

July 13, 1995

Allison Amram, P.G.

Division of Waste Management

3804 Coconut Palm Drive

MANATEE COUNTY GOVERNMENT

Public Works Department



அன்னம் ental Protection SOUTHWEST DISTRICT

44795

Re:

Manatee County Solid Waste Management Facility Lena Road Landfill

Department of Environmental Protection, South West District

Permit No. SO41-211176

4041002025

Dear Ms. Amram:

Tampa, FL 33619

Enclosed please find the Groundwater Monitoring Report for the period January through June, 1995. Attached also are the analytical results for sodium, mercury, and iron. Additional information to follow will include parameters listed in Specific Condition No. 35. of the above referenced Permit and the Groundwater contour map. This information will be received in your office the week of July 31, 1995. All data was collected during the appropriate time frame, however, was delayed in reaching our office.

We apologize for any inconvenience this may cause you. If you require further information regarding this matter, please contact this office at 941/748-5543.

Sincerely,

Benjamin L. Alex

Boyaner & alay

Solid Waste Technical Coordinator

bla

Robert Butera, P.E., FDEP Kim Ford, P.E., FDEP

Lenox E. "Len" Bramble, Public Services Director 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



BOOTE TO THE SHIP OF SMILE OF THE OTE THE OTE

ANT AT AN TOOM A

DEP Form #	62-622.000(2)
Form Title 0 REPORT	ROUND WATER MONITORING
Effective De	na

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION •	
(1) Facility Name Lena Road Landfill - Manatee County Public Services	· · · · · · · · · · · · · · · · · · ·
Address Caller Service 25010	
City Bradenton, Florida	ip 34206
Telephone Number (941) 748-5543	
(2) The GMS Identification Number 4041C02025	
(3) DEP Permit Number	
(4) Authorized Representative Name Lenox E. (Len) Bramble	·
Address 4410-66th Street West	
City Bradenton, Florida Z	ip 34210
Telephone Number (941) 792-8811	
(5) Type of Discharge N/A	·
(6) Method of Discharge Unknown - Lined Landfill	
Certification	
I certify under penalty of law that I have personally examined and am familiar with the information submitted in all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the info that the information is true, accurate, and complete. I am aware that there are significant penalties for submitti including the possibility of fine and imprisonment. Date: 7-14-95	rmation, I believe
Date: 7-14-95 Signature of Owner or Authorized Represent	ative
PART II QUALITY ASSURANCE REQUIREMENTS	
Sample Organization Comp QAP # 870072G	
Analytical Lab Comp QAP #/HRS Certification # E84098 + 84183 (Drinking Water)	
*Comp QAP #/HRS Certification # 4043 - LAB # E54139	
Lab Name P. E. LaMoreaux & Associates, Inc.	
Address P. O. Box 6719, Lakeland, Florida 33807	
Phone Number <u>(813) 646–8526</u>	

P.E. LaMoreaux and Associates; Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

Je werg

CERTIFICATE OF ANALYSIS SAMPLE SUMMARY

SENT TO:

MANATEE CO PUBLIC WORKS DEPT.

ATTN: KEVIN ROSS

5101 65th STREET WEST

BRADENTON, FLORIDA 34101

813-792-8788

ANALYZED P.E. LaMoreaux & Associates, Inc.

BY:

4320 OLD HIGHWAY 37

LAKELAND, FLORIDA 33813

PHONE:

(813) 646-8526

FAX:

(813) 646-1042

PROJECT NO.

PELA CONTACT WORK ORDER NO.

950400086

RECEIVED DATE

04/26/95

REPORTED DATE :

