

21375

Leachate



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

P.O. Box 340, Lecanto, Florida 34460
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October 10, 2005

Ms. Susan Pelz,
DEPARTMENT OF ENVIRONMENTAL
PROTECTION - Solid Waste Section
3804 Coconut Palm Drive
Tampa, Florida 33619



**Re: Citrus County Central Landfill - Permit No. 21375-008-SO/01
Leachate Generation and Daily Precipitation Report**

Dear Ms. Pelz:

In compliance with Specific Condition C.8.f. of the above referenced permit, enclosed please find the quarterly Leachate Generation and Daily Precipitation Report for the months of July, August and September 2005, together with the Year-to-Date Leachate Tracking Summary.

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

Sincerely,

Susan J. Metcalfe
Director, Citrus County
Division of Solid Waste Management

Enclosures

CC: Glenn McCracken, Director, Department of Public Works (w/Y-T-D Summary)
Steven Laux, Jones, Edmunds & Associates – Gainesville Office
John Banks, SCS Engineers – Tampa Office

**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE GALLONS**

MONTH	RAIN DATA	7-ACRE TOTAL OF LEACHATE	80-ACRE TOTAL OF PRIMARY LEACHATE PHASE 1, 1A & 2*	80-ACRE TOTAL OF SECONDARY LEACHATE PHASE 1, 1A & 2*	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL LEACHATE	LEACHATE (RAW) DISPOSAL OFF-SITE	EFFLUENT DISPOSAL ON-SITE	EFFLUENT DISPOSAL OFF-SITE	TOTAL DISPOSAL	BALANCE
JANUARY	1.20	58491	153298	2134	0	213923	0	254521	0	254521	-40598
FEBRUARY	1.50	41998	114083	1108	0	157189	0	203227	0	203227	-46038
MARCH	6.30	45564	182052	1015	0	228631	0	244709	0	244709	-16078
APRIL	7.40	52809	192157	836	0	245802	0	423123	0	423123	-177321
MAY	8.35	51314	196840	811	0	248965	0	296192	0	296192	-47227
JUNE	7.85	42594	177310	696	0	220600	0	260483	0	260483	-39883
JULY	13.50	43901	243414	789	0	288104	0	392260	0	392260	-104156
AUGUST	5.50	126238	176243	763	0	303244	0	390416	0	390416	-87172
SEPTEMBER	2.27	82741	152273	1261	28777	265052	0	333250	0	333250	-68198
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	53.87	545650	1587670	9413	28777	2171510	0	2798181	0	2798181	-626671

*Phase 2 included starting October

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA

DATE	DAY	RAIN DATA	80-ACRE TOTAL PRIMARY PHASE 1 & 1A	80-ACRE TOTAL SECONDARY PHASE 1A	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
9/1/05	Thu	0.40	5906	100	4744	18777	29527	0	12153		12153	
9/2/05	Fri	0.00	7880	0	4413	0	12293	0	14245		14245	
9/3/05	Sat	0.00	4884	0	3840	0	8724	0	14834		14834	
9/4/05	Sun	0.20	7497	81	3748	0	11326	0	13744		13744	
9/5/05	Mon	0.20	5991	0	3728	0	9719	0	12836		12836	
9/6/05	Tue	0.20	5589	0	3050	0	8639	0	14362		14362	
9/7/05	Wed	0.00	1786	0	3547	0	5333	0	14440		14440	
9/8/05	Thu	0.00	5857	0	3369	0	9226	0	14004		14004	
9/9/05	Fri	0.00	4694	20	3384	0	8098	0	14444		14444	
9/10/05	Sat	0.00	6767	146	3237	0	10150	0	29456		29456	
9/11/05	Sun	0.00	3611	81	2767	0	6459	0	0		0	
9/12/05	Mon	0.00	4288	0	2964	0	7252	0	14549		14549	
9/13/05	Tue	0.00	8618	80	2767	0	11465	0	12133		12133	
9/14/05	Wed	0.00	3621	0	2405	0	6026	0	13758		13758	
9/15/05	Thu	0.00	4559	84	1143	0	5786	0	14692		14692	
9/16/05	Fri	0.00	4113	0	4122	0	8235	0	14039		14039	
9/17/05	Sat	0.00	3854	82	2739	0	6675	0	12352		12352	
9/18/05	Sun	0.00	7832	0	2131	0	9963	0	14277		14277	
9/19/05	Mon	0.00	2559	80	2655	0	5294	0	0		0	
9/20/05	Tue	0.23	4543	0	2042	0	6585	0	0		0	
9/21/05	Wed	0.00	5861	80	2748	0	8689	0	7058		7058	
9/22/05	Thu	0.44	3329	187	0	0	3516	0	0		0	
9/23/05	Fri	0.00	5914	0	3608	10000	19522	0	7138		7138	
9/24/05	Sat	0.00	3919	0	2563	0	6482	0	7715		7715	
9/25/05	Sun	0.00	6722	0	2230	0	8952	0	12453		12453	
9/26/05	Mon	0.10	5076	80	2436	0	7592	0	9456		9456	
9/27/05	Tue	0.30	4691	0	2383	0	7074	0	9810		9810	
9/28/05	Wed	0.10	3556	80	2312	0	5948	0	9914		9914	
9/29/05	Thu	0.10	5253	0	1666	0	6919	0	9969		9969	
9/30/05	Fri	0.00	3503	80	0	0	3583	0	9419		9419	
Total		2.27	152273	1261	82741	28777	265052	0	333250	0	333250	-68198

