



**SARASOTA COUNTY**  
"Dedicated to Quality Service"

January 5, 2005

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



Re: Central County Solid Waste Disposal Complex  
Permit Number SO58-299180  
Quarterly Leachate Balance Report

Dear Ms. Pelz:

Enclosed you will find the Quarterly Leachate Generation Report for the fourth quarter of 2005 submitted in accordance with Specific Condition 17.c.

Please contact me if you have any questions at (941) 650-2072.

Sincerely,

Don Shaulis  
*Solid Waste Operations*

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 JAN 11 2006  
 SOUTHWEST DISTRICT  
 TAMPA

CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
 SARASOTA COUNTY  
 2005 ANNUAL SUMMARY  
 MONTHLY PRECIPITATION DATA AND LEACHATE BALANCE

MONTH	LANDFILL AREA (acres)	LANDFILL RAINFALL <sup>1</sup> (inches)	RAINFALL IN STORAGE TANK <sup>2</sup> (gallons)	LEACHATE PUMPED <sup>3</sup> CELL 1 (gallons)	LEACHATE PUMPED <sup>3</sup> CELL 2 (gallons)	LEACHATE PUMPED <sup>3</sup> CELL 3 (gallons)	LEACHATE PUMPED <sup>4</sup> CELL 4 (gallons)	TOTAL LEACHATE <sup>4</sup> (gallons)	LEACHATE REMOVED <sup>5</sup> (gallons)	LEACHATE BALANCE <sup>6</sup> (gallons)	CUMULATIVE STORAGE <sup>7</sup> (gallons)
January	48.00	2.35	11,499	70,740	32,090	41,490	611,180	755,500	773,400	-17,900	1,088,738
February	48.00	3.82	18,692	50,690	30,950	34,530	149,880	266,050	1,259,200	-993,150	203,228
March	48.00	4.17	20,405	144,960	62,150	35,140	753,730	1,016,385	624,800	391,585	624,210
April	48.00	2.60	12,722	46,510	46,390	33,610	166,600	293,110	426,700	-133,590	493,561
May	48.00	1.89	9,248	34,180	46,230	38,490	113,560	232,460	147,500	84,960	551,627
June	48.00	16.01	78,340	219,030	86,010	42,420	2,788,690	3,230,290	2,404,000	826,290	1,437,134
July	48.00	8.43	41,249	175,560	80,000	43,890	1,098,900	1,439,599	2,693,100	-1,251,101	319,363
August	48.00	1.91	9,346	67,820	47,070	43,950	266,770	438,256	607,600	-172,644	145,165
September	48.00	1.81	8,857	44,310	35,680	40,790	123,250	260,787	223,700	29,187	159,679
October	48.00	6.29	30,778	86,480	42,990	42,850	408,770	611,868	533,400	78,468	261,297
November	48.00	2.70	13,212	58,320	40,640	48,200	177,310	337,682	261,900	75,782	319,363
December	48.00	0.76	3,719	41,560	41,640	48,830	93,430	229,179	262,300	-33,121	275,814
Total		52.74	258,067	1,040,160	591,840	494,190	6,752,070	9,111,166	10,217,600		

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 gauge at the end of each month

