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SARASOTA COUNTY
"Dedicated to Quality Service"

Dept. Of Environmental Protection
APR 08 2010
Southwest District

April 5, 2010

Susan Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Re: Central County Solid Waste Disposal Complex
Permit Number 130542-002-SO/01
First Quarter Leachate Generation Report 2010 (January-March)

Dear Ms. Pelz:

Enclosed is the first quarter report for leachate generation, submitted in accordance with Specific Condition Part C.8.d.2.

Please contact me if you have any questions at (941) 861-1589 or lerose@scgov.net.

Sincerely,

Lois Rose
Manager, Solid Waste

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX
JANUARY 2010
DAILY PRECIPITATION DATA AND LEACHATE GENERATION REPORT

DATE	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE LEVEL	LEACHATE	LEACHATE LEVEL	LEACHATE	LEACHATE LEVEL	LEACHATE	LEACHATE LEVEL	LEACHATE	LEACHATE LEVEL	LEACHATE	LEACHATE	TOTAL	TOTAL	TOTAL	TOTAL	TANK	LEACHATE
	AREA	RAINFALL ¹	STORAGE TANK ²	PIEZOMETER 1	PUMPED ³	PIEZOMETER 2	PUMPED ³	PIEZOMETER 3	PUMPED ³	PIEZOMETER 4	PUMPED ³	PIEZOMETER 5	PUMPED ³	MRF	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEVEL	STORAGE ⁷
	(acres)	(inches)	(gallons)	ELEVATION	CELL 1	ELEVATION	CELL 2	ELEVATION	CELL 3	ELEVATION	CELL 4	ELEVATION	CELL 5	PUMPED	COLLECTED ⁴	REMOVED ⁵	REUSE ⁶	BALANCE ⁸	(feet)	(gallons)
1	55.00		0.00		0		0		0		0		0		0	0	0	0	0.00	0
2	55.00	1.27	6,214.32	15.20	570	18.00	2,610	12.10	2,010	19.20	3,540	17.70	5,370	3,000	23,314	0	0	23,314	3.25	188,711
3	55.00		0.00		0		0		0		0		0		0	0	0	0	0.00	0
4	55.00	0.00	0.00	14.30	830	18.40	1,980	19.30	1,740	19.60	2,650	17.60	8,160	100	15,460	65,000	0	-49,540	2.50	145,163
5	55.00	0.00	0.00	NR	70	18.00	890	19.30	820	19.40	1,290	17.60	4,070	100	7,240	46,436	0	-39,196	2.00	116,130
6	55.00	0.00	0.00	NR	180	18.00	970	19.10	920	19.40	1,350	17.20	3,520	0	6,940	96,000	0	-89,060	0.50	29,033
7	55.00	0.00	0.00	12.30	2,050	18.00	990	19.30	920	19.60	1,350	17.90	3,020	600	8,930	0	0	8,930	0.50	29,033
8	55.00	0.04	195.73	18.40	810	18.20	960	19.30	920	19.40	1,480	17.70	2,630	0	6,996	0	0	6,996	0.50	29,033
9	55.00	0.38	1,859.40	17.60	680	18.00	780	19.50	850	19.60	1,380	17.60	2,810	0	8,359	0	0	8,359	0.50	29,033
10	55.00		0.00		0		0		0		0		0		0	0	0	0	0.00	0
11	55.00	0.07	342.52	18.40	0	18.00	2,070	19.50	1,720	19.20	2,430	16.00	4,300	3,000	13,863	0	0	13,863	1.25	72,581
12	55.00	0.00	0.00	18.80	0	18.00	960	19.50	870	19.60	1,360	16.70	2,080	0	5,270	44,000	0	-38,730	1.00	58,065
13	55.00	0.00	0.00	18.00	1,130	19.30	740	19.30	860	19.60	1,210	16.40	1,950	0	5,890	0	0	5,890	1.00	58,065
14	55.00	0.00	0.00	17.80	0	18.40	1,000	19.30	810	19.00	1,400	17.20	1,880	0	5,090	0	0	5,090	1.50	87,098
15	55.00	0.00	0.00	18.80	0	18.80	1,040	19.50	970	19.20	1,310	16.40	1,890	0	5,210	53,000	0	-47,790	0.75	43,549
16	55.00	0.00	0.00	18.40	770	17.80	970	19.30	770	19.60	1,110	17.30	1,430	0	5,050	30,133	0	-25,083	0.50	29,033
17	55.00		0.00		0		0		0		0		0		0	0	0	0	0.00	0
18	55.00	0.46	2,250.86	18.20	0	19.00	2,470	19.50	2,100	19.20	3,350	17.30	2,330	0	12,501	0	0	12,501	1.50	87,098
19	55.00	0.02	97.86	16.90	4,690	19.00	950	19.50	780	18.80	1,010	18.00	0	0	7,528	23,093	0	-15,565	1.50	87,098
20	55.00	0.00	0.00	16.30	90	18.80	1,160	19.20	990	19.20	1,510	19.20	4,650	0	8,400	0	0	8,400	2.00	116,130
21	55.00	0.00	0.00	18.40	790	17.60	1,180	18.90	900	19.60	1,420	18.80	1,790	0	6,080	79,800	0	-73,720	1.00	58,065
22	55.00	0.24	1,174.36	17.10	1,090	17.60	940	19.50	820	19.60	1,320	18.40	1,800	0	7,144	39,800	0	-32,656	0.50	29,033
23	55.00	0.00	0.00	16.30	970	17.60	930	17.00	830	19.00	1,250	19.40	1,320	0	5,300	0	0	5,300	0.75	43,549
24	55.00		0.00		0		0		0		0		0		0	0	0	0	0.00	0
25	55.00	0.43	2,104.06	19.50	0	18.40	2,270	19.50	1,930	19.60	2,990	17.90	3,920	0	13,214	13,300	0	-86	1.50	87,098
26	55.00	0.00	0.00	18.20	2,510	18.40	960	18.90	840	19.60	1,210	18.70	1,370	0	6,890	68,066	0	-61,176	0.50	29,033
27	55.00	0.00	0.00	16.10	700	17.80	1,050	19.50	740	19.60	1,190	18.80	1,370	0	5,050	6,317	0	-1,267	0.75	43,549
28	55.00	0.00	0.00	15.20	360	19.30	740	19.30	830	19.60	1,160	18.90	1,520	0	4,610	0	0	4,610	1.00	58,065
29	55.00	0.00	0.00	14.60	690	18.60	1,050	19.30	50,950	19.40	1,430	18.10	1,870	0	55,990	23,500	0	32,490	0.50	29,033
30	55.00	0.00	0.00	16.30	330	17.60	980	19.50	-49,150	19.00	1,290	19.10	950	0	-45,600	0	0	-45,600	1.00	58,065
31	55.00		0.00		0		0		0		0		0		0	0	0	0	0.00	0
TOTALS	-	2.91	14,239.12		19,310		30,640		26,740		40,990		66,000	6,800	204,719	588,445	0	-383,726		1,640,336