0.0 represents No Reading

9/1/05 added 18,777 gallons seed sludge from Meadowcrest WWTP

9/23/05 added 10,000 gallons seed sludge from Meadowcrest WWTP

7 Acre meter out of service. Flow calculated using EMT readings at east and west lift stations.

PHASE 1 & 1A TOTAL ACRES 19.1 - 1.2 OPEN, 15.8 INTERMEDIATE, 2.1 UNUSED, 0.0 CLOSED

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA												
DATE	DAY	RAIN DATA	80-ACRE	80-ACRE	7 ACRE LEACHATE FLOW	SURFACE	TOTAL LEACHATE GENERATED	LEACHATE	LEACHATE	LEACHATE	TOTAL LEACHATE DISPOSAL	BALANCE
			TOTAL PRIMARY PHASE 1 & 1A	TOTAL SECONDARY PHASE 1A		LEACHATE OR SPECIAL PROJECT		(RAW) DISPOSAL OFF-SITE TO BW WWTP	EFFLUENT DISPOSAL ON-SITE	EFFLUENT DISPOSAL OFF-SITE		
8/1/05	Mon	0.00	0	85	2546	0	2631	0	14464		14464	
8/2/05	Tue	0.00	9122	0	269	0	9391	0	13565		13565	
8/3/05	Wed	0.00	6139	0	469	0	6608	0	13777		13777	
8/4/05	Thu	0.20	7580	0	2062	0	9642	0	10366		10366	
8/5/05	Fri	0.00	8487	0	3100	0	11587	0	15562		15562	
8/6/05	Sat	0.65	5770	0	523	0	6293	0	14987		14987	
8/7/05	Sun	0.35	7308	135	2661	0	10104	0	16274		16274	
8/8/05	Mon	0.30	6048	0	454	0	6502	0	11473		11473	
8/9/05	Tue	0.00	7495	0	2547	0	10042	0	10496		10496	
8/10/05	Wed	0.10	6104	0	3864	0	9968	0	15454		15454	
8/11/05	Thu	0.00	7450	0	521	0	7971	0	13151		13151	
8/12/05	Fri	0.00	4839	129	281	0	5249	0	12049		12049	
8/13/05	Sat	0.00	1266	0	3048	0	4314	0	10840		10840	
8/14/05	Sun	0.00	7455	0	320	0	7775	0	14611		14611	
8/15/05	Mon	0.20	5940	0	9753	0	15693	0	13960		13960	
8/16/05	Tue	0.00	6876	89	6965	0	13930	0	9153		9153	
8/17/05	Wed	0.00	5916	0	6265	0	12181	0	15000		15000	
8/18/05	Thu	0.20	7346	0	6043	0	13389	0	12652		12652	
8/19/05	Fri	0.00	0	79	9689	0	9768	0	14524		14524	
8/20/05	Sat	0.00	13067	0	13023	0	26090	0	15568		15568	
8/21/05	Sun	0.00	0.0	0.0	0.0	0	0.0	0	0.0		0.0	
8/22/05	Mon	0.20	5880	81	5744	0	11705	0	9090		9090	
8/23/05	Tue	0.00	6892	0	436	0	7328	0	1819		1819	
8/24/05	Wed	0.00	0	0	7103	0	7103	0	10767		10767	
8/25/05	Thu	0.40	5727	0	5373	0	11100	0	13466		13466	
8/26/05	Fri	0.00	7178	85	6195	0	13458	0	13713		13713	
8/27/05	Sat	0.00	8462	0	12600	0	21062	0	25078		25078	
8/28/05	Sun	2.40	0.0	0.0	0.0	0	0.0	0	0.0		0.0	
8/29/05	Mon	0.00	4741	80	6030	0	10851	0	15274		15274	
8/30/05	Tue	0.00	5931	0	3377	0	9308	0	16127		16127	
8/31/05	Wed	0.50	7224	0	4977	0	12201	0	17156		17156	
TOTALS		5.50	176243	763	126238	0	303244	0	390416	0	390416	-87172

