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An employee-owned company

August 8, 2006

Dept. of Environmental
Protection

AUG 15 2006

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District Office - Solid Waste Section
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Southwest District

**Re: Manatee County Lena Road Landfill
Monthly Report – July 2006**

Dear Mr. Morris:

This letter includes the following monthly reports: Monthly Water Balance Report (Exhibit A), Leachate Tracking Summary (Exhibit B), Leachate Meter Readings, Monthly Rainfall, Monthly Groundwater Gradient Report.

An inward gradient was present in Stage I and Stage III of the landfill.

If you should have any questions concerning this report, please call me at 407/647-7275, Ext. 4153.

Sincerely,

A handwritten signature in blue ink that reads 'Joe Miller'.

Joe Miller, P.E.
Senior Project Manager

Attachments

cc: Daniel T. Gray, Director, Utility Operations Department
Gus DiFonzo, Solid Waste Manager
Mike Gore/Jeanne Detweiler, Manatee County Landfill Division
File – 120498.94 0100

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A	B	C	D	E	F	G	H
DATE	LEACHATE STAGE I Lift Station 1 (gallons)	LEACHATE STAGE I Lift Station 2 (gallons)	LEACHATE STAGE I TOTAL (gallons)	LEACHATE STAGE III TOTAL (gallons)	TOTAL LEACHATE PUMPED (gallons)	RAINFALL (inches)	RAINFALL (gallons)
01-Jul-06	0	0	0	0	0	0.00	0
02-Jul-06	0	0	0	0	0	0.22	1,003,687
03-Jul-06	29,410	7,870	37,280	164,800	202,080	0.22	1,003,687
04-Jul-06	0	0	0	0	0	0.04	182,489
05-Jul-06	24,230	5,760	29,990	110,700	140,690	0.00	0
06-Jul-06	14,940	3,730	18,670	69,600	88,270	0.00	0
07-Jul-06	8,460	2,390	10,850	44,500	55,350	1.67	7,618,896
08-Jul-06	0	0	0	0	0	0.02	91,244
09-Jul-06	0	0	0	0	0	0.37	1,688,019
10-Jul-06	41,430	15,730	57,160	236,900	294,060	2.02	9,215,670
11-Jul-06	17,480	3,510	20,990	83,400	104,390	0.03	136,866
12-Jul-06	18,710	3,700	22,410	116,000	138,410	0.30	1,368,664
13-Jul-06	13,330	2,880	16,210	68,300	84,510	0.51	2,326,729
14-Jul-06	21,640	3,950	25,590	102,900	128,490	0.00	0
15-Jul-06	0	0	0	0	0	0.00	0
16-Jul-06	0	0	0	0	0	0.00	0
17-Jul-06	58,140	12,720	70,860	331,000	401,860	0.00	0
18-Jul-06	12,470	3,040	15,510	69,800	85,310	0.00	0
19-Jul-06	15,910	3,880	19,790	91,500	111,290	0.32	1,459,908
20-Jul-06	15,840	3,660	19,500	93,000	112,500	2.76	12,591,708
21-Jul-06	19,020	4,750	23,770	98,300	122,070	0.03	136,866
22-Jul-06	0	0	0	0	0	0.00	0
23-Jul-06	0	0	0	0	0	0.38	1,733,641
24-Jul-06	61,840	22,040	83,880	397,400	481,280	0.00	0
25-Jul-06	15,850	4,870	20,720	252,800	273,520	0.00	0
26-Jul-06	22,320	12,320	34,640	0	34,640	0.02	91,244
27-Jul-06	17,210	6,460	23,670	109,200	132,870	0.43	1,961,752
28-Jul-06	15,140	5,020	20,160	99,500	119,660	0.06	273,733
29-Jul-06	0	0	0	0	0	0.09	410,599
30-Jul-06	0	0	0	0	0	0.00	0
31-Jul-06	52,260	12,310	64,570	325,800	390,370	0.00	0
TOTAL	495,630	140,590	636,220	2,865,400	3,501,620	9.49	43,296,402
Leachate Pumped as Percentage of Rainfall			2.4%	16.8%			

Column Notes:

A - Date of reading.

B - Leachate pumped (gallons) from Stage I by lift station 1.

C - Leachate pumped (gallons) from Stage I by lift station 2.

D - Total Stage I leachate pumpage (B+C).

E - Leachate pumped (gallons) from Stage III.

F - Total leachate pumped to WWTP storage tank (D+E).

G - Rainfall (inches) recorded on this date.

H - Rainfall (gallons) calculated based on open area (G x Area x 27,156 gal/acre-in).

