

Johnson, Sabrina O

From: Joshua L. Younce <Joshua.Younce@citrusbocc.com>
Sent: Friday, July 2, 2021 8:54 AM
To: SWD_Waste; Morgan, Steve; Black, Alexis
Cc: Henry C. Norris; Dan S. Sherlock
Subject: 2nd Quarter Leachate Report
Attachments: 2nd Quarter Leachate Report 2021.pdf

Dear Mr. Morgan:

Attached you'll find the Leachate Generation and Daily Precipitation Report for the 2nd Quarter of 2021 for the Citrus County Central Landfill.

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

Regards,

Joshua Younce

Compliance Manager
Citrus County Solid Waste Management Division
230 W. Gulf to Lake Hwy.
Lecanto, FL. 34461
Office: (352) 527-7679
Joshua.Younce@citrusbocc.com



**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
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TDD Telephone: (352) 527-5303
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

July 1, 2021

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-01/026-SO-MM
2021 2nd Quarter Leachate Generation and Daily Precipitation Report
WACS I.D. # 39859**

Dear Mr. Morgan:

In compliance with Specific Condition K.8.b, of the above referenced permit, enclosed please find the Quarterly Leachate Generation and Daily Precipitation Report for the 2nd quarter of 2021.

There were no exceedances during the reporting period.

A new pump for Phase 2 Primary 1 was installed on 6/4/21 and has been up and running since with no issues. New stainless steel check valves have been welded into place in Phase 3. Two new air release valves have been installed in Phase 2 and 3 (one in each Phase) along with stainless steel fittings.

The landfill received quotes and has contracted out work to replace the Master Lift Station pipes and valves with all new components. The contractor is currently awaiting the arrival of a few parts to begin work. We also are having new electrical panels for Phase 2 in the process of being built.