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX

Oct 2005

DAILY PRECIPITATION DATA AND LEACHATE BALANCE

	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	tank	CUMULATIVE
DATE	AREA	RAINFALL <sup>1</sup>	STORAGE TANK <sup>2</sup>	CELL 1	CELL 2	CELL 3	CELL 4	MRF	LEACHATE <sup>4</sup>	REMOVED <sup>5</sup>	REUSE <sup>8</sup>	BALANCE <sup>6</sup>	level	STORAGE <sup>7</sup>
	(acres)	(inches)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)		(gallons)	(feet)	(gallons)
1	48.00	0.12	587.18	1,130	950	1,310	2,680	0	6,657	8,100		-1,443	3.00	174,195
2	48.00	0.00	0.00	0	0	0	0	0	0	0		0	3.00	174,195
3	48.00	0.00	0.00	2,240	930	2,780	5,110	0	11,060	0		11,060	3.00	174,195
4	48.00	0.31	1,516.88	1,470	2,970	1,730	3,120	0	10,807	14,100		-3,293	3.00	174,195
5	48.00	0.00	0.00	910	490	1,310	2,420	0	5,130	0		5,130	3.25	188,711
6	48.00	1.41	6,899.37	1,070	1,230	1,330	2,470	0	12,999	0		12,999	3.50	203,228
7	48.00	0.06	293.59	1,970	2,100	1,490	10,680	0	16,534	0		16,534	3.50	203,228
8	48.00	0.15	733.98	1,700	1,080	1,260	12,410	0	17,184	0		17,184	3.75	217,744
9	48.00	0.02	97.86	0	0	0	0	0	98	0		98	3.75	217,744
10	48.00	0.00	0.00	3,910	2,720	2,800	19,100	0	28,530	0		28,530	4.25	246,776
11	48.00	0.00	0.00	1,890	1,200	1,410	7,400	0	11,900	19,500		-7,600	4.25	246,776
12	48.00	0.46	2,250.86	1,690	190	1,320	6,470	0	11,921	19,700		-7,779	4.00	232,260
13	48.00	0.00	0.00	2,130	2,570	1,470	6,750	0	12,920	4,200		8,720	4.00	232,260
14	48.00	0.00	0.00	1,860	860	1,290	6,630	0	10,640	8,400		2,240	4.25	246,776
15	48.00	0.00	0.00	1,880	1,120	1,340	6,050	0	10,390	7,800		2,590	4.25	246,776
16	48.00	0.00	0.00	0	0	0	0	0	0	0		0	4.25	246,776
17	48.00	0.00	0.00	3,560	2,120	2,900	11,020	0	19,600	44,900		-25,300	4.00	232,260
18	48.00	0.00	0.00	1,550	1,180	1,310	4,830	0	8,870	70,300		-61,430	2.72	157,937
19	48.00	0.00	0.00	1,440	950	1,420	4,440	0	8,250	22,600		-14,350	2.50	145,163
20	48.00	0.00	0.00	1,590	1,140	1,430	4,510	0	8,670	7,900		770	2.50	145,163
21	48.00	0.09	440.39	1,510	1,190	1,390	3,850	0	8,380	43,400		-35,020	2.25	130,646
22	48.00	0.00	0.00	1,380	1,050	1,450	3,760	0	7,640	0		7,640	2.25	130,646
23	48.00	0.79	3,865.60	0	0	0	0	0	3,866	0		3,866	2.25	130,646
24	48.00	2.84	13,896.59	0	0	0	0	0	13,897	0		13,897	2.25	130,646
25	48.00	0.00	0.00	19,970	880	4,270	102,410	0	127,530	0		127,530	4.50	261,293
26	48.00	0.00	0.00	9,030	0	1,250	60,350	0	70,630	45,000		25,630	5.00	290,325
27	48.00	0.00	0.00	6,770	7,270	1,310	39,940	0	55,290	82,500		-27,210	4.75	275,809
28	48.00	0.04	195.73	4,930	2,540	1,250	26,800	0	35,716	67,500		-31,784	4.75	275,809
29	48.00	0.00	0.00	3,990	2,120	1,350	20,840	0	28,300	14,900		13,400	4.50	261,293
30	48.00	0.00	0.00	0	0	0	0	0	0	0		0	4.50	261,293
31	48.00	0.00	0.00	6,910	4,140	2,680	34,730	0	48,460	52,600		-4,140	4.50	261,297
<b>TOTAL</b>	<b>-</b>	<b>6.29</b>	<b>30,778.02</b>	<b>86,480</b>	<b>42,990</b>	<b>42,850</b>	<b>408,770</b>	<b>0</b>	<b>611,868</b>	<b>533,400</b>	<b>0</b>	<b>78,468</b>		

611,868

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 flow meter 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 flow meter 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.
8. Leachate reused for dust control in landfill.

