



SARASOTA COUNTY
"Dedicated to Quality Service"

~~2007~~
188444
Dept. of Environmental
Protection

APR 16 2007

April 3, 2007,

Southwest District

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

Re: Central County Solid Waste Disposal Complex 51614
Permit Number 130542-002-so/01
Quarterly Leachate Balance Report January-March 07

Dear Ms. Pelz:

Enclosed you will find the Quarterly Leachate Generation Report for the First quarter of 2007 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

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K:\projects\Central County Solid Waste Disposal Complex\Leachate\2007 reports\leachate balance 1stquarter 2007 doc.doc

FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION
 APR + 6 2007
 SOUTHWEST DISTRICT
 TAMPA

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX

January 2007

DAILY PRECIPITATION DATA AND LEACHATE BALANCE

	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	tank	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)	PUMPED ³	PUMPED	PUMPED	PUMPED	PUMPED	PUMPED	(gallons)	(gallons)		(gallons)	(feet)	(gallons)
				(gallons)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)						
1	60.00		0.00	0	0	0	0	2,430	0	2,430	0	0	2,430	0.00	0
2	60.00	1.31	6,410.05	6,430	4,200	4,140	6,260	25,890	0	27,440	53,100	0	-25,660	13.50	783,878
3	60.00		0.00	2,870	1,090	1,490	1,980	14,780	0	7,430	25,800	0	-18,370	13.75	798,394
4	60.00		0.00	2,940	1,670	1,410	1,300	10,310	0	7,320	20,300	0	-12,980	14.00	812,910
5	60.00		0.00	2,350	1,100	1,240	1,350	9,410	0	6,040	16,800	0	-10,760	14.25	827,426
6	60.00		0.00	1,780	1,120	1,430	1,840	6,840	0	6,170	13,400	0	-7,230	14.50	841,943
7	60.00		0.00	0	0	0	0	0	0	0	0	0	0	14.50	841,943
8	60.00		0.00	3,530	1,670	2,630	3,870	10,330	0	11,700	22,200	0	-10,500	15.00	870,975
9	60.00	0.05	244.66	2,980	1,160	1,910	2,320	5,340	0	8,615	12,500	0	-3,885	15.00	870,975
10	60.00		0.00	1,160	1,340	1,450	1,810	4,960	0	5,760	10,300	0	-4,540	15.25	885,491
11	60.00		0.00	620	530	1,010	1,690	3,710	0	3,850	3,900	0	-50	15.50	900,008
12	60.00		0.00	2,000	820	1,320	1,600	4,060	100	5,740	6,600	0	-860	15.50	900,008
13	60.00		0.00	1,390	1,300	1,220	1,250	3,640	0	5,160	6,000	0	-840	15.75	914,524
14	60.00		0.00	0	0	0	0	0	0	0	0	0	0	15.75	914,524
15	60.00		0.00	2,590	1,820	2,460	2,300	7,600	0	9,170	10,600	0	-1,430	15.75	914,524
16	60.00		0.00	1,460	1,240	1,240	1,480	3,580	0	5,420	6,300	0	-880	15.75	914,524
17	60.00		0.00	1,310	1,090	1,220	1,970	2,290	0	5,590	9,000	0	-3,410	15.75	914,524
18	60.00		0.00	1,300	550	1,180	1,850	3,950	0	4,880	10,200	0	-5,320	16.00	929,040
19	60.00		0.00	1,310	1,080	1,230	1,300	3,290	0	4,920	9,500	0	-4,580	16.00	929,040
20	60.00		0.00	1,400	1,100	1,280	1,390	3,240	0	5,170	9,700	0	-4,530	16.00	929,040
21	60.00		0.00	0	0	0	0	0	0	0	0	0	0	16.00	929,040
22	60.00		0.00	2,580	2,210	2,400	2,370	5,300	0	9,560	18,200	0	-8,640	16.25	943,556
23	60.00	0.11	538.25	1,260	540	1,440	1,520	3,750	0	5,298	9,000	0	-3,702	16.00	929,040
24	60.00		0.00	1,320	1,130	1,290	1,510	2,950	0	5,250	9,600	0	-4,350	15.50	900,008
25	60.00	0.33	1,614.75	1,240	1,070	1,240	1,930	2,640	0	7,095	9,600	0	-2,505	15.50	900,008
26	60.00		0.00	590	1,060	1,260	2,320	2,720	0	5,230	9,200	0	-3,970	15.50	900,008
27	60.00		0.00	1,140	520	1,050	1,370	2,660	0	4,080	7,900	0	-3,820	15.75	914,524
28	60.00		0.00	0	0	0	0	0	0	0	0	0	0	15.75	914,524
29	60.00	0.32	1,565.81	2,420	2,180	2,880	3,390	5,360	0	12,436	18,500	0	-6,064	16.00	929,040
30	60.00		0.00	1,720	1,120	1,070	1,730	2,450	0	5,640	9,400	0	-3,760	16.00	929,040
31	60.00		0.00	610	620	840	1,290	2,430	0	3,360	6,600	0	-3,240	16.25	943,573
TOTAL	-	2.12	10,373.51	50,300	33,330	41,330	52,990	100	190,754	344,200	0	-153,446			