	Stage I (acres)	Stage III (acres)	TOTAL (acres)
Initial Cover	--	66.0	66.0
Intermediate Cover	102.0	--	102.0
Closed	30.0	--	30.0
TOTAL	132.0	66.0	198.0
Open Area	102.0	66.0	168.0

Comments

EXHIBIT B

MANATEE COUNTY SOLID WASTE MANAGEMENT FACILITY LENA ROAD LANDFILL MONTHLY LEACHATE TRACKING SUMMARY -- 2006

	B	C	D	E	F	G	H
MONTH	STAGE I	STAGE III	TOTAL			STAGE I	STAGE III
	LEACHATE	LEACHATE	LEACHATE	RAINFALL	RAINFALL	LEACHATE/ RAINFALL	LEACHATE /RAINFALL
	(gallons)	(gallons)	(gallons)	(inches)	(gallons)	(%)	(%)
JANUARY	367,660	3,189,600	3,557,260	1.78	8,120,739	7.5%	100.0%
FEBRUARY	504,280	1,919,500	2,423,780	2.09	9,535,025	8.7%	51.2%
MARCH	451,140	1,709,800	2,160,940	1.07	4,881,568	15.2%	89.2%
APRIL	394,120	1,366,500	1,760,620	0.21	958,065	67.8%	363.1%
MAY	429,690	1,582,600	2,012,290	1.51	6,888,942	10.3%	58.5%
JUNE	462,310	1,971,000	2,433,310	8.15	37,182,036	2.0%	13.5%
JULY	636,220	2,865,400	3,501,620	9.49	43,295,402	2.4%	16.8%
AUGUST							
SEPTEMBER							
OCTOBER							
NOVEMBER							
DECEMBER							
TOTAL	3,245,420	14,604,400	17,849,820	24.30	110,861,777	4.8%	33.5%

Notes:

1. (B) Total leachate pumped from Stage I.
2. (C) Total leachate pumped from Stage III.
3. (D) Total leachate (Column B+C) pumped to the WWTP storage tank.
4. (E) Total rainfall in inches.
5. (F) Total rainfall in gallons (Stage I and III Open Area of 168-acres x Rainfall)
6. (G) Stage I leachate pumped as a percentage of rainfall.
7. (H) Stage III leachate pumped as a percentage of rainfall.

Landfill Stage Land Areas

	Stage I	Stage III	TOTAL
	(acres)	(acres)	(acres)
Initial Cover	--	66.0	66.0
Intermediate Cov	102.0	--	102.0
Closed	30.0	--	30.0
TOTAL	132.0	66.0	198.0
Open Area	102.0	66.0	168.0

LEACHATE METER READINGS
JULY 2006

DATE	LEACHATE			STORMWATER		COMMENTS	NAME
	METER # 1	METER # 2	METER # 3	S. G. # 1	S. G. # 2		
7/3/06	2949880	1793444	2210251	32.00	30.25	OK	AD
7/5/06	2952303	1794520	2211358	31.90	30.69	OK	AD
7/6/06	2953197	1794643	2212054	31.90	30.69	OK	AD
7/7/06	2954143	1795132	2212499	31.87	30.69	OK	AD
7/10/06	2958786	1796705	2214868	32.40	31.27	OK	AD
7/11/06	2960534	1797056	2215702	32.25	32.20	OK	AD
7/12/06	2962405	1797426	2216862	33.60	31.85	OK	AD
7/13/06	2963738	1797714	2217545	33.55	31.74	OK	AD
7/14/06	2965902	1798109	2218574	33.86	32.14	OK	AD
7/17/06	2971716	1799381	2221884	33.70	31.74	OK	AD
7/18/06	2972963	1799685	2222582	33.68	31.70	OK	AD
7/19/06	2974554	1800073	2223497	33.68	31.68	OK	AD
7/20/06	2976138	1800439	2224427	33.68	31.68	OK	AD
7/21/06	2978040	1800914	2225410	35.14	32.27	OK	AD
7/24/06	2984224	1803118	2229384	34.26	32.08	OK	AD
7/25/06	2985809	1803605	2230456	34.34	32.00	OK	AD
7/26/06	2988001	1804837	2231912	34.10	31.90	OK	AD
7/27/06	2989762	1805483	2233004	34.04	31.86	OK	AD
7/28/06	2991276	1805985	2233999	33.90	31.84	OK	AD
7/31/06	2996502	1807216	2237257	34.25	32.18	OK	AD

Landfill

LANDFILL SHEET		
2006 Jul	RAIN FALL	LEACHATE MGD
1	0.00	0.029
2	0.22	0.025
3	0.22	0.044
4	0.04	0.035
5	0.00	0.046
6	0.00	0.036
7	1.67	0.055
8	0.02	0.042
9	0.37	0.033
10	2.02	0.023
11	0.03	0.018
12	0.30	0.028
13	0.51	0.042
14	0.00	0.033
15	0.00	0.035
16	0.00	0.026
17	0.00	0.024
18	0.00	0.024
19	0.32	0.023
20	2.76	0.024
21	0.03	0.035
22	0.00	0.035
23	0.38	0.034
24	0.00	0.026
25	0.00	0.027
26	0.02	0.031
27	0.43	0.005
28	0.06	0.010
29	0.09	0.031
30	0.00	0.043
31	0.00	0.032
TOTAL	9.49	0.954
AVG		0.031
MIN		
MAX	2.76	0.055

Fax # 9-741-3396