

Smith, George

From: Matthew S. Baer <Matthew.Baer@citrusbocc.com>
Sent: Thursday, April 7, 2022 9:46 AM
To: SWD_Waste
Subject: FW: 2022 First Quarter Leachate Report
Attachments: FirstQuarterLeachateReport2022.pdf

EXTERNAL MESSAGE

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From: Matthew S. Baer
Sent: Thursday, April 7, 2022 9:40 AM
To: 'melissa.madden@floridadep.gov' <melissa.madden@floridadep.gov>; 'Taylor.Mandalou@floridadep.gov' <Taylor.Mandalou@floridadep.gov>
Cc: Dan S. Sherlock <DAN.SHERLOCK@citrusbocc.com>; Joshua L. Younce <Joshua.Younce@citrusbocc.com>
Subject: 2022 First Quarter Leachate Report

Dear Mr. Mandalou:

Attached you'll find the Leachate Generation and Daily Precipitation Report for the 1st Quarter of 2022 for the Citrus County Central Landfill.

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

Regards,

Matthew Baer
Compliance Manager
Citrus County Solid Waste Management Division
230 W. Gulf to Lake Hwy.
Lecanto, FL. 34461
Office: (352) 527-7679
Matthew.baer@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 5, 2022

Miss Melissa Madden
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**
2022 1st Quarter Leachate Generation and Daily Precipitation Report
WACS I.D. # 39859

Dear Miss Madden:

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 2022.

There were no exceedances during the reported period.

The installation of phase 2 panels was completed on 1/14/22 and are operating and fully functional. Phase 2 primary pumps flow readings on 1/6/22-1/12/22 were zero due to the installation of the panel.

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

Sincerely,

Dan Sherlock
Solid Waste Management Director

Enclosures (3)