Number of Acres Open = 3
 Number of Acres Intermediate = 52
 Number of Acres Closed = 0

- 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 1 landfill area to the storage tank.
 - Sum of rainfall into the storage tank and the leachate pumped from the Class 1 landfill & MRF.
 - Quantity of leachate pumped to WWTP 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 pumped during a day (daily increase or decrease).
 - Quantity of leachate stored in the tank.
 - Leachate reused for dust control in landfill.
 - NR = No reading.

FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION
 APR 08 2010
 SOUTHWEST DISTRICT
 TAMPA

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX
FEBRUARY 2010
DAILY PRECIPITATION DATA AND LEACHATE GENERATION REPORT

DATE	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE LEVEL	LEACHATE	LEACHATE LEVEL	LEACHATE	LEACHATE LEVEL	LEACHATE	LEACHATE LEVEL	LEACHATE	LEACHATE LEVEL	LEACHATE	LEACHATE	TOTAL	TOTAL	TOTAL	TOTAL	TANK	LEACHATE
	AREA	RAINFALL ¹	STORAGE TANK ²	PIEZOMETER 1	PUMPED ³	PIEZOMETER 2	PUMPED ³	PIEZOMETER 3	PUMPED ³	PIEZOMETER 4	PUMPED ³	PIEZOMETER 5	PUMPED ³	MRF	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEVEL	CUMULATIVE
	(acres)	(inches)	(gallons)	ELEVATION	CELL 1	ELEVATION	CELL 2	ELEVATION	CELL 3	ELEVATION	CELL 4	ELEVATION	CELL 5	PUMPED	COLLECTED ⁴	REMOVED ⁵	REUSE ⁶	BALANCE ⁷		
1	55.00	0.13	636.11	17.40	1,560	17.60	2,180	19.10	1,910	19.40	2,880	17.30	3,580	0	0	0	0	0	1.50	87,098
2	55.00	0.28	1,370.09	20.30	20	16.90	1,040	16.30	880	19.30	1,270	17.70	1,400	0	5,980	48,000	0	-42,020	1.00	58,065
3	55.00	0.00	0.00	16.90	1,350	15.00	380	18.90	950	19.00	1,530	18.80	1,530	0	5,740	60,000	0	-54,260	0.50	29,033
4	55.00	0.00	0.00	16.50	520	16.90	1,600	14.10	850	19.40	1,170	18.80	1,470	0	5,610	16,562	0	-10,952	0.50	29,033
5	55.00	1.00	4,893.17	18.00	370	19.00	640	19.50	910	19.20	1,490	19.10	1,460	0	9,763	0	0	9,763	0.50	29,033
6	55.00	0.08	391.45	18.20	0	18.20	1,250	19.30	1,080	19.60	1,590	17.20	2,970	0	7,281	0	0	7,281	1.25	72,581
7	55.00	0.00	0.00	16.10	0	17.60	860	14.00	1,660	19.40	2,500	18.70	6,090	0	14,410	22,867	0	-8,457	1.50	87,098
8	55.00	0.00	0.00	16.90	900	18.00	1,750	19.30	850	19.40	1,260	19.20	2,980	0	7,740	52,100	0	-44,360	1.00	58,065
9	55.00	0.20	978.63	17.80	1,000	19.30	950	19.10	890	19.60	1,340	17.20	3,200	0	8,359	57,930	0	-49,571	0.25	14,516
10	55.00	0.00	0.00	16.10	800	17.80	1,370	12.40	980	19.40	1,410	17.60	2,730	0	7,290	13,912	0	-6,622	0.25	14,516
