

GW File

**MANATEE COUNTY
GOVERNMENT**
Public Works Department

RECEIVED
MAR 17 1995

Department of Environmental Protection
SOUTHWEST DISTRICT

BY _____

March 17, 1995

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

(Lena Road)

Re: Manatee County Solid Waste Management Facility
Permit No. S041-21176

Dear Ms. Amram:

Enclosed please find the leachate analysis and the groundwater analyses for the monitoring wells at the above referenced facility for the second semi-annual period of 1994.

If you have any questions, please contact me at (813) 748-5543, Extension 5543.

Sincerely,

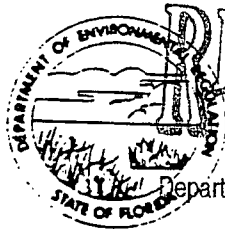
Gregory F. Yekaitis
Solid Waste Technical Coordinator

gfy

cc: Lenox E. "Len" Bramble, Director
Daniel T. Gray, Utilities Operations Manager
Robert Hall, Utilities Engineer
Gus DiFonzo, Solid Waste Manager

STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL REGULATION

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



RECEIVED
 MAR 16 1995

BOB GRAHAM
 GOVERNOR
 VICTORIA J. TSCHINKEL
 SECRETARY

Department of Environmental Protection
 SOUTHWEST DISTRICT
 QUARTERLY REPORT ON GROUND WATER MONITORING
 Rule 17-4.245(6)(k)2.

GMS # _____ DATE March 17, 1995

DER PERMIT # S041-211176

Lena Road Landfill - Manatee County Public Services
 Installation Name

<u>Caller Service 25010</u>	<u>Bradenton</u>	<u>Fl.</u>	<u>34206</u>	<u>Manatee</u>
Address	City	State	Zip	County
<u>Lenox E. (Len) Bramble</u>	<u>Director</u>			
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

March 13/95
 Date

RECEIVED
MAR 8 - 1995
SOLID WASTE

LENA ROAD LANDFILL
4th Quarter Report

March 6, 1995

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

FIELD PARAPETERS

LOCATION	DATE	ID No.	FIELD PARAPETERS					
			pH S.U.	CONDANCE umho/cm	D.O mg/L	TEMPREATURE deg C	TOTAL DEPTH ft	SAMPLE DEPTH ft
LR11-5	12-20-94	20685	5.9	275	1.8	23.4	22.78	6.18
MW6	12-20-94	20685	5.5	128	1.5	24.5	20.72	6.00
MW1	12-20-94	20685	5.0	140	1.9	24.7	14.53	6.42
MW3	12-20-94	20685	5.4	405	1.5	23.0	13.37	7.12
MW2	12-20-94	20685	4.9	198	NA	24.5	13.97	5.16
MW5	12-20-94	20685	6.3	295	1.1	24.5	21.42	8.48
GC6	12-20-94	20685	5.3	330	1.2	25.5	22.40	7.83
GC5	12-20-94	20685	6.3	380	1.7	25.6	22.02	8.04
SMR2	01-03-95	20686	7.5	575	1.2	23.9	150.00	14.60
SMR1	01-03-95	20686	5.4	165	1.2	23.0	22.88	5.50
SA8	01-03-95	20686	NA	NA	NA	NA	NA	13.40
LR11-4	01-03-95	20686	6.3	340	0.7	24.6	22.50	6.16
LR11-3	01-03-95	20686	4.6	285	0.9	24.1	22.61	5.25
LR11-2	01-03-95	20686	5.9	120	2.6	24.1	22.83	
SA6	01-10-95	20687	7.3	625	1.8	23.5	153.04	13.20
SA7	01-10-95	20687	7.6	370	1.1	24.7	152.37	13.50
SA8+	01-10-95	20687	11.7	1625	1.3	25.3	153.38	12.50
GC4	01-10-95	20687	6.4	365	1.3	23.5	22.18	5.75
SA4	01-10-95	20687	7.3	455	1.3	23.8	143.78	10.09
GC1A	01-10-95	20687	6.5	405	1.1	19.5	NA	4.96
SA5	01-11-95	20688	7.4	550	0.6	23.7	153.00	15.90
LR11-1	01-11-95	20688	6.2	300	1.6	23.2	21.12	4.33
SA2	01-11-95	20688	7.0	400	0.9	24.5	154.00	15.10
GC2	01-11-95	20688	6.0	390	1.8	24.5	18.03	4.99
SA3	01-11-95	20688	7.3	470	1.5	24.4	163.00	15.60
GC3	01-11-95	20688	6.1	375	1.0	23.4	22.58	4.20