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	80-2 (P) LS	80-1 (P) LS	80-2 (P) LS	80-2 (P) LS	80-3 (S) LS	80-3 (S) LS	80-3 (S) LS	80-3 (S) LS	80 (P-1) LS	80 (P-1) LS	80 (P-2) LS	80 (P-2) LS	LIFT STATION #5 (P) METER	LIFT STATION FLOW GAL		LIFT STATION FLOW GAL	MASTER LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL
04/01/21	Thu	0.00	117224	200	7964526	2619	1200154	0	11522595	1548	108116	0	35850188	6101	1401120	0	4175470	334	10802	10013	10	
04/02/21	Fri	0.00	117424	157	7967145	769	1200154	0	11524143	1859	108116	0	35856289	4301	1401120	188	4175804	334	7269	10023	6	
04/03/21	Sat	0.00	117581	137	7967914	1675	1200154	0	11525997	2084	108116	0	35860590	5613	1401308	103	4175804	385	10012	10029	11	
04/04/21	Sun	0.00	117718	137	7969589	1678	1200154	0	11528096	2100	108116	0	35868203	5614	1401411	103	4176189	386	10016	10040	10	
04/05/21	Mon	0.00	117855	131	7971265	1124	1200154	0	11530196	2590	108116	375	35871817	6999	1401514	187	4176575	0	11406	10050	13	
04/06/21	Tue	0.00	117986	119	7972389	912	1200154	0	11532786	1955	108491	0	35878816	5438	1401701	210	4176575	0	8634	10063	12	
04/07/21	Wed	0.00	118105	85	7973301	880	1200154	0	11534741	1963	108491	1	35884254	5263	1401911	0	4176575	341	8523	10075	11	
04/08/21	Thu	0.00	118190	121	7974181	2077	1200154	0	11536694	2413	108492	0	35889517	5986	1401911	222	4176916	0	10819	10086	16	
04/09/21	Fri	0.00	118311	91	7976258	1748	1200154	0	11539107	2342	108492	0	35895503	5789	1402133	0	4176916	438	10408	10102	14	
04/10/21	Sat	0.00	118402	143	7978006	1073	1200154	0	11541449	2483	108492	0	35901292	9161	1402133	201	4177354	0	13061	10116	18	
04/11/21	Sun	3.50	118545	143	7979079	1074	1200154	0	11543932	2483	108492	0	35910453	9163	1402334	201	4177354	0	13064	10134	18	
04/12/21	Mon	0.00	118688	121	7980153	290	1200154	0	11546415	2656	108492	0	35919616	11794	1402535	635	4177354	325	15821	10152	34	
04/13/21	Tue	0.10	118809	88	7980443	434	1200154	0	11549071	1778	108492	0	35931410	7278	1403170	419	4177679	0	9993	10186	14	
04/14/21	Wed	0.00	118897	89	7980877	1315	1200154	0	11550847	2632	108492	0	35938686	9899	1403589	431	4177679	439	14795	10200	20	
04/15/21	Thu	0.00	118986	72	7982192	1266	1200154	0	11553479	2147	108492	0	35948575	7181	1404020	416	4178118	0	11082	10220	16	
04/16/21	Fri	0.00	119058	37	7983458	540	1200154	0	11555626	2602	108492	0	35955756	6394	1404436	199	4178118	333	10105	10236	11	
04/17/21	Sat	0.00	119095	75	7983998	0	1200154	0	11558228	2046	108492	0	35962150	6028	1404635	304	4178451	0	8453	10247	8	
04/18/21	Sun	0.00	119170	75	7983998	0	1200154	0	11560274	2047	108492	0	35968178	6028	1404939	304	4178451	0	8454	10255	11	
04/19/21	Mon	0.80	119245	126	7983998	1943	1200154	0	11562321	2629	108492	0	35974206	8980	1405243	407	4178451	772	12914	10266	13	
04/20/21	Tue	0.75	119371	90	7983998	1943	1200154	0	11564950	2633	108492	0	35983186	9497	1405650	435	4179223	0	14598	10279	16	
04/21/21	Wed	0.00	119461	76	7985941	79	1200154	0	11567583	1356	108492	0	35992883	3968	1406085	196	4179223	0	5675	10295	6	
04/22/21	Thu	0.00	119537	140	7986020	83	1200154	0	11568939	2457	108492	0	35996651	8430	1406281	418	4179223	338	11866	10301	12	
04/23/21	Fri	0.00	119677	62	7986103	1472	1200154	0	11571396	2238	108492	0	36005081	6780	1406699	207	4179561	0	10759	10313	14	
04/24/21	Sat	0.00	119739	56	7987575	511	1200154	0	11573634	2458	108492	0	36011861	6873	1406906	200	4179561	219	10317	10327	11	
04/25/21	Sun	0.25	119795	56	7988086	511	1200154	0	11576092	2458	108492	0	36018734	6873	1407106	200	4179780	220	10318	10338	12	
04/26/21	Mon	0.00	119851	81	7988597	7	1200154	0	11578550	2524	108492	0	36025607	7617	1407306	396	4180000	331	10956	10350	12	
04/27/21	Tue	0.00	119932	79	7988604	325	1200154	-3	11581074	2001	108492	0	36033224	6729	1407702	0	4180331	0	9131	10362	8	
04/28/21	Wed	0.00	120011	78	7988929	850	1200151	0	11583075	2324	108492	0	36039953	6874	1407702	215	4180331	0	10341	10370	14	
04/29/21	Thu	0.00	120089	74	7989779	315	1200151	-2	11585399	2374	108492	0	36046827	4591	1407917	185	4180331	0	7537	10384	9	
04/30/21	Fri	0.00	120163	70	7990094	1114	1200149	0	11587773	2720	108492	0	36051418	7589	1408102	196	4180331	774	12463	10393	15	
05/01/21	Sat	5.40	120233	3009	7991208	26682	1200149	-5	11590493	67898	108492	376	36059007	208819	1408298	7178	4181105	5635	10408	10408	395	
TOTAL																						

Leakage Action Rates:
Phase 1/1A - 930 gpd
Phase 2 - 600 gpd
Phase 3 - 680 gpd
Total 1,719