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX

Nov 2005

DAILY PRECIPITATION DATA AND LEACHATE BALANCE

DATE	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	tank	CUMULATIVE
	AREA	RAINFALL <sup>1</sup>	STORAGE TANK <sup>2</sup>	CELL 1	CELL 2	CELL 3	CELL 4	MRF	LEACHATE <sup>4</sup>	REMOVED <sup>5</sup>	REUSE <sup>8</sup>	BALANCE <sup>6</sup>	level	STORAGE <sup>7</sup>
	(acres)	(inches)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)		(gallons)	(feet)	(gallons)
1	48.00	0.72	3,523.08	2,790	1,770	600	12,440	0	21,123	67,700		-46,577	3.75	217,744
2	48.00	0.01	48.93	2,490	2,400	0	13,320	0	18,259	60,000		-41,741	3.00	174,195
3	48.00	0.00	0.00	3,890	1,880	0	11,320	0	17,090	15,000		2,090	3.00	174,195
4	48.00	0.00	0.00	2,840	1,700	0	10,060	0	14,600	0		14,600	3.25	188,711
5	48.00	0.00	0.00	3,070	1,930	2,620	10,540	0	18,160	0		18,160	3.25	188,711
6	48.00	0.00	0.00	0	0	0	0	0	0	0		0	3.25	188,711
7	48.00	0.00	0.00	5,390	3,170	5,970	17,000	0	31,530	3,800		27,730	4.00	232,260
8	48.00	0.00	0.00	2,250	1,670	1,890	7,570	0	13,380	8,400		4,980	4.00	232,260
9	48.00	0.00	0.00	2,100	1,470	1,750	6,600	0	11,920	11,900		20	4.00	232,260
10	48.00	0.00	0.00	2,240	1,510	1,760	6,310	0	11,820	24,900		-13,080	3.75	217,744
11	48.00	0.00	0.00	1,970	550	1,810	6,330	0	10,660	16,200		-5,540	3.50	203,228
12	48.00	0.00	0.00	1,620	1,130	1,620	5,280	0	9,650	0		9,650	3.75	217,744
13	48.00	0.00	0.00	0	0	0	0	0	0	0		0	3.75	217,744
14	48.00	0.00	0.00	3,750	0	3,420	10,550	0	17,720	0		17,720	4.00	232,260
15	48.00	0.00	0.00	1,180	1,440	1,760	4,620	0	9,000	0		9,000	4.25	246,776
16	48.00	0.00	0.00	2,070	1,550	1,590	4,370	0	9,580	0		9,580	4.50	261,293
17	48.00	0.00	0.00	1,710	1,510	1,860	4,590	0	9,670	8,400		1,270	4.50	261,293
18	48.00	0.00	0.00	1,320	720	1,500	3,800	0	7,340	16,800		-9,460	4.25	246,776
19	48.00	0.00	0.00	1,630	1,430	1,690	3,920	0	8,670	4,100		4,570	4.50	261,293
20	48.00	0.00	0.00	0	0	0	0	0	0	0		0	4.50	261,293
21	48.00	0.11	538.25	2,900	2,850	3,500	7,620	0	17,408	16,500		908	4.50	261,293
22	48.00	0.00	0.00	1,670	1,400	1,670	3,560	0	8,300	4,100		4,200	4.50	261,293
23	48.00	0.00	0.00	1,090	700	1,530	3,370	0	6,690	0		6,690	4.50	261,293
24	48.00	0.00	0.00	0	0	0	0	0	0	0		0	4.50	261,293
25	48.00	0.00	0.00	2,850	2,150	3,350	6,470	0	14,820	0		14,820	4.75	275,809
26	48.00	0.00	0.00	1,150	1,430	1,580	3,010	0	7,170	0		7,170	4.75	275,809
27	48.00	0.01	48.93	0	0	0	0	0	49	0		49	4.75	275,809
28	48.00	0.79	3,865.60	2,930	2,940	3,420	6,150	0	19,306	4,100		15,206	5.00	290,325
29	48.00	1.06	5,186.76	1,900	1,740	1,790	3,090	0	13,707	0		13,707	5.50	319,358
30	48.00	0.00	0.00	1,520	1,600	1,520	5,420	0	10,060	0		10,060	5.50	319,358
31	48.00	0.00	0.00	0	0	0	0	0	0	0		0	5.50	319,363
<b>TOTAL</b>	<b>-</b>	<b>2.70</b>	<b>13,211.55</b>	<b>58,320</b>	<b>40,640</b>	<b>48,200</b>	<b>177,310</b>	<b>0</b>	<b>337,682</b>	<b>261,900</b>	<b>0</b>	<b>75,782</b>		

337,682

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.
8. Leachate reused for dust control in landfill.

