

Smith, George

From: Ray Oates <ray.oates@citrusbocc.com>
Sent: Monday, October 16, 2017 9:49 AM
To: SWD_Waste; Black, Alexis
Cc: Henry C. Norris; LARRY J. BROCK; Troy Hays
Subject: WACS ID 39859, Citrus County Central Landfill 3rd Quarter Leachate Generation Report
Attachments: Leachate Generation 3rd Quarter 2017.pdf

Dear Ms. Black:

Attached please find the 3rd Quarter Leachate Generation Report for the Citrus County Central Landfill.

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

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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

email: landfillinfo@citrusbocc.com

TDD Telephone: (352) 527-5303

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

October 12, 2017

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

Re: **Citrus County Central Landfill - Permit No. 21375-025-SO/018-01**
2017 3rd Quarter Leachate Generation and Daily Precipitation Report
WACS I.D. # 39859

Dear Ms. Black:

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 3rd Quarter of 2017.

Phase 1, 2 and 3 Secondary System exceedances occurred in August after Hurricane Irma. Phase 3 Secondary System exceedances occurred during each month of the reporting period.

The landfill operated from September 11th to the 14th, 2017 on emergency power. Emergency transportation of 389,000 gallons of treated leachate occurred from September 12th to the 20th, 2017. Secondary System exceedances in Phase 2 and 3 returned to within permit allowances on September 30th, 2017.

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

Sincerely,

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

HCN:ro
Enclosures

CC: Larry Brock, Interim Director, Department of Public Works (Electronic)
Troy Hays, Senior Manager/VP, Jones Edmunds & Associates – Gainesville Office (Electronic)

CITRUS COUNTY CENTRAL LANDFILL

TOTAL PHASE 1, 1-A, 2 & 3																	
PHASE 1 AND 1A										PHASE 2				PHASE 3			
DATE	DAY	INCHES	80-1 (S) LS METER	Secondary 80-1 (S) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (P) FLOW GAL	80-1 (P) LS METER	Primary 80-1 (P) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (P) FLOW GAL	80-3 (S) LS METER	Secondary 80-3 (S) FLOW GAL	80 (P-1) LS METER	Primary 80 (P-1) FLOW GAL	80 (P-2) LS METER	Secondary 80 (P-2) FLOW GAL	
07/01/17	Sat	0.00	802	5	5356428	967	1588210	88	3306998	4615	7930	10	25575549	17836	954845	518	
07/02/17	Sun	0.00	807	5	5357395	966	1588298	87	3311613	4614	7940	10	25593385	17836	955363	518	
07/03/17	Mon	0.00	812	86	5358361	2073	1588385	82	3316227	5390	7950	21	25611221	17887	955881	332	
07/04/17	Tue	0.02	898	11	5360434	0	1588467	67	3321617	4378	7971	6	25629108	12970	956213	263	
07/05/17	Wed	0.02	909	7	5360434	2022	1588534	101	3325995	3931	7977	12	25642078	12491	956476	323	
