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Dept. of Environmental  
Protection

JUL 20 2006

July 15, 2006

Southwest District

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

**Re: Manatee County Lena Road Landfill  
Monthly Report – June 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,

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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**EXHIBIT A**

MANATEE COUNTY SOLID WASTE MANAGEMENT FACILITY  
 LENA ROAD LANDFILL  
 MONTHLY WATER BALANCE REPORT  
 JUNE, 2006

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-Jun-06	0	0	0	0	0	2.90	13,230,418
02-Jun-06	23,970	6,570	30,540	119,700	150,240	0.00	0
03-Jun-06	0	0	0	0	0	0.00	0
04-Jun-06	0	0	0	0	0	0.00	0
05-Jun-06	33,580	9,350	42,930	178,400	221,330	0.00	0
06-Jun-06	10,430	3,020	13,450	54,800	68,250	0.00	0
07-Jun-06	9,620	2,720	12,340	58,600	70,940	0.00	0
08-Jun-06	9,350	3,290	12,640	57,000	69,640	0.00	0
09-Jun-06	10,000	570	10,570	55,000	65,570	0.00	0
10-Jun-06	0	0	0	0	0	0.00	0
11-Jun-06	0	0	0	0	0	0.23	1,049,309
12-Jun-06	30,870	9,990	40,860	164,000	204,860	2.84	12,956,685
13-Jun-06	15,740	0	15,740	55,900	71,640	0.78	3,558,526
14-Jun-06	18,480	0	18,480	90,700	109,180	0.31	1,414,286
15-Jun-06	19,040	40	19,080	101,100	120,180	0.00	0
16-Jun-06	11,760	2,070	13,830	62,000	75,830	0.00	0
17-Jun-06	0	0	0	0	0	0.00	0
18-Jun-06	0	0	0	0	0	0.00	0
19-Jun-06	46,340	18,470	64,810	276,400	341,210	0.00	0
20-Jun-06	9,490	2,320	11,810	63,500	75,310	0.00	0
21-Jun-06	13,590	3,510	17,100	71,700	88,800	0.00	0
22-Jun-06	12,710	2,860	15,570	68,600	84,170	0.00	0
23-Jun-06	11,900	2,830	14,730	60,800	75,530	0.00	0
24-Jun-06	0	0	0	0	0	0.00	0
25-Jun-06	0	0	0	0	0	1.00	4,562,213
26-Jun-06	43,310	10,950	54,260	186,000	240,260	0.09	410,599
27-Jun-06	11,600	2,640	14,240	62,500	76,740	0.00	0
28-Jun-06	11,060	2,900	13,960	74,800	88,760	0.00	0
29-Jun-06	10,250	3,240	13,490	61,200	74,690	0.00	0
30-Jun-06	9,550	2,330	11,880	48,300	60,180	0.00	0
01-Jul-06	0	0	0	0	0	0.00	0
<b>TOTAL</b>	<b>372,640</b>	<b>89,670</b>	<b>462,310</b>	<b>1,971,000</b>	<b>2,433,310</b>	<b>8.15</b>	<b>37,182,036</b>
Leachate Pumped as Percentage of Rainfall			2.0%	13.5%			

**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
<b>TOTAL</b>	<b>132.0</b>	<b>66.0</b>	<b>198.0</b>
<b>Open Area</b>	<b>102.0</b>	<b>66.0</b>	<b>168.0</b>

**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							
AUGUST							
SEPTEMBER							
OCTOBER							
NOVEMBER							
DECEMBER							
<b>TOTAL</b>	<b>2,609,200</b>	<b>11,739,000</b>	<b>14,348,200</b>	<b>14.81</b>	<b>67,566,375</b>	<b>6.4%</b>	<b>44.2%</b>

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
<b>TOTAL</b>	<b>132.0</b>	<b>66.0</b>	<b>198.0</b>
<b>Open Area</b>	<b>102.0</b>	<b>66.0</b>	<b>168.0</b>

Landfill

LANDFILL SHEET		
2006 Jun	RAIN FALL	LEACHATE MGD
1	2.90	0.015
2	0.00	0.022
3	0.00	0.021
4	0.00	0.017
5	0.00	0.013
6	0.00	0.015
7	0.00	0.015
8	0.00	0.013
9	0.00	0.013
10	0.00	0.013
11	0.23	0.015
12	2.84	0.018
13	0.78	0.018
14	0.31	0.262
15	0.00	0.364
16	0.00	0.279
17	0.00	0.367
18	0.00	0.434
19	0.00	0.512
20	0.00	0.373
21	0.00	0.990
22	0.00	0.708
23	0.00	0.748
24	0.00	0.584
25	1.00	0.528
26	0.09	0.361
27	0.00	0.655
28	0.00	0.794
29	0.00	0.937
30	0.00	0.937
	0.00	0.000
<b>TOTAL</b>	<b>8.15</b>	<b>10.041</b>
<b>AVG</b>		<b>0.324</b>
<b>MIN</b>		
<b>MAX</b>	<b>2.90</b>	<b>0.990</b>

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Fax # 9-741-3396

LEACHATE METER READINGS  
June 2006

DATE	LEACHATE			STORMWATER		COMMENTS	NAME
	METER #1	METER #2	METER #3	S. G. #1	S. G. #2		
6/1/06							
6/2/06	2912072	1784847	2190090	33.50	31.60	OK	AD
6/5/06	2915430	1785782	2191874	32.43	30.43	OK	GS
6/6/06	2916473	1786084	2192422	32.42	30.37	OK	AD
6/7/06	2917435	1786356	2193008	32.39	30.32	OK	AD
6/8/06	2918370	1786685	2193528	32.37	30.27	OK	AD
6/9/06	2919370	1786992	2194128	32.36	30.22	OK	AD
6/12/06	2922457	1787241	2195268	33.80	31.27	OK	AD
6/13/06	2924031	1787741	2196327	33.60	31.20	OK	AD
6/14/06	2925879	1787741	2197234	33.47	31.28	OK	AD
6/15/06	2927783	1787745	2198245	33.18	31.70	OK	AD
6/16/06	2928959	1787952	2198865	32.97	31.63	OK	AD
6/19/06	2933593	1789799	2201629	32.00	31.40	OK	AD
6/20/06	2934542	1790031	2202264	31.96	31.39	OK	AD
6/21/06	2935901	1790382	2202961	31.80	31.29	OK	AD
6/22/06	2937172	1790668	2203662	31.80	31.24	OK	AD
6/23/06	2938362	1790951	2204475	31.98	31.17	OK	BW
6/26/06	2946993	1792046	2206135	32.00	31.09	OK	BW
6/27/06	2943853	1792310	2206766	32.00	31.07	OK	AD
6/28/06	2944959	1792600	2207508	32.00	31.06	OK	AD
6/29/06	2945984	1792924	2208120	32.00	31.04	OK	AD
6/30/06	2946939	1793157	2208623	31.95	30.96	OK	AD