

## Smith, George

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**From:** Ray Oates <ray.oates@citrusbocc.com>  
**Sent:** Thursday, July 06, 2017 2:10 PM  
**To:** SWD\_Waste  
**Subject:** Citrus County Central Landfill, Second Quarter 2017 Leachate Generation Report  
**Attachments:** 2017 2nd Qtr Leachate and Rain Report.pdf

In compliance with Specific Condition C.8.e.2, of Operating Permit 21375-018-SO/01, enclosed please find the quarterly Leachate Generation and Daily Precipitation Report for the months of April, May and June 2017.

If you should need any additional information, please do not hesitate to contact me.

Sincerely,

Ray Oates, PG  
*Solid Waste Compliance Manager*  
Citrus County Division of Solid Waste Management  
230 W. Gulf to Lake Hwy  
Lecanto, FL 34460  
(352) 527-7670  
(352) 527-7679 Direct #  
(352) 527-7672 Fax  
[Ray.Oates@citrusbocc.com](mailto:Ray.Oates@citrusbocc.com)

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# 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

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

July 5, 2017

Florida 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**

Dear FDEP:

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 January, February and March 2017. Additionally please find the Year-to-Date Leachate Tracking Summary.

Exceedances on June 10<sup>th</sup>-14<sup>th</sup> and June 29<sup>th</sup> from secondary flow phases 1 and 1A are related to precipitation. The landfill received 1.50 inches of rainfall on June 10<sup>th</sup>, 1.60 inches on June 11<sup>th</sup>, 0.20 inches on June 13<sup>th</sup>, 0.30 inches on June 14<sup>th</sup> and 1.70 inches on July 29<sup>th</sup>.

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

Sincerely,

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

Submitted Electronically  
SWD\_Waste@dep  
Addresses & cc  
Date: 7/6/2017  
Initials RD

HCN:RO

CC: Jeff Rogers, P.E., Director, Department of Public Works (Electronic)  
Troy Hays, Jones Edmunds – Gainesville (Electronic)



