

Johnson, Sabrina O

From: Henry C. Norris <Henry.Norris@citrusbocc.com>
Sent: Wednesday, January 15, 2020 10:22 AM
To: Stev.Morgan@dep.state.fl.us; SWD_Waste
Cc: Troy Hays; Dan S. Sherlock
Subject: 2019 4th Qtr Leachate Rpt
Attachments: 2019 4th Qtr Leachate report WACS # 39859.pdf

Please see attached 2019 4th Qtr Rpt



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

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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

January 13, 2020

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 Fourth 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 fourth quarter of 2019.

Phase 3 had exceedance on 12/26/19 only.

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

Sincerely,

Henry C. Norris Jr.
Solid Waste Management Director

Enclosures (3)

CITRUS COUNTY CENTRAL LANDFILL

DATE	DAY	RAIN IN INCHES	PHASE 1 AND 1A		PHASE 2		PHASE 3			7 ACRE		TOTAL	Force Main Flow								
			80-1 (S) LS METER	80-1 (S) Secondary FLOW GAL	80-2 (P) LS METER	80-2 (P) Primary FLOW GAL	80-1 (P) LS METER	80-1 (P) Primary FLOW GAL	80-2 (P) LS METER	80-2 (P) Primary FLOW GAL	80-3 (S) Secondary FLOW GAL		80 (P-1) LS METER	80 (P-2) LS METER	80 (P-2) Secondary FLOW GAL	LIFT STATION #5 (P) METER	LIFT STATION FLOW GAL	2, 3, MASTER LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL	
12/01/19	Sun	0.00	64573	0	7270767	8	1582779	0	10086403	3506	94312	6	33072579	6475	1309490	102	4065643	0	10097	4369	12000
12/02/19	Mon	0.00	64573	242	7270775	61	1582779	-15	10089909	3174	94318	7	33079054	5887	1309592	2	4065643	0	9358	4381	0
12/03/19	Tue	0.00	64815	210	7270836	69	1582764	-4	10093083	3243	94325	8	33080481	5748	1309594	208	4065643	0	9512	4381	7000
12/04/19	Wed	0.00	65025	235	7270935	51	1582760	-3	10096326	2767	94333	7	33090689	5624	1309802	1	4065643	431	9113	4388	9000
12/05/19	Thu	0.00	65260	212	7270986	16	1582757	-12	10099093	3346	94340	7	33096613	5650	1309803	194	4066074	0	9413	4397	11000
12/06/19	Fri	0.00	65472	204	7271002	20	1582745	-60	10102439	4186	94347	23	33101963	5878	1309997	3	4066074	0	10254	4416	8000
12/07/19	Sat	0.00	65676	194	7271022	16	1582685	-31	10106825	3775	94370	21	33107841	5834	1310000	107	4066074	0	9916	4416	9000
12/08/19	Sun	0.00	65870	193	7271038	15	1582654	-31	10110400	3775	94391	20	33113675	5834	1310107	107	4066074	0	9913	4425	10000
12/09/19	Mon	0.00	66063	198	7271053	1	1582623	-1	10114175	3745	94411	20	33119509	5393	1310214	5	4066074	0	9361	4435	10000
12/10/19	Tue	0.00	66261	179	7271054	0	1582622	-5	10117920	3680	94431	19	33124902	5047	1310219	206	4066074	0	9126	4445	10000
12/11/19	Wed	0.00	66440	202	7271054	1	1582617	6	10121600	3252	94450	15	33129949	4965	1310425	0	4066074	433	8874	4455	9000
