

Johnson, Sabrina O

From: Joshua L. Younce <Joshua.Younce@citrusbocc.com>
Sent: Tuesday, April 6, 2021 2:19 PM
To: SWD_Waste; Morgan, Steve; Black, Alexis
Cc: Henry C. Norris; Dan S. Sherlock
Subject: 1st Quarter Leachate Report
Attachments: 1st Quarter Leachate Report 2021.pdf

Dear Mr. Morgan:

Attached you'll find the Leachate Generation and Daily Precipitation Report for the 1st 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

email: landfillinfo@citrusbocc.com

TDD Telephone: (352) 527-5303

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

April 6, 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 1st 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 1st quarter of 2021.

There were no exceedances during the reporting period. The "End Leachate in Storage" for March is approximately half the normal amount, this is due to the fact that we are currently in the process of performing our 3-year Storage Tank cleaning and inspection.

Clarification on the Transducer elevation points was submitted to FDEP on 12/28/2020 and we are currently awaiting written approval of the suggested set points.

We are currently awaiting quotes to replace the Master Lift Station pipes and valves with all new components. We are also working to purchase electrical panels for Phase 2 and the Master Lift Station. After the recent upgrading of our grounding to our electrical panels, there have not been any electrical issues, therefore it has been decided that we are going to press forward with the re-installation of the pumps in Phase 2.

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	Secondary 80-1 (S) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (P) FLOW GAL	80-1 (P) LS METER	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
01/01/21	Fri	0.00	105012	109	7847965	600	1200148	0	11327084	2454	108115	0	35319462	5080	1386355	106	4155395	173	8522	8924	0
01/02/21	Sat	0.00	105121	150	7848565	947	1200148	0	11329538	1957	108115	0	35324542	4565	1386461	106	4155568	392	8117	8924	0
01/03/21	Sun	0.00	105271	150	7849512	947	1200148	0	11331495	1957	108115	0	35329107	4564	1386567	106	4155960	392	8116	8924	1000
01/04/21	Mon	0.00	105421	138	7850459	1121	1200148	0	11333452	2259	108115	0	35333671	4333	1386673	204	4156352	0	8055	8925	57000
01/05/21	Tue	0.00	105559	159	7851580	670	1200148	0	11335711	1855	108115	0	35338004	4951	1386877	0	4156352	338	7973	8992	10000
01/06/21	Wed	0.00	105718	176	7852250	1663	1200148	0	11337566	2816	108115	0	35342955	5367	1386887	209	4156690	0	10231	8992	11000
01/07/21	Thu	0.00	105894	131	7853913	2239	1200148	0	11340382	1700	108115	0	35348322	4173	1387086	0	4156690	345	8598	9003	13000
01/08/21	Fri	0.00	106025	197	7856152	45	1200148	0	11342082	2328	108115	0	35352495	4117	1387086	0	4157035	0	6687	9016	5000
01/09/21	Sat	0.00	106222	199	7856197	2767	1200148	0	11344410	1923	108115	0	35356612	4467	1387086	104	4157035	383	9843	9021	11000
