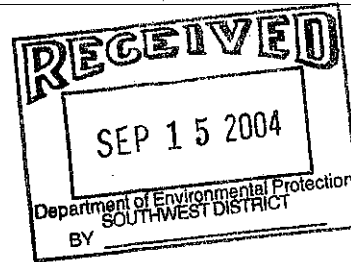




An employee-owned company

September 13, 2004

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



39884
LR
GWMR
A70

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

Dear Mr. Morris:

Attached is the August 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.

August was a period of high rainfall for Manatee County, with a total of 10.25-inches of rain recorded for the entire month. The highest rainfall day came on August 3rd, with a total of 1.57-inches of rainfall recorded. There was a total of 9.14-inches of rainfall reported for the month of July.

If you should have any questions concerning this report, please contact me in our Orlando office at 407/647-7275, Ext. 4153 or Chris Gaw at Ext. 4370.

Sincerely,

Joe Miller, P.E.
Senior Project Manager

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

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**Manatee County Lena Road Landfill
Groundwater Gradient
August 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	29.36	<i>inward</i>	MW-5	39.88	32.82
PZ-2	42.47	29.95	<i>inward</i>	MW-2	41.13	33.71
PZ-3A	44.90	29.17	<i>inward</i>	MW-1	42.58	34.68
PZ-4A	47.73	29.84	<i>inward</i>	CW-4	37.48	35.14
PZ-5	43.94	30.26	<i>inward</i>	CW-5A	41.18	38.11
PZ-6	44.73	31.65	<i>inward</i>	SG-1		34.08
PZ-7	47.76	30.25	<i>inward</i>	MW-6	39.29	35.98
PZ-19	45.87	28.69	<i>inward</i>	PZ-11	38.94	34.54

Dry 32.80

STAGE II						
PZ-8	37.63	34.63	<i>outward</i>	LRII-5	36.75	32.56
PZ-9	39.20	34.37	<i>outward</i>	LRII-4	33.85	28.70
PZ-10	37.05	34.34	<i>outward</i>	LRII-2	36.48	32.10
PZ-11	38.94	34.54	<i>outward</i>	LRII-1	37.97	34.35

2.07
5.67
2.24
.19

STAGE III						
PZ-12A	38.48	30.14	<i>inward</i>	GC-2	38.15	34.00
PZ-13	35.36	28.34	<i>inward</i>	GC-3	35.02	30.52
PZ-14A	34.58	25.95	<i>inward</i>	GC-4A	34.96	31.96
PZ-15C	40.46	24.75	<i>inward</i>	PZ-15A	39.79	33.01
PZ-16B	40.22	26.97	<i>inward</i>	PZ-16A	39.05	29.86
PZ-17	40.57	29.15	<i>inward</i>	SG-2		30.60
PZ-18	40.16	29.66	<i>inward</i>	SG-3		34.00

Dry 28.90
Dry 33.50

Additional In-House Monitoring Data						
<u>Stage I</u>						
PZ-2	42.47	29.95	<i>inward</i>	MW-3	42.32	35.32
<u>Stage II</u>						
PZ-9	39.20	34.37	<i>outward</i>	LRII-3	33.47	28.52
<u>Stage III</u>						
PZ-15C	40.46	24.75	<i>inward</i>	GC-1A	31.75	28.31
PZ-16B	40.22	26.97	<i>inward</i>	GC-5	36.46	31.21
PZ-17	40.57	29.15	<i>inward</i>	GC-6	39.02	32.55

5.85

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.

Data Collection: August 6, 2004