+Pump Malfunction

*NA Assay not available

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

LABORATORY PARAMETERS

LOCATION	DATE	ID No.	Nitrate mg/l	TKN mg/L	Chloride mg/l	TDS mg/L	pH	Conductance
LR11-5	12-20-94	20685	<0.01	0.9	17.7	209	6.1	320
MW6	12-20-94	20685	<0.01	0.5	7.5	138	5.6	353
MW1	12-20-94	20685	<0.01	1.0	5.5	129	5.2	143
MW3	12-20-94	20685	NA	NA	NA	NA	NA	NA
MW2	12-20-94	20685	<0.01	0.6	21.2	161	5.0	215
MW5	12-20-94	20685	<0.01	4.4	19.7	213	6.3	746
GC6	12-20-94	20685	<0.01	2.0	18.3	274	5.3	408
GC5	12-20-94	20685	<0.01	0.5	17.5	275	6.4	460
SMR2	01-03-95	20686	<0.01	0.8	93.3	431	NA	NA
SMR1	01-03-95	20686	<0.01	1.0	17.3	176	NA	NA
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
LR11-4	01-03-95	20686	<0.01	1.6	23.7	237	NA	NA
LR11-3	01-03-95	20686	<0.01	1.1	23.6	236	NA	NA
LR11-2	01-03-95	20686	<0.01	1.0	79.0	79.0	NA	NA
SA6	01-10-95	20687	<0.01	1.1	49.1	558	NA	NA
SA7	01-10-95	20687	<0.01	0.9	53.8	290	NA	NA
SA8	01-10-95	20687	<0.01	1.2	44.9	429	NA	NA
GC4	01-10-95	20687	<0.01	0.9	24.5	215	NA	NA
SA4	01-10-95	20687	<0.01	1.2	59.7	409	NA	NA
GC1A	01-10-95	20687	<0.01	5.3	22.7	332	NA	NA
SA5	01-11-95	20688	<0.01	1.1	68.0	371	NA	NA
LR11-1	01-11-95	20688	<0.01	1.3	23.2	219	NA	NA
SA2	01-11-95	20688	<0.01	1.1	41.3	278	NA	NA
GC2	01-11-95	20688	<0.01	1.0	29.9	296	NA	NA
SA3	01-11-95	20688	<0.01	0.8	26.9	384	NA	NA
GC3	01-11-95	20688	<0.01	0.8	24.0	284	NA	NA

+Pump Malfunction

*NA Assay not available

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

FIELD PARAPETERS

LOCATION	DATE	ID No.	Turbidity NTU	NGVD
LRII-5	12-20-94	20685	2.1	30.60
MW6	12-20-94	20685	28.6	33.32
MW1	12-20-94	20685	4.7	32.51
MW3	12-20-94	20685	3.8	32.95
MW2	12-20-94	20685	1.7	34.61
MW5	12-20-94	20685	25.5	NA
GC6	12-20-94	20685	11.9	31.27
GC5	12-20-94	20685	3.4	28.45
SMR2	01-03-95	20686	0.6	21.50
SMR1	01-03-95	20686	4.1	30.98
SA8+	01-03-95	20686	NA	NA
LRII-4	01-03-95	20686	3.3	27.74
LRII-3	01-03-95	20686	0.3	27.28
LRII-2	01-03-95	20686	32.0	31.28
SA6	01-10-95	20687	0.2	22.84
SA7	01-10-95	20687	1.1	19.71
SA8	01-10-95	20687	2.8	21.98
GC4	01-10-95	20687	0.7	28.23
SA4	01-10-95	20687	0.6	20.38
GC1A	01-10-95	20687	4.5	NA
SA5	01-11-95	20688	0.3	22.02
LRII-1	01-11-95	20688	3.1	33.69
SA2	01-11-95	20688	7.2	222.87
GC2	01-11-95	20688	1.4	33.24
SA3	01-11-95	20688	2.4	19.52
GC3	01-11-95	20688	2.9	30.88