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) 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 METER	LIFT STATION FLOW GAL	2, 3, MASTER LIFT STATION	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL																	
01/01/22	Sat	0.00	135559	79	8275744	0	40474	2191	12042675	3	111723	0	37431707	4398	1460957	95	4230777	34	6800	13774	11000																	
01/02/22	Sun	0.00	135938	79	8275744	0	42665	2191	12042678	0	111723	0	37436105	4400	1461052	115	4230811	271	7056	13785	11000																	
01/03/22	Mon	0.10	136017	595	8275744	11	44856	1996	12042678	1	111723	1	37440505	4054	1461167	0	4231082	0	6658	13796	10000																	
01/04/22	Tue	0.00	136612	-295	8275755	0	46852	2920	12042679	2	111724	0	37444559	5001	1461167	0	4231082	0	7628	13806	10000																	
01/05/22	Wed	0.00	136317	133	8275755	16	49772	2430	12042681	2	111724	0	37449560	4732	1461167	270	4231082	529	8112	13816	9000																	
01/06/22	Thu	0.00	136450	116	8275771	0	52202	0	12042683	0	111724	0	37454292	3602	1461437	0	4231611	27	3745	13825	11000																	
01/07/22	Fri	0.00	136566	124	8275771	0	52202	0	12042683	0	111724	0	37457894	3547	1461437	0	4231638	0	3671	13836	9000																	
01/08/22	Sat	0.00	136690	94	8275771	0	52202	0	12042683	0	111724	0	37461441	3952	1461437	146	4231638	147	4339	13845	9000																	
01/09/22	Sun	0.00	136784	94	8275771	0	52202	0	12042683	0	111724	0	37465393	3952	1461563	146	4231785	147	4339	13854	10000																	
01/10/22	Mon	0.00	136878	124	8275771	11	52202	0	12042683	0	111724	0	37469345	3953	1461729	276	4231932	0	4364	13864	10000																	
01/11/22	Tue	0.00	137002	167	8275782	0	52202	0	12042683	0	111724	0	37473298	4394	1462005	0	4231932	405	4966	13874	10000																	
01/12/22	Wed	0.00	137169	124	8275782	0	52202	0	12042683	0	111724	0	37477692	4652	1462005	0	4232337	0	4776	13884	11000																	
01/13/22	Thu	0.00	137293	139	8275782	6	52202	144	12042683	1402	111724	13	37482344	4394	1462005	287	4232337	0	6385	13895	9000																	
01/14/22	Fri	0.00	137432	148	8275786	3	52346	1438	12044085	1258	111737	1	37486738	4353	1462292	0	4232337	346	7201	13904	9000																	
01/15/22	Sat	0.00	137580	144	8275791	0	53784	1204	12045343	1863	111738	16	37491091	4560	1462292	0	4232337	347	8133	13913	11000																	
01/16/22	Sun	0.00	137724	144	8275791	2	54988	1205	12047206	1863	111754	-2	37495651	4561	1462292	0	4232683	347	8120	13924	11000																	
01/17/22	Mon	0.00	137668	153	8275793	3	56193	1477	12049069	1262	111752	4	37500212	3445	1462292	391	4233030	0	6731	13935	8000																	
01/18/22	Tue	0.00	138021	159	8275796	3	57670	1557	12050331	2507	111752	4	37503657	3683	1462683	0	4233030	0	7913	13943	8000																	
01/19/22	Wed	0.00	138180	147	8275799	12	59227	2431	12052838	1251	111756	10	37507340	4985	1462683	0	4233030	0	8836	13951	7000																	
01/20/22	Thu	0.00	138327	119	8275811	0	61658	777	12054089	1229	111766	13	37512325	3742	1462683	276	4233030	387	6543	13958	12000																	
01/21/22	Fri	0.00	138446	137	8275811	0	62435	1440	12055318	2482	111779	41	37516067	3274	1462956	0	4233417	0	7374	13970	11000																	
01/22/22	Sat	0.00	138583	193	8275811	85	63875	873	12057800	1232	111820	1	37519341	4098	1462956	0	4233417	0	6484	13981	14000																	
01/23/22	Sun	0.00	138776	194	8275896	85	64748	874	12059032	1232	111821	9	37523439	4099	1462956	0	4233417	305	6484	13995	14000																	
01/24/22	Mon	0.00	138970	225	8275981	36	65622	1171	12060264	2485	111830	2	37527538	5692	1462956	374	4233417	0	10297	14009	9000																	
01/25/22	Tue	0.10	139195	135	8276017	0	66793	369	12062749	1241	111830	0	37533230	2954	1463333	0	4233722	0	4699	14018	11000																	
01/26/22	Wed	0.40	139330	215	8276017	0	67162	1065	12063980	2481	111830	2	37536184	4274	1463333	1	4233722	0	8058	14029	10000																	
01/27/22	Thu	0.00	139545	149	8276017	0	68247	837	12066471	1243	111832	0	37540458	3603	1463334	397	4233722	0	5908	14039	9000																	
01/28/22	Fri	0.00	139694	160	8276017	8	68763	837	12067714	1245	111832	0	37544061	4004	1463731	0	4233722	0	6254	14048	0																	
01/29/22	Sat	0.00	139864	173	8276025	300	69600	801	12068959	1855	111832	15	37548065	2717	1463731	0	4233754	32	5893	14057	9000																	
01/30/22	Sun	0.00	140027	174	8276325	300	70401	801	12070814	1856	111847	0	37550782	2718	1463731	0	4233754	0	5849	14057	9000																	
01/31/22	Mon	0.00	140201	162	8276625	4	71202	512	12072670	1249	111847	4	37553500	5562	1463731	294	4233754	5	7792	14066	11000																	
02/01/22	Tue		140363		8276629		71714		12073919		111851		37559062		1464025		4233759			14077																		
TOTAL		0.60		4504		885		31240		31244		128		127355		3068		2982				303000																

