



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@bcc.citrus.fl.us

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

July 11, 2013

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

Dept. of Environmental Protection

JUL 15 2013

Southwest District

Re: **Citrus County Central Landfill - Permit No. 21375-018-SO/01**
Leachate Generation and Daily Precipitation Report

Dear Ms. Pelz:

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 April, May and June, 2013, together with the Year-to-Date Leachate Tracking Summary.

Please note that as reported on June 21st, Phase 2 secondary levels continue to exceed the ALR on an intermittent basis. Due to the fire damage, we believe that the Phase 3 secondary pump which had been inoperable is causing water to build up in Phase 3 secondary and overflow the intra-cell below grade berms, flowing into Phase 2 secondary system. I'm happy to report that two positive events occurred this week that we believe will rectify this exceedance.

- After difficulty obtaining parts, the Phase 3 Secondary has been temporarily re-plumbed and is pumping water as of the writing of this letter. This should alleviate the excess water in the Phase 2 secondary.
- On July 10th the Citrus County Board of County Commissioners unanimously approved the repairs of the Phase 3 Cell in accordance with the approved plan. Citrus County intends to commence the repairs as soon as all contracts are finalized. We will continue to keep you informed and notify you when the notice of commencement is issued.

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

Sincerely,

T. Casey Stephens
Director, Citrus County
Division of Solid Waste Management

Enclosures

CC: Ken Frink, Director, Department of Public Works (w/Y-T-D Summary)
Ed Hilton, SCS Engineers – Tampa Office (Electronic submittal)
Cathy Winter, Citrus County Solid Waste

**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 LEACHATE	LEACHATE (RAW) DISPOSAL OFF-SITE	EFFLUENT DISPOSAL ON-SITE	EFFLUENT DISPOSAL OFF-SITE	TOTAL DISPOSAL	BALANCE
JANUARY	0.44	12244	322352	6602	0	341198	0	281017	0	281017	60181
FEBRUARY	1.62	20465	441263	3652	0	465380	0	348924	0	348924	116456
MARCH	0.50	16813	381066	4534	4500	406913	0	339690	0	339690	67223
APRIL	2.87	12321	447641	1846	0	461808	0	255817	0	255817	205991
MAY	2.17	14779	350278	1668	4811	371536	0	366950	0	366950	4586
JUNE	12.87	15223	1839781	70314	0	1925318	405535	595916	0	1001451	923867
JULY	0.00	0	0	0	0	0	0	0	0	0	0
AUGUST	0.00	0	0	0	0	0	0	0	0	0	0
SEPTEMBER	0.00	0	0	0	0	0	0	0	0	0	0
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
YTD TOTAL	20.47	91845	3782381	88616	9311	3972153	405535	2188314	0	2593849	1378304

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	LEACHATE (RAW) DISPOSAL OFF-SITE TO BW WWTP	LEACHATE EFFLUENT DISPOSAL ON-SITE	LEACHATE EFFLUENT DISPOSAL OFF-SITE	TOTAL LEACHATE DISPOSAL	BALANCE
4/1/13	Mon	0.00	0	957	260	0	1217	0	9450		9450	
4/2/13	Tue	0.00	103	12093	746	0	12942	0	9245		9245	
4/3/13	Wed	0.16	8	4	321	0	333	0	9650		9650	
4/4/13	Thu	0.15	10	38592	741	0	39343	0	10222		10222	
4/5/13	Fri	0.00	77	934	635	0	1646	0	8856		8856	
4/6/13	Sat	0.00	33	29987	752	0	30772	0	8560		8560	
4/7/13	Sun	0.00	241	0	4	0	245	0	9160		9160	
4/8/13	Mon	0.00	23	22569	720	0	23312	0	6255		6255	
4/9/13	Tue	0.00	23	4288	315	0	4626	0	4400		4400	
4/10/13	Wed	0.00	0	21233	725	0	21958	0	4428		4428	
4/11/13	Thu	0.00	7	9484	581	0	10072	0	0		0	
4/12/13	Fri	0.00	8	10391	1193	0	11592	0	0		0	
4/13/13	Sat	0.00	8	7065	601	0	7674	0	0		0	
4/14/13	Sun	0.04	11	15493	101	0	15605	0	0		0	
4/15/13	Mon	0.02	230	687	358	0	1275	0	0		0	
4/16/13	Tue	0.00	11	12	353	0	376	0	0		0	
4/17/13	Wed	0.00	9	13739	290	0	14038	0	5260		5260	
4/18/13	Thu	0.00	6	28396	342	0	28744	0	10627		10627	
4/19/13	Fri	1.20	21	6581	329	0	6931	0	8856		8856	
4/20/13	Sat	0.30	154	7071	318	0	7543	0	7890		7890	
4/21/13	Sun	1.00	20	7983	2	0	8005	0	9165		9165	
4/22/13	Mon	0.00	56	39715	279	0	40050	0	12651		12651	
4/23/13	Tue	0.00	67	33887	317	0	34271	0	15020		15020	
4/24/13	Wed	0.00	254	60224	300	0	60778	0	14566		14566	
4/25/13	Thu	0.00	23	21173	292	0	21488	0	15923		15923	
4/26/13	Fri	0.00	13	5244	276	0	5533	0	15200		15200	
4/27/13	Sat	0.00	21	21595	305	0	21921	0	14982		14982	
4/28/13	Sun	0.00	9	17132	280	0	17421	0	13870		13870	
4/29/13	Mon	0.00	11	4553	259	0	4823	0	15640		15640	
4/30/13	Tue	0.00	389	6559	326	0	7274	0	15941		15941	
TOTALS		2.87	1846	447641	12321	0	461808	0	255817	0	255817	205991

