Smith, George

From: Brandy J. Yunko <Brandy.Yunko@citrusbocc.com>
Sent: Thursday, October 13, 2016 2:08 PM
To: SWD_Waste (Shared Mailbox)
Cc: JEFFREY W. ROGERS; Ed Hilton (ehilton@scsengineers.com)
Subject: WACS 39859 Citrus Count Quarterly Report
Attachments: Leachate Generation 3rd Q 2016.pdf

Submitted on behalf of Henry Norris, Director, Solid Waste Management.

Thank you,

Brandy Yunko
Compliance Manager
Citrus County Division of Solid Waste Management
230 W. Gulf to Lake Hwy
Lecanto, FL 34461
Office: 352-527-7670
Direct: 352-527-7679
Fax: 352-527-7672
Brandy.Yunko@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
TDD Telephone 527-5303
Email: landfillinfo@bocc.citrus.fl.us
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

October 13, 2016

Department of Environmental Protection
Solid Waste Section
13051 N Telecom Pkwy
Temple Terrace, Fl 33637-0926

Re: **Citrus County Central Landfill**
Permit No. 21375-018-SO-01 (July)
Permit No. 21375-025-SO-01 (August & September)
Leachate Generation and Daily Precipitation Report – 3rd Quarter 2016
WACS I.D. # 39859 - Electronic Submittal

Gentlemen:

In compliance with Specific Condition C.8.e.2, of the above referenced permit, enclosed please find the quarterly Leachate Generation and Daily Precipitation Report for the months of July, August and September 2016, together with the Year-to-Date Leachate Tracking Summary.

Attached please find the summary of the secondary exceedances for Phase 3 for the months of August and September. There were no exceedances during the month of October.

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

Sincerely,

Henry C. Norris, Jr.
Director, Citrus County
Division of Solid Waste Management

HCN: BJY

CC: Jeff Rogers, P.E., Director, Department of Public Works (Electronic)
Ed Hilton, SCS Engineers – Tampa Office (Electronic)

BJY:F:\Shared\DPW\SWM\FDEP Leachate Files\Leachate Files\DEP Letters (BJY)\Letters 2016\FDEP 10.13.16.doc

CITRUS COUNTY CENTRAL LANDFILL
LEACHATE GALLONS

MONTH	RAIN DATA	7-ACRE TOTAL OF LEACHATE	80-ACRE TOTAL OF PRIMARY LEACHATE PHASE 1,1A, 2 & 3	80-ACRE TOTAL OF SECONDARY LEACHATE PHASE 1,1A, 2 & 3	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL INFLUENT LEACHATE	HAULED LEACHATE (RAW) FOR DISPOSAL OFF-SITE	FORCE MAIN LEACHATE (RAW) FOR DISPOSAL OFF-SITE	EFFLUENT DISPOSAL ON-SITE	TOTAL DISPOSAL	BALANCE
JANUARY	5.50	11170	401476	16427	0	429073	0	404000	0	404000	25073
FEBRUARY	4.10	9836	522781	13040	0	545657	0	379000	0	379000	166657
MARCH	4.50	10385	799802	8651	0	818838	0	331000	0	331000	487838
APRIL	2.60	9370	538654	7985	0	556009	0	250000	0	250000	306009
MAY	6.20	10415	745199	12038	0	767652	0	424000	0	424000	343652
JUNE	8.60	9450	1447559	15944	0	1472953	0	678000	0	678000	794953
JULY	2.10	8739	685261	6005	0	700005	0	179000	0	179000	521005
AUGUST	9.70	15146	729373	12152	0	756671	0	401000	0	401000	355671
SEPTEMBER	10.70	13154	879682	26327	0	919163	0	617000	0	617000	302163
OCTOBER	0.00	0	0	0	0	0	0	0	0	0	0
NOVEMBER	0.00	0	0	0	0	0	0	0	0	0	0
DECEMBER	0.00	0	0	0	0	0	0	0	0	0	0
											0
YTD TOTAL	**54**	**97665**	**6749787**	**118569**	**0**	**6966021**	**0**	**3663000**	**0**	**3663000**	**3303021**

