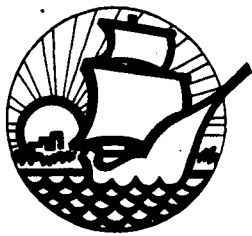


LENA KD LF



# MANATEE COUNTY GOVERNMENT

## Public Works Department

**RECEIVED**  
JAN 27 1995

EA-SOLID WASTE  
EA-SOLID WASTE

January 15, 1995

Allison Amram, Environmental Specialist  
Division of Waste Management  
Department of Environmental Protection, South West District  
3804 Coconut Palm Drive  
Tampa, FL 33619

404102025  
44795

Re: Manatee County Solid Waste Management Facility  
Permit No. S041-21179, Biannual Groundwater Monitoring Report

Dear Ms. Amram:

Enclosed you will find portions of our biannual groundwater monitoring report. Pursuant to our phone conversation on January 11, 1995, the missing areas of the report consisting of the chemical analyses for the groundwater wells, the leachate analysis, and the groundwater well gradient comparisons will be forwarded to you as soon as possible.

If you have any questions, please contact me at (813) 792-8811, Extension 5293, Thank you for your cooperation in this matter.

Sincerely,

Gregory F. Yekaitis  
Solid Waste Technical Coordinator

gfy

- cc: Chongman Lee, FDEP, Tallahassee
- Lenox E. (Len) Bramble, Director
- John Harllee, Esquire
- Roger Hill, Shroeder-Manatee Ranch
- Leonard Eder, Eder and Associates
- Lisa Perros, USEPA, Region IV, Waste Management District
- ~~Daniel~~ T. Gray, Utilities Operations Manager
- Gus DiFonzo, Solid Waste Manager

ADMINISTRATION • 4410 - 66th Street West, Bradenton, Florida 34210 • (813) 792-8811 • FAX (813) 795-3490

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

QUARTERLY REPORT ON GROUND WATER MONITORING  
Rule 17-4.245(6)(k)2.

GMS # \_\_\_\_\_

DATE January 20, 1995

DER PERMIT # SO41-211176

Lena Road Landfill - Manatee County Public Services  
Installation Name

Caller Service 25010 Bradenton Fl. 34206 Manatee  
Address City State Zip County

Lenox E. (Len) Bramble Director  
Owner or Authorized Representative's Name Title

Method of Discharge N/A

Type of Industry Municipal Government

Report for Period July 1, 1994 to December 31, 1994  
date date

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

[Signature]  
Owner or Authorized Representative's Signature

Jan 24/95  
Date

JAN 17 1995

SOLID WASTE

MONITORING WELL, PIEZOMETER WATER TABLE ELEVATIONS (N.G.V.D.); FT.  
DATE MEASURED 28-OCT-94

WELL #	N.G.V.D.	PIEZOMETER	N.G.V.D.
MW 2	36.02	PZ 2	30.03
MW 1	34.26	PZ 3	32.39
CW 4	34.83	PZ 4	30.04
CW 5		PZ 5	31.21
		PZ 6	31.33
MW 6	34.34	PZ 7	30.27
LR2-5	31.45	PZ 8	31.63
LR2-3	27.59	PZ 9	31.64
LR2-2	31.53	PZ 10	31.97
LR2-1	33.52	PZ 11	31.57
GC 2	33.01	PZ 12	31.47
GC 3	32.19	PZ 13	27.67
GC 4	28.36	PZ 14	27.51
GC 1	26.69	PZ 15	27.53
GC 5	29.32	PZ 16	28.55
GC 6	31.85	PZ 17	29.03

MONITORING WELL, PIEZOMETER WATER TABLE ELEVATIONS (N.G.V.D.); FT.  
DATE MEASURED 27-DEC-94

WELL #	N.G.V.D.	PIEZOMETER	N.G.V.D.
MW 2	34.61	PZ 2	30.20
MW 1	32.51	PZ 3	31.01
CW 4	INACCESSIBLE	PZ 4	31.04
CW 5	INACCESSIBLE	PZ 5	30.98
		PZ 6	31.39
MW 6	33.32	PZ 7	30.02
LR2-5	30.60	PZ 8	31.75
LR2-3	27.51	PZ 9	31.56
LR2-2	31.28	PZ 10	31.75
LR2-1	33.31	PZ 11	31.96
GC 2	33.11	PZ 12	31.95
GC 3	33.38	PZ 13	27.24
GC 4	28.16	PZ 14	26.37
GC 1	26.52	PZ 15	27.20
GC 5	28.48	PZ 16	27.63
GC 6	31.27	PZ 17	28.86