12/12/19	Thu	0.20	66642	194	7271055	0	1582623	-6	10124852	4089	94465	23	33134914	5622	1310425	2	4066507	0	9924	4464	8000
12/13/19	Fri	0.30	66836	196	7271055	0	1582617	-16	10128941	4971	94488	30	33140536	6101	1310427	208	4066507	344	11834	4472	8000
12/14/19	Sat	0.00	67032	200	7271055	13	1582601	5	10133912	3196	94518	15	33146637	5235	1310635	106	4066851	173	8943	4480	7000
12/15/19	Sun	0.00	67232	199	7271068	13	1582606	5	10137108	3195	94533	14	33151872	5234	1310741	106	4067024	173	8939	4487	7000
12/16/19	Mon	0.00	67431	186	7271081	1	1582611	12	10140303	3672	94547	19	33157106	5601	1310847	1	4067197	0	9492	4494	12000
12/17/19	Tue	1.30	67617	224	7271082	295	1582623	14	10143975	3385	94566	19	33162707	5572	1310848	107	4067197	393	10009	4506	5000
12/18/19	Wed	0.00	67841	224	7271377	294	1582637	14	10147360	3385	94585	18	33168279	5571	1310965	106	4067590	392	10004	4511	4000
12/19/19	Thu	0.00	68065	198	7271671	150	1582651	23	10150745	3334	94603	16	33173850	5625	1311061	1	4067982	345	9692	4515	14000
12/20/19	Fri	0.00	68253	196	7271821	1	1582674	13	10154079	3726	94619	18	33179475	6303	1311062	0	4068327	0	10257	4529	8000
12/21/19	Sat	0.00	68459	186	7271822	25	1582687	-12	10154785	4350	94637	27	33185778	6313	1311062	107	4068327	173	11169	4537	12000
12/22/19	Sun	0.00	68645	185	7271847	24	1582675	-13	10162155	4350	94664	27	33192091	6312	1311169	107	4068500	172	11164	4549	11000
12/23/19	Mon	0.30	68830	167	7271871	117	1582662	2	10166905	4262	94691	25	33198403	6839	1311276	422	4068672	781	12615	4560	10000
12/24/19	Tue	0.00	68997	197	7271988	32	1582664	8	10170767	4311	94716	24	33205242	8623	1311698	502	4069453	170	13667	4570	12000
12/25/19	Wed	0.00	69194	196	7272020	31	1582672	8	10175078	4310	94740	24	33213865	8622	1312200	501	4069623	170	13862	4582	12000
12/26/19	Thu	0.00	69390	164	7272051	1	1582680	5	10179388	3331	94764	19	33222487	7140	1312701	792	4069793	355	12007	4594	10000
12/27/19	Fri	0.00	69554	181	7272052	5	1582685	21	10182919	4081	94783	19	33229627	8177	1313493	592	4070148	0	13076	4604	12000
12/28/19	Sat	0.00	69735	192	7272057	0	1582706	-2	10187000	5102	94802	17	33237804	14414	1314085	306	4070148	394	20423	4616	16000
12/29/19	Sun	0.30	69927	191	7272057	0	1582704	-2	10192102	5101	94819	17	33252218	14413	1314391	306	4070542	394	20420	4632	16000
12/30/19	Mon	0.00	70118	189	7272057	0	1582702	1	10197203	3490	94836	16	33266631	3415	1314697	199	4070936	348	7658	4648	10000
12/31/19	Tue	0.00	70307	228	7272057	123	1582703	-6	10200693	4190	94852	18	33270046	7047	1314896	206	4071284	178	11984	4658	9000
01/01/20	Wed		70535		7272180		1582697		10204883		94870		33277093		1315102		4071462			4687	
TOTAL		2.40		5962		1413		-82		118480		558		204514		5612			5819		298000

