

Johnson, Sabrina O

From: Joshua L. Younce <Joshua.Younce@citrusbocc.com>
Sent: Wednesday, October 14, 2020 1:41 PM
To: SWD_Waste; Morgan, Steve
Cc: Henry C. Norris; Dan S. Sherlock
Subject: 3rd Quarter Leachate Report
Attachments: 3rd Quarter Leachate Report 2020.pdf

Dear Mr. Morgan:

Attached you'll find the 3rd Quarter 2020 Leachate Generation and Daily Precipitation Report 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

October 7, 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-01/026-SO-MM**
2020 3rd 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 3rd quarter of 2020.

Phase 2 had an exceedance on 7/1/2020 & 7/6/2020.

The landfill has been working with a consultant that recently completed an evaluation of the Leachate collection system and its components. The landfill is currently in progress of reviewing the various upgrades from this evaluation and planning a course of action.

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) FLOW GAL	80-1 (P) LS METER	80-2 (P) FLOW GAL	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	FORCE MAIN FLOW GAL	
07/01/20	Wed	0.00	68	7585381	0	1631870	0	10791798	0	101702	1042	34297863	4845	1359446	193	4111644	355	6604	6733	4000	
07/02/20	Thu	0.60	43	7585381	1	1631870	-1	10791798	0	102744	0	34302808	4671	1359639	0	4111999	0	4714	6737	7000	
07/03/20	Fri	0.00	44	7585382	0	1631869	0	10791798	0	102744	0	34307479	4954	1359639	132	4111999	381	5512	6744	7000	
07/04/20	Sat	0.00	44	7585382	0	1631869	0	10791798	0	102744	0	34312434	4954	1359771	132	4112380	381	5511	6751	7000	
07/05/20	Sun	1.90	43	7585382	0	1631869	-1	10791798	0	102744	1	34317398	4954	1359903	131	4112761	382	5510	6758	7000	
07/06/20	Mon	0.80	62	7585382	4086	1631868	-1	10791798	0	102745	1905	34322342	4576	1360034	0	4113143	0	10628	6765	4000	
07/07/20	Tue	0.40	38	7589468	9014	1631867	0	10791798	0	104650	46	34326918	5405	1360034	197	4113143	360	15060	6769	28000	
07/08/20	Wed	0.20	20	7598482	0	1631867	0	10791798	0	104659	6	34332323	5896	1360231	0	4113503	0	5921	6797	9000	
07/09/20	Thu	2.30	22	7598482	0	1631866	231	10791798	224	104702	6	34338219	5329	1360231	189	4113503	364	6365	6806	11000	
07/10/20	Fri	1.00	13	7598482	0	1632097	64	10792022	169	104708	546	34343548	7698	1360420	396	4113867	805	9691	6817	13000	
07/11/20	Sat	0.00	45	7598482	2535	1632161	322	10792191	295	105254	116	34351246	8468	1360816	497	4114672	178	12456	6830	18000	
07/12/20	Sun	0.50	44	7601017	2534	1632463	322	10792486	295	105370	116	34359714	8468	1361313	497	4114850	178	12454	6848	19000	
