

188444



SARASOTA COUNTY

"Dedicated to Quality Service"

October 6, 2006

Susan Pelz, P.E.
Florida Department of Environmental Protection
13051 N Telecom Parkway
Temple Terrace, Florida 33637-0926

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OCT 12 2006
SOUTHWEST DISTRICT
TAMPA

Re: Central County Solid Waste Disposal Complex
Permit Number 130542-002-so/01
Quarterly Leachate Balance Report

Dear Ms. Pelz:

Enclosed you will find the Quarterly Leachate Generation Report for the third quarter of 2006 submitted in accordance with Specific Condition Part C : d.

Please contact me if you have any questions at (941) 861-1578.

Sincerely,


Paul Wingler, P.E.
Solid Waste Operations



K:\projects\Central County Solid Waste Disposal Complex\Leachate\2006 reports\leachate balance 3rd quarter 2006 doc.doc

**CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX
SARASOTA COUNTY
2006 ANNUAL SUMMARY**

MONTHLY PRECIPITATION DATA AND LEACHATE BALANCE

MONTH	LANDFILL AREA (acres)	LANDFILL RAINFALL ¹ (inches)	RAINFALL IN STORAGE TANK ² (gallons)	LEACHATE PUMPED ³ CELL 1 (gallons)	LEACHATE PUMPED ³ CELL 2 (gallons)	LEACHATE PUMPED ³ CELL 3 (gallons)	LEACHATE PUMPED ⁴ CELL 4 (gallons)	LEACHATE PUMPED ⁴ CELL 5 (gallons)	TOTAL LEACHATE ⁴ (gallons)	LEACHATE REMOVED ⁵ (gallons)	LEACHATE BALANCE ⁶ (gallons)	CUMULATIVE STORAGE ⁷ (gallons)
January	48.00	0.45	2,202	29,730	36,490	44,330	59,420		172,172	172,172	195,100	-22,928
February	48.00	2.96	14,484	25,970	32,440	37,610	61,830		172,334	172,334	95,200	77,134
March	48.00	0.10	489	24,490	33,740	39,190	50,910		148,819	148,819	170,000	-21,181
April	48.00	0.13	636	19,230	37,650	37,500	40,450		135,466	148,819	170,000	-21,181
May	48.00	1.65	8,074	19,910	38,770	38,770	42,380		147,904	135,466	134,800	666
June	54.00	5.83	28,527	32,940	43,460	45,640	65,480	1,899,090	1,899,090	2,115,137	1,049,600	-833,553
July	54.00	17.14	83,869	190,500	93,160	54,530	1,076,060	3,143,400	3,143,400	6,194,158	3,959,000	-2,445,561
August	54.00	7.90	38,656	88,900	57,130	56,820	294,430	1,189,650	1,189,650	1,725,586	2,026,000	-1,459,324
September	54.00	12.64	61,850	176,610	74,640	64,440	636,740	2,223,450	3,237,730	2,973,800	-1,925,760	943,573
October	54.00											
November	54.00											
December	54.00											
Total												

Notes:

1. Total monthly precipitation recorded at the CCSWDC.
2. Rainfall falling into the leachate storage tank (13,275 square feet area) which is classified as leachate.
3. Based on flowmeter data, the amount of leachate pumped from the Class I landfill area to the storage tank.
4. Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill.
5. Quantity of leachate hauled away based on the number of tanker trucks and their capacity.
6. Total leachate added to the storage tank minus the quantity hauled during the month (monthly increase or decrease).
7. Cumulative storage read at the tank guage at the end of each month

