

## Smith, George

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**From:** Morris, John R.  
**Sent:** Wednesday, February 08, 2017 11:15 AM  
**To:** SWD\_Waste (Shared Mailbox)  
**Cc:** Madden, Melissa; Tift, Rachel  
**Subject:** FW: Citrus County Leachate Generation Report  
**Attachments:** Leachate Generation report.pdf



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

Permitting and Waste Cleanup Program  
Florida Department of Environmental Protection, Southwest District  
13051 N Telecom Parkway, 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:** Henry C. Norris [<mailto:Henry.Norris@citrusbocc.com>]  
**Sent:** Wednesday, February 08, 2017 10:16 AM  
**To:** Morris, John R. ; Morgan, Steve  
**Subject:** Citrus County Leachate Generation Report

Gentleman, please see Citrus Counties 2017 leachate report



Henry C Norris Jr  
Solid Waste Division Director  
Citrus County Board of County Commissioners  
230 W. Gulf to Lake Hwy  
Lecanto, FL 34461  
(352) 527-7670



**Board of County Commissioners**  
**DEPARTMENT OF PUBLIC WORKS**  
**SOLID WASTE MANAGEMENT DIVISION**

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

TDD Telephone 527-5303

email: [landfillinfo@bocc.citrus.fl.us](mailto:landfillinfo@bocc.citrus.fl.us)

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

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February 3, 2017

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

Re: **Citrus County Central Landfill - Permit No. 21375-018-SO/01**  
**Leachate Generation and Daily Precipitation Report**  
**WACS I.D. # 39859 - Electronic Submittal**

Gentlemen:

In compliance with Specific Condition C.8.e.2, of the above referenced permit, enclosed please find the quarterly Leachate Generation and Daily Precipitation Report for the months of October, November and December 2016, together with the Year-to-Date Leachate Tracking Summary.

There were two exceedances at the beginning of October.

If you should need additional information, please let me know.

Sincerely,

Henry C. Norris, Jr.  
Director, Citrus County  
Division of Solid Waste Management

HCN:NM

CC: Jeff Rogers, P.E., Director, Department of Public Works (Electronic)  
Ed Hilton, SCS Engineers – Tampa Office (Electronic)

## CITRUS COUNTY CENTRAL LANDFILL

## DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA

DATE	DAY	RAIN DATA	80-ACRE TOTAL SECONDARY PHASE 1, 1A, 2 & 3	80-ACRE TOTAL PRIMARY PHASE 1, 1A, 2 & 3	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL LEACHATE GENERATED	HAULED LEACHATE (RAW) FOR DISPOSAL OFF SITE	FORCE MAIN LEACHATE (RAW) FOR DISPOSAL OFF SITE	TOTAL LEACHATE (RAW) DISPOSED OFF SITE	BALANCE
10/1/16	Sat	0.00	623	21326	286	0	22235	0	21000	21000	
10/2/16	Sun	1.70	712	21326	287	0	22325	0	20000	20000	
10/3/16	Mon	0.50	903	28996	737	0	30636	0	4000	4000	
10/4/16	Tue	0.00	645	26260	329	0	27234	0	22000	22000	
10/5/16	Wed	0.00	662	22016	442	0	23120	0	19000	19000	
10/6/16	Thu	0.20	436	20176	265	0	20877	0	21000	21000	
10/7/16	Fri	0.50	488	21823	719	0	23030	0	18000	18000	
10/8/16	Sat	0.00	437	16314	316	0	17067	0	14000	14000	
10/9/16	Sun	0.00	437	16314	317	0	17068	0	13000	13000	
10/10/16	Mon	0.00	452	14780	419	0	15651	0	12000	12000	
10/11/16	Tue	0.00	473	13962	315	0	14750	0	21000	21000	
10/12/16	Wed	0.00	465	15962	332	0	16759	0	17000	17000	
10/13/16	Thu	0.00	441	15742	0	0	16183	0	1000	1000	
10/14/16	Fri	0.00	129	8953	314	0	9396	0	17000	17000	
10/15/16	Sat	0.00	429	12393	156	0	12978	0	9000	9000	
10/16/16	Sun	0.00	429	12392	155	0	12976	0	9000	9000	
10/17/16	Mon	0.00	458	12824	315	0	13597	0	18000	18000	
10/18/16	Tue	0.00	277	10074	299	0	10650	0	8000	8000	
10/19/16	Wed	0.00	292	9264	5	0	9561	0	10000	10000	
10/20/16	Thu	0.00	284	10043	1044	0	11371	0	0	0	
10/21/16	Fri	0.00	480	4366	311	0	5157	0	17000	17000	
10/22/16	Sat	0.00	511	2483	323	0	3317	0	8000	8000	
10/23/16	Sun	0.00	511	2481	322	0	3314	0	7000	7000	
10/24/16	Mon	0.00	367	2836	720	0	3923	0	0	0	
10/25/16	Tue	0.00	245	382	319	0	946	0	18000	18000	
10/26/16	Wed	0.00	409	3942	0	0	4351	0	0	0	
10/27/16	Thu	0.00	217	5332	735	0	6284	0	0	0	
10/28/16	Fri	0.00	461	1788	0	0	2249	0	0	0	
10/29/16	Sat	0.00	206	4105	480	0	4791	0	8000	8000	
10/30/16	Sun	0.00	205	4148	480	0	4833	0	9000	9000	
10/31/16	Mon	0.00	498	4796	707	0	6001	0	0	0	
<b>TOTALS</b>			<b>13582</b>	<b>367599</b>	<b>11449</b>	<b>0</b>	<b>392630</b>	<b>0</b>	<b>341000</b>	<b>341000</b>	<b>51630</b>