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA

DATE	DAY	RAIN DATA	80-ACRE TOTAL SECONDARY PHASE 1, 1A, 2 & 3	80-ACRE TOTAL PRIMARY PHASE 1, 1A, 2 & 3	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	**TOTAL LEACHATE GENERATED**	HAULED LEACHATE (RAW) FOR DISPOSAL OFF SITE	FORCE MAIN LEACHATE (RAW) FOR DISPOSAL OFF SITE	**TOTAL LEACHATE (RAW) DISPOSED OFF SITE**	BALANCE
7/1/16	Fri	0.00	276	12947	430	0	13653	0	11000	11000	
7/2/16	Sat	0.00	350	14876	131	0	15357	0	10000	10000	
7/3/16	Sun	0.00	350	14877	131	0	15358	0	10000	10000	
7/4/16	Mon	0.00	549	14879	129	0	15557	0	11000	11000	
7/5/16	Tue	0.00	647	68093	0	0	68740	0	7000	7000	
7/6/16	Wed	0.00	150	11497	370	0	12017	0	10000	10000	
7/7/16	Thu	0.00	150	11550	0	0	11700	0	7000	7000	
7/8/16	Fri	0.00	272	7707	488	0	8467	0	6000	6000	
7/9/16	Sat	0.00	146	13410	225	0	13781	0	6000	6000	
7/10/16	Sun	0.00	163	10169	117	0	10449	0	6000	6000	
7/11/16	Mon	0.00	291	23963	0	0	24254	0	2000	2000	
7/12/16	Tue	0.00	53	50906	0	0	50959	0	5000	5000	
7/13/16	Wed	0.00	511	13353	412	0	14276	0	8000	8000	
7/14/16	Thu	0.10	24	23677	0	0	23701	0	1000	1000	
7/15/16	Fri	0.00	273	86547	0	0	86820	0	1000	1000	
7/16/16	Sat	0.00	149	58033	219	0	58401	0	4000	4000	
7/17/16	Sun	0.10	147	58030	219	0	58396	0	4000	4000	
7/18/16	Mon	0.00	18	9014	441	0	9473	0	5000	5000	
7/19/16	Tue	0.00	19	8431	0	0	8450	0	6000	6000	
7/20/16	Wed	0.00	22	7638	417	0	8077	0	5000	5000	
7/21/16	Thu	0.00	299	5941	0	0	6240	0	5000	5000	
7/22/16	Fri	0.00	24	8578	0	0	8602	0	0	0	
7/23/16	Sat	0.00	78	39452	217	0	39747	0	0	0	
7/24/16	Sun	0.00	76	39449	217	0	39742	0	0	0	
7/25/16	Mon	0.00	299	32061	1064	0	33424	0	0	0	
7/26/16	Tue	0.00	47	5544	764	0	6355	0	14000	14000	
7/27/16	Wed	0.20	40	7405	705	0	8150	0	12000	12000	
7/28/16	Thu	0.00	54	5118	569	0	5741	0	9000	9000	
7/29/16	Fri	0.50	319	8611	274	0	9204	0	6000	6000	
7/30/16	Sat	1.20	105	4753	600	0	5458	0	4000	4000	
7/31/16	Sun	0.00	104	8752	600		9456		4000	4000	
TOTALS		**2.10**	**6005**	**685261**	**8739**	**0**	**700005**	**0**	**179000**	**179000**	**521005**