07/13/20	Mon	0.00	31	7603551	0	1632805	-401	10792781	307	105486	92	34368182	7381	1361810	195	4115028	373	7978	6867	8000	
07/14/20	Tue	0.00	25	7603551	0	1632404	-613	10793088	407	105578	85	34375563	9255	1362005	199	4115401	0	9352	6875	9000	
07/15/20	Wed	1.20	89308	64	7603551	1	1631791	-1069	10793495	45322	105663	81	34384818	8127	1362198	191	4115757	53081	6884	51000	
07/16/20	Thu	0.20	29	7603552	0	1630722	165	10838817	11095	105744	72	34392945	7488	1362397	191	4116193	436	19476	6935	18000	
07/17/20	Fri	0.00	89401	55	7603552	0	1631020	-1063	10849912	8338	105816	65	34400433	6874	1362588	201	4116551	16024	6953	14000	
07/18/20	Sat	0.00	89456	41	7603552	0	1629957	-1064	10864425	6175	105945	64	34407307	6386	1362789	92	4116551	1877	6967	13000	
07/19/20	Sun	0.00	89497	41	7603552	0	1628883	-1533	10875484	4875	106008	55	34420079	7309	1362973	0	4116915	6982	9000		
07/20/20	Mon	0.00	89538	25	7603552	0	1628883	-1533	10875484	4875	106008	57	34427398	6256	1362973	205	4116915	8226	7001	9000	
07/21/20	Tue	0.10	89563	40	7603552	0	1627360	-3572	10875484	4875	106008	57	34433644	6615	1363178	207	4117280	10619	7010	13000	
07/22/20	Wed	0.40	89603	34	7603552	0	1623788	-1041	10880359	4303	106120	63	34440433	5382	1363720	207	4117718	7023	7035	10000	
07/23/20	Thu	1.00	89637	84	7603552	0	1622747	-1073	10884862	3923	106183	52	34440259	5831	1363385	0	4118066	7066	7035	31000	
07/24/20	Fri	0.00	89721	37	7603552	7336	1621674	-423	10888685	3521	106235	42	34446090	5894	1363385	225	4118066	7066	7035	31000	
07/25/20	Sat	0.00	89758	43	7610888	0	1621251	-1509	10892106	3371	106320	43	34451984	5383	1363610	110	4118066	7066	7035	31000	
07/26/20	Sun	0.90	89801	43	7610888	0	1619742	-1510	10895477	3371	106320	43	34457367	5382	1363720	109	4118066	7066	7035	31000	
07/27/20	Mon	0.40	89844	61	7610888	0	1618232	-167	10898948	3369	106363	42	34462749	5547	1363829	204	4118435	7085	7085	11000	
07/28/20	Tue	1.20	89905	80	7610888	0	1618065	-115	10902217	2910	106405	39	34466296	6150	1363829	204	4118435	7085	7085	11000	
07/29/20	Wed	0.10	89985	48	7610888	0	1617950	-1622	10905127	3321	106444	34	34474446	6177	1364033	439	4118808	7096	7096	11000	
07/30/20	Thu	0.00	90033	41	7610888	0	1616328	-2368	10908448	3799	106478	37	34480823	7556	1364472	422	4119975	7107	7107	13000	
07/31/20	Fri	2.50	90074	38	7610888	2618	1613960	-1780	10912247	3294	106515	39	34488179	6603	1364894	212	4119975	7120	7120	11000	
08/01/20	Sat		90112	1612180	10915541	1612180															31000
TOTAL	15.70		1347	-19690	28125	162180	10915541	10915541	123743	4852	196919	1365106	5660	8693	349649	7162	429000				