PHASE 1, 1A, 2 &amp; 3 TOTAL ACRES 32.6 - 6.8 OPEN, 25.8 INTERMEDIATE, 0.0 CLOSED



## CITRUS COUNTY CENTRAL LANDFILL

## DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA

DATE	DAY	RAIN DATA	80-ACRE TOTAL SECONDARY PHASE 1, 1A, 2 & 3	80-ACRE TOTAL PRIMARY PHASE 1, 1A, 2 & 3	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL LEACHATE GENERATED	HAULED LEACHATE (RAW) FOR DISPOSAL OFF SITE	FORCE MAIN LEACHATE (RAW) FOR DISPOSAL OFF SITE	TOTAL LEACHATE (RAW) DISPOSED OFF SITE	BALANCE
11/1/16	Tue	0.00	197	3894	0	0	4091	0	7000	7000	
11/2/16	Wed	0.00	507	4837	307	0	5651	0	9000	9000	
11/3/16	Thu	0.00	156	3992	435	0	4683	0	0	0	
11/4/16	Fri	0.00	275	3573	308	0	4056	0	0	0	
11/5/16	Sat	0.00	399	4694	289	0	5382	0	9000	9000	
11/6/16	Sun	0.00	400	4692	288	0	5380	0	9000	9000	
11/7/16	Mon	0.00	267	3456	301	0	4024	0	0	0	
11/8/16	Tue	0.00	232	4369	435	0	5036	0	0	0	
11/9/16	Wed	0.00	587	4519	304	0	5410	0	17000	17000	
11/10/16	Thu	0.00	268	3513	734	0	4515	0	0	0	
11/11/16	Fri	0.00	381	4608	0	0	4989	0	0	0	
11/12/16	Sat	0.00	380	4103	413	0	4896	0	9000	9000	
11/13/16	Sun	0.00	378	4102	413	0	4893	0	8000	8000	
11/14/16	Mon	0.00	410	4168	32	0	4610	0	0	0	
11/15/16	Tue	0.00	515	5111	695	0	6321	0	0	0	
11/16/16	Wed	0.00	486	45427	286	0	46199	0	53000	53000	
11/17/16	Thu	0.00	558	27664	440	0	28662	0	23000	23000	
11/18/16	Fri	0.00	394	8015	141	0	8550	0	10000	10000	
11/19/16	Sat	0.00	393	8015	142	0	8550	0	10000	10000	
11/20/16	Sun	0.00	467	8514	618	0	9599	0	17000	17000	
11/21/16	Mon	0.00	394	6007	306	0	6707	0	0	0	
11/22/16	Tue	0.00	487	4533	0	0	5020	0	0	0	
11/23/16	Wed	0.00	277	7596	460	0	8333	0	20000	20000	
11/24/16	Thu	0.00	214	4926	252	0	5392	0	0	0	
11/25/16	Fri	0.00	275	9111	393	0	9779	0	18000	18000	
11/26/16	Sat	0.00	393	7193	414	0	8000	0	7000	7000	
11/27/16	Sun	0.00	392	7191	414	0	7997	0	7000	7000	
11/28/16	Mon	0.00	206	8148	166	0	8520	0	0	0	
11/29/16	Tue	0.00	187	7372	310	0	7869	0	19000	19000	
11/30/16	Wed	0.00	449	5405	696	0	6550	0	0	0	
TOTALS		0.00	10924	228748	9992	0	249664	0	252000	252000	-2336