**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**
OCT 12 2006
**SOUTHWEST DISTRICT
TAMPA**

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX

SEPTEMBER 2006

DAILY PRECIPITATION DATA AND LEACHATE BALANCE

	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	LEACHATE	CUMULATIVE
DATE	AREA	RAINFALL ¹	STORAGE TANK ²	CELL 1	CELL 2	CELL 3	CELL 4	CELL 5	MRF	LEACHATE ⁴	REMOVED ⁵	REUSE ⁸	BALANCE ⁶	level	STORAGE ⁷
	(acres)	(inches)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)		(gallons)	(feet)	(gallons)
1	54.00	0.31	1,516.88	8,190	2,520	1,990	8,840	31,660	2,100	56,817	53,200	0	3,617	4.75	275,809
2	54.00	0.18	880.77	4,130	1,900	1,810	6,670	29,990	0	15,391	44,500	0	-29,109	5.25	304,841
3	54.00	0.00	0.00	0	0	0	0	194,520	0	0	0	0	0	5.25	304,841
4	54.00	2.13	10,422.45	12,860	4,510	4,010	28,800	194,520	0	60,602	244,700	0	-184,098	8.25	479,036
5	54.00	0.75	3,669.88	10,080	3,210	1,960	25,200	131,750	3,100	44,120	172,200	0	-128,080	10.25	595,166
6	54.00	0.09	440.39	9,870	2,880	2,500	25,780	70,370	3,800	41,470	111,400	0	-69,930	11.00	638,715
7	54.00	0.00	0.00	8,200	3,010	2,350	22,770	43,270	0	36,330	19,600	0	16,730	11.25	653,231
8	54.00	0.05	244.66	1,020	2,560	2,210	19,050	29,260	0	25,085	114,100	0	-89,015	11.25	653,231
9	54.00	0.35	1,712.61	700	2,270	2,150	17,280	41,400	1,800	24,113	63,800	0	-39,687	12.00	696,780
10	54.00	0.00	0.00	0	0	0	0	41,400	0	0	0	0	0	12.00	696,780
11	54.00	0.90	4,403.85	0	5,460	4,530	28,830	89,780	1,700	43,224	128,600	0	-85,376	13.25	769,361
12	54.00	0.22	1,076.50	0	2,320	2,190	9,780	28,110	0	15,366	42,400	0	-27,034	13.00	754,845
13	54.00	0.02	97.86	9,490	2,140	2,170	8,130	6,570	0	22,028	28,500	0	-6,472	12.75	740,329
14	54.00	1.43	6,997.23	9,200	2,980	2,170	11,170	37,780	5,700	32,517	63,300	0	-30,783	13.00	754,845
15	54.00	0.00	0.00	8,520	2,230	2,210	16,820	96,920	0	29,780	126,700	0	-96,920	13.75	798,394
16	54.00	0.00	0.00	5,520	2,280	2,160	14,910	36,630	0	24,870	61,500	0	-36,630	14.25	827,426
17	54.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	14.25	827,426
18	54.00	0.44	2,152.99	9,370	3,770	4,290	27,550	44,980	0	47,133	124,800	0	-77,667	15.80	917,427
19	54.00	0.02	97.86	7,180	2,300	2,070	13,040	24,710	0	24,688	48,300	0	-23,612	16.00	929,040
20	54.00	4.28	20,942.75	10,360	3,590	2,430	31,790	150,330	5,100	69,113	198,500	0	-129,387	18.00	1,045,170
21	54.00	0.02	97.86	9,820	2,470	2,090	49,580	142,740	0	64,058	206,700	0	-142,642	18.50	1,074,203
22	54.00	0.00	0.00	8,290	2,860	2,330	46,520	171,300	0	60,000	231,300	0	-171,300	18.50	1,074,203
23	54.00	0.79	3,865.60	7,700	3,070	2,330	43,260	151,940	7,400	60,226	208,300	0	-148,074	26.00	1,509,690
24	54.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	26.00	1,509,690
25	54.00	0.00	0.00	14,600	5,590	4,470	70,140	218,300	0	94,800	313,100	0	-218,300	23.50	1,364,528
26	54.00	0.00	0.00	4,950	2,270	1,990	26,690	46,600	0	35,900	82,500	0	-46,600	22.00	1,277,430
27	54.00	0.66	3,229.49	4,350	2,620	2,190	16,100	64,640	0	28,489	89,900	0	-61,411	20.50	1,190,333
28	54.00	0.00	0.00	5,460	2,090	2,000	30,680	46,070	0	40,230	86,300	0	-46,070	18.50	1,074,203
29	54.00	0.00	0.00	4,500	2,130	1,900	20,750	32,920	0	29,280	62,200	0	-32,920	18.00	1,045,170
30	54.00	0.00	0.00	2,250	1,610	1,940	16,610	24,990	0	22,410	47,400	0	-24,990	16.25	943,556
31	54.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	16.25	943,573
TOTAL	-	12.64	61,849.63	176,610	74,640	64,440	636,740	2,223,450	30,700	1,048,040	2,973,800	0	-1,925,760		