Leachate Action Rates:
 Phase 1/1A - 830 gpd
 Phase 2 - 800 gpd
 Phase 3 - 880 gpd
 Total 1,718

Start Leachate in Storage **34,899** GALLONS

End Leachate in Storage **71,910** GALLONS

REVIEWED BY

 Henry J. Williams Jr.

CITRUS COUNTY CENTRAL LANDFILL

DATE	DAY	RAIN IN INCHES	PHASE 1 AND 1A			PHASE 2			PHASE 3			7 ACRE		TOTAL	Force Main Flow						
			80-1 (S) FLOW GAL	80-2 (P) FLOW GAL	Primary 80-2 (P) FLOW GAL	80-1 (P) FLOW GAL	Primary 80-1 (P) FLOW GAL	80-2 (P) FLOW GAL	80-3 (S) FLOW GAL	Secondary 80-3 (S) FLOW GAL	80 (P-1) FLOW GAL	Primary 80 (P-1) FLOW GAL	Secondary 80 (P-2) FLOW GAL		LIFT STATION #5 (P) METER	LIFT STATION FLOW GAL	2, 3, MASTER LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL		
11/01/19	Fri	0.00	58248	87	7127640	36	1584275	1	9926374	4754	93069	26	32937373	8026	1305614	610	4063921	0	13540	3845	9000
11/02/19	Sat	0.00	58335	205	7127676	68	1584276	11	9931128	5225	93095	25	32845399	9665	1306224	205	4063921	0	15404	3854	13000
11/03/19	Sun	0.00	58540	204	7127744	68	1584287	10	9936353	5225	93120	25	32855064	9664	1306429	204	4063921	0	15400	3867	12000
11/04/19	Mon	0.00	58744	191	7127812	11	1584297	-8	9941578	5026	93145	29	32864728	9123	1306633	406	4063921	0	14778	3879	14000
11/05/19	Tue	0.00	58935	204	7127823	0	1584289	-15	9946604	4815	93174	26	32873851	8870	1307039	0	4063921	430	14331	3893	19000
11/06/19	Wed	0.00	59139	192	7127824	1	1584274	-9	9951419	4621	93220	27	32882121	9112	1307039	208	4064351	0	14151	3912	19000
11/07/19	Thu	0.00	59331	185	7127824	0	1584285	-10	9956040	5101	93227	32	32891833	8549	1307247	0	4064351	0	13857	3919	16000
11/08/19	Fri	0.60	59516	194	7127824	0	1584255	-8	9961141	6316	93239	8	32900382	28028	1307247	212	4064351	0	34750	3935	19000
11/09/19	Sat	0.00	59710	216	7127824	11	1584236	-11	9964457	4804	93267	28	32928410	5186	1307459	69	4064351	0	10303	3954	10000
11/10/19	Sun	0.00	59926	216	7127835	11	1584236	-12	9972261	4804	93295	28	32933596	5186	1307528	69	4064351	0	10302	3964	10000
11/11/19	Mon	0.00	60142	217	7127846	11	1584224	-12	9977065	4803	93323	28	32938782	5185	1307597	69	4064351	0	10301	3974	10000
11/12/19	Tue	0.00	60359	225	7127857	22272	1584042	-170	9981868	8886	93351	113	32943967	6686	1307666	205	4064351	433	38650	3984	42000
11/13/19	Wed	0.00	60584	219	7150129	3268	1584042	-62	9990754	5121	93464	44	32950653	6860	1307871	0	4064784	0	15450	4026	16000
11/14/19	Thu	0.30	60803	195	7153397	22817	1583980	-225	9995875	9526	93508	127	32957513	6777	1307871	203	4064784	0	39302	4042	44000
11/15/19	Fri	0.00	60998	191	7176214	13990	1583755	-199	10005383	9526	93635	143	32964190	8718	1308074	11	4064784	0	32380	4086	41000
11/16/19	Sat	0.00	61189	276	7190204	6437	1583556	-139	10014909	8350	93778	101	32972908	7377	1308085	120	4064784	0	22522	4127	27000
11/17/19	Sun	0.00	61465	275	7196641	6437	1583417	-140	10022359	8350	93879	101	32980285	7376	1308205	119	4064784	0	22518	4154	26000
11/18/19	Mon	0.00	61740	177	7203078	34864	1583277	-98	10031609	6057	93990	63	32987661	6473	1308324	214	4064784	0	47750	4180	24000
11/19/19	Tue	0.00	61917	211	7237942	1071	1583179	-26	10037666	3700	94043	11	32994134	6507	1308538	3	4064784	327	11804	4204	12000
11/20/19	Wed	0.00	62128	198	7239013	10256	1583153	-125	10047366	6420	94054	69	33000641	6284	1308541	234	4065111	105	23441	4216	27000
11/21/19	Thu	0.00	62326	221	7249269	12892	1583028	-129	10047366	5194	94123	83	33006925	6356	1308775	8	4065216	0	26947	4243	28000
11/22/19	Fri	0.00	62547	212	7262161	8494	1582899	-84	10055302	5194	94206	48	33013281	6161	1308783	8	4065216	0	25473	4271	21000
11/23/19	Sat	0.00	62759	203	7270645	22	1582815	-2	10060496	3169	94254	81	33024892	5877	1308791	97	4065216	0	9374	4292	7000
11/24/19	Sun	0.50	62962	203	7270667	22	1582813	-3	10063665	3168	94262	7	33030769	5876	1308888	96	4065216	0	9370	4299	7000
11/25/19	Mon	0.00	63165	244	7270689	26	1582810	-14	10066833	4198	94269	11	33036645	7425	1308984	187	4065217	0	12077	4306	18000
11/26/19	Tue	0.00	63409	212	7270715	15	1582796	-5	10071031	2457	94280	6	33044070	5918	1309171	3	4065217	0	8606	4324	6000
11/27/19	Wed	0.00	63621	182	7270730	12	1582791	-5	10073488	3142	94286	7	33049988	5126	1309174	106	4065217	213	8783	4330	10000
11/28/19	Thu	0.00	63803	181	7270742	12	1582786	-6	10076630	3142	94293	7	33055114	5125	1309280	106	4065430	213	8780	4340	9000
11/29/19	Fri	0.00	63984	208	7270754	4	1582780	-1	10079772	3164	94300	6	33060239	5864	1309366	2	4065643	0	9247	4349	7000
11/30/19	Sat	0.00	64192	381	7270758	9	1582779	0	10082936	3467	94306	6	33066103	6476	1309388	102	4065643	0	10441	4356	13000
12/01/19	Sun		64573		7270767		1582779		10086403		94312		33072579		1309490		4065643			4369	
TOTAL		1.40		6325		143127		-1496		160029		1243		235206		3876					524000