PHASE 1, 1A, 2 &amp; 3 TOTAL ACRES 32.6 - 6.8 OPEN, 25.8 INTERMEDIATE, 0.0 CLOSED

## CITRUS COUNTY CENTRAL LANDFILL

## DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA

DATE	DAY	RAIN DATA	80-ACRE TOTAL SECONDARY PHASE 1, 1A, 2 & 3	80-ACRE TOTAL PRIMARY PHASE 1, 1A, 2 & 3	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL LEACHATE GENERATED	HAULED LEACHATE (RAW) FOR DISPOSAL OFF SITE	FORCE MAIN LEACHATE (RAW) FOR DISPOSAL OFF SITE	TOTAL LEACHATE (RAW) DISPOSED OFF SITE	BALANCE
12/1/16	Thu	0.00	387	4480	0	0	4867	0	0	0	0
12/2/16	Fri	0.00	289	7894	697	0	8880	0	0	17000	
12/3/16	Sat	0.00	254	7902	152	0	8308	0	0	9000	
12/4/16	Sun	0.00	252	7900	151	0	8303	0	0	9000	
12/5/16	Mon	0.20	344	13808	727	0	14879	0	0	19000	
12/6/16	Tue	0.30	237	6145	2	0	6384	0	0	0	
12/7/16	Wed	0.00	316	9404	722	0	10442	0	0	15000	
12/8/16	Thu	0.00	522	5010	304	0	5836	0	0	1000	
12/9/16	Fri	0.00	377	5057	0	0	5434	0	0	9000	
12/10/16	Sat	0.00	306	7182	336	0	7824	0	0	2000	
12/11/16	Sun	0.00	304	7181	336	0	7821	0	0	2000	
12/12/16	Mon	0.00	470	6695	303	0	7468	0	0	2000	
12/13/16	Tue	0.00	248	9301	691	0	10240	0	0	2000	
12/14/16	Wed	0.00	205	5561	17	0	5783	0	0	0	
12/15/16	Thu	0.00	494	6836	672	0	8002	0	0	0	
12/16/16	Fri	0.00	206	8270	0	0	8476	0	0	3000	
12/17/16	Sat	0.00	256	8273	465	0	8994	0	0	0	
12/18/16	Sun	0.00	254	8272	501	0	9027	0	0	0	
12/19/16	Mon	0.20	205	6486	321	0	7012	0	0	0	
12/20/16	Tue	0.00	276	11612	356	0	12244	0	0	1000	
12/21/16	Wed	0.00	615	10625	0	0	11240	0	0	0	
12/22/16	Thu	0.00	206	5759	269	0	6234	0	0	0	
12/23/16	Fri	0.00	230	7763	414	0	8407	0	0	2000	
12/24/16	Sat	0.00	193	8464	110	0	8767	0	0	0	
12/25/16	Sun	0.00	194	8464	111	0	8769	0	0	0	
12/26/16	Mon	0.00	193	10268	648	0	11109	0	0	1000	
12/27/16	Tue	0.00	473	9353	0	0	9826	0	0	0	
12/28/16	Wed	0.00	227	10895	358	0	11480	0	0	0	
12/29/16	Thu	0.00	284	5587	315	0	6186	0	0	3000	
12/30/16	Fri	0.00	336	15932	0	0	16268	0	0	0	
12/31/16	Sat	0.00	267	9553	352	0	10172	0	0	2000	
<b>TOTALS</b>		<b>0.70</b>	<b>9420</b>	<b>255932</b>	<b>9330</b>	<b>0</b>	<b>274682</b>	<b>0</b>	<b>0</b>	<b>99000</b>	<b>175682</b>

PHASE 1, 1A, 2 &amp; 3 TOTAL ACRES 32.6 - 6.8 OPEN, 25.8 INTERMEDIATE, 0.0 CLOSED



# **CITRUS COUNTY CENTRAL LANDFILL LEACHATE GALLONS**

MONTH	RAIN DATA	7-ACRE TOTAL OF LEACHATE	80-ACRE TOTAL OF PRIMARY LEACHATE PHASE 1, 1A, 2 & 3	80-ACRE TOTAL OF SECONDARY LEACHATE PHASE 1, 1A, 2 & 3	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL INFLUENT LEACHATE	HAULED LEACHATE (RAW) FOR DISPOSAL OFF-SITE	FORCE MAIN LEACHATE (RAW) FOR DISPOSAL OFF-SITE	EFFLUENT DISPOSAL ON-SITE	TOTAL DISPOSAL	BALANCE
JANUARY	5.50	11170	401476	16427	0	429073	0	404000	0	404000	25073
FEBRUARY	4.10	9836	522781	13040	0	545657	0	379000	0	379000	166657
MARCH	4.50	10385	799802	8651	0	818838	0	331000	0	331000	487838
APRIL	2.60	9370	538654	7985	0	556009	0	250000	0	250000	306009
MAY	6.20	10415	745199	12038	0	767652	0	424000	0	424000	343652
JUNE	8.60	9450	1447559	15944	0	1472953	0	678000	0	678000	794953
JULY	2.10	8739	685261	6005	0	700005	0	179000	0	179000	521005
AUGUST	9.70	15146	729373	12152	0	756671	0	401000	0	401000	355671
SEPTEMBER	10.70	13154	879682	26327	0	919163	0	617000	0	617000	302163
OCTOBER	2.90	11449	367599	13582	0	392630	0	341000	0	341000	51630
NOVEMBER	0.00	9992	228748	10924	0	249664	0	252000	0	252000	-2336
DECEMBER	0.70	9330	255932	9420	0	274682	0	99000	0	99000	175682
YTD TOTAL	57.6	128436	7602066	152495	0	7882997	0	4355000	0	4355000	3527997

2,375,839

1,197,000 July - September

26,398

13,300 Daily Average