Start Leachate in Storage

50,760 GALLONS

End Leachate in Storage

49,702 GALLONS

REVIEWED BY

HENRY

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	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) METER	LIFT STATION FLOW GAL	2, 3, MASTER LIFT STATION	LEACHATE FORCE MAIN METER
05/01/21	Sat	0.00	120233	62	7991208	2062	1200149	0	11590493	2475	108492	0	36059007	6320	1408298	310	4181105	0	11229	10408	13
05/02/21	Sun	0.00	120295	67	799270	4125	1200149	0	11592968	2475	108492	0	36065327	6320	1408608	310	4181105	0	13292	10421	13
05/03/21	Mon	0.00	120357	62	7997395	0	1200149	0	11595443	2818	108492	0	36071647	8802	1408918	213	4181105	327	12227	10434	11
05/04/21	Tue	0.00	120424	46	7997395	1295	1200149	0	11598261	1862	108492	0	36080449	3681	1409131	217	4181432	0	7101	10445	8
05/05/21	Wed	0.20	120470	44	7998690	1222	1200149	0	11600123	2447	108492	0	36084130	6526	1409348	407	4181432	0	10646	10453	23
05/06/21	Thu	0.00	120514	79	7999912	1353	1200149	0	11602570	2047	108492	0	36090656	6054	1409755	212	4181432	444	10189	10476	27
05/07/21	Fri	0.20	120593	98	8001265	1306	1200149	0	11604617	2025	108492	0	36096710	6238	1409967	194	4181876	331	10192	10503	8
05/08/21	Sat	0.00	120691	90	8002571	917	1200149	0	11606642	2465	108492	0	36102948	6329	1410161	318	4182207	0	10119	10511	16
05/09/21	Sun	0.00	120781	91	8003488	917	1200149	0	11609107	2465	108492	0	36109277	6520	1410798	319	4182207	0	10121	10527	10
05/10/21	Mon	0.00	120872	71	8004405	1322	1200149	0	11611572	2811	108492	0	36115606	5520	1410798	208	4182207	0	9932	10537	13
05/11/21	Tue	0.00	120943	72	8005727	0	1200149	-2	11614383	4566	108492	0	36121126	6804	1411006	209	4182207	780	12429	10550	8
05/12/21	Wed	0.00	121015	70	8005727	95	1200147	0	11618949	630	108492	0	36127930	5002	1411215	203	4182987	0	6000	10558	12
05/13/21	Thu	0.00	121085	113	8005822	398	1200147	0	11619579	1725	108492	0	36132932	4497	1411418	198	4182987	0	6931	10570	8
05/14/21	Fri	0.00	121198	91	8006220	1421	1200147	67	11621304	1700	108492	0	36137429	6003	1411816	208	4182987	0	9490	10578	5
05/15/21	Sat	0.00	121289	89	8007641	761	1200214	-5	11623004	1908	108492	0	36143432	4655	1411824	199	4182987	164	7771	10583	1
05/16/21	Sun	0.00	121378	90	8008402	761	1200209	-4	11624912	1909	108492	0	36148087	4655	1412023	199	4183151	165	7775	10584	1
05/17/21	Mon	0.00	121468	75	8009163	200	1200205	-44	11626821	2736	108492	0	36152742	6836	1412222	405	4183316	255	10463	10584	28
05/18/21	Tue	0.00	121543	62	8009363	718	1200161	-156	11629557	1080	108492	0	36159578	2422	1412627	0	4183571	180	4286	10612	11
05/19/21	Wed	0.00	121605	77	8010081	247	1200005	8	11630617	2607	108492	1	36162000	7373	1412627	199	4183751	336	10847	10623	9
05/20/21	Thu	0.00	121682	55	8010328	255	1200013	-4	11633224	1601	108492	1	36169373	1929	1412826	187	4184087	0	4024	10632	8
05/21/21	Fri	0.00	121737	75	8010583	266	1200009	0	11634825	1684	108493	3	36171302	6226	1413013	187	4184087	9	8450	10640	8
05/22/21	Sat	0.00	121812	92	8010849	367	1200009	0	11636509	2344	108496	13	36177528	4204	1413200	196	4184096	389	7605	10649	10
05/23/21	Sun	0.00	121904	92	8011216	368	1200009	0	11638853	2344	108509	0	36181732	4205	1413396	196	4184485	389	7594	10659	11
05/24/21	Mon	0.00	121996	82	8011584	438	1200009	0	11641197	2099	108509	22	36185937	7327	1413592	208	4184874	0	10176	10670	11
05/25/21	Tue	0.00	122078	69	8012022	164	1200009	-1	11643296	2628	108531	0	36193264	3898	1413800	207	4184874	0	6965	10681	5
05/26/21	Wed	0.00	122147	75	8012186	558	1200008	0	11645924	2280	108531	0	36197162	4335	1414007	204	4184874	333	7785	10686	0
05/27/21	Thu	0.00	122222	56	8012744	149	1200008	0	11648204	7955	108531	0	3620497	7019	1414211	0	4185207	0	15179	10686	0
05/28/21	Fri	0.00	122278	86	8012893	2611	1200008	0	11656159	4649	108531	0	36208516	6863	1414211	191	4185207	0	14400	10686	0
05/29/21	Sat	0.00	122364	68	8015504	1016	1200008	0	11660808	2815	108531	0	36215379	3862	1414402	137	4185207	258	8156	10686	12
05/30/21	Sun	0.00	122432	68	8016520	1016	1200008	0	11663623	2815	108531	0	36223103	3862	1414539	137	4185465	258	8156	10698	12
05/31/21	Mon	0.00	122500	0	8017536	0	1200008	0	11666438	0	108531	0	36223103	0	1414676	137	4185723	259	396	10710	15
06/01/21	Tue	0.00	122570	8018553	0	11669255	1200008	-141	11669255	75945	108531	39	36228967	164096	1414813	6515	4185982	4877	10725	10725	317