3,237,730

Notes:

1. Precipitation recorded at the CCSWDC weather station.
2. Rainfall falling into the leachate storage tank (13,275 square feet area) which is classified as leachate.
3. Based on flowmeter data, the amount of leachate pumped from the Class I landfill area to the storage tank - Also see table titled Leachate Balance For Each Cell.
4. Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill.
5. Quantity of leachate hauled away based on the flowmeter at the leachate storage tank plus what is used for reuse
6. Total leachate added to the storage tank minus the quantity hauled during a day (daily increase or decrease).
7. Quantity of leachate stored in the tank.

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX

AUGUST 2006

DAILY PRECIPITATION DATA AND LEACHATE BALANCE

	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	LEACHATE	CUMULATIVE
DATE	AREA	RAINFALL ¹	STORAGE TANK ²	CELL 1	CELL 2	CELL 3	CELL 4	CELL 5	MRF	LEACHATE ⁴	REMOVED ⁵	REUSE ⁸	BALANCE ⁶	level	STORAGE ⁷
	(acres)	(inches)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)		(gallons)	(feet)	(gallons)
1	48.00		0.00	1,960	2,180	1,650	10,680	30,740	0	47,210	235,500	0	-188,290	13.50	783,878
2	48.00		0.00	3,760	1,890	1,860	10,260	25,020	0	17,770	113,100	0	-95,330	13.25	769,361
3	48.00	0.26	1,272.22	2,490	1,610	1,760	8,470	34,070	0	15,602	23,400	0	-7,798	12.50	725,813
4	48.00	0.38	1,859.40	2,200	1,330	1,600	8,020	19,380	0	15,009	32,500	0	-17,491	12.75	740,329
5	48.00		0.00	2,240	1,380	1,660	7,660	27,560	0	12,940	68,500	0	-55,560	12.25	711,296
6	48.00		0.00	0	0	0	0	0	0	0	0	0	0	12.25	711,296
7	48.00	0.30	1,467.95	2,500	3,600	3,360	6,450	47,990	0	17,378	43,200	0	-25,822	12.50	725,813
8	48.00		0.00	2,750	1,280	1,680	10,730	22,860	0	16,440	80,600	0	-64,160	11.75	682,264
9	48.00		0.00	2,160	1,300	970	6,540	18,430	0	10,970	43,400	0	-32,430	11.50	667,748
10	48.00		0.00	1,890	1,200	2,110	5,540	14,160	0	10,740	49,600	0	-38,860	11.00	638,715
11	48.00		0.00	2,070	2,070	1,760	5,750	16,850	0	11,650	18,600	0	-6,950	11.00	638,715
12	48.00		0.00	1,450	1,370	1,500	5,360	14,120	0	9,680	0	0	9,680	11.25	653,231
13	48.00		0.00	0	0	0	0	0	0	0	0	0	0	11.25	653,231
14	48.00	0.72	3,523.08	3,520	2,730	3,080	10,000	63,270	0	22,853	37,500	0	-14,647	12.00	696,780
15	48.00	0.92	4,501.71	2,250	1,770	1,780	7,520	77,780	0	17,822	28,000	0	-10,178	13.00	754,845
16	48.00	0.59	2,886.97	2,590	1,810	1,480	7,260	83,660	0	16,027	0	0	16,027	14.50	841,943
17	48.00	0.17	831.84	3,640	1,960	1,780	5,570	61,250	0	13,782	0	0	13,782	15.50	900,008
18	48.00	0.31	1,516.88	2,750	1,870	1,640	7,100	51,140	0	14,877	395,600	0	-380,723	16.00	929,040
19	48.00		0.00	2,320	1,320	1,900	5,760	31,000	0	11,300	42,300	0	-31,000	15.50	900,008
20	48.00		0.00	0	0	0	0	0	0	0	0	0	0	15.50	900,008
21	48.00	1.35	6,605.78	430	3,840	3,720	13,200	64,310	0	27,796	85,500	0	-57,704	14.75	856,459
22	48.00	0.06	293.59	4,360	2,310	2,000	8,450	62,280	7,100	17,414	79,400	0	-61,986	13.25	769,361
23	48.00		0.00	60	1,840	2,110	15,390	39,800	0	19,400	59,200	0	-39,800	12.50	725,813
24	48.00	0.76	3,718.81	6,790	2,000	2,080	8,460	29,270	0	23,049	48,600	0	-25,551	11.25	653,231
25	48.00	1.16	5,676.07	3,550	2,320	2,020	21,100	122,010	3,300	34,666	151,000	0	-116,334	13.25	769,361
26	48.00		0.00	9,800	2,570	2,280	23,850	66,500	0	38,500	105,000	0	-66,500	14.75	856,459
27	48.00		0.00	0	0	0	0	0	0	0	0	0	0	14.75	856,459
28	48.00	0.58	2,838.04	9,500	5,000	4,410	40,790	90,900	3,400	62,538	150,600	0	-88,062	15.00	870,975
29	48.00		0.00	6,300	1,940	2,300	15,680	28,480	0	26,220	54,700	0	-28,480	11.50	667,748
30	48.00	0.02	97.86	4,980	2,650	2,180	10,300	22,290	0	20,208	42,400	0	-22,192	7.75	450,004
31	48.00	0.32	1,565.81	590	1,990	2,150	8,540	24,530	0	14,836	37,800	0	-22,964	4.25	246,781
TOTAL	-	7.90	38,656.02	88,900	57,130	56,820	294,430	1,189,650	13,800	566,676	2,026,000	0	-1,459,324		