01/10/21	Sun	0.00	106421	199	7858964	2767	1200148	0	11346333	1923	108115	0	35361079	4467	1387190	104	4157418	382	9842	9032	11000
01/11/21	Mon	0.00	106620	139	7861731	3185	1200148	0	11348256	2218	108115	0	35365546	5002	1387294	208	4157800	0	10752	9043	10000
01/12/21	Tue	0.00	106759	214	7864916	2169	1200148	0	11350474	2298	108115	0	35370548	4402	1387502	0	4157800	344	9427	9053	9000
01/13/21	Wed	0.00	106973	202	7867085	3063	1200148	0	11352772	2152	108115	0	35374950	5321	1387502	211	4158144	0	10949	9062	9000
01/14/21	Thu	0.00	107175	171	7870148	5247	1200148	0	11354924	2994	108115	0	35380271	5389	1387713	0	4158144	441	14242	9071	13000
01/15/21	Fri	0.30	107346	148	7875395	1378	1200148	1	11357918	1723	108115	0	35385660	4935	1387713	207	4158585	332	8724	9084	11000
01/16/21	Sat	0.00	107494	192	7876773	1447	1200149	0	11359641	2020	108115	0	35390595	4543	1387920	0	4158917	166	8366	9095	10000
01/17/21	Sun	0.00	107686	191	7878220	1446	1200149	0	11361661	2020	108115	0	35395138	4543	1387920	0	4159083	166	8366	9105	10000
01/18/21	Mon	0.00	107877	152	7879686	77	1200149	0	11363681	2283	108115	0	35399681	4753	1387920	205	4159249	0	7470	9115	7000
01/19/21	Tue	0.00	108029	159	7879743	3563	1200149	0	11365964	2313	108115	0	35404454	5422	1388125	0	4159249	0	11457	9122	0
01/20/21	Wed	0.00	108188	146	7883306	3465	1200149	0	11368277	2178	108115	0	35409856	4978	1388125	187	4159249	766	11720	9122	19000
01/21/21	Thu	0.00	108334	130	7886771	2313	1200149	0	11370455	2592	108115	0	35414834	5184	1388312	0	4160015	0	10219	9141	15000
01/22/21	Fri	0.10	108464	143	7889084	1153	1200149	0	11373047	1760	108115	0	35420018	4665	1388312	213	4160015	320	8254	9156	10000
01/23/21	Sat	0.00	108607	144	7890237	1167	1200149	0	11374807	2067	108115	0	35424683	4736	1388525	106	4160335	172	8392	9166	9000
01/24/21	Sun	0.00	108751	143	7891404	1167	1200149	0	11376874	2066	108115	0	35429419	4735	1388631	105	4160507	171	8387	9175	9000
01/25/21	Mon	0.00	108894	129	7892571	884	1200149	0	11378940	2647	108115	0	35434154	5616	1388736	0	4160678	454	9730	9184	0
01/26/21	Tue	0.00	109023	123	7893455	568	1200149	0	11381587	2214	108115	0	35439770	4460	1388736	209	4161132	1	7575	9184	22000
01/27/21	Wed	0.30	109146	142	7894023	564	1200149	0	11383801	1824	108115	0	35444230	6680	1388945	0	4161133	336	9546	9206	9000
01/28/21	Thu	0.00	109288	134	7894587	52	1200149	0	11385625	1417	108115	0	35450910	4263	1388945	0	4161469	0	5866	9215	10000
01/29/21	Fri	0.00	109422	155	7894639	1196	1200149	0	11387042	2224	108115	0	35455173	5935	1388945	223	4161469	0	9733	9225	10000
01/30/21	Sat	0.00	109577	128	7895835	1569	1200149	0	11389266	2547	108115	0	35461108	6012	1389168	0	4161469	390	10646	9235	15000
01/31/21	Sun	0.30	109705	128	7897404	1568	1200149	0	11391813	2546	108115	0	35467120	6012	1389168	0	4161859	389	10643	9250	15000
02/01/21	Mon		109833		7898972		1200149		11394359		108115		35473132		1389168		4162248		9265		
TOTAL		1.00		4821		51007	1		67275	67275	0		153670	153670	2813		6853				341000