MONTHLY WATER BALANCE REPORT FOR THE MONTH OF October 1994

*file  
10-4-94*

DAY	INPUT TO LEACHATE POND G.P.D.			LEACHATE TO WWTP IN G.P.D.	RAINFALL IN INCHES	WEST WEIR DISCHARGE pH	REMARKS
	STAGE I	STAGE II	STAGE III				
1							
2							
3							
4	135,000		909,000	1,690,000	0.0	6.8	
5	238,000		84,000	109,000	0.0	6.7	
6	108,000		90,000	199,000	0.0	6.7	
7	108,000		72,000	207,000	0.0	6.8	
8							
9							
10							
11	726,000		555,000	801,000	0.0	6.7	
12	90,000		60,000	205,000	0.0	6.7	
13	126,000		60,000	188,000	1.0	6.8	
14	162,000		60,000	208,000	0.0	6.5	
15							
16							
17	390,000		162,000	574,000	0.0	6.4	
18	126,000		97,000	204,000	0.0	6.5	
19	138,000		60,000	218,000	0.0	6.5	
20	144,000		48,000	195,000	0.0	6.3	
21	162,000		48,000	200,000	0.0	6.3	
22							
23							
24	486,000		120,000	596,000	0.0	6.3	
25	168,000		42,000	205,000	0.0	6.3	
26							
27							
28							
29							
30							
31	966,000		294,000	792,000	0.0	6.7	
TOTALS	4,273,000		2,761,000	6,591,000	1.0		TOTAL AC. OPEN 2 INTER. 198 CLOSED 0

3475

cc: SUS  
HELEN

MONTHLY WATER BALANCE REPORT FOR THE MONTH OF NOVEMBER, 1994

DAY	INPUT TO LEACHATE POND G.P.D.			LEACHATE TO WWTP IN G.P.D.	RAINFALL IN INCHES	WEST WEIR DISCHARGE pH	REMARKS
	STAGE I	STAGE II	STAGE III				
11-1-94 1	10,000		81,000	209,000	0.1	6.9	
2	38,000		63,000	204,000	0	6.9	
3	24,000		60,000	188,000	0	6.8	
4	24,000		83,000	199,000	0		
5							
6							
7	230,000		219,000	591,000	0	6.5	
8	40,000		70,000	194,000	0	6.6	
9	42,000		77,000	199,000	0	6.4	
10	39,000		61,000	181,000	0.7	6.7	
11	38,000		64,000	187,000	0	6.6	
12							
13							
14	119,000		230,000	592,000	0	6.4	
15	42,000		78,000	203,000	0	6.4	
16							
17	113,000		165,000	644,000	1	6.8	
18	47,000		84,000	320,000	0	6.6	
19							
20							
21							
22	185,000		309,000	1,256,000	0	6.5	
23							
24							
25	133,000		180,000	918,000	0	6.5	
26							
27							
28	140,000		204,000	977,000	0	6.6	
29	45,000		67,000	315,000	0	6.7	
30	48,000		70,000	338,000	0	6.7	
31							
Sub - Total							
TOTALS	1,357,000		2,165,000	7,715,000	1.8		
TOTAL ACREAGE: OPEN 2 INTERMEDIATE 188 CLOSED 0							

MONTHLY WATER BALANCE REPORT FOR THE MONTH OF DECEMBER 1994

DAY OF MONTH	STAGE I	LEACHATE INPUT TO POND G.P.D.		LEACHATE IRRIGATION (STAGE I) G.P.D.	LEACHATE TO S.E.W.T.P. G.P.D.	RAINFALL INCHES	STAGE I WEIR DISCHARGE FLOW(MGD)			AVERAGE DAILY WEIR (pH)			
		STAGE II	STAGE III				NORTH	SOUTH	WEST	NORTH	SOUTH	WEST	
1													
2													
3													
4													
5	12-5-94	230,000		175,000	973,000	0						6.9	
6		57,000		51,000	326,000	0						6.9	
7		102,000		53,000	324,000	0						6.9	
8													
9		107,000		98,000	614,000	0						6.9	
10													
11													
12													
13													
14		270,000		202,000	1,539,000	0						6.8	
15		65,000		-----	377,000	0						6.5	
16		55,000		55,000	306,000	0						6.8	
17													
18													
19													
20		222,000		280,000	1,235,000	0						6.5	
21		55,000		50,000	307,000	1.7						6.8	
22		48,000		65,000	314,000	0.4						6.7	
23		38,000		56,000	257,000	0.4						6.7	
24													
25													
26		155,000		225,000	936,000	0						6.6	
27		52,000		-----	332,000	0						6.8	
28		37,000		128,000	244,000	0						6.7	
29													
30													
31													
<b>TOTALS</b>		<u>1,493,000</u>		<u>1,438,000</u>	<u>8,084,000</u>	<u>2.5</u>							

TOTAL LEACHATE INPUT 2,931,000

TOTAL ACREAGE: OPEN 2 INTERMEDIATE 188 CLOSED 0