PHASE 1, 1A, 2 & 3 TOTAL ACRES 32.6 - 7.7 OPEN, 24.9 INTERMEDIATE, 0.0 CLOSED

4/11/13 to 4/17/13- Plant out of compliance for CBODs - recirculated batches until plant was back in compliance.

4/23/13- Wired Phase 3 primary pump flow meter and calibrated meter. Now recording flow with totalizer reading.

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	LEACHATE (RAW) DISPOSAL OFF-SITE TO BW WWTP	LEACHATE EFFLUENT DISPOSAL ON-SITE	LEACHATE EFFLUENT DISPOSAL OFF-SITE	TOTAL LEACHATE DISPOSAL	BALANCE
5/1/13	Wed	0.18	11	19911	292	0	20214	0	14266		14266	
5/2/13	Thu	0.38	9	20790	298	0	21097	0	13680		13680	
5/3/13	Fri	0.06	11	2443	274	0	2728	0	15940		15940	
5/4/13	Sat	0.03	42	17904	1907	0	19853	0	13650		13650	
5/5/13	Sun	0.00	48	4075	297	0	4420	0	14230		14230	
5/6/13	Mon	0.00	346	20229	445	0	21020	0	14066		14066	
5/7/13	Tue	0.01	131	15	250	0	396	0	15240		15240	
5/8/13	Wed	0.00	87	4518	260	0	4865	0	13650		13650	
5/9/13	Thu	0.00	55	13876	220	0	14151	0	12960		12960	
5/10/13	Fri	0.00	14	5235	654	0	5903	0	13560		13560	
5/11/13	Sat	0.10	14	6905	700	0	7619	0	14455		14455	
5/12/13	Sun	0.00	12	16076	601	0	16689	0	15088		15088	
5/13/13	Mon	0.00	123	2777	149	0	3049	0	12650		12650	
5/14/13	Tue	0.00	90	3141	211	0	3442	0	9860		9860	
5/15/13	Wed	0.00	44	18167	284	0	18495	0	8455		8455	
5/16/13	Thu	0.00	14	4443	78	0	4535	0	10627		10627	
5/17/13	Fri	0.00	10	1372	436	0	1818	0	9688		9688	
5/18/13	Sat	0.00	8	16471	666	0	17145	0	8850		8850	
5/19/13	Sun	0.00	214	1744	721	0	2679	0	10120		10120	
5/20/13	Mon	0.00	0	4687	545	0	5232	0	7450		7450	
5/21/13	Tue	0.28	22	15798	628	4811	21259	0	4428		4428	
5/22/13	Wed	0.93	14	23869	295	0	24178	0	8450		8450	
5/23/13	Thu	0.00	13	36817	405	0	37235	0	10627		10627	
5/24/13	Fri	0.00	30	13094	668	0	13792	0	9899		9899	
5/25/13	Sat	0.00	47	21248	371	0	21666	0	8895		8895	
5/26/13	Sun	0.00	29	3522	617	0	4168	0	10120		10120	
5/27/13	Mon	0.00	23	22055	734	0	22812	0	10720		10720	
5/28/13	Tue	0.00	6	1768	661	0	2435	0	9675		9675	
5/29/13	Wed	0.19	6	20714	309	0	21029	0	14150		14150	
5/30/13	Thu	0.01	195	2448	716	0	3359	0	17456		17456	
5/31/13	Fri	0.00	0	4166	87	0	4253	0	9527		9527	
Unmetered Effluent											4518	
TOTALS		2.17	1668	350278	14779	4811	371536	0	362432	0	366950	4586

PHASE 1, 1A, 2 & 3 TOTAL ACRES 32.6 - 7.7 OPEN, 24.9 INTERMEDIATE, 0.0 CLOSED

5/2013- Phase 3 cell only has 1 primary pump on line due to fire in cell. Calculating flows with ETM hour meter readings.

5/21/13- Hauled 4518 gallons from SBR #2 to cell for disposal and reseeded with 4811 gallons of seed sludge from Brentwood WWTP due to high foaming in tank.