11	55.00	0.42	2,055.13	18.00	380	18.40	1,220	19.10	1,090	18.50	1,560	18.30	0	0	6,305	0	0	6,305	0.75	43,549
12	55.00	0.37	1,810.47	18.60	1,740	19.30	830	19.30	710	19.60	1,200	17.70	0	0	6,290	59,238	0	-52,948	0.50	29,033
13	55.00	0.00	0.00	15.40	1,910	19.00	2,280	19.30	1,880	19.40	2,700	18.60	10,950	0	19,720	0	0	19,720	0.75	43,549
14	55.00	0.00	0.00	17.40	1,130	18.00	940	19.10	790	19.40	1,140	16.90	2,700	0	6,700	0	0	6,700	1.00	58,065
15	55.00	0.00	0.00	18.60	810	18.80	1,050	19.30	1,050	18.80	1,500	19.10	2,830	0	7,240	0	0	7,240	1.00	58,065
16	55.00	0.00	0.00	18.00	1,780	18.00	1,040	19.50	860	19.60	1,110	17.20	2,700	0	7,490	18,019	0	-10,529	1.00	58,065
17	55.00	0.00	0.00	16.90	770	17.80	1,060	19.30	960	19.20	1,340	19.20	0	0	4,130	0	0	4,130	1.50	87,098
18	55.00	0.00	0.00	16.30	0	18.40	720	18.90	820	19.40	1,100	19.30	0	0	2,640	17,508	0	-14,868	1.50	87,098
19	55.00	0.00	0.00	16.30	1,750	16.90	2,370	19.30	2,020	19.60	2,870	18.50	8,200	0	16,390	15,700	0	690	1.75	101,614
20	55.00	0.00	0.00	16.90	850	16.90	1,150	18.90	1,020	19.20	1,540	19.40	1,870	0	6,430	86,268	0	-79,838	1.25	72,581
21	55.00	0.30	1,467.95	18.60	1,240	18.80	740	19.50	900	19.60	1,320	19.20	1,820	0	7,488	50,000	0	-42,512	1.00	58,065
22	55.00	0.00	0.00	17.10	0	16.70	1,190	18.70	930	19.60	1,230	18.90	0	0	3,350	47,727	0	-44,377	0.50	29,033
23	55.00	0.00	0.00	14.60	0	17.80	800	19.30	780	19.60	1,060	17.40	3,660	0	6,300	0	0	6,300	0.25	14,516
24	55.00	0.28	1,370.09	18.20	570	18.20	1,090	14.60	1,070	19.50	1,100	18.60	1,660	0	6,860	12,101	0	-5,241	0.25	14,516
25	55.00	0.00	0.00	16.30	0	17.80	800	19.30	780	19.60	1,060	17.40	3,660	0	6,300	0	0	6,300	0.25	14,516
26	55.00	0.00	0.00	16.30	1,750	16.90	2,370	19.30	2,020	19.60	2,870	18.50	8,200	0	16,390	15,700	0	690	1.75	101,614
27	55.00	0.00	0.00	16.90	850	16.90	1,150	18.90	1,020	19.20	1,540	19.40	1,870	0	6,430	86,268	0	-79,838	1.25	72,581
28	55.00	0.00	0.00	17.10	0	16.70	1,190	18.70	930	19.60	1,230	18.90	0	0	3,350	47,727	0	-44,377	0.50	29,033
29	55.00	0.00	0.00	14.60	0	17.80	800	19.30	780	19.60	1,060	17.40	3,660	0	6,300	0	0	6,300	0.25	14,516
30	55.00	0.28	1,370.09	18.20	570	18.20	1,090	14.60	1,070	19.50	1,100	18.60	1,660	0	6,860	12,101	0	-5,241	0.25	14,516
31	55.00	0.00	0.00	16.30	0	17.80	800	19.30	780	19.60	1,060	17.40	3,660	0	6,300	0	0	6,300	0.25	14,516
TOTALS	-	3.06	14,973.09		23,680		28,500		25,840		37,210		63,800	0	181,257	577,932	0	-396,675		1,233,881