188,324

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

Feb 2007

DAILY PRECIPITATION DATA AND LEACHATE BALANCE

	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	tank	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)	(gallons)	(feet)	(gallons)
1	60.00		0.00	1,220	1,110	960	870	2,420	0	6,580	7,500	0	-920	16.50	958,073
2	60.00	1.45	7,095.09	2,340	890	1,920	1,350	6,120	9,100	13,595	14,100	0	-505	17.00	987,105
3	60.00	0.20	978.63	1,600	1,600	1,420	3,290	17,860	0	8,889	29,800	0	-20,911	17.25	1,001,621
4	60.00		0.00	0	0	0	0	0	0	0	0	0	0	17.25	1,001,621
5	60.00	0.28	1,370.09	4,600	2,310	2,480	4,430	21,880	2,700	15,190	43,300	0	-28,110	17.50	1,016,138
6	60.00		0.00	2,140	970	1,290	1,470	8,250	0	5,870	16,200	0	-10,330	17.00	987,105
7	60.00		0.00	1,700	1,090	1,360	1,220	6,290	0	5,370	13,700	0	-8,330	17.25	1,001,621
8	60.00		0.00	1,440	1,190	1,140	910	6,070	0	4,680	12,200	0	-7,520	17.50	1,016,138
9	60.00		0.00	1,520	1,010	1,250	1,360	4,580	0	5,140	11,000	0	-5,860	17.50	1,016,138
10	60.00		0.00	2,110	980	1,530	1,350	4,580	0	5,970	12,100	0	-6,130	18.00	1,045,170
11	60.00		0.00	0	0	0	0	0	0	0	0	0	0	18.00	1,045,170
12	60.00	0.42	2,055.13	3,070	2,040	2,960	3,920	7,590	0	14,045	22,900	0	-8,855	18.50	1,074,203
13	60.00	0.07	342.52	2,780	1,450	1,430	900	3,600	0	6,903	10,600	0	-3,697	18.50	1,074,203
14	60.00	0.19	929.70	140	970	1,360	1,960	3,760	0	5,360	16,800	0	-11,440	18.00	1,045,170
15	60.00		0.00	1,640	1,010	1,490	1,960	3,610	0	6,100	5,500	0	600	18.00	1,045,170
16	60.00		0.00	2,020	1,010	1,470	2,290	4,240	0	6,790	13,000	0	-6,210	18.00	1,045,170
17	60.00		0.00	1,760	970	1,180	1,760	3,460	0	5,670	10,800	0	-5,130	18.25	1,059,686
18	60.00		0.00	0	0	0	0	0	0	0	0	0	0	18.25	1,059,686
19	60.00	0.09	440.39	2,100	2,050	2,820	3,730	6,950	0	11,140	20,900	0	-9,760	18.00	1,045,170
20	60.00		0.00	1,460	620	1,360	1,240	3,590	0	4,680	10,600	0	-5,920	18.00	1,045,170
21	60.00		0.00	1,210	1,060	1,220	880	3,160	0	4,370	10,000	0	-5,630	17.00	987,105
22	60.00		0.00	1,520	1,070	1,380	920	2,990	0	4,890	9,100	0	-4,210	16.50	958,073
23	60.00		0.00	1,440	1,020	1,270	1,710	3,000	0	5,440	10,300	0	-4,860	16.00	929,040
24	60.00		0.00	890	590	1,330	1,100	2,730	0	3,910	9,100	0	-5,190	16.00	929,040
25	60.00		0.00	0	0	0	0	0	0	0	0	0	0	16.00	929,040
26	60.00		0.00	3,440	2,040	2,640	3,000	5,830	0	11,120	20,500	0	-9,380	16.00	929,040
27	60.00		0.00	1,140	940	630	1,630	2,820	0	4,340	8,200	0	-3,860	15.50	900,008
28	60.00		0.00	1,090	800	0	1,600	2,570	0	3,490	7,600	0	-4,110	15.50	900,008
29	60.00		0.00	0	0	0	0	0	0	0	0	0	0	0.00	0
30	60.00		0.00	0	0	0	0	0	0	0	0	0	0	0.00	0
31	60.00		0.00	0	0	0	0	0	0	0	0	0	0	0.00	0
TOTAL	-	2.70	13,211.55	44,370	28,790	35,890	44,850		11,800	169,532	345,800	0	-176,268		

167,112

Notes:

- Precipitation recorded at the CCSWDC weather station.
- Rainfall falling into the leachate storage tank (13,275 square feet area) which is classified as leachate.
- 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.
- Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill.
- Quantity of leachate hauled away based on the flowmeter at the leachate storage tank plus what is used for reuse
- Total leachate added to the storage tank minus the quantity hauled during a day (daily increase or decrease).
- Quantity of leachate stored in the tank.