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

Start Leachate in Storage

End Leachate in Storage

103,635
GALLONS

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	80-1 (S) FLOW GAL	80-2 (P) LS METER	Primary 80-2 (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	FORCE MAIN FLOW GAL
08/01/20	Sat	0.00	90112	35	7613506	608	1612180	-2093	10915841	3503	106554	30	34484782	7884	1365106	412	4120337	181	10558	7162	14000
08/02/20	Sun	0.20	90147	35	7614112	608	1610087	-2094	10919044	3502	106584	29	34502666	7883	1365518	411	4120518	181	10553	7176	14000
08/03/20	Mon	0.00	90182	30	7614718	0	1607993	-614	10922846	3315	106613	25	34510549	7588	1365929	219	4120699	441	10970	7190	9000
08/04/20	Tue	0.00	90212	30	7614718	0	1607379	-1308	10925861	3341	106638	27	34518107	5940	1366144	209	4121140	352	8591	7199	11000
08/05/20	Wed	1.40	90242	57	7614718	995	1606071	-1670	10929202	3369	106665	32	34524047	6924	1366353	0	4121492	369	10076	7210	5000
08/06/20	Thu	0.30	90299	60	7615713	0	1604401	-2130	10932571	3342	106697	22	34530971	6605	1366353	423	4121861	0	8322	7215	0
08/07/20	Fri	0.00	90359	58	7615713	0	1602271	-4225	10935913	2879	106719	23	34537576	6480	1366776	218	4121861	357	5770	7215	44000
08/08/20	Sat	0.00	90417	51	7615713	0	1598046	-6031	10938792	3363	106742	25	34544036	6733	1366994	106	4122218	394	4641	7259	12000
08/09/20	Sun	0.00	90468	50	7615713	0	1592015	-6032	10942155	3352	106767	24	34550769	6732	1367100	105	4122612	394	4635	7271	12000
08/10/20	Mon	0.00	90518	41	7615713	0	1585993	-4427	10945517	3397	106791	18	34557501	7197	1367417	212	4123006	0	6378	7283	10000
08/11/20	Tue	0.20	90559	64	7615713	0	1581556	-3779	10948854	2891	106809	17	34564698	6703	1367417	209	4123006	359	6464	7293	9000
08/12/20	Wed	0.20	90623	55	7615713	0	1577777	-5057	10951745	3399	106826	22	34571401	5888	1367626	0	4123365	0	4307	7302	11000
08/13/20	Thu	0.20	90678	45	7615713	6943	1572720	-5723	10955144	2804	106848	9	34577289	6957	1367626	211	4123365	0	11246	7313	25000
08/14/20	Fri	0.00	90723	33	7622656	0	1566997	-3957	10957948	3423	106857	30	34584246	5681	1367837	0	4123365	423	5633	7338	20000
08/15/20	Sat	0.00	90756	31	7622656	0	1563040	-4540	10961371	3115	106887	8	34588927	6160	1367837	105	4123788	372	5251	7358	7000
08/16/20	Sun	0.10	90787	30	7622656	0	1558500	-4540	10964486	3115	106895	8	34596087	6159	1367942	104	4124160	373	5249	7365	6000
08/17/20	Mon	1.20	90817	61	7622656	0	1553960	-4725	10970435	2834	106903	20	34602246	5113	1368046	204	4124533	0	3507	7371	0
08/18/20	Tue	0.00	90878	56	7622656	0	1549235	-4472	10970435	3346	106923	17	34607359	5434	1368250	207	4124533	369	4977	7371	17000
08/19/20	Wed	0.00	90934	51	7622656	0	1544763	-6022	10973781	2843	106940	6	34612793	5895	1368457	0	4124902	0	2773	7388	8000
08/20/20	Thu	1.80	90985	83	7622656	2887	1538741	-2093	10976624	3220	106946	24	34618688	5853	1368457	212	4124902	376	10562	7396	5000
08/21/20	Fri	0.70	91068	80	7625543	167	1536648	-3109	10979844	2822	106970	11	34624541	5711	1368669	212	4125278	796	6150	7401	37000
08/22/20	Sat	0.00	91148	47	7625710	0	1533539	-1668	10982666	3092	106981	14	34629712	6812	1368881	319	4126074	185	8801	7438	11000
08/23/20	Sun	0.10	91195	47	7625710	0	1531871	-1669	10985758	3092	106995	13	34636524	6811	1369200	318	4126259	185	8797	7449	10000
08/24/20	Mon	0.60	91242	53	7625710	0	1530202	-3655	10988850	2878	107008	44	34643335	5592	1369518	0	4126444	343	5255	7459	14000
08/25/20	Tue	0.50	91295	27	7625710	0	1526547	-1917	10991728	3160	107052	10	34648927	6823	1369518	209	4126787	366	8678	7473	10000
08/26/20	Wed	0.00	91322	16	7625710	0	1524630	654	10994888	3286	107062	0	34655750	7015	1369927	217	4127153	18	11206	7483	10000
08/27/20	Thu	1.20	91338	58	7625710	1	1525284	-7751	10998174	3291	107062	15	34662765	8293	1369944	205	4127171	783	4895	7493	14000
08/28/20	Fri	0.00	91396	16	7625711	3292	1517533	207	11001465	2787	107077	0	34671058	5913	1370149	419	4127954	368	13012	7507	28000
08/29/20	Sat	0.00	91412	58	7629003	156	1517740	-10087	11004262	3452	107077	20	34675971	7370	1370568	317	4128322	184	1471	7535	14000
08/30/20	Sun	1.60	91471	58	7629159	155	1507653	-10087	11007714	3452	107097	19	34684341	7370	1370885	317	4128506	183	1468	7549	14000
08/31/20	Mon	2.10	91530	64	7629314	0	1497566	-13177	11011166	3309	107116	1	34691711	7362	1371202	641	4128689	355	-1445	7563	14000
09/01/20	Tue		91594		7629314		1484369		11014475		107117		34699073		1371843		4129044				
TOTAL			12.40	1482		15808		-127791		98934		563		204291		6737		8707			415000

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GALLONS

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