Leachate 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

98,347
GALLONS

REVIEWED BY
DANIEL SHERLOCK
DEPT. DIRECTOR

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) 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	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL
02/01/22	Tue	0.00	140363	135	8276629	0	71714	1372	12073919	1255	111851	3	375589062	4277	1464025	0	4233759	0	7042	14077	10
02/02/22	Wed	0.00	140498	105	8276629	0	73086	1024	12075174	2522	111854	13	37563339	4201	1464025	0	4233759	17	7882	14087	10
02/03/22	Thu	0.00	140603	94	8276629	0	74110	532	12077696	1260	111867	0	37567540	3262	1464025	304	4233776	0	5452	14097	11
02/04/22	Fri	0.00	140897	28	8276629	0	74642	1060	12078956	1235	111867	0	37570802	3575	1464329	0	4233776	0	5698	14108	9
02/05/22	Sat	0.10	140725	207	8276629	0	75702	766	12080191	1254	111867	1	37574377	3976	1464329	0	4233776	0	6204	14117	10
02/06/22	Sun	0.10	140932	207	8276629	0	76468	767	12081445	1255	111868	0	37578353	3976	1464329	0	4233776	0	6205	14127	11
02/07/22	Mon	0.00	141139	189	8276629	0	77235	733	12082700	2502	111868	2	37582329	3903	1464329	306	4233776	15	7650	14138	11
02/08/22	Tue	0.30	141328	193	8276629	8	77968	1356	12085202	1270	111870	2	37590838	3326	1464635	0	4233791	0	7433	14149	5
02/09/22	Wed	0.30	141521	150	8276637	4	79324	768	12086472	1253	111870	2	37590838	3326	1464635	0	4233791	0	5503	14154	10
02/10/22	Thu	0.00	141671	148	8276641	13	80092	625	12087725	1219	111872	4	37594164	3485	1464635	0	4233791	0	5494	14164	10
02/11/22	Fri	0.00	141819	147	8276654	1	80717	723	12088944	2503	111876	5	37597649	4283	1464635	294	4237402	3611	11566	14174	10
02/12/22	Sat	0.00	141966	134	8276654	1	81440	534	12091447	1261	111881	0	37601932	3580	1464929	0	4237402	854	6364	14184	10
02/13/22	Sun	0.00	142100	134	8276655	2	81974	535	12092708	1261	111881	0	37605512	3581	1464929	0	4238266	854	6367	14194	10
02/14/22	Mon	0.00	142234	168	8276657	287	82509	1180	12093969	1255	111881	0	37609093	3488	1464929	0	4239110	868	7246	14204	13
02/15/22	Tue	0.00	142402	152	8276944	4	83689	1543	12095224	1254	111881	0	37612581	3728	1464929	308	4239878	703	7692	14217	10
02/16/22	Wed	0.00	142554	116	8276948	0	85232	1010	12096478	2507	111881	0	37616309	3991	1465237	0	4240681	887	8511	14227	11
02/17/22	Thu	0.00	142670	67	8276948	50	86242	844	12098985	1247	111881	0	37620300	3156	1465237	0	4241568	660	6024	14238	5
02/18/22	Fri	0.00	142737	90	8276998	0	87086	1024	12100232	1280	111881	0	37623456	3560	1465237	0	4242228	772	6726	14243	14
02/19/22	Sat	0.00	142827	136	8276998	178	88110	780	12101512	1879	111881	0	37627016	3585	1465237	154	4243000	695	7407	14257	6
02/20/22	Sun	0.00	142963	136	8277176	178	88890	779	12103391	1878	111881	0	37630601	3584	1465391	154	4243695	695	7404	14263	6
02/21/22	Mon	0.00	143099	92	8277354	0	89669	526	12105269	1270	111881	0	37634185	3960	1465545	0	4244390	869	6717	14269	10
02/22/22	Tue	0.00	143191	84	8277354	0	90195	522	12106539	1309	111881	0	37638145	3925	1465545	0	4245259	501	6341	14279	9
02/23/22	Wed	0.00	143275	120	8277354	0	90717	1040	12107848	2595	111881	0	37642070	3560	1465545	296	4245760	746	8357	14288	11
02/24/22	Thu	0.00	143395	89	8277354	0	91757	506	12110443	1286	111881	0	37645630	3596	1465841	0	4246506	704	8181	14299	9
02/25/22	Fri	0.00	143484	108	8277354	177	92263	926	12111729	1298	111881	0	37649226	4183	1465841	0	4247210	700	7392	14308	9
02/26/22	Sat	0.00	143592	109	8277531	197	93189	868	12113027	1928	111881	0	37653409	3748	1465841	149	4247910	622	7621	14317	14
02/27/22	Sun	0.00	143701	109	8277728	197	94057	868	12114955	1928	111881	0	37657157	3747	1465990	148	4248532	621	7618	14331	14
02/28/22	Mon	0.00	143810	145	8277925	11	94925	828	12116883	1302	111881	0	37660904	3969	1466138	0	4249153	870	7125	14345	0
03/01/22	Tue	0.00	143955	3592	8277936	1307	95753	24039	12118185	44266	111881	30	37664873	105811	1466138	2113	4250023	16264			268