Leakage Action Rates:
Phase 1/1A - 930 gpd
Phase 2 - 600 gpd
Phase 3 - 660 gpd
Total 1,719

Start Leachate in Storage

116,325
GALLONS

End Leachate in Storage

108,923
GALLONS



CITRUS COUNTY CENTRAL LANDFILL

DATE	DAY	RAIN IN INCHES	PHASE 1 AND 1A			PHASE 2			PHASE 3			7 ACRE		TOTAL 2, 3, MASTER LIFT STATION	Force Main Flow					
			80-1 (S) LS METER	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 METER #5 (P)	LIFT STATION FLOW GAL	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL	
02/01/21	Mon	0.00	109833	7896972	1283	1200149	0	11394359	2388	108115	0	35473132	7250	1389168	202	4162248	325	11698	9265	8000
02/02/21	Tue	0.00	110083	7900255	1776	1200149	0	11396747	2039	108115	0	35480382	4870	1389370	0	4162573	0	8871	9273	8000
02/03/21	Wed	0.00	110269	7902031	1421	1200149	0	11398786	2060	108115	0	35486252	5935	1389370	214	4162573	338	10149	9281	11000
02/04/21	Thu	0.00	110450	7903452	3023	1200149	0	11400846	2564	108115	0	35491187	6568	1389584	0	4162911	0	12306	9292	15000
02/05/21	Fri	0.00	110601	7906475	718	1200149	0	11403410	1735	108115	0	35497755	4161	1389584	0	4162911	343	7085	9307	10000
02/06/21	Sat	0.40	110729	7907193	1092	1200149	0	11405145	2210	108115	0	35501916	5674	1389584	214	4163254	0	9311	9317	8000
02/07/21	Sun	0.25	110850	7908285	1099	1200149	0	11407355	2274	108115	0	35507590	5678	1389798	0	4163254	766	9858	9325	8000
02/08/21	Mon	0.00	110993	7909384	1447	1200149	0	11409829	1800	108115	0	35513266	4914	1389798	202	4164020	0	8466	9333	15000
02/09/21	Tue	0.00	111096	7910831	1086	1200149	0	11411429	1925	108115	0	35518180	5480	1390000	0	4164020	303	8890	9348	8000
02/10/21	Wed	0.00	111192	7911917	769	1200149	0	11413354	2224	108115	0	35523660	4942	1390000	0	4164323	25	8077	9356	10000
02/11/21	Thu	0.00	111309	7912686	1339	1200149	0	11415578	2194	108115	0	35528602	5178	1390000	191	4164348	434	9437	9366	13000
02/12/21	Fri	0.00	111410	7914025	1224	1200149	0	11417772	1742	108115	0	35533780	6213	1390191	201	4164782	335	9799	9379	16000
02/13/21	Sat	0.70	111494	7915249	516	1200149	0	11419514	2986	108115	0	35539993	6610	1390392	198	4165117	340	10786	9395	12000
02/14/21	Sun	0.50	111630	7915765	453	1200149	0	11422500	1758	108115	0	35546603	6500	1390590	196	4165457	0	9012	9407	13000
02/15/21	Mon	0.50	111735	7916218	1133	1200149	0	11424258	2431	108115	0	35553103	8796	1390786	408	4165457	0	12889	9420	16000
02/16/21	Tue	1.20	111858	7917351	1062	1200149	0	11426689	1786	108115	0	35561899	6555	1391194	425	4165457	776	10780	9436	9000
02/17/21	Wed	0.00	112032	7918413	1743	1200149	0	11428475	2578	108115	0	35568454	7146	1391619	412	4166233	0	12016	9445	15000
02/18/21	Thu	0.25	112168	7920156	1527	1200150	0	11431053	2147	108115	0	35575600	6318	1392031	408	4166233	345	10819	9460	11000
02/19/21	Fri	1.00	112242	7921683	816	1200150	0	11433200	1833	108115	0	35581918	7117	1392439	208	4166578	0	10176	9471	11000
02/20/21	Sat	0.20	112444	7922499	2125	1200150	0	11435033	1993	108115	0	35589035	5905	1392647	312	4166578	387	10869	9482	11000
02/21/21	Sun	0.00	112591	7924624	2125	1200150	0	11437026	1993	108115	0	35594940	5905	1392959	313	4166965	388	10872	9493	12000
02/22/21	Mon	0.00	112739	7926749	2302	1200150	0	11439019	2628	108115	0	35600845	7527	1393272	405	4167353	0	12982	9505	15000
02/23/21	Tue	0.00	112859	7929051	1360	1200150	0	11441847	2090	108115	0	35608372	6454	1393677	208	4167353	345	10804	9520	10000
02/24/21	Wed	0.00	113007	7930411	902	1200149	0	11443737	1833	108115	0	35614826	5083	1393885	409	4167698	0	8336	9530	12000
02/25/21	Thu	0.00	113116	7931313	1415	1200149	0	11445570	2666	108115	0	35619909	7795	1394294	208	4167698	783	13011	9542	14000
02/26/21	Fri	0.00	113260	7932728	1618	1200149	0	11448236	1738	108115	0	35627704	4736	1394502	204	4168481	0	8393	9556	11000
02/27/21	Sat	0.00	113357	7934346	631	1200149	0	11449874	2199	108115	0	35632440	6671	1394706	309	4168481	169	10071	9567	11000
02/28/21	Sun	0.00	113449	7934977	631	1200149	0	11452173	2199	108115	0	35639111	6671	1395015	309	4168650	169	10071	9578	11000
03/01/21	Mon	0.00	113541	7935608	36636	1200149	0	11454372	60013	108115	0	35645782	172650	1395324	6156	4168819	6571	9589	324000	324000

