

Johnson, Sabrina O

From: Joshua L. Younce <Joshua.Younce@citrusbocc.com>
Sent: Wednesday, January 5, 2022 4:13 PM
To: SWD_Waste; Morgan, Steve; Madden, Melissa; Alexis Black (Alexis.Black@Floridadep.gov)
Cc: Dan S. Sherlock
Subject: 4th Quarter Leachate Report
Attachments: 4th Quarter Leachate Report 2021.pdf

EXTERNAL MESSAGE

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Dear Mr. Morgan:

Attached you'll find the Leachate Generation and Daily Precipitation Report for the 4th 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

January 5, 2022

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-01/027-SO-MM**
2021 4th 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 4th quarter of 2021.

There were no exceedances during the reporting period.

On 10/04/21, the Phase 2 Primary 1 Flowmeter failed, was inspected, and a new one was ordered. The Phase 2 panel and flowmeters were disconnected from service and a temporary panel was installed on 12/01/21. These panels are temporarily installed so that the new Electrical Panels for Phase 2 can be installed without affecting the Leachate Collection System. The flowmeters were temporarily out of service until 12/14/21, during this time the pumps were still fully functional.

The new Electrical Panels for Phase 2 have been built and are tentatively scheduled to be installed on 01/10/22.

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

Sincerely,

Dan Sherlock
Acting 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	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
10/01/21	Fri	0.00	126934	41	8194113	2503	1305129	745	11931772	2424	110381	0	36966654	5626	1451231	0	4214901	0	11339	12742	12
10/02/21	Sat	0.00	126975	105	8196616	6317	1305674	344	11934196	3652	110381	0	36972280	10273	1451231	285	4214901	403	21379	12754	25
10/03/21	Sun	0.00	127080	36	8202933	2300	1306218	323	11937848	2439	110381	0	36982553	10273	1451516	0	4215304	328	15699	12779	12
10/04/21	Mon	0.00	127116	0	8205233	0	1306541	-1000	11940287	0	110381	0	36992826	0	1451516	0	4215632	0	-1000	12791	11
10/05/21	Tue	0.00	127116	26	8205233	2345	1305541	822	11940287	2435	110381	0	36992826	5087	1451516	283	4215632	0	10998	12791	11
10/06/21	Wed	0.10	127142	18	8207578	2512	1306363	1206	11942722	1240	110381	0	36997913	6788	1451799	294	4215632	0	11764	12802	13
10/07/21	Thu	0.00	127160	25	8210090	0	1307569	525	11943962	2473	110381	0	37004701	4461	1451799	294	4215632	557	8335	12815	11
10/08/21	Fri	0.50	127185	40	8210090	4112	1308094	468	11946435	1240	110381	0	37009162	5344	1452093	0	4216189	0	11204	12826	11
10/09/21	Sat	0.10	127225	67	8214202	3402	1308562	553	11947675	1843	110381	0	37014506	6291	1452093	142	4216189	164	12462	12837	15
10/10/21	Sun	0.00	127292	67	8217604	3402	1309115	554	11949518	1843	110381	0	37020797	6292	1452235	142	4216189	164	12454	12852	15