## CITRUS COUNTY CENTRAL LANDFILL

PHASE 1 AND 1A												PHASE 2												PHASE 3												TOTAL PHASE 1, 1A, 2 & 3			
DATE	DAY	RAIN INCHES	80-1 (S) LS P O METER C	Secondary 80-1 (S) FLOW GAL	80-2 (P) LS P O METER C	Primary 80-2 (P) FLOW GAL	80-1 (P) LS P O METER C	Primary 80-1 (P) FLOW GAL	80-2 (P) LS P O METER C	Primary 80-2 (P) FLOW GAL	80-3 (S) LS P O METER C	Secondary 80-3 (S) FLOW GAL	80 (P-1) LS P O METER C	Primary 80 (P-1) FLOW GAL	80 (P-2) LS P O METER C	Secondary 80 (P-2) FLOW GAL	80 ACRE TOTAL SECONDARY	80 ACRE TOTAL PRIMARY	80 ACRE TOTAL FLOW GALLONS																				
05/01/17	Mon	0.10	272403 O	103	5278774 A	2257	1521017 A	990	3169193 A	1166	6968 A	0	24937890 A	3566	936573 A	28	131	7979	8110																				
05/02/17	Tue	0.00	272506 O	88	5281031 A	0	1522007 A	795	3170339 A	1366	6968 A	0	24941456 A	4924	936601 A	7	95	7105	7200																				
05/03/17	Wed	0.00	272594 O	82	5281031 A	2728	1522802 A	858	3171145 A	1214	6968 A	0	24946380 A	2946	936608 A	3	85	7746	7831																				
05/04/17	Thu	0.20	272676 O	5	5283759 A	2995	1523660 A	832	3172959 A	2260	6968 A	15	24949326 A	3092	936611 A	239	259	9179	9438																				
05/05/17	Fri	0.00	272681 O	21	5286754 A	0	1524492 A	567	3175219 A	18	6983 A	0	24952418 A	4076	936880 A	3	24	4661	4685																				
05/06/17	Sat	0.00	272702 O	43	5286754 A	0	1525059 A	568	3175237 A	1123	6983 A	0	24956494 A	5396	936883 A	7	50	7087	7137																				
05/07/17	Sun	0.00	272745 O	43	5286754 A	0	1525627 A	567	3176360 A	1122	6983 A	1	24961890 A	5395	936880 A	7	51	7084	7135																				
05/08/17	Mon	0.00	272788 O	29	5286754 A	2422	1526194 A	802	3177482 A	1179	6984 A	0	24967285 A	5136	936887 A	226	265	9539	9794																				
05/09/17	Tue	0.00	272817 O	18	5289176 A	0	1526996 A	849	3178660 A	1139	6984 A	0	24972421 A	3017	937093 A	25	43	5005	5048																				
05/10/17	Wed	0.00	272835 O	9	5289176 A	2122	1527845 A	809	3179800 A	1176	6984 A	0	24975438 A	3893	937118 A	2	11	8000	8011																				
05/11/17	Thu	0.00	272844 O	4	5291298 A	1928	1528654 A	814	3180976 A	1175	6984 A	0	24979331 A	3664	937123 A	3	7	7581	7588																				
05/12/17	Fri	0.00	272848 O	0	5293226 A	2124	1529468 A	814	3182151 A	1141	6984 A	0	24982995 A	4528	937123 A	10	10	8607	8617																				
05/13/17	Sat	1.20	272848 O	0	5293226 A	2124	1529468 A	814	3182151 A	1141	6984 A	0	24982995 A	4528	937123 A	10	10	8607	8617																				
05/14/17	Sun	0.00	272848 O	0	5295350 A	0	1530282 A	1245	3183292 A	1739	6984 A	3	24987523 A	7998	937133 A	377	380	10982	11362																				
05/15/17	Mon	0.00	272848 O	0	5295350 A	0	1531527 A	1244	3185031 A	1739	6984 A	4	24995521 A	7998	937510 A	359	362	10981	11343																				