Number of Acres Open = 3
Number of Acres Intermediate = 52
Number of Acres Closed = 0

- 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 into the storage tank.
 - Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill & MRF.
 - Quantity of leachate pumped to WWTP 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 pumped during a day (daily increase or decrease).
 - Quantity of leachate stored in the tank.
 - Leachate raised for data control in landfill.
 - NR = No reading.

SARASOTA COUNTY CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX
MARCH 2010
DAILY PRECIPITATION DATA AND LEACHATE GENERATION REPORT

DATE	LANDFILL AREA (acres)	LANDFILL RAINFALL ¹ (inches)	RAINFALL IN STORAGE TANK ² (gallons)	LEACHATE LEVEL PIEZOMETER 1 ELEVATION (inches)	LEACHATE PUMPED ³ CELL 1 (gallons)	LEACHATE LEVEL PIEZOMETER 2 ELEVATION (inches)	LEACHATE PUMPED ³ CELL 2 (gallons)	LEACHATE LEVEL PIEZOMETER 3 ELEVATION (inches)	LEACHATE PUMPED ³ CELL 3 (gallons)	LEACHATE LEVEL PIEZOMETER 4 ELEVATION (inches)	LEACHATE PUMPED ³ CELL 4 (gallons)	LEACHATE LEVEL PIEZOMETER 5 ELEVATION (inches)	LEACHATE PUMPED ³ CELL 5 (gallons)	LEACHATE MRF PUMPED (gallons)	TOTAL LEACHATE COLLECTED ⁴ (gallons)	TOTAL LEACHATE REMOVED ⁵ (gallons)	TOTAL LEACHATE REUSE ⁶ (gallons)	TOTAL LEACHATE BALANCE ⁷ (gallons)	TANK LEVEL (feet)	LEACHATE CUMULATIVE STORAGE ⁸ (gallons)
1	55.00	0.00	0.00		0		0		0		0		0		0	4,500		-4,500	0.00	0
2	55.00	0.22	1,076.50		0		0		0		0		0	0	1,076	0		1,076	0.00	0
3	55.00	0.00	0.00	16.70	2,450	16.30	3,030	18.20	2,680	19.40	3,470	18.00	0	0	11,630	0		11,630	0.00	0
4	55.00	0.00	0.00	18.80	890	18.60	860	19.10	1,500	18.80	2,530	18.30	0	0	5,780	11,700		-5,920	1.00	58,065
5	55.00	0.00	0.00	16.70	820	18.60	940	17.60	1,010	17.10	480	19.20	9,620	0	12,870	27,450		-14,580	1.00	58,065
6	55.00	0.00	0.00	15.40	610	16.90	970	19.10	880	18.80	1,460	19.10	2,390	0	6,310	349		5,961	1.25	72,581
7	55.00		0.00		0		0		0		0		0	0	0	0		0		0
8	55.00	0.00	0.00	16.30	1,490	18.00	2,090	19.30	2,320	nr	1,990	18.70	0	0	7,890	23,300		-15,410	1.50	87,098
9	55.00	0.00	0.00	16.30	660	18.60	820	18.90	1,070	17.90	1,470	18.50	210	0	4,230	29,624		-25,394	1.50	87,098
10	55.00	0.00	0.00	12.30	1,590	17.80	1,220	19.30	1,150	19.60	1,440	18.90	1,940	0	7,340	30,946		-23,606	1.00	58,065
11	55.00	0.00	0.00	15.40	0	19.30	860	18.50	1,290	18.80	2,070	15.70	2,510	0	6,730	34,009		-27,279	1.00	58,065
12	55.00	3.25	15,902.79	16.50	310	19.50	1,740	18.00	0	15.50	0	nr	0	0	17,953	41,907		-23,954	1.50	87,098
13	55.00	0.42	2,055.13	19.30	2,610	18.00	1,560	19.30	2,560	19.60	3,860	17.20	14,170	0	26,815	51,710		-24,895	1.50	87,098