05/12/95

STATE OF FLORIDA CERTIFICATIONS: E84098-ENVIRONMENTAL, #84183-DRINKING WATER

LAB ID #	SAMPLE DESCRIPTION	SAMPLE SITE	DATE TIME
JF04469	SMR 2 20710	LENA LANDFILL	04/22/95 08:30
JF04470	SMR 1 20710	LENA LANDFILL	04/22/95 09:00
JF04471	SA 8 20710	LENA LANDFILL	04/22/95 09:30
JF04472	LRII-4 20710	LENA LANDFILL	04/22/95 10:00
JF04473	LRII-4 FD 20710	LENA LANDFILL	04/22/95 10:00
JF04474	SA 7 20710	LENA LANDFILL	04/22/95 10:30
JF04475	LR II 3 20710	LENA LANDFILL	04/22/95 11:00
JF04476	SA 6 20710	LENA LANDFILL	04/22/95 11:30
JF04477	LRII-2 20710	LENA LANDFILL	04/22/95 12:00
JF04478	SA 5 20710	LENA LANDFILL	04/22/95 12:30
JF04479	LRII-1 20710	LENA LANDFILL	04/22/95 13:15
JF04480	CW 5A 20710	LENA LANDFILL	04/22/95 13:30
JF04481	GC 4 20711	LENA LANDFILL	04/23/95 09:00
JF04482	GC 3 20711 :	LENA LANDFILL	04/23/95 09:30
JF04483	SA 3 20711	LENA LANDFILL	04/23/95 10:00
JF04484	GC 2 20711	LENA LANDFILL	04/23/95 10:30
JF04485	SA 2 20711	LENA LANDFILL	04/23/95 11:00
JF04486	GC 1A 20711	LENA LANDFILL	04/23/95 11:30
JF04487	SA 4 20711	LENA LANDFILL	04/23/95 12:00
JF04488	FIELD BLANK 20711	LENA LANDFILL	04/23/95
٠,			TIME

SENIOR CHEMIST

LABORATORY DIRECTOR

Thank you for giving PELA the opportunity to be of service.

If you need any additional information, please call.

CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958



REFURI OF MIMELIOIS

P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/648-8528

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO FUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04469

sample Identification : SMR 2 20710

Sample Site

: LENA LANDFILL

Sample Type

: WATER

sample Designators

SAMPLE COLLECTION IMPORMATION

Collection Date : 04/22/95 Collection Time : 08:30 Collected by : CLIENT Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS





REPURI OF ANALTOIS

P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

Client Name

: MANATEE CO PUBLIC WORKS DEPT.

PELA LAB NUMBER: JF04469 COLLECTION DATE: 04/22/95)

Identification: SMR 2

Site

: LENA LANDFILL

20710

туре

: WATER

COLLECTION TIME: 08:30

DETECTION TIME/DATE DATE METHOD PARAMETER RESULTS UNITS LIMITS FINISHED

INORGANICS

mg/L EPA 300.7 SJH 0.02 12:36 05/09/95 IRON 05/09/95 8JH MERCURY AS EG EPA 245.1 0.0001 BOL mg/L 12:32 05/05/95 05/05/95 SODIUM AS NA SPA 200.7 SJH 0.01 - 54.7 mg/L 17:14 05/10/95 05/10/95 P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04470

sample Identification : SMR 1 20710

: LENA LANDFILL Sample Site

Sample Type : WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/22/95 Collection Time : 09:00 Collected by : CLIENT Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS





P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

: MANATEI CO PUBLIC WORKS DEPT. client Name

Identification: SMR 1 Site

20710

Type

: WATER

: LENA LANDFILL

PELA LAB NUMBER: JF04470 COLLECTION DATE: 04/22/95

COLLECTION TIME: 09:00

PARAMETER	METHOD	DETECTION LIMITS	results	UNITS	ANALYST	TIME/DATE STARTED	DATE FINISHED
<u>INORGANICS</u>						of the state of th	
					Sel Francisco		
IRON	SPA 296.7	0.02	9.25	ng/L	SJH	12:36 05/09/95	05/09/95
MERCURY AS BG	SPA 245.1	0.0001	BOT.	ng/L	gjn	12:32 05/05/95	05/05/95
SODIUM AS NA	EBA 200.7	0.01	16.9	ng/L	BJH	12:39 05/09/95	05/09/95





P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Flonda 33813 PHONE 813/846-8526

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

20710

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04471

Sample Identification : SA 8

Sample Site : LENA LANDFILL

Sample Type : WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/22/95 Collection Time : 09:30 Collected by : CLIENT Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958



P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

LIMITS

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

Client Name

: MANATEE CO PUBLIC WORKS DEPT.