Leachate Action Rates:
 Phase 1/1A - 830 gpd
 Phase 2 - 600 gpd
 Phase 3 - 680 gpd
 Total 1,719

Start Leachate in Storage

32,783
GALLONS

End Leachate in Storage

34,899
GALLONS

REMOVED BY
 Henry G. Morris, Jr.

CITRUS COUNTY CENTRAL LANDFILL

DATE	DAY	INCHES	PHASE 1 AND 1A		PHASE 2		PHASE 3		7 ACRE		TOTAL	FORCE MAIN FLOW										
			80-1 (S) FLOW GAL	80-2 (P) FLOW GAL	80-1 (P) FLOW GAL	80-2 (P) FLOW GAL	80-3 (S) FLOW GAL	80-3 (S) FLOW GAL	80 (P-1) FLOW GAL	80 (P-2) FLOW GAL		LIFT STATION #5 (P) METER	LIFT STATION FLOW GAL	2, 3, MASTER LIFT	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL						
10/01/19	Tue	0.00	52823	39	7127411	10	1584026	-7	9808754	4018	92498	8	32648256	20189	1303479	0	4059299	307	24564	3533	0	
10/02/19	Wed	0.00	52862	56	7127421	9	1584019	6	9812772	3730	92506	16	32668445	0	1303479	0	4059606	0	3817	3533	28000	
10/03/19	Thu	0.00	52918	72	7127430	10	1584025	15	9816502	3864	92522	17	32668445	4382	1303479	202	4059606	281	8623	3561	7000	
10/04/19	Fri	0.00	52990	64	7127440	9	1584040	9	9820166	3771	92539	19	32672807	4253	1303681	0	4059887	0	8125	3568	0	
10/05/19	Sat	0.00	53054	101	7127450	8	1584049	8	9823937	3472	92558	17	32677060	5578	1303681	100	4059887	137	9422	3568	0	
10/06/19	Sun	0.00	53155	101	7127458	8	1584057	8	9827409	3472	92575	16	32682638	5578	1303781	100	4060024	136	9419	3568	0	
10/07/19	Mon	0.30	53256	176	7127466	5	1584065	0	9830881	3826	92591	20	32682638	4288	1303881	0	4060160	682	8997	3589	21000	
10/08/19	Tue	0.30	53422	194	7127471	2	1584065	-41	9834707	4118	92611	21	32692504	6173	1303881	1	4060842	0	10468	3589	0	
10/09/19	Wed	0.00	53626	214	7127473	7	1584024	-10	9838825	3069	92632	14	32698677	4039	1303882	192	4060842	38	7563	3589	13000	
10/10/19	Thu	0.00	53840	211	7127480	10	1584014	9	9841894	3353	92662	16	32702716	3943	1304074	0	4060880	0	7542	3602	0	
10/11/19	Fri	0.00	54051	230	7127490	16	1584023	13	9845247	3776	92684	17	32706659	6194	1304074	0	4060880	1	10247	3602	23000	
10/12/19	Sun	0.00	54281	186	7127506	5	1584036	3	9849023	3134	92679	13	32712853	5798	1304074	106	4060881	0	9245	3625	0	
10/13/19	Mon	0.00	54467	186	7127506	5	1584039	3	9852157	3133	92692	12	32718651	5797	1304180	106	4060881	0	9245	3625	0	
10/14/19	Tue	0.20	54852	180	7127520	4	1584049	12	9856487	3528	92717	18	32724448	907	1304286	0	4060881	434	10072	3625	42000	