1,725,586

Notes:

1. Precipitation recorded at the CCSWDC weather station.
2. Rainfall falling into the leachate storage tank (13,275 square feet area) which is classified as leachate.
3. Based on flowmeter data, the amount of leachate pumped from the Class I landfill area to the storage tank - Also see table titled Leachate Balance For Each Cell.
4. Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill.
5. Quantity of leachate hauled away based on the flowmeter at the leachate storage tank plus what is used for reuse
6. Total leachate added to the storage tank minus the quantity hauled during a day (daily increase or decrease).
7. Quantity of leachate stored in the tank.

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX

July 2006

DAILY PRECIPITATION DATA AND LEACHATE BALANCE

DATE	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	tank	CUMULATIVE
	AREA	RAINFALL ¹	STORAGE TANK ²	CELL 1	CELL 2	CELL 3	CELL 4	CELL 5	MRF	LEACHATE ⁴	REMOVED ⁵	REUSE ³	BALANCE ⁶	level	STORAGE ⁷
	(acres)	(inches)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(feet)	(gallons)
1	48.00	2.74	13,407.28	7,610	2,980	1,860	20,130	15,320	0	61,307	42,800	0	18,507	13.50	783,878
2	48.00		0.00	0	0	0	0	0	0	0	0	0	0	13.50	783,878
3	48.00	0.95	4,648.51	16,770	5,260	3,560	51,010	132,700	3,500	81,249	66,300	0	14,949	15.50	900,008
4	48.00		0.00	0	0	0	0	0	0	0	0	0	0	15.50	900,008
5	48.00	2.26	11,058.56	9,060	7,670	4,690	12,680	65,740	9,000	45,159	82,700	0	-37,541	16.00	929,040
6	48.00	1.07	5,235.69	16,850	3,750	1,300	40,610	165,290	2,200	67,746	141,100	0	-73,354	17.50	1,016,138
7	48.00	2.12	10,373.51	13,760	4,230	2,230	90,900	146,980	12,000	121,494	122,500	0	-1,006	18.75	1,088,719
8	48.00	1.80	8,807.70	16,830	5,500	1,670	89,980	152,120	2,600	122,788	261,700	0	-138,912	19.25	1,117,751
9	48.00		0.00	0	0	0	0	0	0	0	0	0	0	19.25	1,117,751
10	48.00	0.36	1,761.54	12,610	10,720	2,750	79,520	117,900	3,100	107,362	279,800	0	-172,438	18.25	1,059,686
11	48.00	0.03	146.80	12,870	4,420	2,380	113,020	143,610	0	132,837	133,200	0	-363	19.75	1,146,784
12	48.00	0.24	1,174.36	9,200	4,220	2,070	78,360	154,750	0	95,024	178,700	0	-83,676	20.75	1,204,849
13	48.00	0.06	293.59	6,440	3,670	1,910	56,530	149,650	1,400	68,844	204,700	0	-135,856	20.50	1,190,333
14	48.00	0.05	244.66	50	3,050	430	39,210	101,460	0	42,985	212,100	0	-169,115	19.25	1,117,751