PHASE 1, 1A, 2 & 3 TOTAL ACRES 32.6 - 6.8 OPEN, 25.8 INTERMEDIATE, 0.0 CLOSED

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA

DATE	DAY	RAIN DATA	80-ACRE TOTAL SECONDARY PHASE 1, 1A, 2 & 3	80-ACRE TOTAL PRIMARY PHASE 1, 1A, 2 & 3	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	**TOTAL LEACHATE GENERATED**	HAULED LEACHATE (RAW) FOR DISPOSAL OFF SITE	FORCE MAIN LEACHATE (RAW) FOR DISPOSAL OFF SITE	**TOTAL LEACHATE (RAW) DISPOSED OFF SITE**	BALANCE
8/1/16	Mon	0.00	181	6001	736	0	6918	0	3000	3000	
8/2/16	Tue	0.00	327	10997	305	0	11629	0	7000	7000	
8/3/16	Wed	0.00	35	9062	730	0	9827	0	6000	6000	
8/4/16	Thu	0.00	94	12914	297	0	13305	0	13000	13000	
8/5/16	Fri	0.00	344	15067	1375	0	16786	0	15000	15000	
8/6/16	Sat	1.75	427	33226	326	0	33979	0	11000	11000	
8/7/16	Sun	1.75	426	33223	327	0	33976	0	11000	11000	
8/8/16	Mon	0.70	774	44664	373	0	45811	0	31000	31000	
8/9/16	Tue	0.20	866	46378	308	0	47552	0	32000	32000	
8/10/16	Wed	0.70	685	40367	1123	0	42175	0	33000	33000	
8/11/16	Thu	0.00	733	39051	300	0	40084	0	15000	15000	
8/12/16	Fri	0.00	439	30679	763	0	31881	0	16000	16000	
8/13/16	Sat	0.00	559	17003	316	0	17878	0	7000	7000	
8/14/16	Sun	0.80	609	17001	315	0	17925	0	6000	6000	
8/15/16	Mon	0.00	731	13974	681	0	15386	0	0	0	
8/16/16	Tue	0.00	716	12027	306	0	13049	0	12000	12000	
8/17/16	Wed	0.00	466	13933	674	0	15073	0	0	0	
8/18/16	Thu	0.00	440	86007	65	0	86512	0	0	0	
8/19/16	Fri	0.00	201	62503	277	0	62981	0	19000	19000	
8/20/16	Sat	0.00	205	23896	473	0	24574	0	20000	20000	
8/21/16	Sun	0.00	197	23895	474	0	24566	0	19000	19000	
8/22/16	Mon	0.00	297	18398	716	0	19411	0	9000	9000	
8/23/16	Tue	0.00	244	13152	308	0	13704	0	8000	8000	
8/24/16	Wed	0.00	307	13285	303	0	13895	0	9000	9000	
8/25/16	Thu	0.00	70	12578	688	0	13336	0	5000	5000	
8/26/16	Fri	0.00	127	7948	299	0	8374	0	30000	30000	
8/27/16	Sat	0.00	396	11803	493	0	12692	0	32000	32000	
8/28/16	Sun	0.40	394	11802	492	0	12688	0	32000	32000	
8/29/16	Mon	1.00	99	13499	298	0	13896	0	0	0	
8/30/16	Tue	0.90	376	13479	686	0	14541	0	0	0	
8/31/16	Wed	1.50	387	21561	319		22267		0		
TOTALS		**9.70**	**12152**	**729373**	**15146**	**0**	**756671**	**0**	**401000**	**401000**	**355671**