Identification: SA 8

20710

METHOD

site

: LENA LANDFILL

Type

: WATER

PELA LAB NUMBER: JF04471

COLLECTION DATE: 04/22/95

ANALYST

COLLECTION TIME: 09:30

DETECTION

RESULTS

TIME/DATE

UNITS

STARTED FINISHED

DATE

INORGANICS

PARAMETER

IRON **EPA 200.7** 0.02 0.03 mg/L SJM 12:36 05/09/95 05/09/95 MERCURY AS BG EPA 245.1 0.0001 BDL mg/L SJM 12:32 05/05/95 05/05/95 36.1 EPA 200.7 0.01 SJH 12:39 05/09/95 SODIUM AS NA mg/L 05/09/95

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04472

sample Identification : LRII-4 20710

sample Site

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/22/95
Collection Time : 10:00
Collected by : CLIENT
Date Received at Lab : 04/26/95
Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS

RECFIVED
MAY 24 1995
WASTE WATER
LAB

CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120



REPORT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/848-8528

FAX 813/646-1042

Client Name

Type

: MANATEE CO PUBLIC WORKS DEPT.

20710

Identification: LRII-4 : LENA LANDFILL Site

: WATER

(163

COLLECTION DATE: 04/22/95

PELA LAB NUMBER: JF04472

COLLECTION TIME: 10:00

		DETECTION				TIME/DATE	DATE
PARAMETER	METHOD	LIMITS	RESULTS	UNITS	ANALYST	STARTED	FINISHED
			_			Marke Printer	
INORGANICS						A CONTRACTOR OF THE PARTY OF TH	
				٠.	a pripare		
•					€.		
IRON	BBA 200.7	0.02	4.27	mg/L	яJн	12:36 05/09/95	05/09/95
MERCURY AS EG	5PA 245.1	0.0001	BDL	ng/L	sjm	12:32 05/05/95	05/05/95
Sodium as ea	EPA 200.7	0.01	9.97	mg/L	SJM	12:39 05/09/95	05/09/95

CERTIFICATIONS: State of FL #84183/E8409#

State of AL #40120

State of KY #90013

RECEIVED' MAY 24 1995

WASTE WATER

METHODS: Standard Methods for the Examination of Water and Wastewater, Latest Edition, APHA, AWWA, and WEF and/or other EPA-approved methods which meet FDER or other state protocol, unless otherwise designated/

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04473

Sample Identification: LRII-4 FD 20710

Sample Site : LENA LANDFILL

Sample Type : WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/22/95 Collection Time : 10:00 Collected by : CLIENT Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS

State of FL #84183/E84098

State of AL #40120



P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526 FAX 813/646-1042

Client Name : MANATEE CO PUBLIC WORKS DEPT. PELA LAB NUMBER: JF04473 COLLECTION DATE: 04/22/95

Site

Identification: LRII-4 FD 20710

COLLECTION TIME: 10:00

: LENA LANDFILL

Type

: WATER

		DETECTION \	_			TIME/DATE	DATE
PARAMETER	METHOD	LIMITS	RESULTS	UNITS	<u>Analyst</u>	STARTED	FINISHED

INORGANICS

IRON	EPA 200.7	0.02	4.56	mg/L	SJN	12:36 05/09/95	05/09/95
MERCURY AS EG	EPA 245.1	0.0001	BDI.	mg/L	SJH	12:32 05/05/95	05/05/95
SODIUM AS NA	EPA 200.7	0.01	10.8	mg/L	ejh	12:39 05/09/95	05/09/95

RECEIVED MAY 24 1995 **WASTE WATER**

CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

METHODS: Standard Methods for the Examination of Water and Wastewater, Latest Edition, APHA, AWWA, and WEF and/or other EP or other state protocol, unless otherwise designated.



CICTANIA TO I NOT

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526 FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04474

Sample Identification : SA 7

20710

Sample Site

Sample Type

: LENA LANDFILL

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date

: 04/22/95

Collection Time

: 10:30

Collected by

: CLIENT

Date Received at Lab : 04/26/95

Time Received at Lab

: 17:57

FIELD PARAMETERS

COMMENTS

CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

METHODS: Standard Methods for the Examination of Water and Wastewater, Latest Edition, APHA, AWWA, and WEF and/or other EPA or other state protocol, unless otherwise designated.



REPURI OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

Client Name : MANATEE CO PUBLIC WORKS DEPT.