07/06/17	Thu	0.00	916	15	5362456	1170	1588635	79	3329926	4334	7989	9	25654569	13086	956799	261	
07/07/17	Fri	2.20	931	17	5363626	156	1588714	90	3334260	3822	7998	9	25667655	12532	957060	1498	
07/08/17	Sat	0.02	948	18	5363782	5641	1588804	146	3338082	6271	8007	27	25680187	17036	958558	1540	
07/09/17	Sun	0.06	966	18	5369423	5640	1588950	146	3344353	6270	8034	26	25697223	17036	960098	1540	
07/10/17	Mon	0.20	984	48	5375063	1996	1589096	94	3350623	3881	8060	14	25714259	21341	961638	714	
07/11/17	Tue	0.10	1032	249	5377059	0	1589190	54	3354504	4238	8074	5	25735600	7708	962352	470	
07/12/17	Wed	0.30	1281	18	5377059	0	1589244	73	3358742	3795	8079	8	25743308	11950	962822	465	
07/13/17	Thu	0.00	1299	9	5377059	1621	1589317	80	3362537	4171	8087	11	25755258	15606	963287	470	
07/14/17	Fri	0.00	1308	12	5378680	0	1589397	51	3366708	2685	8098	4	25770864	11531	963757	487	
07/15/17	Sat	0.45	1320	18	5378680	930	1589448	98	3369393	5351	8102	14	25782395	19452	964244	1178	
07/16/17	Sun	1.40	1338	18	5379610	929	1589546	98	3374744	5350	8116	13	25801847	19451	965422	1177	
07/17/17	Mon	1.80	1356	54	5380539	1824	1589644	147	3380094	6810	8129	19	25821298	36587	966599	2377	
07/18/17	Tue	0.20	1410	59	5382363	0	1589791	175	3386904	10239	8148	32	25857885	44959	968976	3704	
07/19/17	Wed	0.20	1469	58	5382363	1931	1589966	168	3397143	9683	8180	33	25902844	34011	972680	2865	
07/20/17	Thu	0.40	1527	62	5384294	1930	1590134	147	3406826	8367	8213	32	25936855	25966	975545	2590	
07/21/17	Fri	0.01	1589	51	5386224	0	1590281	86	3415193	5554	8245	9	25962841	21966	978135	1755	
07/22/17	Sat	0.00	1640	51	5386224	2132	1590367	100	3420747	6401	8254	19	25984807	19405	979890	1779	
07/23/17	Sun	1.00	1691	51	5388356	2131	1590467	100	3427148	6400	8273	18	26004212	19405	981669	1778	
07/24/17	Mon	0.30	1742	52	5390487	0	1590567	87	3433548	6726	8291	12	26023617	21484	983447	2081	
07/25/17	Tue	0.01	1794	58	5390487	1894	1590654	128	3440274	8357	8303	18	26045101	22524	985528	1866	
07/26/17	Wed	0.00	1852	50	5392381	2167	1590782	98	3448631	5609	8321	21	26067625	15828	987394	1227	
07/27/17	Thu	0.00	1902	43	5394548	2036	1590880	98	3454240	5651	8342	14	26083453	16118	988621	811	
07/28/17	Fri	0.00	1945	50	5396584	1943	1590978	98	3459891	5682	8356	16	26099571	13448	989432	808	
07/29/17	Sat	0.19	1995	49	5398527	1065	1591076	114	3465573	7101	8372	18	26113019	16513	990240	1261	
07/30/17	Sun	1.70	2044	49	5398527	1065	1591190	114	3472674	7101	8390	17	26129532	16512	991501	1261	
07/31/17	Mon	0.10	2093	28	5400657	0	1591304	90	3479775	7287	8407	13	26146044	19212	992762	1911	
08/01/17	Tue		2121		5400657		1591394		3487062		8420		26165256		994673		
TOTAL		10.68		1319		44229		3184		180064		490		589707		39828	41637
																	817184
																	858821