PHASE 1, 1A, 2 & 3 TOTAL ACRES 32.6 - 6.8 OPEN, 25.8 INTERMEDIATE, 0.0 CLOSED

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA

DATE	DAY	RAIN DATA	80-ACRE TOTAL SECONDARY PHASE 1, 1A, 2 & 3	80-ACRE TOTAL PRIMARY PHASE 1, 1A, 2 & 3	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	**TOTAL LEACHATE GENERATED**	HAULED LEACHATE (RAW) FOR DISPOSAL OFF SITE	FORCE MAIN LEACHATE (RAW) FOR DISPOSAL OFF SITE	**TOTAL LEACHATE (RAW) DISPOSED OFF SITE**	BALANCE
9/1/16	Thu	2.90	1464	67609	824	0	69897	0	9000	9000	
9/2/16	Fri	0.10	3403	80442	328	0	84173	0	42000	42000	
9/3/16	Sat	0.40	1708	54940	361	0	57009	0	39000	39000	
9/4/16	Sun	1.10	2029	58588	802	0	61419	0	38000	38000	
9/5/16	Mon	0.10	2061	52121	310	0	54492	0	38000	38000	
9/6/16	Tue	**0.00**	1373	45617	328	0	47318	0	21000	21000	
9/7/16	Wed	**0.00**	913	34516	707	0	36136	0	25000	25000	
9/8/16	Thu	**0.00**	648	25083	316	0	26047	0	18000	18000	
9/9/16	Fri	**0.00**	605	18021	0	0	18626	0	18000	18000	
9/10/16	Sat	0.00	502	20340	541	0	21383	0	20000	20000	
9/11/16	Sun	0.00	502	20339	540	0	21381	0	19000	19000	
9/12/16	Mon	**0.60**	371	18045	709	0	19125	0	18000	18000	
9/13/16	Tue	**0.60**	425	17995	312	0	18732	0	18000	18000	
9/14/16	Wed	0.10	406	18139	253	0	18798	0	18000	18000	
9/15/16	Thu	0.40	402	22366	706	0	23474	0	18000	18000	
9/16/16	Fri	0.00	383	21833	0	0	22216	0	16000	16000	
9/17/16	Sat	0.00	1058	31068	554	0	32680	0	15000	15000	
9/18/16	Sun	1.50	1057	31067	557	0	32681	0	15000	15000	
9/19/16	Mon	**0.10**	1426	31038	322	0	32786	0	14000	14000	
9/20/16	Tue	**0.00**	943	30424	714	0	32081	0	16000	16000	
9/21/16	Wed	0.00	148	18735	301	0	19184	0	42000	42000	
9/22/16	Thu	**0.00**	144	19731	0	0	19875	0	31000	31000	
9/23/16	Fri	**0.00**	1167	19719	662	0	21548	0	16000	16000	
9/24/16	Sat	0.00	267	14337	270	0	14874	0	10000	10000	
9/25/16	Sun	0.5	266	14337	269	0	14872	0	10000	10000	
9/26/16	Mon	0.2	465	15366	771	0	16602	0	17000	17000	
9/27/16	Tue	0	406	14030	38	0	14474	0	9000	9000	
9/28/16	Wed	1.8	460	17885	610	0	18955	0	0	0	
9/29/16	Thu	0.3	668	23687	333	0	24688	0	25000	25000	
9/30/16	Fri	0	657	22264	716	0	23637	0	22000	22000	
TOTALS		**10.70**	**26327**	**879682**	**13154**	**0**	**919163**	**0**	**617000**	**617000**	**302163**