Identification: SA 7

20710

site

: LENA LANDFILL

Type

: WATER

4116

PELA LAB NUMBER: JF04474

COLLECTION DATE: 04/22/95

COLLECTION TIME: 10:30

DETECTION

TIME/DATE

DATE

PARAMETER METHOD LIMITS RESULTS UNITS ANALYST STARTED FINISHED

INORGANICS

SJH EPA 200.7 0.02 ng/L //12:36 05/09/95 05/09/95 IRON BPA 245.1 0.0001 SJN 12:32 05/05/95 05/05/95 MERCURY AS EG mg/L gJH 12:39 05/09/95 RPA 200.7 0.01 mg/L 05/09/95 SODIUM AS HA

í,

RECEIVED
MAY 24 1995
WASTE WATER

CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of 10(7)02958

AR State of SC 19602

METHODS: Standard Methods for the Examination of Water and Wastewater, Latest Edition, APHA, AWWA, and WEF and/or other EPA exprosed methods with most or other state protocol, unless otherwise designated.



ニュー・ニュー ション The Ut

P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526 FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04475

sample Identification : LR II 3

20710

Sample Site

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date

: 04/22/95

Collection Time

: 11:00

Collected by

: CLIENT

Date Received at Lab

: 04/26/95

Time Received at Lab

: 17:57

FIELD PARAMETERS

COMMENTS

State of FL #84183/E84098

State of AL #40120



MEPORT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

client Name

: MANATEE CO PUBLIC WORKS DEPT.

20710

PELA LAB NUMBER: JF04475

COLLECTION TIME: 11:00

Identification: LR II 3

COLLECTION DATE: 04/22/95

site Type : LENA LANDFILL : WATER

TIME/DATE

DETECTION DATE METHOD RESULTS UNITS STARTED PARAMETER LIMITS FINISHED

INORGANICS

BPA 206.7 0.02 mg/L IRON BPA 245-1 0.0001 mg/L sJit MERCURY AS EG 0.01 SOPIUM AS MA EPA 200.7 mg/L BJM

12:36 05/09/95 05/09/95 12:32 05/05/95 05/05/95

17:14 05/10/95

05/10/95

RECEIVED MAY 24 1995 **WASTE WATER** LAB

CERTIFICATIONS:

1.11

State of FL #84183/E84098

State of AL #40120

ritt va ritialite val P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526 FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04476

Sample Identification : SA 6 20710

Sample Site : LENA LANDFILL

Sample Type : WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/22/95 Collection Time : 11:30 Collected by : CLIENT Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS

CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120



HEPUKI UF ANALYSIS

P.E. LaMoreaux and Associates, Inc.

remistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

0.0001

0.01

PHONE 813/646-6526

mg/L

mg/L

FAX 813/646-1042

12:32 05/05/95

12:39 05/09/95

05/05/95

05/09/95

Client Name

MERCURY AS EG

SODIUM AS NA

: MANATEE CO PUBLIC WORKS DEPT.

5BA 245.1

BPA 200.7

Identification: SA 6

20710

site

: LENA LANDFILL

Type

: WATER

PELA LAB NUMBER: JF04476

COLLECTION DATE: 04/22/95

SJN

SJH

COLLECTION TIME: 11:30

PARAMETER	METHOD	DETECTION LIMITS	RESULTS	UNITS	ANALYST	TIME/DATE STARTED	DATE FINISHED
							· ·
<u>INORGANICS</u>							
IRON	5PA 290.7	0.02	0.06	mg/L	83M	12:36 05/09/95	05/09/95

BDL

35.1



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120



HEFURI OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37. Lakeland, Florida 33813

PHONE 813/846-8526

FAX 813/846-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

3101 65th STREET WEST

BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

RILLING IMPORMATION

Bill to

: MANATEE CO PUBLIC WORKS PEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04477

Sample Identification : LRII-2

20710

sample site

: LENA LANDFILL

Sample Type

: WATER

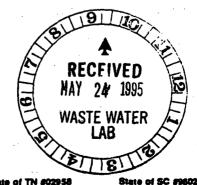
Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/22/95 Collection Time : 12:00 Collected by : CLIENT Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

PIELD PARAMETERS

COMMENTS



State of FL #84183/E84098

State of AL #40120

State of KY #90013



HEFURI UF ANALYSIS

P.E. LaMoreaux and Associates, inc.

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813

DETECTION

LIMITS

PHONE 813/646-8526

FAX 813/646-1042

Client Name

: MANATEE CO PUBLIC WORKS DEPT.