Dec 2005  
DAILY PRECIPITATION DATA AND LEACHATE BALANCE

	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	tank	CUMULATIVE
DATE	AREA	RAINFALL <sup>1</sup>	STORAGE TANK <sup>2</sup>	CELL 1	CELL 2	CELL 3	CELL 4	MRF	LEACHATE <sup>4</sup>	REMOVED <sup>5</sup>	REUSE <sup>8</sup>	BALANCE <sup>6</sup>	level	STORAGE <sup>7</sup>
	(acres)	(inches)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)		(gallons)	(feet)	(gallons)
1	48.00	0.01	48.93	1,490	1,280	1,510	5,140	0	9,469	0		9,469	5.75	333,874
2	48.00	0.00	0.00	1,590	1,170	1,660	5,010	0	9,430	0		9,430	5.75	333,874
3	48.00	0.00	0.00	1,750	1,860	1,580	4,260	0	9,450	0		9,450	6.00	348,390
4	48.00	0.00	0.00	0	0	0	0	0	0	0		0	6.00	348,390
5	48.00	0.00	0.00	3,140	2,630	3,270	7,990	0	17,030	34,500		-17,470	5.50	319,358
6	48.00	0.19	929.70	1,750	1,270	1,670	3,680	0	9,300	51,900		-42,600	5.00	290,325
7	48.00	0.00	0.00	1,660	1,240	1,560	3,990	0	8,450	10,200		-1,750	5.00	290,325
8	48.00	0.11	538.25	1,500	1,800	1,680	2,940	0	8,458	35,000		-26,542	4.50	261,293
9	48.00	0.00	0.00	1,410	1,280	1,520	2,950	0	7,160	21,000		-13,840	4.25	246,776
10	48.00	0.00	0.00	1,600	1,300	1,620	3,380	0	7,900	0		7,900	4.50	261,293
11	48.00	0.00	0.00	0	0	0	0	0	0	0		0	4.50	261,293
12	48.00	0.00	0.00	2,790	2,570	3,200	5,960	0	14,520	0		14,520	4.50	261,293
13	48.00	0.00	0.00	1,310	1,200	1,640	2,850	0	7,000	4,200		2,800	4.75	275,809
14	48.00	0.00	0.00	1,240	1,820	1,570	2,820	0	7,450	8,400		-950	4.75	275,809
15	48.00	0.32	1,565.81	1,410	1,230	1,720	2,930	0	8,856	16,300		-7,444	4.50	261,293
16	48.00	0.00	0.00	1,330	1,200	1,580	2,560	0	6,670	0		6,670	4.50	261,293
17	48.00	0.07	342.52	1,230	1,790	1,580	2,690	0	7,633	0		7,633	4.75	275,809
18	48.00	0.01	48.93	0	0	0	0	0	49	0		49	4.75	275,809
19	48.00	0.00	0.00	2,580	2,410	3,120	5,060	0	13,170	0		13,170	5.00	290,325
20	48.00	0.00	0.00	1,200	1,250	1,520	2,920	0	6,890	0		6,890	5.00	290,325
21	48.00	0.00	0.00	1,720	1,270	1,570	2,620	0	7,180	0		7,180	5.25	304,841
22	48.00	0.00	0.00	480	1,340	1,470	2,360	0	5,650	0		5,650	5.25	304,841
23	48.00	0.00	0.00	1,180	1,300	1,540	2,480	0	6,500	0		6,500	5.50	319,358
24	48.00	0.00	0.00	1,560	1,280	1,500	2,400	0	6,740	8,500		-1,760	5.50	319,358
25	48.00	0.04	195.73	0	0	0	0	0	196	0		196	5.50	319,358
26	48.00	0.00	0.00	1,330	2,580	3,190	3,690	0	10,790	12,700		-1,910	5.25	304,841
27	48.00	0.00	0.00	1,480	1,320	1,480	3,300	0	7,580	4,200		3,380	5.50	319,358
28	48.00	0.00	0.00	1,220	1,300	1,530	2,480	0	6,530	27,900		-21,370	5.00	290,325
29	48.00	0.00	0.00	1,140	1,310	1,520	2,410	0	6,380	27,500		-21,120	4.50	261,293
30	48.00	0.00	0.00	1,020	1,320	1,480	2,270	0	6,090	0		6,090	4.50	261,293
31	48.00	0.01	48.93	1,450	1,320	1,550	2,290	0	6,659	0		6,659	4.75	275,814
<b>TOTAL</b>	-	<b>0.76</b>	<b>3,718.81</b>	<b>41,560</b>	<b>41,640</b>	<b>48,830</b>	<b>93,430</b>	<b>0</b>	<b>229,179</b>	<b>262,300</b>	<b>0</b>	<b>-33,121</b>		

229,179

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.
8. Leachate reused for dust control in landfill.