

Johnson, Sabrina O

From: Ray Oates <ray.oates@citrusbocc.com>
Sent: Friday, July 5, 2019 12:12 PM
To: Morgan, Steve; SWD_Waste
Cc: Henry C. Norris; Dan S. Sherlock; Troy Hays
Subject: WACS ID#39859, Citrus County Central Landfill, 2nd Quarter 2019 Leachate Generation and Daily Rain Report
Attachments: 2019 2nd Qtr Leachate Rpt WACS #39859.pdf

Mr. Morgan:

Attached please find our 2019 2nd Quarter Leachate Generation and Daily Rain Report. No exceedances were reported during the reporting period.

Should you have any questions regarding this matter, please do not hesitate to contact me.

Regards,

Ray Oates, PQ

Solid Waste Compliance Manager
Citrus County Division of Solid Waste Management
230 W. Gulf to Lake Highway
Lecanto, FL 34461

Phone: 352-527-7679 Fax: 352-527-7672

Email: ray.oates@citrusbocc.com

FTP: <https://clicktime.symantec.com/3SNAiNpS96yiouz xvTwKyNx7Vc?u=www.share.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

July 5, 2019

Mr. Steve Morgan
Air & Solid Waste Permitting Manager
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**
2019 Second Quarter Leachate Generation and Daily Precipitation Report
WACS I.D. # 39859

Dear Mr. Morgan:

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 second quarter of 2019.

There were no exceedances during the reporting period.

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

Sincerely,

Henry C. Norris Jr.
Solid Waste Management Director

Enclosures (3)