Reviewed

Heidy C. Norris Jr.

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) LS METER	Secondary 80-1 (S) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (P) FLOW GAL	80-1 (P) LS METER	Primary 80-1 (P) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (P) FLOW GAL	80-3 (S) LS METER	Secondary 80-3 (S) FLOW GAL	80 (P-1) LS METER	Primary 80 (P-1) FLOW GAL	80 (P-2) LS METER	Secondary 80 (P-2) FLOW GAL	80 ACRE TOTAL SECONDARY	80 ACRE TOTAL PRIMARY	80 ACRE TOTAL FLOW GALLONS													
08/01/17	Tue	0.04	2121	6	5400657	0	1591394	82	3487062	6773	8420	46	26165256	17540	994673	1719		1771	24395	26166												
08/02/17	Wed	1.10	2127	16	5400657	1	1591476	143	3493835	8419	8466	0	26182796	21374	996392	1841		1857	29937	31794												
08/03/17	Thu	0.02	2143	12	5400658	0	1591619	83	3502254	7209	8466	0	26204170	20689	998233	1866		1878	27981	29859												
08/04/17	Fri	0.00	2155	3	5400658	0	1591702	88	3509463	6793	8466	0	26224859	18681	1000099	1417		1420	25562	26982												
08/05/17	Sat	0.00	2158	7	5400658	0	1591790	87	3516256	5635	8466	0	26243540	16064	1001516	801		808	21786	22594												
08/06/17	Sun	0.00	2165	4	5400658	0	1591877	74	3521891	5624	8466	0	26259604	14260	1002317	602		606	19958	20564												
08/07/17	Mon	1.00	2169	16	5400658	0	1591951	71	3527515	5662	8466	0	26273864	16845	1002919	1187		1203	22578	23781												
08/08/17	Tue	0.04	2185	5	5400658	0	1592022	107	3533177	7209	8466	16	26290709	18099	1004106	1182		1203	25415	26618												
08/09/17	Wed	0.30	2190	258	5400658	18885	1592129	266	3540386	9542	8482	83	26308808	16201	1005288	1015		1356	44894	46250												
08/10/17	Thu	0.00	2448	53	5419543	21196	1592395	302	3549928	11136	8565	97	26325009	16014	1006303	686		836	48648	49484												
08/11/17	Fri	0.70	2501	36	5440739	7322	1592697	101	3561064	5708	8662	39	26341023	16119	1006989	1073		1148	29250	30398												
08/12/17	Sat	0.00	2537	33	5448061	14134	1592798	264	3566772	9232	8701	83	26357142	16028	1008062	1296		1412	39658	41070												
08/13/17	Sun	0.10	2570	33	5462195	14133	1593062	264	3576004	9231	8784	82	26373170	16028	1009358	1295		1410	39656	41066												
08/14/17	Mon	0.00	2603	31	5476328	10210	1593326	78	3585235	6958	8866	67	26389198	14915	1010653	1125		1223	32161	33384												
08/15/17	Tue	0.00	2634	33	5486538	13129	1593404	3	3592193	5177	8933	61	26404113	12975	1011778	594		688	31284	31972												
08/16/17	Wed	0.90	2667	33	5499667	0	1593407	0	3597370	7572	8933	1	26417088	15731	1012372	1177		1211	32303	32841												
08/17/17	Thu	0.20	2700	31	5499667	14787	1593407	0	3604942	7983	8995	0	26432819	14990	1013549	799		830	37760	38590												
08/18/17	Fri	0.90	2731	35	5514454	751	1593407	0	3612925	7255	8995	1	26447809	18835	1014348	980		1016	26841	27857												
08/19/17	Sat	0.00	2766	33	5515205	9212	1593407	0	3620180	7264	8996	0	26466644	18338	1015328	668		701	34814	35515												
08/20/17	Sun	0.00	2799	33	5524417	9212	1593407	0	3627444	7263	8996	1	26484982	18337	1015996	667		701	34812	35513												
08/21/17	Mon	0.00	2832	44	5533629	0	1593407	0	3634707	4657	8997	0	26503319	14393	1016663	576		620	19050	19670												
08/22/17	Tue	0.00	2876	44	5533629	11290	1593407	-12	3639364	6985	8997	0	26517712	13543	1017239	396		440	31806	32246												
08/23/17	Wed	0.00	2920	35	5544919	0	1593395	-11	3646349	3423	8997	0	26531255	6943	1017635	375		410	10355	10765												
08/24/17	Thu	0.00	2955	26	5544919	10637	1593384	9	3649772	8258	8997	0	26538198	25249	1018010	404		430	44153	44583												
08/25/17	Fri	0.00	2981	33	5555556	10448	1593393	-4	3658030	5568	8997	0	26563447	8040	1018414	399		432	24052	24484												
08/26/17	Sat	0.00	3014	29	5566004	5762	1593389	1	3663598	5085	8997	0	26571487	12190	1018813	289		318	23038	23366												
08/27/17	Sun	0.00	3043	28	5571766	5761	1593390	1	3668683	5085	8997	0	26583677	12189	1019102	289		317	23036	23363												
08/28/17	Mon	0.30	3071	31	5577527	0	1593391	0	3673768	2632	8997	0	26595866	0	1019391	191		222	2632	2854												
08/29/17	Tue	1.40	3102	60	5577527	0	1593391	-7	3676400	5877	8997	1	26595866	29051	1019582	402		463	34921	35384												
08/30/17	Wed	0.00	3162	29	5577527	0	1593384	-1	3682277	3894	8998	7	26624917	9199	1019984	401		437	13092	13529												
08/31/17	Thu	1.20	3191	38	5577527	6746	1593383	-2	3686171	5683	9005	3	26634116	27963	1020385	608		649	40390	41039												
09/01/17	Fri		3229		5584273	-5584273	1593381		3691854		9008		26662079		1020993																	
TOTAL		8.20		1108		183616		1987		204792		588		496823		26320		28016	887278	915234												

Reviewed

Henry C. Norris Jr.