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

Start Leachate in Storage

108,923
GALLONS

End Leachate in Storage

107,865
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	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	MASTERS LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL
03/01/21	Mon	0.00	113541	60	7935608	760	1200149	0	11454372	2174	108115	0	35645782	6269	1395324	207	4168819	0	9470	9589	14000
03/02/21	Tue	0.00	113601	91	7936368	1896	1200149	0	11456546	2586	108115	0	35652051	7006	1395531	209	4168819	335	12123	9603	20000
03/03/21	Wed	0.40	113692	156	7938264	71	1200149	0	11459132	2248	108115	0	35659057	6671	1395740	202	4169154	441	9789	9623	55000
03/04/21	Thu	0.00	113848	180	7938335	2168	1200149	0	11461380	2735	108115	0	35665728	9878	1395942	409	4169695	341	15711	9678	15000
03/05/21	Fri	0.00	114028	120	7940503	2466	1200149	0	11464115	1765	108115	0	35672506	6225	1396351	213	4169936	0	10789	9693	14000
03/06/21	Sat	0.00	114148	181	7942969	73	1200149	0	11465880	1789	108115	0	35681831	6698	1396564	211	4169936	170	9122	9707	10000
03/07/21	Sun	0.00	114329	182	7943042	73	1200149	0	11467669	1790	108115	0	35688529	6698	1396775	211	4170106	171	9125	9717	9000
03/08/21	Mon	0.40	114511	171	7943115	1411	1200149	0	11469459	2832	108115	0	35695227	8113	1396986	207	4170277	438	13172	9726	13000
03/09/21	Tue	0.00	114682	129	7944528	2175	1200149	0	11472291	2431	108115	0	35703340	7243	1397193	207	4170715	333	12518	9739	14000
03/10/21	Wed	0.00	114811	128	7946701	1233	1200149	0	11474722	1923	108115	0	35710583	6122	1397400	203	4171048	0	9609	9753	11000
03/11/21	Thu	0.00	114939	107	7947934	1176	1200149	0	11476845	1926	108115	0	35716705	5930	1397603	201	4171048	0	9340	9764	9000
03/12/21	Fri	0.00	115046	121	7949110	910	1200149	0	11478571	1797	108115	0	35722635	5591	1397804	0	4171048	343	8762	9773	12000
03/13/21	Sat	0.00	115167	113	7950020	1014	1200149	0	11480368	2277	108115	0	35728226	6598	1397804	196	4171391	218	10416	9785	15000
03/14/21	Sun	0.00	115280	114	7951034	1015	1200149	0	11482645	2277	108115	0	35734824	6598	1398000	197	4171609	219	10420	9800	14000
03/15/21	Mon	0.00	115394	114	7952049	803	1200149	0	11484922	1265	108115	0	35741422	6661	1398197	194	4171828	324	11361	9814	12000
03/16/21	Tue	0.00	115508	93	7952852	400	1200149	0	11486187	3596	108115	0	35750083	5859	1398391	210	4172152	0	10158	9826	12000
03/17/21	Wed	0.00	115601	90	7953252	914	1200149	0	11489783	2701	108115	0	35755942	7839	1398601	206	4172152	333	12082	9838	17000
03/18/21	Thu	0.00	115691	79	7954166	1212	1200148	0	11492484	1808	108115	0	35763781	5171	1398807	213	4172485	0	8483	9855	8000
03/19/21	Fri	0.10	115770	215	7955378	258	1200148	7	11494292	2038	108115	1	35768952	7592	1399020	208	4172485	775	11094	9863	11000
03/20/21	Sat	0.00	115985	167	7955636	1530	1200155	0	11496330	2139	108116	0	35776544	5794	1399228	101	4173260	0	9731	9874	13000
03/21/21	Sun	0.30	116152	167	7957166	1530	1200155	0	11498469	2139	108116	0	35782338	5794	1399329	101	4173260	0	9731	9887	12000
03/22/21	Mon	0.00	116319	160	7958696	1203	1200155	0	11500608	2819	108116	0	35788132	8230	1399430	217	4173260	334	12963	9899	14000
03/23/21	Tue	0.00	116479	123	7959899	465	1200155	0	11503427	2360	108116	0	35796362	6261	1399647	216	4173594	0	9425	9913	11000
03/24/21	Wed	0.00	116602	113	7960364	438	1200155	0	11505787	1925	108116	0	35802623	5754	1399863	206	4173594	775	9924	9924	10000
03/25/21	Thu	0.00	116715	64	7960802	258	1200155	0	11507712	1365	108116	0	35808377	5037	1400069	0	4174369	0	6724	9934	8000
03/26/21	Fri	0.00	116779	87	7961060	261	1200155	-1	11509077	2361	108116	0	35813414	5531	1400069	202	4174369	0	8441	9942	12000
03/27/21	Sat	0.00	116866	70	7961321	546	1200154	0	11511438	2048	108116	0	35818945	6093	1400271	213	4174369	167	9137	9954	11000
03/28/21	Sun	0.00	116936	70	7961867	547	1200154	0	11513486	2048	108116	0	35825038	6093	1400484	214	4174536	168	9141	9965	11000
03/29/21	Mon	0.00	117006	88	7962414	829	1200154	0	11515534	2935	108116	0	35831132	7748	1400698	0	4174704	431	12031	9976	14000
03/30/21	Tue	0.00	117094	72	7963243	597	1200154	0	11518469	1844	108116	0	35838860	5913	1400698	215	4175135	335	8976	9990	11000
03/31/21	Wed	0.75	117166	78	7963840	686	1200154	0	11520313	2282	108116	0	35844793	5395	1400913	207	4175470	0	8648	10001	12000
04/01/21	Thu		117244		7964526		1200154		11522595		108116		35850188		1401120		4175470		10013		
TOTAL		1.95		3703		28918		5		68223		1		204405		5796		6651		424000	

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

Start Leachate in Storage

107,865
GALLONS

End Leachate in Storage

50,760
GALLONS

REVIEWED BY

HENRY

04/05/2021
Shared/
Leachate Files