Scanned to E-Bridge

Date 7/5/19

Initials RD

Solid Waste Management

Submitted Electronically

SWD_Waste@dep.state.fl.us

Addresses & cc

Date: 7/5/19

Initials RD

CITRUS COUNTY CENTRAL LANDFILL

			PHASE 1 AND 1A						PHASE 2						PHASE 3				7 ACRE		TOTAL	Force Main Flow	
		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	LIFT STATION #5 (P)	LIFT STATION FLOW GAL	2, 3, MASTER LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL		
06/01/19	Sat	0.00	47644	0	7126926	0	1584233	-2	9088510	4526	90318	11	31259861	7728	1273430	92	4052903	0	12355	1205	18000		
06/02/19	Sun	0.00	47644	0	7126926	0	1584231	-2	9093036	4525	90329	11	31267589	7727	1273522	92	4052903	0	12353	1223	17000		
06/03/19	Mon	0.50	47644	0	7126926	0	1584229	2	9097561	4236	90340	11	31275316	109	1273614	1	4052903	0	12353	1240	0		
06/04/19	Tue	0.00	47644	0	7126926	0	1584231	3	9101797	3241	90351	17	31275425	20	1273615	0	4052903	0	3261	1240	0		
06/05/19	Wed	0.20	47644	0	7126926	0	1584234	0	9105038	2330	90368	14	31275425	20	1273615	0	4052903	0	2364	1240	0		
06/06/19	Thu	0.30	47644	0	7126926	0	1584234	4	9107368	3857	90382	23	31275445	10643	1273615	314	4052903	0	14841	1240	24000		
06/07/19	Fri	0.70	47644	31	7126926	0	1584238	-7	9111225	3251	90405	19	31286088	6834	1273929	172	4052903	0	10300	1264	10000		
06/08/19	Sat	0.00	47675	22	7126926	0	1584231	-2	9114476	3031	90424	19	31292922	7119	1274101	0	4052903	0	10189	1274	9000		
06/09/19	Sun	1.30	47697	21	7126926	0	1584229	-2	9117507	3030	90443	18	31300041	7118	1274101	1	4052903	0	10186	1283	9000		
06/10/19	Mon	0.20	47718	17	7126926	0	1584227	-3	9120537	3530	90461	24	31307159	7347	1274102	191	4052903	0	11106	1292	12000		
06/11/19	Tue	0.30	47735	16	7126926	0	1584224	-25	9124067	2918	90485	6	31314506	9852	1274293	185	4052903	0	12952	1304	0		
06/12/19	Wed	0.80	47751	20	7126926	0	1584199	-31	9126985	1902	90491	6	31324358	16394	1274478	191	4052903	0	18482	1304	40000		
06/13/19	Thu	1.20	47771	36	7126926	0	1584168	-2	9128887	6562	90497	5	31340752	3303	1274669	190	4052903	0	10094	1344	4000		
06/14/19	Fri	0.00	47807	26	7126926	0	1584166	-21	9135449	3688	90502	10	31344055	12147	1274859	377	4052903	0	16227	1348	12000		
06/15/19	Sat	0.00	47833	33	7126926	0	1584145	-21	9139137	4654	90512	12	31356202	11540	1275236	196	4052903	0	16414	1360	18000		
06/16/19	Sun	0.60	47866	32	7126926	0	1584124	-22	9143791	4653	90524	12	31367742	11539	1275432	195	4052903	1	16410	1378	18000		
06/17/19	Mon	0.60	47898	38	7126926	0	1584102	-13	9148444	4756	90536	14	31379281	13962	1275627	365	4052904	0	19122	1396	13000		
06/18/19	Tue	2.10	47936	29	7126926	0	1584089	-9	9153200	7661	90550	20	31393243	16786	1275992	554	4052904	0	25041	1409	32000		
06/19/19	Wed	0.30	47965	26	7126926	0	1584080	-9	9160861	6957	90570	17	31410029	19835	1276546	615	4052904	0	27441	1441	32000		
06/20/19	Thu	0.00	47991	8	7126926	0	1584071	-3	9167818	6946	90587	17	31429864	18375	1277161	385	4052904	0	25728	1473	24000		
06/21/19	Fri	0.00	47999	15	7126926	0	1584068	-25	9174764	5420	90604	14	31448239	12677	1277546	204	4052904	0	18305	1497	13000		
06/22/19	Sat	0.00	48014	16	7126926	0	1584043	-17	9180184	5789	90618	14	31460916	12592	1277750	102	4052904	0	18496	1510	18000		
06/23/19	Sun	0.00	48030	17	7126926	0	1584026	-16	9185973	5789	90632	14	31473508	12592	1277852	101	4052904	0	18497	1528	19000		
06/24/19	Mon	0.00	48047	16	7126926	0	1584010	-73	9191762	4990	90646	10	31486100	8279	1277953	206	4052904	0	13428	1547	0		
06/25/19	Tue	0.00	48063	23	7126926	0	1583937	7	9196752	6967	90656	40	31494379	11413	1278159	216	4052904	0	18666	1547	30000		
06/26/19	Wed	0.00	48086	16	7126926	0	1583944	15	9203719	6061	90696	35	31505792	8473	1278375	0	4052904	0	14600	1577	11000		
06/27/19	Thu	0.00	48102	17	7126926	0	1583959	6	9209780	5821	90731	36	31514265	11190	1278375	192	4052904	0	17262	1588	16000		
06/28/19	Fri	0.40	48119	32	7126926	0	1583965	6	9215601	5633	90767	35	31525455	8686	1278567	207	4052904	0	14599	1604	13000		
06/29/19	Sat	0.00	48151	31	7126926	0	1583971	2	9221234	6231	90802	26	31534141	13911	1278774	105	4052904	0	20306	1617	19000		
06/30/19	Sun	0.50	48182	31	7126926	0	1583973	2	9227465	6230	90828	25	31548052	13910	1278879	105	4052904	0	20303	1636	19000		
07/01/19	Mon		48213		7126926		1583975		9233695		90853		31561962		1278984		4052904		1655				
TOTAL		10.00		569		0		-258		145185		535		302101		5554						450000	

Leachate Action Rates:
Phase 1/1A - 630 gpd
Phase 2 - 600 gpd
Phase 3 - 680 gpd
Total 1,719

Start Leachate in Storage

92,003
GALLONS

End Leachate in Storage

86,715
GALLONS

REVIEWED BY
Henry G. Norris Jr.