Leakage Action Rates:
Phase 1/1A - 930 gpd
Phase 2 - 600 gpd
Phase 3 - 680 gpd
Total 1,719

Start Leachate in Storage
49,702
GALLONS

End Leachate in Storage
104,692
GALLONS



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	80-2 (P) LS	80-1 (P) LS	80-2 (P) LS	80-1 (P) LS	80-2 (P) LS	80-3 (S) LS	80-3 (S) LS	80-3 (S) LS	80-2 (P) LS	80-1 (P) LS	80-2 (P) LS		LIFT STATION #5 (P) METER	LIFT STATION FLOW GAL	MASTER LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL	
06/01/21	Tue	0.00	122570	68	8018553	1532	1200008	0	11669255	3409	108531	0	36226987	3761	1414813	200	4185982	341	9311	10725	15
06/02/21	Wed	0.00	122638	66	8020085	3150	1200008	0	11672864	2379	108531	0	36230728	3210	1415013	202	4186323	0	9007	10740	7
06/03/21	Thu	1.10	122704	85	8023235	2097	1200008	0	11675043	2363	108531	0	36233938	4333	1415215	205	4186323	441	9524	10747	10
06/04/21	Fri	0.10	122789	50	8025332	614	1200008	259	11677406	1645	108531	0	36238271	3759	1415420	131	4186784	109	6567	10757	8
06/05/21	Sat	0.00	122839	50	8025946	614	1200267	259	11679051	1645	108531	0	36242030	3759	1415551	131	4186873	109	6567	10765	8
06/06/21	Sun	0.00	122889	50	8026560	616	1200526	261	11680696	1646	108531	0	36245789	3761	1415682	133	4186982	110	6577	10773	9
06/07/21	Mon	0.00	122939	46	8027176	153	1200787	317	11682342	1678	108531	0	36249550	3781	1415815	0	4187092	0	5975	10782	10
06/08/21	Tue	0.00	122985	34	8027329	215	1201104	231	11684020	1673	108531	0	36253331	4065	1415815	197	4187092	341	6756	10792	4
06/09/21	Wed	0.00	123019	32	8027544	2331	1201335	161	11685693	3265	108531	0	36257396	5079	1416012	196	4187433	443	11507	10796	24
06/10/21	Thu	0.00	123051	52	8029875	1258	1201496	0	11688958	1628	108531	0	36262475	3822	1416208	0	4187876	0	6760	10820	19
06/11/21	Fri	0.00	123103	48	8031133	2889	1201496	1070	11690586	1616	108531	0	36266297	4391	1416208	195	4187876	0	10209	10839	25
06/12/21	Sat	0.00	123151	42	8034022	1004	1202566	536	11692202	1683	108531	0	36270688	4091	1416403	94	4187876	165	7615	10864	17
06/13/21	Sun	0.90	123193	43	8035026	1004	1203102	536	11693885	1684	108531	0	36274779	4092	1416403	94	4188041	165	7618	10881	17
06/14/21	Mon	0.00	123236	50	8036030	1872	1203638	773	11695569	1764	108531	0	36278871	5693	1416591	213	4188206	440	10805	10898	23