0.0 represents No Reading

PHASE 1 & 1A TOTAL ACRES 19.1 - 1.2 OPEN, 15.8 INTERMEDIATE, 2.1 UNUSED, 0.0 CLOSED

7 Acre meter out of service. Flow calculated using EMT readings at east and west lift stations.

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA												
DATE	DAY	RAIN DATA	80-ACRE	80-ACRE	7 ACRE	SURFACE	TOTAL	LEACHATE	LEACHATE	LEACHATE	TOTAL	BALANCE
			PRIMARY	SECONDARY		OR		(RAW) DISPOSAL	EFFLUENT	EFFLUENT		
			PHASE 1 & 1A	PHASE 1A	FLOW	SPECIAL PROJECT	LEACHATE	OFF-SITE TO	DISPOSAL	DISPOSAL	LEACHATE	
							GENERATED	BW WWTP	ON-SITE	OFF-SITE	DISPOSAL	
7/1/05	Fri	0.00	6243	0	1463	0	7706	0	9476		9476	
7/2/05	Sat	2.00	7779	0	3748	0	11527	0	8977		8977	
7/3/05	Sun	0.00	6369	137	139	0	6645	0	7554		7554	
7/4/05	Mon	0.90	7702	0	835	0	8537	0	13731		13731	
7/5/05	Tue	0.00	7032	0	620	0	7652	0	10313		10313	
7/6/05	Wed	0.00	10998	0	156	0	11154	0	14525		14525	
7/7/05	Thu	0.00	10100	0	264	0	10364	0	10595		10595	
7/8/05	Fri	0.10	298	0	1266	0	1564	0	8977		8977	
7/9/05	Sat	0.00	13404	141	1499	0	15044	0	15481		15481	
7/10/05	Sun	3.00	6676	0	527	0	7203	0	13706		13706	
7/11/05	Mon	0.20	7925	0	1167	0	9092	0	14578		14578	
7/12/05	Tue	0.40	13335	91	1332	0	14758	0	10931		10931	
7/13/05	Wed	2.10	6397	0	4030	0	10427	0	14975		14975	
7/14/05	Thu	0.00	7900	0	2115	0	10015	0	13986		13986	
7/15/05	Fri	1.10	14436	80	699	0	15215	0	13583		13583	
7/16/05	Sat	0.10	6143	0	247	0	6390	0	15333		15333	
7/17/05	Sun	0.00	8067	0	1446	0	9513	0	13195		13195	
7/18/05	Mon	0.00	7056	0	4692	0	11748	0	10427		10427	
7/19/05	Tue	0.00	13124	90	463	0	13677	0	11106		11106	
7/20/05	Wed	0.20	7657	0	484	0	8141	0	11498		11498	
7/21/05	Thu	0.00	6250	0	3855	0	10105	0	11534		11534	
7/22/05	Fri	0.00	7662	83	2218	0	9963	0	12753		12753	
7/23/05	Sat	0.00	13777	2	159	0	13938	0	21599		21599	
7/24/05	Sun	0.60	0.0	0.0	0.0	0	0.0	0	0.0		0.0	
7/25/05	Mon	0.00	6145	0	3341	0	9486	0	13388		13388	
7/26/05	Tue	0.00	7068	83	2066	0	9217	0	12248		12248	
7/27/05	Wed	0.00	5052	0	232	0	5284	0	17265		17265	
7/28/05	Thu	0.00	6115	0	1757	0	7872	0	19367		19367	
7/29/05	Fri	0.00	8735	82	2757	0	11574	0	17384		17384	
7/30/05	Sat	0.00	13969	0	324	0	14293	0	23775		23775	
7/31/05	Sun	2.80	0.0	0.0	0.0	0	0.0	0	0.0		0.0	
TOTALS		13.50	243414	789	43901	0	288104	0	392260	0	392260	-104156
0.0 represents No Reading												
PHASE 1 & 1A TOTAL ACRES 19.1 - 1.2 OPEN, 15.8 INTERMEDIATE, 2.1 UNUSED, 0.0 CLOSED												
7 Acre meter out of service. Flow calculated using EMT readings at east and west lift stations.												