10/11/21	Mon	0.00	127359	36	8221006	1877	1309669	-438	11951361	2472	110381	0	37027089	5951	1452377	0	4216517	0	9898	12867	11
10/12/21	Tue	0.00	127395	39	8222883	2971	1309231	773	11953833	1236	110381	0	37033040	4894	1452377	301	4216517	737	10951	12877	11
10/13/21	Wed	0.00	127434	41	8225854	3067	1310004	-146	11955069	2442	110381	0	37037934	6544	1452678	0	4217254	0	11948	12889	9
10/14/21	Thu	0.00	127475	43	8228921	1226	1309858	727	11957511	1224	110381	4	37044478	4688	1452678	0	4217254	0	7913	12898	11
10/15/21	Fri	0.00	127518	70	8230147	1421	1310585	-1443	11958735	2472	110385	0	37049167	4838	1452678	293	4217254	0	7651	12910	11
10/16/21	Sat	0.00	127568	84	8231568	1169	1309142	262	11961207	1221	110385	0	37054005	7327	1452971	0	4217254	366	10429	12921	16
10/17/21	Sun	0.00	127672	85	8232737	1169	1309404	263	11962428	1221	110385	131	37061332	7328	1452971	0	4217254	367	10564	12937	17
10/18/21	Mon	0.20	127757	111	8233906	1374	1309667	-292	11963649	2502	110516	46	37068660	3007	1452971	290	4217987	0	7038	12954	13
10/19/21	Tue	0.00	127868	99	8235280	2122	1309375	73	11966151	1243	110562	372	37071667	5274	1453261	282	4217987	325	5027	12967	11
10/20/21	Wed	0.00	127967	75	8237402	1535	1309448	-2003	11967394	1236	110934	0	37076941	5377	1453261	282	4217987	0	9193	12964	13
10/21/21	Thu	0.00	128042	90	8238937	2207	1307445	817	11971106	1245	110934	0	37080518	5855	1453543	0	4218312	0	11445	12978	11
10/22/21	Fri	0.00	128132	77	8241144	2869	1308252	247	11971106	1245	110934	0	37080518	5855	1453543	0	4218312	0	11445	12978	11
10/23/21	Sat	0.00	128208	59	8244013	0	1307222	-1287	11972351	1866	110934	43	37090620	4838	1453543	142	4218720	162	5823	13001	12
10/24/21	Sun	1.20	128268	60	8244013	0	1307222	-1287	11972351	1866	110934	44	37090620	4838	1453543	143	4218882	163	5828	13012	11
10/25/21	Mon	0.00	128328	38	8246190	1867	1307066	752	11974217	1867	110978	44	37095458	4838	1453685	279	4219045	403	9354	13037	8
10/26/21	Tue	0.30	128366	114	8244013	2177	1306687	379	11978604	1254	111022	9	37100296	6173	1453828	279	4219045	403	9354	13045	23
10/27/21	Wed	0.00	128480	101	8246190	1867	1307066	503	11979858	1265	111031	0	37111487	5018	1454107	275	4219448	329	7898	13068	10
10/28/21	Thu	0.00	128581	44	8248057	0	1307569	428	11981123	2483	111031	0	37115320	4677	1454107	275	4219448	329	7898	13068	10
10/29/21	Fri	0.90	128625	120	8248057	1615	1307997	911	11983606	1252	111031	0	37119997	5596	1454382	99	4219777	0	9494	13078	13
10/30/21	Sat	0.30	128745	131	8249672	74	1308908	97	11984858	1904	111031	0	37125593	4460	1454382	99	4219777	729	7494	13091	10
10/31/21	Sun	0.00	128876	132	8249746	74	1309005	97	11986762	1905	111031	0	37130053	4461	1454481	99	4220506	0	6768	13101	9
11/01/21	Mon	0.00	129008	2074	8249820	55707	1309102	3873	11988667	56895	111031	650	37134514	167860	1454580	3349	4220506	5605	13110	13110	368

