

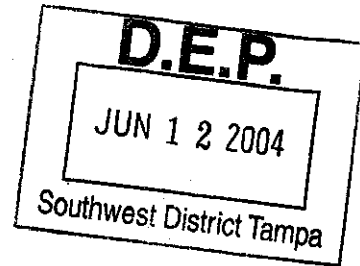


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An employee-owned company

June 7, 2004

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District Office - Solid Waste Section
3804 Coconut Palm Drive
Tampa, Florida 33619



**Re: Manatee County Lena Road Landfill
Monthly Report – May 2004**

Dear Mr. Morris:

Attached is the May 2004 monthly report for the Lena Road Landfill in accordance with Specific Condition Numbers 17, 18, and 33 of Operations Permit Number 39884-001-SO. The report consists of the monthly water balance report (Exhibit A), field readings for the water balance report, leachate tracking summary (Exhibit B), and a monthly groundwater gradient report.

An inward gradient was present in Stage I and Stage III of the landfill. An outward gradient was present in Stage II of the landfill. It should be noted that Stage II contains no solid waste.

May was a period of low rainfall for Manatee County, with a total of 0.55 inches of rain recorded for the entire month. The highest rainfall day came on May 3rd, with a total of 0.40 inches of rainfall recorded. There was a total of 3.30 inches of rainfall reported for the month of March.

If you should have any questions concerning this report, please contact me in our Orlando office at 407/647-7275, Ext. 153, Javen Figueroa at Ext. 288, or Chris Gaw at Ext. 370.

Sincerely,

Joe Miller, P.E.
Senior Project Manager

cc: Kim Ford, P.E., FDEP SW District
Daniel T. Gray, Director, Utility Operations Department
Gus DiFonzo, Solid Waste Manager
Michael Gore / Jeanne Detweiler, Manatee County Landfill Division
File – 120498.91 9100, May 2004

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**Manatee County Lena Road Landfill
Groundwater Gradient
May 2004**

Inside Slurry Wall				Outside Slurry Wall		
Piezometer	Riser Elevation	Groundwater Elevation	Gradient Flow	Monitoring Well	Riser Elevation	Groundwater Elevation
				STAGE I		
PZ-1	42.55	29.08	<i>inward</i>	MW-5	39.88	31.12
PZ-2	42.47	30.12	<i>inward</i>	MW-2	41.13	31.69
PZ-3A	44.90	29.08	<i>inward</i>	MW-1	42.58	32.39
PZ-4A	47.73	29.88	<i>inward</i>	CW-4	37.48	34.18
PZ-5	43.94	30.16	<i>inward</i>	CW-5A	41.18	37.58
PZ-6	44.73	30.88	<i>inward</i>	SG-1		33.25
PZ-7	47.76	29.86	<i>inward</i>	MW-6	39.29	32.91
PZ-19	45.87	28.50	<i>inward</i>	PZ-11	38.94	33.45
				STAGE II		
PZ-8	37.63	33.38	<i>outward</i>	LRII-5	36.75	29.13
PZ-9	39.20	33.49	<i>outward</i>	LRII-4	33.85	25.90
PZ-10	37.05	33.49	<i>outward</i>	LRII-2	36.48	28.48
PZ-11	38.94	33.45	<i>outward</i>	LRII-1	37.97	32.13
				STAGE III		
PZ-12A	38.48	28.29	<i>inward</i>	GC-2	38.15	31.15
PZ-13	35.36	25.06	<i>inward</i>	GC-3	35.02	26.29
PZ-14A	34.58	19.85	<i>inward</i>	GC-4A	34.96	28.60
PZ-15C	40.46	19.99	<i>inward</i>	PZ-15A	39.79	31.29
PZ-16B	40.22	20.80	<i>inward</i>	PZ-16A	39.05	29.27
PZ-17	40.57	28.46	<i>inward</i>	SG-2		30.35
PZ-18	40.16	28.76	<i>inward</i>	SG-3		33.50

Dry 32.80

Dry 28.90
Dry 33.50

Additional In-House Monitoring Data						
<u>Stage I</u>						
PZ-2	42.47	30.12	<i>inward</i>	MW-3	42.32	32.49
<u>Stage II</u>						
PZ-9	39.20	33.49	<i>outward</i>	LRII-3	33.47	25.52
<u>Stage III</u>						
PZ-15C	40.46	19.99	<i>inward</i>	GC-1A	31.75	26.57
PZ-16B	40.22	20.80	<i>inward</i>	GC-5	36.46	28.76
PZ-17	40.57	28.46	<i>inward</i>	GC-6	39.02	30.79

Notes: The table is arranged so any piezometer can be compared to its corresponding monitoring point. For example, PZ-1 is located on the opposite side of the slurry wall from MW-5. Thus data from PZ-1 are compared to data from MW-5.

Report includes riser elevations determined by certified survey conducted by County Staff (Aug. 10, 1999).
Riser elevations for MW-1, MW-3, PZ-9, PZ-11 and PZ-19 were resurveyed on November 13, 2002.
PZ-12A and GC-4A were resurveyed in April 2003.

Stage I Landfill - 132 acres (Closed - 30 ac., Intermediate - 102 ac., Open - 0 ac.)
Stage II Landfill - 110 acres (Closed - 0 ac., Intermediate - 0 ac., Open - 0 ac. No waste in Stage II.)
Stage III Landfill - 65 acres (Closed - 0 ac., Intermediate - 38 ac., Open - 27 ac.)

Data Collection: May 6, 2004