+Pump Malfunction

*NA Assay not available

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

LOCATION	DATE	ID No.	LABORATORY METALS ANALYSES					
			Chromium (mg/l)	Cadmium (mg/L)	Copper as N (mg/l)	Arsenic (mg/L)	Lead (mg/l)	Zinc (mg/l)
LR11-5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	0.035
MW6	12-20-94	20685	BDL	BDL	BDL	0.013	BDL	0.022
MW1	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	0.018
MW3	12-20-94	20685	BDL	BDL	BDL	0.002	BDL	0.026
MW2	12-20-94	20685	BDL	BDL	BDL	BDL	0.001	0.014
MW5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	0.026
GC6	12-20-94	20685	BDL	BDL	BDL	0.002	BDL	0.028
GC5	12-20-94	20685	BDL	BDL	BDL	BDL	0.002	0.018
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	0.029
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
LR11-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	0.005	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	0.009	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	0.022	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
LR11-1	01-11-95	20688	BDL	BDL	BDL	0.005	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	0.048	BDL	0.060
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
DETECTION LIMITS (mg/L)			0.040	0.005	0.020	0.001	0.0001	0.001

+Pump Malfunction

*NA Assay Not Available

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

LABORATORY METALS ANALYSES

LOCATION	DATE	ID No.	Antimony (mg/l)	Thallium (mg/L)	Selenium (mg/l)	Nickle (mg/L)	Cobalt (mg/l)	Barium (mg/l)	Beryllium (mg/l)
LR11-5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW3	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL	BDL
GC5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA	NA
LR11-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL	BDL
LR11-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL	BDL
LR11-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL	BDL
LR11-1	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL	BDL

+Pump Malfunction

DETECTION LIMITS (mg/L) 0.005 0.001 0.002 0.020 0.0500 0.100 0.003

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

ANALYTICAL RESULTS FROM CONTRACT LABORATORY*

LOCATION	DATE	ID No.	VOLATILE ORGANICS					
			#50 Styrene ug/L	#59 1,2,3-Tri- chloropropane ug/L	#32 T-1-4 Dichloro-2- Butene ug/L	#28 1,2-Dibromo-3- chloropropane ug/L	#48 Iodomethane <i>Methyl Iodide</i> ug/L	#16 Acetone ug/L
✓LR11-5	12-10-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-10-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-10-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW3	12-10-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-10-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-10-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-10-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC5	12-10-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
LR11-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-93	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-93	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-93	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-93	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-93	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-93	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
LR11-1	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL

NOTE: Analysis for well ID No 20687 and 20688 were assayed past the holding time of 30 days.

*Analysis performed at P.E. LaMoreaux & Associates (HRS. E84089)

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11, 1995

COLLECTED BY: D. Elliott

ANALYTICAL RESULTS FROM CONTRACT LABORATORY*

LOCATION	DATE	ID No.	VOLATILE ORGANICS					
			#22 Carbon Disulfide ug/L	#60 Vinyl Acetate ug/L	#47 2-Butanone ug/L	#19 Bromochloro- methane ug/L	#34 Cis 1,2-Dichloro- ethane ug/L	45 Dibromo- methane ug/L
LR11-5	12-20-94	20865	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-20-94	20865	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-20-94	20865	BDL	BDL	BDL	BDL	BDL	BDL
MW3	12-20-94	20865	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-20-94	20865	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-20-94	20865	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-20-94	20865	BDL	BDL	BDL	BDL	BDL	BDL
GC5	12-20-94	20865	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
LR11-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
LR11-1	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL