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

Start Leachate in Storage **103,635** GALLONS

End Leachate in Storage **98,347** GALLONS

REVIEWED BY  Dan

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	80-2 (P) FLOW GAL	80-1 (P) LS METER	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	FORCE MAIN FLOW GAL
11/01/21	Mon	0.00	129008	137	8249820	780	1309102	295	11988667	1262	111031	1	37134514	5990	1454580	0	4220506	0	8465	13110	9
11/02/21	Tue	0.00	129145	104	8250600	330	1309397	-2848	11989929	1892	111032	94	37140504	4719	1454580	137	4220506	168	4596	13119	11
11/03/21	Wed	0.00	129249	104	8250930	330	1306549	0	11991821	1893	111126	0	37145223	4719	1454717	137	4220674	168	7351	13130	10
11/04/21	Thu	0.00	129353	116	8251260	1455	1306549	658	11993714	2511	111126	27	37149942	4614	1454854	241	4220842	0	9622	13140	14
11/05/21	Fri	1.40	129469	135	8252715	1233	1307207	462	11996225	1288	111153	0	37154556	3614	1455095	0	4220842	739	7471	13154	6
11/06/21	Sat	1.30	129604	171	8253948	2333	1307669	-1434	11997513	1273	111153	111	37158170	5252	1455095	140	4221581	506	8352	13160	14
11/07/21	Sun	0.00	129775	171	8256281	2333	1306235	0	11998786	1273	111264	0	37168674	5252	1455235	141	4222087	506	9676	13174	14
11/08/21	Mon	0.00	129946	141	8258614	1485	1306235	-1217	12000059	2547	111264	0	37173898	4979	1455376	283	4222593	0	8180	13188	10
11/09/21	Tue	0.00	130087	107	8260099	1779	1305018	683	12002606	1266	111264	10	37178877	4864	1455659	0	4222593	0	9097	13198	10
11/10/21	Wed	0.00	130194	97	8262517	639	1305701	-5632	12003872	2575	111274	0	37183741	6037	1455659	277	4223327	0	8286	13208	11
11/11/21	Thu	0.00	130291	92	8262517	4	1300069	868	12006447	1247	111274	6	37189778	5200	1455659	0	4223327	0	8254	13219	12
11/12/21	Fri	0.00	130383	104	8262521	21	1300937	178	12007694	2487	111280	19	37194978	4979	1455936	0	4223327	367	7970	13249	6
11/13/21	Sat	0.00	130487	132	8262542	226	1301115	367	12010181	1887	111299	12	37199957	5890	1455936	280	4224061	367	7960	13255	9
11/14/21	Sun	0.00	130619	132	8262768	227	1301482	367	12012068	1887	111311	0	37204937	4984	1455936	280	4224061	0	8984	13284	11
11/15/21	Mon	0.00	130751	144	8262995	938	1301849	478	12013955	1250	111311	0	37210831	5518	1455216	290	4224061	0	8984	13284	11
11/16/21	Tue	0.10	130895	117	8263933	1234	1302327	-1797	12015205	2506	111311	0	37216349	5150	1456506	0	4224061	0	7868	13275	17
11/17/21	Wed	0.00	131012	101	8265167	273	1300530	-539	12017711	1248	111311	0	37221499	4629	1456506	138	4224061	329	7714	13307	15
11/18/21	Thu	0.00	131113	85	8265440	0	1299991	677	12018959	1856	111311	0	37226128	4629	1456644	138	4224390	0	6709	13317	10
11/19/21	Fri	0.00	131198	86	8265440	0	1300688	806	12020815	1857	111311	0	37230757	5754	1456782	0	4224390	0	9556	13327	12
11/20/21	Sat	0.00	131283	102	8265440	814	1300668	806	12022672	1873	111311	0	37236511	5755	1456782	0	4224597	200	9551	13339	12
11/21/21	Sun	0.00	131385	101	8266254	815	1301474	806	12024545	1874	111311	0	37242266	4582	1456782	345	4224797	0	7870	13351	10
11/22/21	Mon	0.40	131486	125	8267069	44	1302280	280	12026419	2494	111311	0	37246848	4575	1457127	144	4224797	0	6163	13361	9
11/23/21	Tue	0.00	131611	132	8267113	18	1302560	176	12028913	1262	111311	0	37251423	5370	1457127	144	4224797	0	9984	13370	6
11/24/21	Wed	0.00	131743	135	8267131	1747	1303736	452	12030175	1876	111311	0	37256793	5370	1457271	145	4225057	261	9988	13376	7
11/25/21	Thu	0.00	131878	135	8268878	1748	1303640	922	12033928	1254	111311	0	37262163	4970	1457416	140	4225318	0	7431	13383	23
11/26/21	Fri	0.00	132013	132	8270626	153	1303660	-91	12035182	1861	111311	0	37267133	5479	1457416	140	4225318	164	7880	13406	10
11/27/21	Sat	0.00	132145	141	8270779	186	1304562	452	12037043	1862	111311	0	37272612	5480	1457566	141	4225482	164	7976	13416	10
11/28/21	Sun	0.00	132286	142	8270965	187	1304471	0	12038043	2498	111311	1	37278092	5500	1457697	0	4225646	380	7801	13428	12
11/29/21	Mon	0.00	132428	143	8271152	202	1304471	-923	12038905	2498	111311	0	37283592	4118	1457697	0	4226026	0	6279	13438	10
11/30/21	Tue	0.00	132571	121	8271354	429	1303548	368	12041403	1243	111312	0	37287710	153196	1457697	0	4226026	0	13448	13448	10
12/01/21	Wed	0.00	132692	8271783			1303916		12042646		111312		37287710	153196	1457697		4226026				
TOTAL		3.20		3684		21963		-5186		53979	281		153196		3117	5520					338