CITRUS COUNTY CENTRAL LANDFILL

PHASE 1 AND 1A				PHASE 2				PHASE 3				7 ACRE		TOTAL	Force Main Flow						
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) 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	LIFT STATION #5 (P)	LIFT STATION FLOW GAL	2, 3, MASTER LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL	
04/01/19	Mon	0.60	46204	68	7050711	3321	1584707	-14	8902753	2904	89320	9	30939430	5358	1269796	0	4052886	1	11647	639	15000
04/02/19	Tue	0.20	46272	80	7054032	0	1584693	1	8905657	3282	89329	14	30944788	3689	1269796	182	4052887	0	7248	654	8000
04/03/19	Wed	0.00	46352	48	7054032	3187	1584694	-11	8908939	2953	89343	17	30948477	3708	1269978	1	4052887	0	9903	662	8000
04/04/19	Thu	0.30	46400	16	7057219	3605	1584683	-9	8911892	3381	89360	18	30952185	3817	1269979	0	4052887	1	10829	670	9000
04/05/19	Fri	0.00	46416	22	7060824	0	1584674	-4	8915273	2864	89378	14	30956002	5865	1269979	0	4052888	0	8761	679	8000
04/06/19	Sat	0.00	46438	12	7060824	3374	1584670	-15	8918137	3283	89392	19	30961867	3806	1269979	95	4052888	0	10574	687	8000
04/07/19	Sun	0.00	46450	12	7064198	3373	1584655	-15	8921420	3283	89411	18	30965673	3805	1270074	94	4052888	0	10570	699	12000
04/08/19	Mon	0.20	46462	11	7067571	2351	1584640	-13	8924703	3222	89429	18	30969478	5548	1270168	0	4052888	1	11138	711	7000
04/09/19	Tue	0.20	46473	18	7069922	0	1584627	-3	8927925	3036	89447	18	30975026	5448	1270168	0	4052889	1	8518	718	7000
04/10/19	Wed	0.00	46491	26	7069922	3331	1584624	-9	8930961	3232	89465	19	30980474	3749	1270168	1	4052890	0	10349	725	8000
04/11/19	Thu	0.00	46517	18	7073253	2868	1584615	-13	8934193	3231	89484	22	30984223	3745	1270169	193	4052890	1	10065	733	8000
04/12/19	Fri	0.00	46535	14	7076121	351	1584602	-7	8937424	2414	89506	10	30987968	3744	1270362	0	4052891	0	6526	741	9000
04/13/19	Sat	0.00	46549	17	7076472	2373	1584595	-6	8939838	3049	89516	18	30991712	4568	1270362	0	4052891	0	10019	750	9000
04/14/19	Sun	2.50	46566	16	7078845	2373	1584589	-7	8942887	3048	89534	17	30996280	4567	1270362	0	4052891	0	10014	760	9000
04/15/19	Mon	0.00	46582	64	7081218	2185	1584582	-5	8945935	2398	89551	10	31000847	3821	1270362	191	4052891	0	8473	769	9000
04/16/19	Tue	0.00	46646	50	7083403	2692	1584577	-15	8948333	3093	89561	14	31004668	3740	1270362	0	4052891	0	9766	774	11000
04/17/19	Wed	0.00	46696	21	7086095	0	1584562	-5	8951426	2320	89575	12	31008408	5590	1270553	0	4052892	1	9766	774	11000
04/18/19	Thu	0.00	46717	10	7086095	6268	1584557	-28	8953746	4350	89587	30	31013998	3608	1270553	0	4052892	2	7938	785	4000
04/19/19	Fri	2.00	46727	38	7092363	45	1584529	1	8958096	2781	89617	14	31017606	5680	1270553	0	4052892	0	7938	785	4000
04/20/19	Sat	0.00	46765	80	7092408	312	1584530	-8	8960877	2271	89631	9	31023286	3814	1270553	97	4052894	0	8559	806	10000
04/21/19	Sun	0.00	46845	79	7092720	311	1584522	-8	8963148	2270	89640	9	31027100	3813	1270553	96	4052894	0	6575	816	5000
04/22/19	Mon	0.00	46924	67	7093031	3174	1584514	-21	8965418	2858	89649	16	31030913	3790	1270746	0	4052895	0	6571	821	5000
04/23/19	Tue	0.00	46991	54	7096205	3557	1584493	-26	8968276	3494	89665	23	31034703	3713	1270746	0	4052895	0	9884	826	10000
04/24/19	Wed	0.00	47045	36	7099762	3632	1584467	-15	8971770	3338	89688	21	31038416	5420	1270746	0	4052895	0	10815	836	10000
04/25/19	Thu	0.80	47081	17	7103394	0	1584452	-4	8975108	2630	89709	11	31043836	5589	1270746	184	4052895	0	12432	846	11000
04/26/19	Fri	0.20	47098	43	7103394	1417	1584448	-16	8977738	3102	89720	17	31049425	3806	1270930	0	4052897	2	8429	857	10000
04/27/19	Sat	0.00	47141	41	7104811	1237	1584432	-9	8980840	2789	89737	14	31053231	3798	1270930	0	4052897	0	8369	867	9000
04/28/19	Sun	0.00	47182	41	7106048	1236	1584423	-10	8983629	2789	89751	13	31057029	3798	1270930	0	4052897	0	7870	876	8000
04/29/19	Mon	0.00	47223	14	7107284	3081	1584413	-28	8986418	2898	89764	16	31060827	5514	1270930	186	4052897	0	7867	884	7000
04/30/19	Tue	0.00	47237	9	7110365	3120	1584385	-4	8989316	3025	89780	15	31066341	3648	1271116	1	4052897	0	11681	891	9000
05/01/19	Wed	7.00	47246	7113485	62774	-326	1584381	8992341	89795	475	130559	1321	1271117	4052897	11	271000		910		271000	