*Analysis performed at P.E. LaMoreaux & Associates (HRS. E84089)

+Pump Malfunction

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, Jan 3,10,11 1995

COLLECTED BY: D. Elliott

ANALYTICAL RESULTS FROM CONTRACT LABORATORY*

VOLATILE ORGANICS

LOCATION	DATE	ID No.	#49	42	29	51	44	61
			4-Methyl 2-Pentanone ug/L	2-Hexanone ug/L	1,2-Dibrom- methane ug/L	1,1,1,2-tetra- chloroethane ug/L	Chloromethane ug/L	Vinyl Chloride ug/L
LR11-5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW3	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GCS	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
LR11-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
LR11-1	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL

+Pump Malfunction

*Analysis performed at P.E. LaMoreaux & Associates (HRS. E84089)

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

ANALYTICAL RESULTS FROM CONTRACT LABORATORY*

VOLATILE ORGANICS

LOCATION	DATE	ID No.	VOLATILE ORGANICS					
			43 Bromomethane ug/L	25 Chloroethane ug/L	58 Trichloro- fluoromethane ug/L	35 1,1-Dichloro- ethene ug/L	46 Dichloro- methane ug/L	37 Trans-1,2-Di- chloroethene ug/L
LR11-5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW3	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
LR11-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11/93	20688	BDL	BDL	BDL	BDL	BDL	BDL
LR11-1	01-11/93	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11/93	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11/93	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11/93	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11/93	20688	BDL	BDL	BDL	BDL	BDL	BDL

+Pump Malfunction

*Analysis performed at P.E. LaMoreaux & Associates (HRS. E84089)

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20,1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

ANALYTICAL RESULTS FROM CONTRACT LABORATORY*

VOLATILE ORGANICS

LOCATION	DATE	ID No.	VOLATILE ORGANICS					
			17 Acrylo- nitrile ug/L	33 1, 1 Dichloro- ethane ug/L	26 Tricloro- methane ug/L	55 1, 1, 1-Trichloro- ethane ug/L	30 1,2-Dichloro- ethane ug/L	18 Benzene ug/L
LR11-5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW3	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GCS	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LR11-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
LR11-1	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL

+Pump Malfunction

*Analysis performed at P.E. LaMoreaux & Associates (HRS. E84089)

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

ANALYTICAL RESULTS FROM CONTRACT LABORATORY*

LOCATION	DATE	ID No.	VOLATILE ORGANICS					
			23 Carbon Tetrachloride ug/L	38 1-2-Dichloro- propane ug/L	57 Trichloro- ethene ug/L	20 Bromodichloro- methane ug/L	39 Cis-1,3-Dichloro- propene ug/L	54 Toluene ug/L
LRII-5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	20.4
MW3	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
LRII-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LRII-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LRII-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
LRII-1	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL

+Pump Malfunction

*Analysis performed at P.E. LaMoreaux & Associates (HRS. E84089)

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

ANALYTICAL RESULTS FROM CONTRACT LABORATORY*

VOLATILE ORGANICS

LOCATION	DATE	ID No.	VOLATILE ORGANICS					
			40 Trans-2, 3-Di- chloropropane ug/L	56 1,1,2-trichloro- ethane ug/L	27 Dibromochloro- methane ug/L	53 Tetrachloro- ethene ug/L	24 Chloro- benzene ug/L	41 Ethyl- benzene ug/L
LRII-5	12-20-95	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-20-95	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-20-95	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW3	12-20-95	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-20-95	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-20-95	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-20-95	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC5	12-20-95	20685	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
LRII-4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LRII-3	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
LRII-2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
LRII-1	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL

+Pump Malfunction

*Analysis performed at P.E. LaMoreaux & Associates (HRS. E94089)

MANATEE COUNTY PUBLIC WORKS

CENTRAL LABORATORY (HRS No. E54139)