05/16/17	Tue	0.00	272848 O	0	5295350 A	2418	1532771 A	843	3186770 A	1176	6990 A	3	25003519 A	5654	937869 A	13	17	10091	10108																				
05/17/17	Wed	0.00	272848 O	0	5297768 A	0	1533614 A	862	3187946 A	1185	6994 A	6	25009173 A	5401	937882 A	31	37	7448	7485																				
05/18/17	Thu	0.00	272848 O	0	5297768 A	2127	1534476 A	815	3189131 A	1198	7000 A	3	25014574 A	6858	937913 A	227	230	10998	11228																				
05/19/17	Fri	0.00	272848 O	0	5299895 A	2448	1535293 A	788	3190329 A	14	7003 A	5	25021432 A	467	938140 A	7	12	1269	1281																				
05/20/17	Sat	0.00	272848 O	0	5299895 A	1087	1536079 A	852	3190343 A	2353	7008 A	8	25021899 A	5602	938147 A	249	257	11255	11512																				
05/21/17	Sun	0.00	272848 O	0	5302343 A	1087	1536931 A	854	3192896 A	1169	7016 A	7	25027501 A	5844	938396 A	20	27	8955	8982																				
05/22/17	Mon	0.00	272848 O	0	5303430 A	1086	1537785 A	853	3193866 A	1169	7023 A	6	25033345 A	5843	938416 A	20	26	8951	8977																				
05/23/17	Tue	0.00	272848 O	0	5304516 A	2106	1538638 A	846	3195035 A	1150	7029 A	4	25039188 A	2684	938436 A	246	250	8951	8977																				
05/24/17	Wed	0.40	272848 O	0	5306622 A	2121	1539484 A	846	3195035 A	1165	7033 A	4	25041872 A	2997	938682 A	18	22	7098	7120																				
05/25/17	Thu	0.00	272848 O	0	5308743 A	2049	1540299 A	1638	3196185 A	1200	7037 A	5	25044869 A	10768	938700 A	26	31	15655	15686																				
05/26/17	Fri	0.00	272848 O	0	5310792 A	0	1541937 A	82	3198550 A	1119	7042 A	3	25055637 A	0	938726 A	5	8	1201	1209																				
05/27/17	Sat	0.00	272848 O	0	5310792 A	1097	1542019 A	960	3198550 A	1137	7045 A	2	25056637 A	3414	938731 A	230	232	5511	5743																				
05/28/17	Sun	0.00	272848 O	0	5311889 A	1097	1542979 A	831	3200066 A	599	7047 A	8	25059051 A	3372	938961 A	5	5	5899	5912																				
05/29/17	Mon	0.00	272848 O	0	5311889 A	1097	1543810 A	831	3201405 A	599	7055 A	8	25062423 A	3371	938966 A	5	13	5898	5911																				
05/30/17	Tue	0.00	272848 O	0	5312966 A	2140	1544641 A	863	3202004 A	1171	7063 A	4	25065794 A	9480	938971 A	258	262	13654	13916																				
05/31/17	Wed	0.00	272848 O	0	5315126 A	2120	1545504 A	813	3203175 A	1130	7069 A	2	25075274 A	1823	939229 A	3	5	3766	3771																				
06/01/17	Thu	0.00	272848 O	0	5315126 A	2120	1546317 A	861	3204305 A	1203	7069 A	14	25077097 A	4012	939232 A	18	32	8196	8228																				
Unmetered Effluent flow for the month																																							
TOTAL		1.90		445		38472		26161		36315		115		143219		2677	3237	244167	247404																				