Leakage Action Rates:

Phase 1/1A - 930 gpd

Phase 2 - 600 gpd

Phase 3 - 680 gpd

Total 1719

Start Leachate in Storage

87,773
GALLONS

End Leachate in Storage

162,855
GALLONS

REVIEWED BY

Henry C. Norris Jr.

CITRUS COUNTY CENTRAL LANDFILL

			PHASE 1 AND 1A				PHASE 2				PHASE 3				7 ACRE		TOTAL	Force Main Flow				
		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	LIFT STATION #5 (P)	LIFT STATION FLOW GAL	2, 3, MASTER LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL	
05/01/19	Wed	0.00	47246	8	7113485	679	1584381	-3	8992341	3112	89795	14	31069989	3616	1271117	0	4052897	0	7426	910	11000	
05/02/19	Thu	1.10	47254	10	7114164	0	1584378	3	8995453	2741	89809	16	31073605	5652	1271117	0	4052897	1	8423	921	11000	
05/03/19	Fri	0.00	47264	10	7114164	0	1584381	-1	8998194	2496	89825	14	31079257	3780	1271117	0	4052898	0	6299	932	4000	
05/04/19	Sat	1.10	47274	12	7114164	1064	1584380	-18	9000690	3685	89839	22	31083037	6730	1271117	91	4052898	0	11586	936	17000	
05/05/19	Sun	1.00	47286	11	7115228	1064	1584362	-18	9004375	3685	89861	21	31089767	6729	1271208	90	4052898	0	11582	953	16000	
05/06/19	Mon	0.00	47297	25	7116292	0	1584344	3	9008060	2546	89882	12	31096496	6205	1271298	0	4052898	0	8791	969	4000	
05/07/19	Tue	0.00	47322	13	7116292	0	1584347	-7	9010606	2862	89894	14	31102701	7870	1271298	184	4052898	0	10936	973	10000	
05/08/19	Wed	0.00	47335	13	7116292	1346	1584340	-17	9013468	3780	89908	23	31110571	7805	1271482	0	4052898	1	12951	983	15000	
05/09/19	Thu	0.50	47348	10	7117638	0	1584323	-3	9017248	3063	89931	18	31118376	5784	1271482	179	4052899	0	9051	998	10000	
05/10/19	Fri	0.00	47358	9	7117638	1837	1584320	-14	9020311	3461	89949	20	31124160	6029	1271661	0	4052899	0	11342	1008	11000	
05/11/19	Sat	0.00	47367	11	7119475	1174	1584306	-8	9023772	3601	89969	20	31130189	6833	1271661	92	4052899	1	11724	1019	7000	
05/12/19	Sun	0.00	47378	10	7120649	1174	1584298	-9	9027373	3601	89989	20	31137022	6832	1271753	92	4052900	0	11720	1026	7000	
05/13/19	Mon	0.90	47388	19	7121823	0	1584289	-1	9030974	2913	90009	16	31143854	6129	1271845	191	4052900	0	9267	1033	21000	
05/14/19	Tue	0.00	47407	23	7121823	3077	1584288	-18	9033887	3505	90025	20	31149983	8122	1272036	0	4052900	0	14729	1054	14000	
05/15/19	Wed	0.00	47430	25	7124900	1781	1584270	-12	9037392	3651	90045	19	31158105	6013	1272036	183	4052900	0	11477	1068	9000	