15	48.00		0.00	1,510	2,340	150	27,940	104,760	0	31,940	192,300	0	-160,360	18.00	1,045,170
16	48.00		0.00	0	0	0	0	0	0	0	0	0	0	18.00	1,045,170
17	48.00	0.05	244.66	5,600	5,250	3,500	49,050	304,100	0	63,645	266,200	0	-202,555	18.75	1,088,719
18	48.00	0.04	195.73	2,880	2,210	1,920	1,040	28,450	0	8,246	257,500	0	-249,254	15.25	885,491
19	48.00	0.63	3,082.70	4,630	2,200	1,840	30,500	152,930	1,700	42,253	151,600	0	-109,347	15.75	914,524
20	48.00	0.08	391.45	3,540	1,870	1,620	18,790	154,180	0	26,211	140,700	0	-114,489	16.00	929,040
21	48.00	0.70	3,425.22	2,330	2,120	1,780	17,850	7,120	0	27,505	187,900	0	-160,395	13.50	783,878
22	48.00	0.03	146.80	2,500	1,980	1,710	14,720	19,910	0	20,057	82,500	0	-62,443	12.50	725,813
23	48.00		0.00	0	0	0	0	0	0	0	0	0	0	12.50	725,813
24	48.00	3.57	17,468.61	11,510	4,710	3,920	50,730	320	800	88,339	78,100	0	10,239	12.50	725,813
25	48.00		0.00	9,000	2,750	1,950	50,010	130,390	2,900	63,710	146,300	0	-82,590	13.00	754,845
26	48.00		0.00	4,500	2,160	1,980	44,460	175,400	0	53,100	107,300	0	-54,200	14.25	827,426
27	48.00		0.00	6,220	2,180	1,890	34,290	179,420	0	44,580	125,200	0	-80,620	15.50	900,008
28	48.00	0.20	978.63	0	2,170	1,840	23,170	189,720	0	28,159	144,100	0	-115,941	16.25	943,556
29	48.00	0.16	782.91	7,570	2,110	1,910	16,850	194,460	0	29,223	190,100	0	-160,877	16.50	958,073
30	48.00		0.00	0	0	0	0	0	0	0	0	0	0	16.50	958,073
31	48.00		0.00	6,660	3,640	3,670	25,710	156,720	0	39,680	163,600	0	-123,920	16.50	958,089
TOTAL	-	17.14	83,868.88	190,500	93,160	54,530	1,076,060	3,143,400	39,200	1,513,439	3,959,000	0	-2,445,561		

6,194,158

Notes:

1. Precipitation recorded at the CCSWDC weather station.
2. Rainfall falling into the leachate storage tank (13,275 square feet area) which is classified as leachate.
3. Based on flowmeter data, the amount of leachate pumped from the Class I landfill area to the storage tank - Also see table titled Leachate Balance For Each Cell.
4. Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill.
5. Quantity of leachate hauled away based on the flowmeter at the leachate storage tank plus what is used for reuse.
6. Total leachate added to the storage tank minus the quantity hauled during a day (daily increase or decrease).
7. Quantity of leachate stored in the tank.