POC - PUMP OPERATION CODE

A - AUTOMATIC

M - MANUAL

O - OFF



## CITRUS COUNTY CENTRAL LANDFILL

PHASE 1 AND 1A														PHASE 2														PHASE 3														TOTAL PHASE 1, 1A, 2 & 3			
DATE	DAY	RAIN IN INCHES	80-1 (S) LS O P METER C	Secondary 80-1 (S) FLOW GAL	80-2 (P) LS O P METER C	Primary 80-2 (P) FLOW GAL	80-1 (P) LS O P METER C	Primary 80-1 (P) FLOW GAL	80-2 (P) LS O P METER C	Primary 80-2 (P) FLOW GAL	80-3 (S) LS O P METER C	Secondary 80-3 (S) FLOW GAL	80 (P-1) LS O P METER C	Primary 80 (P-1) FLOW GAL	80 (P-2) LS O P METER C	Secondary 80 (P-2) FLOW GAL	80 ACRE TOTAL SECONDARY	80 ACRE TOTAL PRIMARY	80 ACRE TOTAL FLOW GALLONS																										
04/01/17	Sat	0.00	259620 O	633	5241200 A	1220	1486407 A	1359	3121645 A	2008	6933 A	0	124714906 A	4256	933455 A	189	822	8843	9665																										
04/02/17	Sun	0.00	260263 O	633	5242420 A	1219	1487766 A	1358	3123633 A	2007	6933 A	0	124719162 A	4255	933674 A	188	821	8839	9660																										
04/03/17	Mon	0.00	260886 O	462	5243639 A	2106	1489124 A	853	3125660 A	1267	6933 A	0	124723417 A	3166	933862 A	21	883	7892	7875																										
04/04/17	Tue	0.20	261348 O	563	5245745 A	0	1489977 A	837	3126927 A	1192	6933 A	0	124726583 A	3293	933863 A	2	565	5322	5887																										
04/05/17	Wed	2.30	261911 O	486	5245745 A	2235	1490814 A	1873	3128119 A	2588	6933 A	0	124729876 A	14819	933885 A	232	718	21515	22233																										
04/06/17	Thu	0.00	262397 O	609	5247980 A	0	1492687 A	1570	3130707 A	2502	6933 A	0	124744695 A	33008	934117 A	267	876	37080	37956																										
04/07/17	Fri	0.00	263006 O	527	5247980 A	12	1494257 A	1570	3132099 A	2463	6933 A	0	124777703 A	18040	934384 A	31	558	22085	22643																										
04/08/17	Sat	0.00	263533 O	512	5247992 A	1126	1495827 A	1570	3135672 A	1901	6933 A	0	124807168 A	11425	934544 A	129	641	16022	16663																										
04/09/17	Sun	0.00	264045 O	500	5249118 A	1126	1497397 A	1571	3137573 A	1901	6933 A	0	124818593 A	5922	934673 A	6	629	16023	16652																										
04/10/17	Mon	0.00	264545 O	505	5250244 A	2121	1498968 A	1375	3139474 A	1368	6933 A	0	124824515 A	9674	934679 A	255	778	13475	14253																										
04/11/17	Tue	0.00	265050 O	518	5252365 A	0	1500343 A	1375	3140842 A	1352	6933 A	1	124834189 A	7820	934934 A	5	564	13336	13900																										
04/12/17	Wed	0.00	265568 O	558	5252365 A	2444	1501718 A	1720	3143268 A	1368	6933 A	0	124842009 A	8250	934939 A	262	823	11549	12372																										
04/13/17	Thu	0.00	266126 O	561	5254809 A	0	1503438 A	832	3144620 A	2467	6939 A	0	124847009 A	8250	934939 A	262	823	11549	12372																										
04/14/17	Fri	0.00	266687 O	530	5254809 A	2463	1504270 A	1773	3147087 A	1376	6939 A	0	124850259 A	6329	935201 A	22	552	11941	12493																										
04/15/17	Sat	0.00	267217 O	501	5257272 A	2257	1506043 A	892	3148463 A	1817	6939 A	0	124856588 A	5770	935223 A	124	625	10736	11361																										
04/16/17	Sun	0.00	267718 O	500	5259529 A	2257	1506935 A	892	3150280 A	1816	6939 A	0	124862358 A	5769	935347 A	124	624	10734	11358																										
04/17/17	Mon	0.00	268218 O	433	5261786 A	862	1507827 A	885	3152096 A	1220	6939 A	2	124868127 A	8047	935471 A	20	455	11014	11469																										
04/18/17	Tue	0.00	268651 O	439	5262648 A	0	1508712 A	885	3153316 A	1305	6941 A	1	124876174 A	5144	935491 A	12	452	7376	7828																										
04/19/17	Wed	0.00	269090 O	469	5262648 A	0	1509639 A	858	3154621 A	1253	6942 A	0	124881318 A	6024	935503 A	239	708	8135	8843																										
04/20/17	Thu	0.00	269559 O	454	5262648 A	7425	1510497 A	1360	3155874 A	1463	6942 A	26	124887298 A	5456	935742 A	13	493	15704	16197																										
04/21/17	Fri	0.00	270013 O	359	5270073 A	0	1511857 A	1360	3157337 A	1173	6968 A	0	124892798 A	5317	935755 A	17	376	6050	6426																										
04/22/17	Sat	0.00	270372 O	382	5270073 A	1317	1513217 A	835	3158501 A	1768	6968 A	0	124896315 A	5738	935772 A	124	506	9658	10164																										
04/23/17	Sun	0.00	270754 O	382	5271390 A	1317	1514052 A	835	3160278 A	1767	6968 A	0	124902053 A	5738	935886 A	123	505	9657	10162																										
04/24/17	Mon	0.00	271136 O	176	5272707 A	1856	1514887 A	976	3162045 A	1194	6968 A	0	124907791 A	4153	936019 A	13	189	8179	8368																										
04/25/17	Tue	0.00	271312 O	66	5274563 A	0	1515863 A	831	3163329 A	1164	6968 A	0	124911944 A	5609	936032 A	245	311	7604	7915																										
04/26/17	Wed	0.00	271378 O	161	5274563 A	0	1516694 A	808	3164403 A	1192	6968 A	0	124917553 A	5286	936277 A	27	236	7286	7474																										
04/27/17	Thu	0.00	271539 O	235	5274563 A	0	1517502 A	841	3165595 A	44	6968 A	0	124922839 A	5286	936277 A	27	236	7286	7474																										
04/28/17	Fri	0.00	271774 O	242	5274563 A	0	1518343 A	865	3165639 A	1183	6968 A	0	124924280 A	3968	936305 A	3	245	6016	6261																										
04/29/17	Sat	0.00	272016 O	194	5274563 A	2106	1519208 A	905	3166822 A	1186	6968 A	0	124928248 A	4821	936308 A	133	327	9018	9345																										
04/30/17	Sun	0.00	272210 O	193	5276669 A	2105	1520113 A	904	3168008 A	1185	6968 A	0	124933069 A	4821	936441 A	132	325	9015	9340																										
Unmetered Effluent flow for the month			272403		5278774		1521017		3169193		6968		124937890		936573																														
TOTAL			2.50									35		222984		3088		15906	342716	358622																									