06/15/21	Tue	1.60	123286	47	8037902	1076	1204411	327	11697333	1757	108531	0	36284564	4183	1416804	0	4188646	332	7722	10921	14
06/16/21	Wed	1.00	123333	49	8038978	2519	1204738	798	11699090	1803	108531	0	36288747	4911	1416804	217	4188978	0	10297	10935	17
06/17/21	Thu	1.30	123382	29	8041497	0	1205536	0	11700893	1815	108531	0	36293658	3132	1417021	209	4188978	0	5188	10952	6
06/18/21	Fri	0.00	123411	10	8041497	5728	1205539	482	11702708	1817	108531	0	36296790	5256	1417230	218	4188978	343	13854	10958	17
06/19/21	Sat	0.00	123421	14	8047225	3377	1206021	408	11704525	2608	108531	0	36302046	5220	1417448	326	4189321	218	12171	10975	13
06/20/21	Sun	0.00	123435	14	8050602	3378	1206429	408	11707133	2608	108531	0	36307266	5221	1417774	327	4189539	218	12174	10988	13
06/21/21	Mon	0.00	123449	42	8053980	2786	1206837	411	11709741	1711	108531	0	36312487	4951	1418101	0	4189757	333	10234	11001	15
06/22/21	Tue	0.10	123491	51	8056766	2514	1207248	403	11711452	1789	108531	0	36317438	6738	1418101	649	4190090	0	12144	11016	12
06/23/21	Wed	0.60	123542	56	8059280	1917	1207651	266	11713241	1760	108531	0	36324176	4740	1418750	0	4190090	0	8739	11028	17
06/24/21	Thu	0.20	123598	90	8061197	4023	1207917	402	11715001	1730	108531	0	36328916	4960	1418750	0	4190090	762	11967	11038	17
06/25/21	Fri	2.20	123668	55	8065220	1227	1208319	210	11716731	1814	108531	0	36333876	5297	1418750	198	4190852	0	8801	11055	12
06/26/21	Sat	1.50	123743	30	8066447	954	1208529	399	11718545	2701	108531	0	36339173	6264	1418948	525	4190852	169	11042	11067	13
06/27/21	Sun	0.00	123773	31	8067401	954	1208928	399	11721246	2702	108531	0	36345437	6264	1419473	526	4191021	169	11045	11080	14
06/28/21	Mon	0.00	123804	33	8068355	1866	1209327	401	11723948	1755	108531	0	36351701	7557	1419999	255	4191190	0	11867	11094	13
06/29/21	Tue	0.00	123837	51	8070221	1840	1209728	825	11725703	3287	108531	0	36359258	6540	1420254	485	4191190	0	13028	11107	12
06/30/21	Wed	0.30	123888	60	8072061	1725	1210553	384	11728990	211	108531	0	36365798	4893	1420739	492	4191190	781	8546	11119	16
07/01/21	Thu	1.00	123948	8073786			1210937		11729201		108531		36370691		1421231		4191971				
TOTAL				1378		55233		10929		59946		0		143724		6418		5989			4110

Leakage Action Rates:
Phase 1/1A - 930 gpd
Phase 2 - 600 gpd
Phase 3 - 680 gpd
Total 1,719

Start Leachate in Storage

104,692 GALLONS

End Leachate in Storage

107,865 GALLONS