PROJECT: LENA ROAD LANDFILL

COLLECTED: December 20, 1994, January 3,10,11 1995

COLLECTED BY: D. Elliott

ANALYTICAL RESULTS FROM CONTRACT LABORATORY*

VOLATILE ORGANICS

LOCATION	DATE	ID No.	VOLATILE ORGANICS					
			62 m,p- xylenes ug/L	21 Tribromo- methane ug/L	62 o-Xylene ug/L	52 1,1,2,2-Tetra- chloroethane ug/L	30 1,3-Dichloro- benzene ug/L	31 1,4-Dichloro- benzene ug/L
LR11-5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW1	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW3	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW2	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
MW5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC6	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
GC5	12-20-94	20685	BDL	BDL	BDL	BDL	BDL	BDL
SMR2	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SMR1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA8+	01-03-95	20686	NA	NA	NA	NA	NA	NA
GC4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
GC1	01-03-95	20686	BDL	BDL	BDL	BDL	BDL	BDL
SA6	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA7	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA8	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA4	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
GC1A	01-10-95	20687	BDL	BDL	BDL	BDL	BDL	BDL
SA5	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
LR11-1	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC2	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
SA3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL
GC3	01-11-95	20688	BDL	BDL	BDL	BDL	BDL	BDL

*Pump Malfunction

*Analysis performed at P.E. LaMoreaux & Associates (HRS. E84089)

MANATEE COUNTY PUBLIC WORKS
CENTRAL LABORATORY (HRS: E54139)
5101 65 TH STREET WEST
BRADENTON, FL 34210

APPENDIX I VOLATILES (EPA 8260)

	Detection Limits (ug/L)
1,1,1,2-TETRACHLOROETHANE	0.1
STYRENE	1.0
1,2,3-TRICHLOROPROPANE	0.3
T-1,4-DICHLORO-2-BUTENE	10.0
1,2-DIBROMO-3-CHLOROPROPANE	0.5
IODOMETANE	0.5
ACETONE	2.5
CARBON DISULFIDE	5.0
VINYL ACETATE	10.0
2-BUTANONE	5.0
BROMOCHLOROMETHANE	0.5
CIS 1,2-DICHLOROETHENE	0.1
DIBROMOMETHANE	0.3
4-METHYL-2-PENTANONE	5.0
2-HEXANONE	5.0
1,2-DIBROMOETHANE	0.5
CHLOROMETHANE	0.13
VINYL CHLORIDE	0.17
BROMOMETHANE	0.11
CHLOROETHANE	0.10
TRICHLOROFLUOROMETHANE	0.08
1,1-DICHLOROETHENE	0.12
DICHLOROMETHANE	0.03
TRANS-1,2-DICHLOROETHENE	0.06
ACRYLONITRILE	1.50
1,1-DICHLOROETHANE	0.04
TRICHLOROMETHANE	0.03
1,1,1-TRICHLOROETHANE	0.08
1,2-DICHLOROETHANE	0.06
BENZENE	0.04
CARBON TETRACHLORIDE	0.21
1,2-DICHLOROPROPANE	0.04
TRICHLOROETHENE	0.19
BROMODICHLOROMETHANE	0.08
CIS-1,3-DICHLOROPROPENE	0.05
TOLUENE	0.11
TRANS-1,3-DICHLOROPROPENE	0.04
1,1,2-TRICHLOROETHANE	0.10

DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY VARY WITH MATRIX AND CONCENTRATION.

DIBROMOCHLOROMETHANE	0.05
TETRCHLOROETHENE	0.14
CHLOROBENZENE	0.04
ETHYLBENZENE	0.06
M. P-XYLENES	0.11
TRIBROMO ₁ 4ETAANE	0.12
O-XYLENE	0.11
1 . 1 . 2 . 2 -TETRACHLOROETHANE	0.04
1 . 3-DICHLOROBENZENE	0.12
1 . 4-DICHLOROBENZENE	0.03
1 . 2 -DICHLOROBENZENE	0.03

DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY VARY WITH MATRIX AND CONCENTRATION.