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## CITRUS COUNTY CENTRAL LANDFILL

PHASE 1 AND 1A										PHASE 2										PHASE 3										TOTAL PHASE 1, 1-A, 2 & 3			
DATE	DAY	RAIN IN INCHES	80-1 (S) P O LS METER C	Secondary 80-1 (S) FLOW GAL	80-2 (P) P O LS METER C	Primary 80-2 (P) FLOW GAL	80-1 (P) P O LS METER C	Primary 80-1 (P) FLOW GAL	80-2 (P) P O LS METER C	Primary 80-2 (P) FLOW GAL	80-3 (S) P O LS METER C	Secondary 80-3 (S) FLOW GAL	80 (P-1) P O LS METER C	Primary 80 (P-1) FLOW GAL	80 (P-2) P O LS METER C	Secondary 80 (P-2) FLOW GAL	80 ACRE TOTAL SECONDARY	80 ACRE TOTAL PRIMARY	80 ACRE TOTAL FLOW GALLONS														
06/01/17	Thu	0.00	272848 O	0	5317246 A	2206	1547178 A	838	3205508 A	1192	7083 A	1	25081109 A	2838	939260 A	18	19	703	7074	7093													
06/02/17	Fri	0.00	272848 O	0	5319452 A	1918	1548016 A	822	3206700 A	1165	7084 A	2	25083947 A	0	939268 A	234	236	3905		4141													
06/03/17	Sat	0.00	272848 O	0	5321370 A	1127	1548838 A	845	3207865 A	1148	7086 A	34	25083947 A	5813	939502 A	18	52	8965	8933														
06/04/17	Sun	0.40	272848 O	0	5322497 A	1127	1549683 A	844	3209013 A	1147	7120 A	33	25089760 A	5813	939520 A	17	50	8981	8933														
06/05/17	Mon	0.20	272848 O	0	5323624 A	2387	1550527 A	833	3210160 A	2310	7153 A	9	25095573 A	8435	939537 A	24	33	13965	8931														
06/06/17	Tue	0.50	272848 O	0	5326011 A	2277	1551360 A	828	3212470 A	1151	7162 A	3	25104008 A	5788	939561 A	231	234	13998	10044														
06/07/17	Wed	1.80	272848 O	0	5328288 A	1912	1552188 A	1642	3213621 A	1191	7165 A	16	25109796 A	9955	939792 A	13	29	10278	10044														
06/08/17	Thu	0.10	272848 O	0	5330200 A	0	1553830 A	846	3214812 A	2266	7181 A	6	25119751 A	14912	939805 A	38	44	14729	14700														
06/09/17	Fri	0.00	272848 O	0	5330200 A	0	1554676 A	1615	3217108 A	1184	7187 A	6	25134663 A	11511	939843 A	248	254	18098	18054														
06/10/17	Sat	1.50	272848 O	0	5330200 A	787	1556291 A	3675	3218292 A	4974	7193 A	26	25146174 A	38431	940091 A	1964	1990	14564	14310														
06/11/17	Sun	1.60	272848 O	0	5330987 A	786	1559966 A	3674	3223266 A	4973	7219 A	26	25184605 A	38431	942055 A	1964	1990	14564	14310														
06/12/17	Mon	0.00	272848 O	0	5331773 A	2318	1563640 A	5742	3228239 A	8561	7245 A	39	2523036 A	50189	944018 A	1963	1989	147864	47864														
06/13/17	Tue	0.20	272848 O	0	5334091 A	2424	1569382 A	3555	3236820 A	8561	7245 A	39	2523036 A	50189	944018 A	1963	1989	147864	47864														
06/14/17	Wed	0.30	272848 O	0	5336515 A	2415	1575708 A	3191	3240454 A	4632	7297 A	9	25297777 A	25497	947292 A	746	755	34958	34165														