PHASE 1, 1A, 2 & 3 TOTAL ACRES 32.6 - 6.8 OPEN, 25.8 INTERMEDIATE, 0.0 CLOSED

Secondary Exceedances

			PHASE 3					
DATE	DAY	RAIN IN INCHES	80 (P-1) LS METER	POC	Primary 80 (P-1) FLOW GAL	80 (P-2) LS METER	POC	Secondary 80 (P-2) FLOW GAL
08/01/16	Mon	0.00	22456140	A	5918	879472	A	1
08/02/16	Tue	0.00	22462058	A	4541	879473	A	257
08/03/16	Wed	0.00	22466599	A	4805	879730	A	1
08/04/16	Thu	0.00	22471404	A	6233	879731	A	30
08/05/16	Fri	0.00	22477637	A	6108	879761	A	267
08/06/16	Sat	**1.75**	22483745	A	21787	880028	A	263
08/07/16	Sun	**1.75**	22505532	A	21786	880291	A	262
08/08/16	Mon	**0.70**	22527318	A	32053	880553	A	502
08/09/16	Tue	**0.20**	22559371	A	31214	881055	A	773
08/10/16	Wed	**0.70**	22590585	A	29774	881828	A	612
08/11/16	Thu	0.00	22620359	A	27583	882440	A	679
08/12/16	Fri	0.00	22647942	A	22393	883119	A	385
08/13/16	Sat	0.00	22670335	A	16102	883504	A	487
08/14/16	Sun	**0.80**	22686437	A	16101	883991	A	537
08/15/16	Mon	0.00	22702538	A	13389	884528	A	679
08/16/16	Tue	0.00	22715927	A	11678	885207	A	662
08/17/16	Wed	0.00	22727605	A	13682	885869	A	405
08/18/16	Thu	0.00	22741287	A	14162	886274	A	367
08/19/16	Fri	0.00	22755449	A	5645	886641	A	155
08/20/16	Sat	0.00	22761094	A	13989	886796	A	141
08/21/16	Sun	0.00	22775083	A	13988	886937	A	140
08/22/16	Mon	0.00	22789071	A	13579	887077	A	254
08/23/16	Tue	0.00	22802650	A	9123	887331	A	197
08/24/16	Wed	0.00	22811773	A	9239	887528	A	264
08/25/16	Thu	0.00	22821012	A	10179	887792	A	24
08/26/16	Fri	0.00	22831191	A	4666	887816	A	1
08/27/16	Sat	0.00	22835857	A	9373	887817	A	252
08/28/16	Sun	**0.40**	22845230	A	9373	888069	A	251
08/29/16	Mon	**1.00**	22854603	A	10337	888320	A	4
08/30/16	Tue	**0.90**	22864940	A	10338	888324	A	284
08/31/16	Wed	**1.50**	22875278	A	17613	888608	A	258
			22892891			888866		
TOTAL		**9.70**			**436751**			**9394**

Secondary Exceedances

			PHASE 3					
DATE	DAY	RAIN IN INCHES	80 (P-1) LS METER	POC	Primary 80 (P-1) FLOW GAL	80 (P-2) LS METER	POC	Secondary 80 (P-2) FLOW GAL
09/01/16	Thu	2.90	22892891	A	60868	888866	A	1345
09/02/16	Fri	0.10	22953759	A	70112	890211	A	3315
09/03/16	Sat	0.40	23023871	A	47292	893526	A	1601
09/04/16	Sun	1.10	23071163	A	51026	895127	A	1908
09/05/16	Mon	0.10	23122189	A	45432	897035	A	1947
09/06/16	Tue	0.00	23167621	A	39718	898982	A	1263
09/07/16	Wed	0.00	23207339	A	28706	900245	A	769
09/08/16	Thu	0.00	23236045	A	20088	901014	A	504
09/09/16	Fri	0.00	23256133	A	14681	901518	A	515
09/10/16	Sat	0.00	23270814	A	16180	902033	A	380
09/11/16	Sun	0.00	23286994	A	16179	902413	A	380
09/12/16	Mon	0.60	23303173	A	14612	902793	A	257
09/13/16	Tue	0.60	23317785	A	14571	903050	A	258
09/14/16	Wed	0.10	23332356	A	14810	903308	A	274
09/15/16	Thu	0.40	23347166	A	18991	903582	A	264
09/16/16	Fri	0.00	23366157	A	18521	903846	A	275
09/17/16	Sat	0.00	23384678	A	26902	904121	A	923
09/18/16	Sun	1.50	23411580	A	26901	905044	A	923
09/19/16	Mon	0.10	23438481	A	27661	905967	A	1297
09/20/16	Tue	0.00	23466142	A	26364	907264	A	808
09/21/16	Wed	0.00	23492506	A	16055	908072	A	5
09/22/16	Thu	0.00	23508561	A	16396	908077	A	4
09/23/16	Fri	0.00	23524957	A	16427	908081	A	981
09/24/16	Sat	0.00	23541384	A	11514	909062	A	132
09/25/16	Sun	0.50	23552898	A	11514	909194	A	132
09/26/16	Mon	0.20	23564412	A	12975	909326	A	247
09/27/16	Tue	0.00	23577387	A	10828	909573	A	246
09/28/16	Wed	1.80	23588215	A	14710	909819	A	279
09/29/16	Thu	0.30	23602925	A	20498	910098	A	492
09/30/16	Fri	0.00	23623423	A	19071	910590	A	490
			23642494			911080		
TOTAL		10.70			749603			22214