates, Inc.  
352.377.5821 ext. 1411

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**From:** Morris, John R. [mailto:John.R.Morris@dep.state.fl.us]  
**Sent:** Wednesday, April 19, 2017 3:32 PM  
**To:** Patrick Kardish <PKardish@jonesedmunds.com>  
**Cc:** Henry.Norris@citrusbocc.com; Carol Sawyer <CSawyer@jonesedmunds.com>; Elizabeth Kennelley <ekennelley@jonesedmunds.com>; Troy Hays <thayes@jonesedmunds.com>; Madden, Melissa <Melissa.Madden@dep.state.fl.us>; Morgan, Steve <Steve.Morgan@dep.state.fl.us>; SWD\_Waste (Shared Mailbox) <SWD\_Waste@dep.state.fl.us>  
**Subject:** RE: Citrus County Central Landfill 2nd Quarter 2017 LFG Monitoring Report [facility #39859]

Patrick:

Good afternoon. Thanks for providing the results of the April 2017 gas monitoring event at the referenced facility. It appears the attachment to your message provided the results of the gas monitoring conducted at the gas probes and ambient stations. Can you also provide the results of the gas monitoring conducted at the monitor wells?

Your assistance is appreciated.

John



### John R. Morris, P.G.

Permitting and Waste Cleanup Program  
Florida Department of Environmental Protection, Southwest District  
13051 N Telecom Parkway, Suite 101, Temple Terrace, FL 33637  
Main office: 813-470-5700 Direct line: 813-470-5751  
E-mail: [john.r.morris@dep.state.fl.us](mailto:john.r.morris@dep.state.fl.us)

**Permitting Consistency Initiative:** The Florida Department of Environmental Protection is committed to providing efficient, consistent and quality service to the citizens of Florida. In keeping with these objectives, we are pleased to announce ongoing improvements to our permitting process by standardizing and simplifying our documents. During the fall of this year, the Department will begin issuing permitting correspondence formatted consistently throughout all programs. Although the document formatting will look different from past correspondence, please be assured that the content continues to be driven by applicable Rule and Statute. As always, if you have any questions, please contact your local DEP District office.

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**From:** Patrick Kardish [mailto:PKardish@jonesedmunds.com]  
**Sent:** Wednesday, April 19, 2017 11:02 AM  
**To:** Morgan, Steve <Steve.Morgan@dep.state.fl.us>  
**Cc:** Henry.Norris@citrusbocc.com; Carol Sawyer <CSawyer@jonesedmunds.com>; Elizabeth Kennelley <ekennelley@jonesedmunds.com>; Troy Hays <thayes@jonesedmunds.com>; Morris, John R. <John.R.Morris@dep.state.fl.us>; Madden, Melissa <Melissa.Madden@dep.state.fl.us>  
**Subject:** Citrus County Central Landfill 2nd Quarter 2017 LFG Monitoring Report

Good Morning Steve,

Attached is the 2nd Quarter 2017 LFG Monitoring Report for the Citrus County Central landfill. We have also measured the landfill gas concentrations in all of the groundwater monitoring wells at the site. Please call us at 352-377-5821 if you have any questions or need any additional information.

Thank You

Patrick Kardish  
Environmental Data Analyst



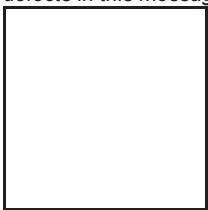
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**LANDFILL GAS MONITORING RESULTS  
CENTRAL LANDFILL, CITRUS COUNTY**

**Second Quarter 2017**

**General Data**

<b>Date:</b>	4/17/2017	<b>Sampler:</b>	Steve Messick
<b>Time:</b>	10:00	<b>Sky Conditions:</b>	Clear, Wind <3 Mph
<b>Air Temperature (deg C):</b>	28	<b>Measuring Device:</b>	Eagle RKI (SNE084039)

**Sampling Data**

Station I.D.	Time Sampled	O2 %Volume	CO2 %Volume	Methane		Station Type
				Peak Recorded Concentration as % LEL	Peak Recorded Concentration as % Volume	
MW-1R	11:08	18.0	3.0	0.0	-	GW Well
MW-2	14:29	4.0	23.4	-	13.5	GW Well
MW-3	11:23	5.0	34.0	-	50.5	GW Well
MW-5	11:46	4.7	21.6	68.0	-	GW Well
MW-6	11:41	3.3	35.8	-	40.0	GW Well
MW-7	11:31	3.3	35.6	-	39.0	GW Well
MW-8R	14:01	12.5	10.4	0.0	-	GW Well
MW-9	13:55	2.6	9.4	23.0	-	GW Well
MW-10	13:39	10.0	17.0	0.0	-	GW Well
MW-11	11:00	18.7	1.2	0.0	-	GW Well
MW-12	10:46	19.1	2.0	0.0	-	GW Well
MW-13	10:29	7.5	12.6	0.0	-	GW Well
MW-14	10:02	20.9	0.0	0.0	-	GW Well
MW-15	10:13	20.9	0.0	0.0	-	GW Well
MW-16	11:16	2.9	34.2	-	61.0	GW Well
MW-17	10:21	15.8	4.4	8.0	-	GW Well
MW-18	13:34	10.1	11.6	0.0	-	GW Well
MW-19	13:43	10.4	16.6	0.0	-	GW Well
MW-20	14:19	4.0	25.2	-	14.5	GW Well
MW-21	13:24	2.9	23.4	-	8.5	GW Well
MW-AA	10:35	18.7	2.2	0.0	-	GW Well
MW-B	14:09	17.1	12.4	0.0	-	GW Well
MW-E	10:54	20.9	0.0	0.0	-	GW Well
PZ-1	13:48	2.2	9.4	23.0	-	GW Well
PZ-2	13:30	2.6	23.0	-	9.0	GW Well