



An employee-owned company

**D.E.P.**  
**FEB 19 2002**  
**Southwest District Tampa**

February 15, 2002

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 - January 2002**

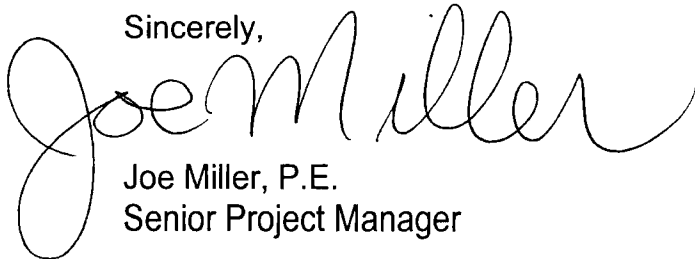
Dear Mr. Morris:

Attached is the January 2002 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, leachate tracking summary, monthly gradient report and field readings for the water balance report.

An inward gradient was present in Stage I and Stage III at all of the gradient pairs. An outward gradient was present in Stage II at all the gradient pairs, however, Stage II has no solid waste.

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

Sincerely,



Joe Miller, P.E.  
Senior Project Manager

cc: Robert Butera, P.E., FDEP SW District  
Kim Ford, P.E., FDEP SW District  
Steve Morgan, FDEP SW District  
Daniel T. Gray, Director, Utility Operations Department  
Gus DiFonzo, Solid Waste Manager  
C. Michael Gore, Landfill Superintendent  
Gwen Pagington, Solid Waste Program Specialist  
File – 120498.05 0101 Manatee, Lena Road Landfill, January Monitoring

Manatee County Lena Road Landfill  
Groundwater Gradient  
JANUARY 2002

2002

JEM  
2/16/02

Inside Slurry Wall				Outside Slurry Wall		
Piezometer	Riser Elevation	Groundwater Elevation	Gradient Flow	Monitoring Well	Riser Elevation	Groundwater Elevation
<b>STAGE I</b>						
PZ-1	42.55	29.00	<i>inward</i>	MW-5	39.88	30.26
PZ-2	42.47	29.87	<i>inward</i>	MW-2	41.13	30.96
PZ-3	44.90	28.71	<i>inward</i>	MW-1	42.63	33.92
PZ-4A	47.73	29.85	<i>inward</i>	CW-4	37.48	33.03
PZ-5	43.94	30.24	<i>inward</i>	CW-5A	41.18	33.96
PZ-6	44.73	31.11	<i>inward</i>	SG-1		33.94
PZ-7	47.76	29.85	<i>inward</i>	MW-6	39.29	33.11
PZ-19	45.83	33.68	<i>inward</i>	PZ-11	37.92	34.27
<b>STAGE II</b>						
PZ-8	37.63	34.20	<i>outward</i>	LR11-5	36.75	29.10
PZ-9	36.53	34.14	<i>outward</i>	LR11-4	33.85	26.72
PZ-10	37.05	34.30	<i>outward</i>	LR11-2	36.48	29.01
PZ-11	37.92	34.27	<i>outward</i>	LR11-1	37.97	31.39
<b>STAGE III</b>						
PZ-12	38.35	28.39	<i>inward</i>	GC-2	38.15	30.65
PZ-13	35.36	25.58	<i>inward</i>	GC-3	35.02	27.74
PZ-14A	34.58	19.21	<i>inward</i>	GC-4	33.90	25.91
PZ-15C	40.46	19.73	<i>inward</i>	PZ-15A	39.79	26.38
PZ-16B	40.22	20.92	<i>inward</i>	PZ-16A	39.05	26.49
PZ-17	40.57	28.49	<i>inward</i>	SG-2		30.34
PZ-18	40.16	28.94	<i>inward</i>	SG-3		33.76

Dry 32.80

NO BURIED WASTE IN STAGE II

Dry 28.90

Dry 33.76

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.

SG-3 DRY; CANNOT DEMONSTRATE INWARD w/ AVAILABLE DATA

Additional In-House Monitoring Data						
<u>Stage I</u>						
PZ-2	42.47	29.87	<i>inward</i>	MW-3	39.94	33.78
<u>Stage II</u>						
PZ-9	36.53	34.14	<i>outward</i>	LR11-3	33.47	26.09
<u>Stage III</u>						
PZ-15C	40.46	19.73	<i>inward</i>	GC-1A	31.75	26.33
PZ-16B	40.22	20.92	<i>inward</i>	GC-5	36.46	28.76
PZ-17	40.57	28.49	<i>inward</i>	GC-6	39.02	29.90

This report includes riser elevations determined by certified survey conducted by County Staff and dated Aug. 10, 1999.

Westra Construction certified riser elevations of PZ-14A, PZ-15C, and PZ-16B on February 15, 2001

Stage I Landfill - 131 acres (Closed - 30 ac., Intermediate - 91 ac., Open - 10 ac.)

Stage II Landfill - 110 acres (Closed - 0 ac., Intermediate - 0 ac., Open - 0 ac. No waste in Stage II.)