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	LEACHATE (RAW) DISPOSAL OFF-SITE TO MC WWTP	LEACHATE EFFLUENT DISPOSAL ON-SITE	LEACHATE EFFLUENT DISPOSAL OFF-SITE	TOTAL LEACHATE DISPOSAL	BALANCE
6/1/13	Sat	0.00	8	18564	0	0	18572	0	14446		14446	
6/2/13	Sun	0.00	5	6194	0	0	6199	0	12856		12856	
6/3/13	Mon	0.13	6	21005	555	0	21566	0	13711		13711	
6/4/13	Tue	1.39	9	50780	315	0	51104	0	11834		11834	
6/5/13	Wed	0.00	8	43478	741	0	44227	0	12439		12439	
6/6/13	Thu	1.77	352	189409	703	0	190464	0	17085		17085	
6/7/13	Fri	0.04	6	4838	772	0	5616	0	19609		19609	
6/8/13	Sat	0.69	8	19531	756	0	20295	0	17213		17213	
6/9/13	Sun	1.35	12383	31355	713	0	44451	0	17077		17077	
6/10/13	Mon	0.45	1556	111935	1090	0	114581	70926	19280		90206	
6/11/13	Tue	0.01	394	195584	0	0	195978	86180	24434		110514	
6/12/13	Wed	0.00	6	82167	418	0	82591	41482	21292		62774	
6/13/13	Thu	0.00	17	36919	758	0	37694	0	21512		21512	
6/14/13	Fri	0.00	344	28970	700	0	30014	0	23911		23911	
6/15/13	Sat	0.00	6288	181917	67	0	188272	0	22914		22914	
6/16/13	Sun	2.13	395	21	394	0	810	0	20319		20319	
6/17/13	Mon	0.00	6	59192	254	0	59452	0	23118		23118	
6/18/13	Tue	0.07	5	65920	710	0	66635	67717	22045		89762	
6/19/13	Wed	0.00	12	38424	724	0	39160	50453	24355		74808	
6/20/13	Thu	0.00	11	39639	391	0	40041	0	25657		25657	
6/21/13	Fri	1.54	5160	31119	82	0	36361	0	22958		22958	
6/22/13	Sat	0.12	369	67703	178	0	68250	0	23643		23643	
6/23/13	Sun	0.00	15	66073	1038	0	67126	0	19786		19786	
6/24/13	Mon	0.00	202	66861	712	0	67775	0	21550		21550	
6/25/13	Tue	0.00	12	63059	0	0	63071	0	21011		21011	
6/26/13	Wed	1.77	17461	32733	506	0	50700	0	20695		20695	
6/27/13	Thu	0.41	9325	54124	723	0	64172	36911	14088		50999	
6/28/13	Fri	0.00	1032	100403	755	0	102190	51866	23428		75294	
6/29/13	Sat	0.27	669	66525	750	0	67944	0	19827		19827	
6/30/13	Sun	0.73	14250	65339	418	0	80007	0	19694		19694	
Unmetered Effluent									4129		4129	
TOTALS		12.87	70314	1839781	15223	0	1925318	405535	595916	0	1001451	923867

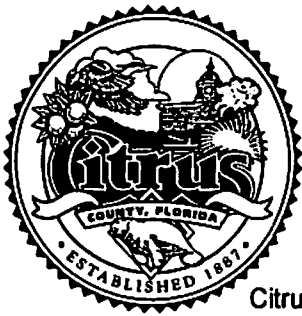
PHASE 1, 1A, 2 & 3 TOTAL ACRES 32.6 - 7.7 OPEN, 24.9 INTERMEDIATE, 0.0 CLOSED

6/20/13- Phase 3 cell only has 1 primary pump on line due to fire in cell. No secondary pump on line.

6/21/13 - Notification of secondary exceedance(s) in Phase 2 sent to FDEP

6/26/13- Cleaned chlorine contact chamber and took 4129 gallons to cell for disposal.

7/11/13 - Notification of additional secondary exceedance(s) in Phase 2 sent to FDEP in quarterly submittal letter



**Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

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Dept. of Environmental Protection
JUL 15 2013
Southwest District

July 11, 2013

Mr. John Morris,
Florida Department of
Environmental Protection
13051 N Telecom Pkwy
Temple Terrace, FL 33637-0926

**RE: MONTHLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL
LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-018-SO/01**

Dear Mr. Morris:

Enclosed please find the quarterly Operator's Reports for the months of April, May and June 2013.

Also, please find revised quarterly Operator's Reports for the months of January, February and March 2013. The original reports submitted had incorrect dates for the monitoring period.

The monthly analytical reports are now included with the quarterly report submitted by CDM for the Landfill. The attached summary is included for reference and any exceedances will be addressed in CDM's submittal.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

T. Casey Stephens
Director, Division of
Solid Waste Management

CC: Ken Frink, Director, Department of Public Works (w/xls sheet)
✓ Susan Pelz, Florida Department of Environmental Protection (w/xls sheet)

CITRUS COUNTY CENTRAL LANDFILL
WEEKLY LEACHATE MONITORING

SAC
Laboratories

MAXIMUM CONTAMINANT LEVEL BY PERMIT

Results	20	10	20
DATE	CBOD < 5 day MG/L	< NITRATE MG/L	SUSPENDED SOLIDS MG/L
4/3/13	20.62	0.23	7.50
4/12/13	16.08 (re-sample)		
5/15/13	1.12	0.12	1.00
6/4/13	0.95	0.22	1.00

cjw