14	55.00		0.00		0		0		0		0		0	0	0	0		0		0
15	55.00	0.00	0.00	18.20	2,240	18.80	1,950	19.30	2,270	19.60	2,930	17.40	26,730	0	36,120	89,492		-53,372	1.50	87,098
16	55.00	0.00	0.00	16.10	1,240	18.80	980	19.30	1,130	19.60	1,170	17.20	11,730	0	16,240	56,850		-40,610	1.00	58,065
17	55.00	0.00	0.00	16.30	720	19.50	940	19.10	1,210	19.00	1,260	18.10	10,910	0	15,040	44,600		-29,560	0.75	43,549
18	55.00	0.00	0.00	17.80	1,270	18.20	1,320	19.50	1,200	19.60	1,220	18.70	10,010	0	15,020	0		15,020	1.00	58,065
19	55.00	0.00	0.00	18.00	850	19.30	820	19.50	1,150	19.60	1,320	19.20	8,690	1,100	13,930	0		13,930	1.50	87,098
20	55.00	0.00	0.00	15.90	1,070	18.60	1,090	19.30	1,080	18.80	1,190	18.20	7,440	0	11,870	0		11,870	2.00	116,130
21	55.00		0.00		0		0		0		0		0	0	0	0		0		0
22	55.00	1.17	5,725.01	18.40	2,060	17.60	2,580	19.10	2,400	19.40	2,710	18.50	13,490	600	29,565	0		29,565	3.00	174,195
23	55.00	0.00	0.00	18.00	960	19.00	820	19.30	1,050	19.60	1,150	18.90	6,890	0	10,870	47,488		-36,618	2.75	159,679
24	55.00	0.00	0.00	14.00	1,450	16.50	11,400	17.40	1,230	17.70	1,260	16.00	6,540	0	21,880	60,516		-38,636	2.25	130,646
25	55.00	0.00	0.00	16.70	0	16.90	-8,990	19.30	940	19.40	1,080	19.20	5,730	0	1,270	68,370		-69,640	1.50	87,098
26	55.00	0.31	1,516.88	18.00	810	18.60	900	18.90	1,110	19.60	1,440	19.20	5,040	0	10,817	44,906		-34,089	1.50	87,098
27	55.00	0.00	0.00	16.10	1,270	19.30	660	19.50	820	19.40	1,070	18.10	4,120	0	7,940	38,832		-30,892	1.00	58,065
28	55.00		0.00		0		0		0		0		0	0	0	0		0		0
29	55.00	1.90	9,297.02	18.00	0	18.60	0	19.30	0	17.30	0	18.30	0	0	9,297	19,150		-9,853	2.25	130,646
30	55.00	0.03	146.80	18.80	3,250	18.80	3,860	19.30	3,940	19.00	0	17.80	19,550	0	30,747	60,592		-29,845	2.00	116,130
31	55.00	0.00	0.00	17.60	1,150	19.30	590	19.30	828	19.00	5,180	16.40	7,780	0	15,528	37,843		-22,315	1.75	101,616
TOTALS		7.36	25,720.12		29,770.00		33,010.00		24,910.00		41,730.00		175,480.00	1,700.00	352,218.12	824,134.00	0.00	-471,915.88		2,148,406.75

Number of Acres Open = 3
 Number of Acres Intermediate = 52
 Number of Acres Closed = 0

- 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 areas to the storage tank.
 - Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill to MRF.
 - Quantity of leachate pumped to WWT 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 pumped during a day (daily increase or decrease).
 - Quantity of leachate stored in the tank.
 - Leachate reused for dust control in landfill.
 - NR = Not reading
 - Replaced meter in Cell 1 on 3/11/10 and in Cell 5 on 3/9/10