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

Start Leachate in Storage
98,347 GALLONS

End Leachate in Storage
111,038 GALLONS

REVIEWED BY
DANIEL SHERLOCK
DEPT. DIRECTOR

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) 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	LEACHATE FORCE MAIN METER	FORCE MAIN FLOW GAL															
03/01/22	Tue	0.00	143955	135	8277936	142	95753	1228	12118185	1306	111881	0	37664873	3593	1466138	0	4250023	513	6917	14345	11000															
03/02/22	Wed	0.00	144090	150	8278078	549	96981	687	12119491	1305	111881	0	37668466	4038	1466138	0	4250536	738	7467	14356	12000															
03/03/22	Thu	0.00	144240	116	8278627	36	97668	1035	12120796	1271	111881	0	37672504	3274	1466138	303	4251274	519	6554	14368	9000															
03/04/22	Fri	0.00	144356	102	8278663	545	98703	569	12122067	1293	111881	0	37675778	3631	1466441	3	4251793	694	6837	14377	11000															
03/05/22	Sat	0.00	144458	90	8279208	422	99272	1121	12123360	1922	111881	0	37679409	3708	1466444	230	4252487	522	8015	14388	9000															
03/06/22	Sun	0.00	144548	89	8279650	422	100393	1120	12125282	1921	111881	0	37683117	3707	1466674	229	4253009	522	8010	14397	9000															
03/07/22	Mon	0.00	144548	86	8280052	213	101513	621	12127203	1300	111881	0	37686824	4376	1466903	0	4253531	678	7274	14406	9000															
03/08/22	Tue	0.00	144723	70	8280265	51	102134	1105	12128503	1286	111881	0	37691200	3928	1466903	0	4254209	561	6991	14415	12000															
03/09/22	Wed	2.50	144793	84	8280316	0	103239	1344	12129789	2649	111881	0	37695128	4140	1466903	0	4254760	878	9095	14427	13000															
03/10/22	Thu	1.20	144877	122	8280316	0	104583	566	12132438	1349	111881	0	37699268	3600	1466903	306	4255638	529	6462	14440	9000															
03/11/22	Fri	0.00	144999	99	8280316	590	105139	780	12133787	1357	111881	0	37702868	4511	1467209	0	4256167	877	8214	14449	10000															
03/12/22	Sat	0.00	145098	169	8280906	1557	105919	1215	12135144	1373	111881	0	37707379	3641	1467209	0	4257044	651	8606	14459	10000															
03/13/22	Sun	1.00	145267	168	8282463	1556	107134	1214	12136517	1372	111881	0	37714661	4094	1467209	0	4257695	660	8601	14469	10000															
03/14/22	Mon	0.10	145435	78	8284019	1131	108348	1259	12137889	1348	111881	0	37714661	4094	1467209	282	4258345	485	8617	14479	9000															
03/15/22	Tue	3.00	145513	191	8285150	2185	109607	706	12139237	2767	111881	0	37718755	4329	1467491	0	4258830	1399	11577	14488	20000															
03/16/22	Wed	0.00	145704	98	8287335	1089	110313	511	12142004	1376	111881	0	37723084	4540	1467491	0	4260229	1007	8621	14508	0															