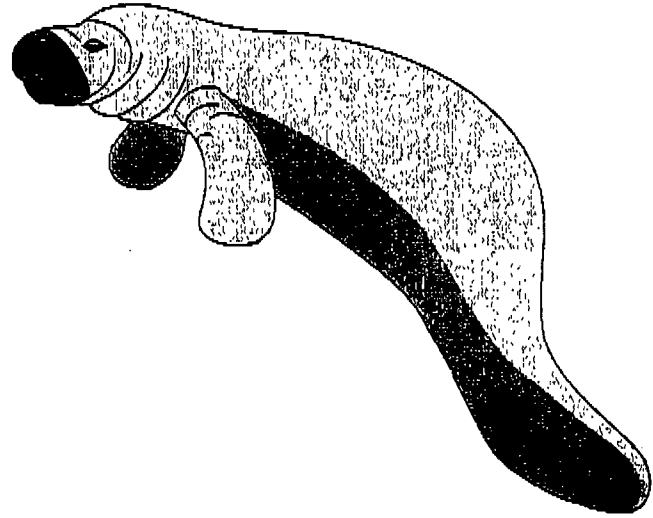
Stage III Landfill - 75 acres (Closed - 0 ac., Intermediate - 75 ac., Open - 0 ac.)

Data Collection: JANUARY 09, 2001

MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT  
SOLID WASTE/LANDFILL SECTION

FACSIMILE COVER MEMO

FAX # (941)795-3490



PLEASE DELIVER THE FOLLOWING PAGE(S)

TO: Joe Miller, P.E.  
ADDRESS: 407/647-8945  
FROM: Gwen Pagington  
DATE: 2-04-02  
SUBJECT: Monthly Monitoring Report - <sup>JANUARY</sup> February 2002  
Field Readings

COMMENTS:

The following pages contain the field readings taken throughout the month of January, 2002 for the above noted report.

As our monthly reporting format has changed, I wondered if you still need the "stormwater pond level". Also will we continue to keep the leachate pond level column and leave the level at 27.0? In view of various changes, we should change the "Notes" section on the bottom of the Monthly Water Balance Report to reflect the current status.

Gary Seeley, Landfill Supervisor, is now doing the meter readings. If you have any questions, please contact either Gary at 941/748-5543 or myself. Thank you!

cc: Gus DiFonzo  
Mike Gore  
Gary Seeley

NUMBER of PAGES: 3

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL AS SOON AS POSSIBLE.

P.O. Box 25010  
Bradenton, Florida 34206  
941/795-3428

Note - Westra Const installed new back flow #1 and #2 on 01-31-02

venters in lift stations

RECEIVE

FFR 1 - 2002

2002 JANUARY LEACHATE METER READINGS			
#1 HUNDREDS	Happy New Year	#2 HUNDREDS	#3 THOUSANDS
1-01-02			
1-02-02	#1-00613700	#2-00114000	#3-002723000 H.S.
1-03-02	#1-006343	#2-001191	#3-002809 H.S.
1-04-02	#1-006357	#2-001203	#3-002875 H.S.
1-05-02	#1-	#2-	#3-
1-06-02	Sunday	N/A	N/A
1-07-02	#1-006801	#2-001285	#3-003087 H.S.
1-08-02	#1-006991	#2-001305	#3-003159 H.S.
1-09-02	#1-007173	#2-001323	#3-003219 H.S.
1-10-02	#1-007362	#2-001356	#3-003291 H.S.
1-11-02	#1-007571	#2-001386	#3-003354 H.S.
1-12-02	#1-	#2-	#3-
1-13-02	Sunday	N/A	N/A
1-14-02	#1-008384	#2-001499	#3-003543 H.S.
1-15-02	#1-008683	#2-001535	#3-003631 H.S.
1-16-02	#1-008967	#2-001562	#3-003718 H.S.
1-17-02	#1-009207	#2-001586	#3-003789 H.S.
1-18-02	#1-009493	#2-001617	#3-003872 H.S.
1-19-02	#1-	#2-	#3-
1-20-02	Sunday	N/A	N/A
1-21-02	#1-010291	#2-001723	#3-004093 H.S.
1-22-02	#1-010530	#2-001750	#3-004162 H.S.
1-23-02	#1-010750	#2-001775	#3-004223 H.S.
1-24-02	#1-011064	#2-001814	#3-004301 H.S.
1-25-02	#1-011272	#2-001854	#3-004360 H.S.
1-26-02	#1-011520	#2-001894	#3-004432 H.S.
1-27-02	Sunday	N/A	N/A
1-28-02	#1-011860	#2-001958	#3-004555 H.S.
1-29-02	#1-012022	#2-001995	#3-004617 H.S.
1-30-02	#1-012221	#2-002035	#3-004682 H.S.
1-31-02	#1-012407	#2-002033	#3-004744 H.S.

\* BACK Fed Awilleduc TO WESTRA TRICORILLATION.

Landfill

LANDFILL SHEET				
2002 Jan	RAIN FALL	LEACHATE MGD	LEACHATE LEVEL	STORMWATER LEVEL
1	0.00	Under Construction No Meter		
2	0.56			
3	0.13			
4	0.00			
5	0.00			
6	0.22			
7	0.00			
8	0.00			
9	0.00			
10	0.00			
11	0.00			
12	0.00			
13	0.16			
14	0.80			
15	0.39			
16	0.01			
17	0.00			
18	0.00			
19	0.00			
20	0.00			
21	0.00			
22	0.00			
23	0.00			
24	0.00			
25	0.00			
26	0.00			
27	0.00			
28	0.00			
29	0.00			
30	0.00			
31	0.00			
TOTAL	2.27	0.000		
AVG		#DIV/0!	#DIV/0!	#DIV/0!
MIN			0.0	0.0
MAX	0.80	0.000	0.0	0.0

Fax # 9-795-3490