06/15/17	Thu	0.00	272848 O	0	5336515 A	2415	1575708 A	3191	3240454 A	4632	7297 A	9	25297777 A	25497	947292 A	746	755	34958	34165														
06/16/17	Fri	0.00	272848 O	0	5338930 A	10	1578899 A	1814	3248538 A	3303	7319 A	20	25340421 A	17147	948290 A	252	265	32900	26205														
06/17/17	Sat	0.00	272848 O	0	5338930 A	10	1578899 A	1814	3248538 A	3303	7319 A	20	25340421 A	17147	948290 A	252	265	32900	26205														
06/18/17	Sun	0.90	30 O	30	5338940 A	33	1580713 A	2094	3251841 A	2854	7339 A	9	2536980 A	17606	948590 A	397	436	22587	22587														
06/19/17	Mon	0.50	30 O	30	5338973 A	33	1582807 A	2093	3254695 A	2854	7348 A	8	25374586 A	17605	948984 A	397	435	23020	22587														
06/20/17	Tue	0.00	60 O	0	5339006 A	34	1584900 A	2369	3257549 A	2413	7356 A	8	25392191 A	17835	949384 A	510	518	23169	22651														
06/21/17	Wed	0.70	60 O	0	5339040 A	2437	1587269 A	173	3259962 A	3894	7364 A	7	25410026 A	17315	949894 A	280	287	23819	22651														
06/22/17	Thu	0.30	60 O	0	5341477 A	2655	1587442 A	72	3263856 A	4222	7371 A	9	25427341 A	16559	950177 A	533	542	23819	22651														
06/23/17	Fri	0.00	60 O	0	5341477 A	2655	1587442 A	72	3263856 A	4222	7371 A	9	25427341 A	16559	950177 A	533	542	23819	22651														
06/24/17	Sat	0.00	60 O	0	5341477 A	2655	1587442 A	72	3263856 A	4222	7371 A	9	25427341 A	16559	950177 A	533	542	23819	22651														
06/25/17	Sun	0.00	60 O	0	5346149 A	841	1587682 A	77	3278331 A	4058	7747 A	71	25460107 A	15901	951018 A	329	400	23860	23341														
06/26/17	Mon	0.00	60 O	0	5346990 A	841	1587759 A	77	3282389 A	4058	7818 A	38	25476008 A	14360	951347 A	297	335	19336	23341														
06/27/17	Tue	0.70	178 O	28	5350449 A	2618	1587836 A	46	3286447 A	4297	7894 A	1	25504727 A	10669	951940 A	234	263	19335	19335														
06/28/17	Wed	0.20	206 A	494	5352813 A	2364	1587882 A	64	3289169 A	4297	7894 A	0	25515396 A	9766	952174 A	235	353	16055	16055														
06/29/17	Thu	1.70	700 A	91	5352813 A	1554	1587946 A	52	3293466 A	2739	7894 A	0	25525162 A	13135	952409 A	237	263	16491	16491														
06/30/17	Fri	0.20	791 O	11	5354367 A	2061	1588102 A	104	3296205 A	4340	7894 A	16	25538297 A	13657	952409 A	1006	731	16657	15926														
07/01/17	Sat		802		5356428		1588210	108	3300545 A	6453	7910 A	20	25551954 A	23565	953652 A	1193	1224	16657	15926														
Unmetered Effluent flow for the month																																	
TOTAL		11.80		802		39182		41032		101490		847		494410	15595	17244	676114	693358															

POC - PUMP OPERATION CODE

A - AUTOMATIC

M - MANUAL

O - OFF