05/16/19	Thu	0.00	47455	20	7126681	33	1584258	-3	9041043	3105	90064	16	31164118	6209	1272036	88	4052900	0	9563	1077	9000	
05/17/19	Fri	0.00	47475	34	7126714	158	1584255	0	9044148	3122	90080	16	31170327	6169	1272219	88	4052900	0	9499	1086	7000	
05/18/19	Sat	0.00	47509	27	7126872	26	1584255	-4	9047270	2987	90096	16	31176496	6184	1272219	88	4052900	0	9324	1093	10000	
05/19/19	Sun	0.00	47536	26	7126898	26	1584251	-4	9050257	2987	90112	15	31182680	6184	1272307	88	4052900	1	9323	1103	10000	
05/20/19	Mon	0.00	47562	13	7126924	2	1584247	-6	9053244	3094	90127	16	31188864	6295	1272395	174	4052901	0	9588	1113	4000	
05/21/19	Tue	0.00	47575	13	7126926	0	1584241	-5	9056338	3222	90143	15	31195159	6185	1272569	0	4052901	1	9431	1117	10000	
05/22/19	Wed	0.00	47588	14	7126926	0	1584236	-4	9059560	2154	90158	11	31201344	6350	1272569	167	4052902	0	8692	1127	9000	
05/23/19	Thu	0.00	47602	25	7126926	0	1584232	1	9061714	3009	90169	15	31207694	4237	1272736	168	4052902	0	7287	1136	6000	
05/24/19	Fri	0.00	47627	17	7126926	0	1584233	-2	9064723	3037	90184	17	31211931	5992	1272736	168	4052902	0	9229	1142	8000	
05/25/19	Sat	0.00	47644	0	7126926	0	1584231	0	9067760	2932	90201	15	31217923	6329	1272904	57	4052902	0	9333	1150	8000	
05/26/19	Sun	0.00	47644	0	7126926	0	1584231	-1	9070692	2931	90216	16	31224252	6328	1272961	57	4052902	0	9331	1158	7000	
05/27/19	Mon	0.30	47644	0	7126926	0	1584230	0	9073623	2931	90232	16	31230580	6328	1273018	57	4052902	0	9623	1165	7000	
05/28/19	Tue	0.00	47644	0	7126926	0	1584230	0	9076554	3253	90248	18	31236908	6165	1273075	187	4052902	0	9332	1172	7000	
05/29/19	Wed	0.00	47644	0	7126926	0	1584230	0	9079807	2931	90266	19	31243073	6389	1273262	0	4052902	1	9623	1180	5000	
05/30/19	Thu	0.00	47644	0	7126926	0	1584230	0	9082738	2963	90285	16	31249462	4238	1273262	0	4052903	0	7220	1185	13000	
05/31/19	Fri	2.00	47644	0	7126926	0	1584233	0	9085701	2809	90301	17	31253700	6161	1273262	168	4052903	0	9155	1198	7000	
06/01/19	Sat		47644		7126926		1584233		9088510		90318		31259961		1273430		4052903					
TOTAL			6.90	398		13441		-148		96169		523		189872		2313			6		1205	295000

Leakage Action Rates:
Phase 1/1A - 830 gpd
Phase 2 - 600 gpd
Phase 3 - 600 gpd
Total 1,719

Start Leachate in Storage

162,855
GALLONS

End Leachate in Storage

92,003
GALLONS

REVIEWED BY
Henry C. Morris Jr.