03/17/22	Thu	0.00	145802	139	8288424	409	110824	1044	12143380	1490	111881	541	37727624	4033	1467491	296	4261236	680	8632	14508	0															
03/18/22	Fri	0.00	145941	88	8288833	136	111868	554	12144870	2721	112422	0	37731657	3724	1467787	0	4261916	676	7899	14508	16000															
03/19/22	Sat	0.00	146029	109	8288969	354	112422	1117	12147591	1346	112422	0	37735381	4370	1467787	0	4262592	607	7903	14524	0															
03/20/22	Sun	0.20	146138	103	8289323	354	113539	1116	12148937	1345	112422	0	37739751	4370	1467787	0	4263199	607	7901	14524	0															
03/21/22	Mon	0.00	146247	133	8289677	1201	114655	997	12150282	2665	112422	1	37744121	4440	1467787	291	4263806	512	9140	14524	43000															
03/22/22	Tue	0.00	146380	84	8289778	1221	115652	1870	12152947	2649	112423	1	37748561	4998	1468078	0	4264318	511	10026	14567	24000															
03/23/22	Wed	0.10	146464	81	8290999	446	117522	539	12154288	2649	112424	36	37753559	4099	1468078	0	4264829	372	8222	14567	24000															
03/24/22	Thu	0.60	146545	151	8291445	89	118061	988	12156937	1361	112460	1	37757658	4606	1468078	291	4265201	1445	8932	14591	12000															
03/25/22	Fri	0.00	146696	152	8291534	552	119049	1032	12158298	1358	112461	2	37762264	4640	1468369	0	4266646	449	8205	14603	0															
03/26/22	Sat	0.00	146848	131	8292086	828	120081	634	12159656	1996	112463	0	37766904	4097	1468369	139	4267145	525	8350	14603	14000															
03/27/22	Sun	0.00	146979	130	8292914	828	120715	633	12161652	1995	112463	0	37771001	4096	1468508	139	4267640	524	8345	14617	13000															
03/28/22	Mon	0.00	147109	112	8293742	300	121348	1096	12163647	1317	112463	0	37775097	4027	1468647	0	4268164	357	7209	14630	16000															
03/29/22	Tue	0.00	147221	92	8294042	281	122444	849	12164964	2654	112463	0	37779124	4019	1468647	0	4268621	495	8390	14646	11000															
03/30/22	Wed	0.00	147313	81	8294323	637	123293	1078	12167618	1314	112463	0	37783143	4818	1468647	285	4269016	351	8564	14657	13000															
03/31/22	Thu	0.00	147394	111	8294960	2277	124371	1085	12168932	2715	112463	0	37787961	4465	1468932	0	4269367	2176	12829	14670	0															
04/01/22	Fri	3.40	147505	3560	8297237	19301	125456	29703	53462	112463	582	37782426	127553	1468932	2794	4271543	21520			14670	325000															

Leakage Action Rates:

Phase 1/1A - 930 gpd

Phase 2 - 600 gpd

Phase 3 - 610 gpd

Total 1,719

Start Leachate in Storage

111,038 GALLONS

End Leachate in Storage

127,958 GALLONS

REVIEWED BY

DANIEL SHERLOCK

DEPT DIRECTOR

04/05/2022