10/15/19	Wed	0.40	54853	199	7127515	5	1584042	18	9855290	3528	92735	16	32724448	5896	1304286	0	4060881	5	7589	3678	5000	
10/16/19	Thu	0.00	55032	211	7127524	1	1584061	13	9862015	3571	92751	18	32735201	5882	1304286	209	4061320	0	9804	3683	5000	
10/17/19	Fri	2.10	55454	203	7127525	12	1584092	18	9868974	3602	92769	18	32731251	3950	1304495	0	4061320	266	7903	3688	8000	
10/18/19	Sat	0.00	55657	212	7127557	1	1584110	7	9872576	3717	92787	20	32744847	5663	1304495	0	4061586	87	9707	3696	9000	
10/19/19	Sun	0.00	55869	212	7127558	0	1584117	7	9876293	3717	92807	20	32750510	5663	1304495	0	4061673	87	9706	3705	10000	
10/20/19	Mon	1.00	56081	219	7127558	1	1584124	12	9880010	3824	92827	19	32756173	5407	1304495	210	4061760	271	9963	3715	10000	
10/21/19	Tue	0.00	56300	260	7127559	23	1584136	12	9883834	4500	92846	21	32761580	7164	1304705	0	4062031	624	12604	3725	12000	
10/22/19	Wed	0.00	56560	186	7127582	32	1584148	23	9888334	3171	92867	18	32768744	5466	1304705	0	4062655	0	8896	3737	9000	
10/23/19	Thu	0.00	56746	225	7127614	3	1584171	16	9891505	4139	92885	21	32774210	7305	1304705	0	4062655	206	11915	3746	10000	
10/24/19	Fri	0.00	56971	189	7127617	1	1584187	18	9895644	3501	92906	18	32781515	5339	1304705	203	4062861	245	9514	3756	10000	
10/25/19	Sat	0.00	57160	212	7127618	0	1584205	8	9899145	4060	92924	21	32786854	7250	1304908	102	4063106	182	11835	3766	11000	
10/26/19	Sun	0.40	57372	212	7127618	0	1584213	7	9903205	4060	92945	20	32794104	7249	1305010	102	4063288	181	11831	3777	10000	
10/27/19	Mon	0.50	57584	172	7127618	1	1584220	10	9907265	4143	92965	23	32801353	5353	1305112	0	4063469	0	9702	3787	8000	
10/28/19	Tue	2.20	57795	149	7127619	0	1584230	19	9911408	4156	92988	23	32806706	7529	1305112	0	4063469	452	12328	3795	18000	
10/29/19	Wed	0.10	57905	188	7127619	0	1584249	2	9915564	5815	93011	33	32814235	13365	1305112	502	4063921	0	19905	3813	17000	
10/30/19	Thu	0.00	58093	155	7127619	21	1584251	24	9921379	4995	93044	25	32827600	9773	1305614	0	4063921	0	14993	3830	15000	
11/01/19	Fri		58248		7127640		1584275		9926374	117620	93059		32837373	189117	1305614		4063921		4622		312000	
TOTAL		7.50		5425		229		249				571				2135						

Leachate Action Rates:
 Phase 1/1A - 930 gpd
 Phase 2 - 800 gpd
 Phase 3 - 680 gpd
 Total 1,719

Start Leachate In Storage **64,508** GALLONS

End Leachate In Storage **32,783** GALLONS

REVENUE
 Henry V. Norris Jr.