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX

Mar 2007

DAILY PRECIPITATION DATA AND LEACHATE BALANCE

	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	tank	CUMULATIVE
DATE	AREA	RAINFALL ¹	STORAGE TANK ²	CELL 1	CELL 2	CELL 3	CELL 4	CELL 5	MRF	LEACHATE ⁴	REMOVED ⁵	REUSE ⁶	BALANCE ⁷	level	STORAGE ⁷	
	(acres)	(inches)	(gallons)	PUMPED ³	PUMPED	PUMPED	PUMPED	PUMPED	PUMPED	(gallons)	(gallons)		(gallons)	(feet)	(gallons)	
1	60.00		0.00	1,710	920	310	1,540	2,590	0	7,070	8,700	0	-1,630	15.50	900,008	
2	60.00		0.00	1,170	890	0	1,030	2,490	0	3,090	6,900	0	-3,810	15.50	900,008	
3	60.00		0.00	580	1,030	190	2,080	2,400	0	3,880	7,500	0	-3,620	16.00	929,040	
4	60.00		0.00	0	0	0	0	0	0	0	0	0	0	16.00	929,040	
5	60.00		0.00	2,320	1,460	6,320	4,550	5,030	0	14,650	24,200	0	-9,550	16.00	929,040	
6	60.00		0.00	990	1,060	1,300	1,700	2,400	0	5,050	9,100	0	-4,050	15.50	900,008	
7	60.00		0.00	1,070	960	1,280	1,230	2,390	0	4,540	8,600	0	-4,060	16.00	929,040	
8	60.00		0.00	1,750	530	1,150	1,200	2,170	0	4,630	8,100	0	-3,470	16.00	929,040	
9	60.00		0.00	1,120	1,040	1,180	1,340	2,240	0	4,680	9,400	0	-4,720	15.00	870,975	
10	60.00		0.00	510	940	1,270	1,380	2,410	0	4,100	7,900	0	-3,800	15.00	870,975	
11	60.00		0.00	0	0	0	0	0	0	0	0	0	0	15.00	870,975	
12	60.00		0.00	2,240	1,590	2,430	3,270	4,360	0	9,530	16,900	0	-7,370	14.50	841,943	
13	60.00		0.00	1,110	1,010	1,120	1,560	2,300	0	4,800	8,400	0	-3,600	13.50	783,878	
14	60.00		0.00	1,160	510	1,190	1,080	2,070	0	3,940	8,000	0	-4,060	12.50	725,813	
15	60.00	0.62	3,033.76	1,250	980	1,120	960	2,140	0	7,344	8,000	0	-656	12.00	696,780	
16	60.00		0.00	1,650	1,020	1,380	1,500	2,120	1,300	5,550	9,600	0	-4,050	10.75	624,199	
17	60.00		0.00	1,040	990	1,210	1,920	2,140	200	5,160	8,700	0	-3,540	10.50	609,683	
18	60.00		0.00	0	0	0	0	0	0	0	0	0	0	10.50	609,683	
19	60.00		0.00	1,560	1,480	2,020	4,330	3,840	1,480	9,390	23,000	0	-13,610	10.25	595,166	
20	60.00		0.00	1,200	500	1,140	1,250	2,180	0	4,090	1,800	0	2,290	9.00	522,585	
21	60.00		0.00	510	990	1,090	1,270	1,840	0	3,860	8,300	0	-4,440	8.50	493,553	
22	60.00		0.00	1,100	1,000	1,100	1,290	1,760	0	4,490	6,800	0	-2,310	8.00	464,520	
23	60.00		0.00	1,150	510	1,250	1,280	2,150	0	4,190	8,000	0	-3,810	8.00	464,520	
24	60.00		0.00	1,260	990	1,120	1,350	1,910	0	4,720	8,500	0	-3,780	7.00	406,455	
25	60.00		0.00	0	0	0	0	0	0	0	0	0	0	7.00	406,455	
26	60.00		0.00	1,760	1,580	2,350	2,780	3,670	0	8,470	14,800	0	-6,330	7.25	420,971	
27	60.00		0.00	690	1,120	1,090	1,470	1,790	0	4,370	14,800	0	-10,430	7.50	435,488	
28	60.00		0.00	1,250	1,320	1,060	1,450	1,770	0	5,080	1,200	0	3,880	7.50	435,488	
29	60.00		0.00	1,200	1,360	1,230	1,490	1,720	0	5,280	8,500	0	-3,220	7.50	435,488	
30	60.00		0.00	1,150	1,410	1,070	1,440	1,790	2,300	5,070	8,100	0	-3,030	7.50	435,488	
31	60.00		0.00	590	920	1,040	1,450	1,720	0	4,000	6,700	0	-2,700	8.00	464,528	
TOTAL	-	0.62	3,033.76	33,090	28,110	37,010	47,190	3,800	3,800	151,024	260,500	0	-109,476			

148,434

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.