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

Start Leachate in Storage

96,347 GALLONS

End Leachate in Storage

101,520 GALLONS

REVIEWED BY:  Dan

CITRUS COUNTY CENTRAL LANDFILL

DATE	DAY	RAIN IN INCHES	PHASE 1 AND 1A			PHASE 2			PHASE 3			7 ACRE		TOTAL	Force Main Flow					
			Secondary 80-1 (S) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (P) FLOW GAL	Primary 80-1 (P) FLOW GAL	80-2 (P) LS METER	80-1 (P) LS METER	80-3 (S) FLOW GAL	Secondary 80-3 (S) FLOW GAL	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	FORCE MAIN FLOW GAL	
12/01/21	Wed	0.00	109	8271763	15	1303916	0	12042646	0	111312	0	37287710	4539	1457697	284	4226026	329	5276	13448	9
12/02/21	Thu	0.00	134	8271798	12	1303916	0	12042646	0	111312	0	37292249	5534	1457981	0	4226355	0	5680	13457	9
12/03/21	Fri	0.00	125	8271810	165	1303916	0	12042646	0	111312	0	37297783	4233	1457981	0	4226355	0	4523	13466	16
12/04/21	Sat	0.00	1303916	8271975	40	1303916	0	12042646	0	111312	0	37302016	4754	1457981	139	4226355	357	5400	13482	12
12/05/21	Sun	0.00	133170	8272015	41	1303916	0	12042646	0	111312	0	37306770	4754	1458120	140	4226712	357	5403	13494	12
12/06/21	Mon	0.00	133281	8272056	94	1303916	0	12042646	0	111312	0	37311924	5046	1458260	276	4227069	0	5416	13506	6
12/07/21	Tue	0.00	133375	8272056	104	1303916	0	12042646	0	111312	0	37316570	4900	1458536	0	4227069	0	5004	13512	11
12/08/21	Wed	0.00	133479	8272056	59	1303916	1	12042646	0	111312	0	37321470	5062	1458536	0	4227069	0	5122	13523	11
12/09/21	Thu	0.00	133538	8272057	103	1303916	19	12042646	0	111312	0	37326632	4808	1458536	289	4227069	407	5626	13534	10
12/10/21	Fri	0.00	133641	8272076	78	1303916	0	12042646	0	111312	0	37331340	4649	1458825	0	4227476	323	5050	13544	11
12/11/21	Sat	0.00	133719	8272076	74	1303916	0	12042646	0	111312	0	37335989	4466	1458825	144	4227799	0	4792	13555	10
12/12/21	Sun	0.00	133793	8272184	109	1303916	109	12042646	0	111312	0	37340455	4466	1458969	144	4227799	0	4794	13565	11
12/13/21	Mon	0.00	133868	8272283	222	1303916	222	12042646	0	111312	0	37344921	4346	1459113	0	4227799	0	4646	13576	9
12/14/21	Tue	0.00	133946	8272515	509	0	2046	12042646	0	111312	0	37349267	4956	1459113	284	4227799	417	8316	13585	10
12/15/21	Wed	0.00	134048	8273024	599	2046	2849	12042648	3	111312	276	37354223	5935	1459397	0	4228216	321	10055	13595	17
12/16/21	Thu	0.00	134120	8273623	264	4895	1433	12042651	1	111588	31	37360158	3114	1459397	0	4228537	0	4915	13612	4
12/17/21	Fri	0.00	134192	8273887	637	6328	2343	12042652	2	111619	99	37363272	4935	1459397	107	4228537	140	8357	13616	11
12/18/21	Sat	0.00	134286	8274524	65	8671	2360	12042654	0	111718	0	37368207	4773	1459504	140	4228877	272	7661	13627	11
12/19/21	Sun	0.00	134351	8274575	52	11031	2360	12042654	4	111718	1	37372980	4773	1459644	140	4228949	272	7668	13638	12
12/20/21	Mon	0.00	134417	8274627	1075	13391	2828	12042658	2	111719	0	37377753	5394	1459784	0	4229221	0	9479	13650	12
12/21/21	Tue	1.00	134596	8275702	0	16219	2375	12042660	1	111720	0	37383147	5447	1459784	273	4229221	0	8279	13662	9
12/22/21	Wed	0.10	134779	8275702	20	18594	1949	12042661	1	111720	1	37388594	3516	1460057	0	4229221	0	5631	13671	10
12/23/21	Thu	0.00	134922	8275722	1	20543	1962	12042663	1	111721	0	37392110	4304	1460057	0	4229221	726	7125	13681	8
12/24/21	Fri	0.00	135053	8275723	21	22505	2264	12042664	1	111721	0	37396414	4341	1460057	93	4229947	0	6838	13689	13
12/25/21	Sat	0.00	135171	8275744	0	24769	2264	12042665	1	111721	0	37400755	4341	1460150	93	4229947	0	6817	13702	13
12/26/21	Sun	0.00	135289	8275744	0	29299	2266	12042666	2	111721	0	37405096	4342	1460243	95	4229947	0	6823	13715	14
12/27/21	Mon	0.00	135407	8275744	0	31699	2400	12042668	2	111721	0	37409438	4615	1460338	273	4229947	0	7407	13729	9
12/28/21	Tue	0.00	135523	8275744	0	31699	2435	12042670	2	111722	0	37414053	4615	1460338	273	4229947	0	7407	13729	9
12/29/21	Wed	0.00	135636	8275744	0	34134	1958	12042672	1	111722	0	37419859	3619	1460611	0	4230351	404	8760	13738	2
12/30/21	Thu	0.00	135718	8275744	0	36092	2191	12042673	1	111722	0	37423478	3631	1460611	277	4230351	325	6668	13740	11
12/31/21	Fri	0.00	135780	8275744	0	36283	2191	12042674	1	111723	0	37427309	4398	1460888	69	4230676	135	6873	13751	12
01/01/22	Sat	1.10	135859	8275744	0	40474	40474	12042675	0	111723	0	37431707	1460957	1460957	0	4230811	0	13774	13763	11
TOTAL			3167	8275744	3961	40474	40474	12042675	29	411	143997	143997	3260	4785	3260	4785	3260	4785	13774	326

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

Start Leachate in Storage

101,520 GALLONS

End Leachate in Storage

103,635 GALLONS

REVIEWED BY 

Dan