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) LS METER	Secondary 80-1 (S) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (P) FLOW GAL	80-1 (P) LS METER	Primary 80-1 (P) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (P) FLOW GAL	80-3 (S) LS METER	Secondary 80-3 (S) FLOW GAL	80 (P-1) LS METER	Primary 80 (P-1) FLOW GAL	80 (P-2) LS METER	Secondary 80 (P-2) FLOW GAL	80 ACRE TOTAL SECONDARY	80 ACRE TOTAL PRIMARY	80 ACRE TOTAL FLOW GALLONS													
09/01/17	Fri	0.50	3229	70	5584273	4042	1593381	-8	3691854	7114	9008	0	26662079	25116	1020993	784	854	36264	37118													
09/02/17	Sat	0.00	3299	46	5588315	6514	1593373	-7	3698968	6334	9008	0	26687195	21182	1021777	770	816	34023	34839													
09/03/17	Sun	0.30	3345	45	5594829	6514	1593366	-7	3705302	6333	9008	0	26708377	21182	1022547	769	814	34022	34836													
09/04/17	Mon	0.00	3390	37	5601343	3247	1593359	-5	3711635	5220	9008	0	26729559	15105	1023316	377	414	23567	23981													
09/05/17	Tue	0.60	3427	24	5604590	5843	1593354	-7	3716855	7278	9008	2	26744664	19986	1023693	379	405	33100	33505													
09/06/17	Wed	0.00	3451	32	5610433	3208	1593343	-4	3724133	7482	9010	1	26764650	10150	1024072	377	410	20836	21246													
09/07/17	Thu	0.00	3483	23	5613641	2970	1593336	-7	3731615	4431	9011	1	26774800	11103	1024449	376	400	18497	18897													
09/08/17	Fri	0.00	3506	21	5616611	0	1593336	-9	3736046	5153	9012	0	26785903	12972	1024825	368	389	18116	18505													
09/09/17	Sat	0.00	3527	25	5616611	2043	1593327	-8	3741199	5153	9012	2450	26785903	29196	1025193	2461	4936	44407	49343													
09/10/17	Sun	0.00	3552	25	5618654	2043	1593319	-8	3754375	13176	1462	2450	26828071	29196	1027654	2461	4936	44407	49343													
09/11/17	Mon	3.70	3577	25	5620697	2043	1593311	-8	3767551	13176	13912	2450	26857267	29196	1030115	2461	4936	44407	49343													
09/12/17	Tue	8.00	3602	25	5622740	2043	1593303	-8	3780727	13176	16362	2450	26886463	29196	1032576	2461	4936	44407	49343													
09/13/17	Wed	0.00	3627	22	5624783	2046	1593295	-8	3793903	13174	18812	2449	26915659	29196	1035037	3182	5653	44408	50061													
09/14/17	Thu	0.00	3649	955	5626829	14122	1593287	-13	3807077	349	21261	2961	26944855	0	1038219	0	3916	14458	18374													
09/15/17	Fri	0.20	4604	930	5640951	20102	1593274	-37	3820426	24584	27183	2961	26944855	230	1038219	36	1569	21569	23138													
09/16/17	Sat	0.00	5534	1533	5661053	21035	1593237	-66	3832380	370	27183	0	26944855	230	1038255	35	1569	21569	23137													
09/17/17	Sun	0.00	7067	1534	5682088	21034	1593171	-66	3832380	370	27183	0	26944855	230	1038219	0	3891	44649	48540													
09/18/17	Mon	0.00	8601	1366	5703122	20118	1593105	-46	3832750	390	27183	1096	26945315	8398	1038290	1177	1569	21569	23137													
09/19/17	Tue	0.00	9667	863	5723240	24364	1593059	-25	3902359	105966	44037	9128	27059841	30110	1053117	3704	1659	21569	23137													
09/20/17	Wed	0.00	10830	209	5747604	16709	1593034	-9	4008325	147017	53165	3546	27089941	1168	1056821	7707	11529	167510	179039													
09/21/17	Thu	0.00	11039	276	5764313	19333	1593009	-8	4008325	147017	53165	3546	27089941	1168	1056821	7707	11529	167510	179039													
09/22/17	Fri	0.00	11315	150	5783646	19333	1593001	-9	4155342	115328	56711	1906	27091109	1168	1064528	7707	9763	135820	145583													
09/23/17	Sat	0.00	11455	112	5802979	19333	1592992	-9	4270670	125639	58617	1263	27092277	1168	1072235	7707	9082	146131	155213													
09/24/17	Sun	0.00	11577	112	5822312	19332	1592983	-9	4396309	125638	59880	1262	27093445	1168	1077649	7707	9081	146129	155210													
09/25/17	Mon	0.00	11689	105	5841644	6330	1592974	-4	4521947	121841	61142	908	27094613	42452	1095358	3009	8722	129334	138056													
09/26/17	Tue	0.00	11794	86	5847974	1387	1592970	-18	4643788	98803	62050	744	27095780	42452	1095358	3009	8722	129334	138056													
09/27/17	Wed	0.00	11880	87	5849361	9684	1592962	-43	4742591	48281	62794	819	27138232	50240	1098367	2379	3839	142624	146463													
09/28/17	Thu	0.00	11967	75	5859045	1697	1592909	-37	4790872	34918	63613	660	27188472	63732	1100746	1487	3285	108162	111447													
09/29/17	Fri	0.00	12042	63	5860742	10417	1592872	-56	4825790	27351	64273	670	27252204	372	1102233	1286	2019	100310	102532													
09/30/17	Sat	0.00	12105	62	5871159	6331	1592816	-96	4853141	18351	64943	588	27252576	10578	1103519	850	1500	35164	36664													
10/01/17	Sun		12167		5877490		1592720		4871492		65531		27263154		1104369																	
TOTAL		13.30		8938		293217		-661		1179638		56523		601075		83376	148837	2073269	2222106													

Reviewed

Henry C. Norris Jr.