METHOD

20710 Identification: LRII-2

Site

: LENA LANDFILL

Type

: WATER

COLLECTION DATE: 04/22/95

COLLECTION TIME: 12:00

PELA LAB NUMBER: JF04477

TIME/DATE DATE UNITS STARTED FINISHED

INORGANICS

PARAMETER

IRON BPA 200.7 0.02 SJH 12:36 05/09/95 05/09/95 mg/L RPA 245.1 0.0001 BJN 12:32 05/05/95 05/05/95 mg/L MERCURY AS EQ SODIUM AS HA DA 200.7 0.01 mg/L sjm 12:39 05/09/95 05/09/95



State of FL #84183/E84098

4

State of AL #40120

State of KY #90013



REPURT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526

FAX 813/846-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04478

sample Identification : SA 5.

sample Site

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/22/95 Collection Time : 12:30 Collected by : CLIENT Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS

ř



State of FL #84183/E84098

State of AL #40120

State of KY #90013



P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/846-1042

: MANATEE CO PUBLIC WORKS DEPT.

Identification: SA 5

20710 : LENA LANDFILL

Site Type

: WATER

PELA LAB NUMBER: JF04478

COLLECTION DATE: 04/22/95

COLLECTION TIME: 12:30

			- / /				
		DETECTION	/			TIME/DATE	DATE
PARAMETER	METHOD	LIMITS	RESULTS	UNITS	ANALYST	STARTED	FINISHED
					14 P		
<u>INORGANICS</u>					Consister.		
				. 4	Fred P		
·	• •			. 3			
				1			
IRON	EPA 200.7	0.02	BDC.	mg/L	SJN	12:36 05/09/95	05/09/95
MERCURY AS HG	BPA 245.1	0.0001	BDL.	mg/L	SJM	12:32 05/05/95	05/05/95
SODIUM AS NA	EPA 200.7	0.01	49.5	mg/L	sjh	17:14 05/10/95	05/10/95





HERUH I UP ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/846-8528

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04479

Sample Identification : LRII-1

RII-1 20710

Sample Site

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date

: 04/22/95

Collection Time

: 13:15

Collected by

: CLIENT

Date Received at Lab

: 04/26/95

Time Received at Lab

: 17:57

FIELD PARAMETERS

4

COMMENTS

RECFIVED
MAY 24 1995
WASTE WATER
LAB

CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

ate of TN #02954 State by SC #9602



P.E. LaMoresux and Associates, Inc.

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813

: MANATEE CO PUBLIC WORKS DEPT.

PHONE 813/646-8526

FAX 813/646-1042

Client Name

PELA LAB NUMBER: JF04479

20710 Identification: LRII-1

Site

COLLECTION DATE: 04/22/95

: LENA LANDFILL

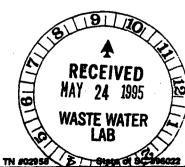
COLLECTION TIME: 13:15

Type

: WATER

e160

PARAMETER	method	DETECTIO LIMITS	> / N Results	UNITS	analyst	TIME/DATE STARTED	DATE FINISHED
PARAMETUR			- REDUELD	011220	7.17.2	UTAKI DU	111111111111111111111111111111111111111
INORGANICS					18 1 2 2 N		•
					A STANSON STANSON		
				. April	Sept.		
				1			
IRON	EPA 200.7	0.02	22.2	mg/L	SJH	17:25 05/10/95	05/10/95
MERCURY AS EG	EDA 245.1	0.0001	BOL	mg/L	ЯĮЯ	12:32 05/05/95	05/05/95
SODTUM AS WA	EDA 200.7	0.01	17.4	ma/L	SJM	12:39 05/09/95	05/09/95





REPORT OF ANALYSIS

LaMoreaux and Associates, inc. Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04480

Sample Identification : CW 5A

20710

Sample Site

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date

: 04/22/95

Collection Time

: 13:30

Collected by

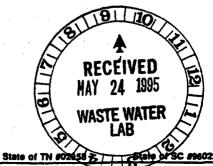
: CLIENT

Date Received at Lab : 04/26/95

Time Received at Lab : 17:57

FIELD PARAMETERS

COMENTS



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120



JHI UT ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

Client Name

: MANATEE CO PUBLIC WORKS DEPT.

20710 Identification: CW 5A

site

: LENA LANDFILL

PELA LAB NUMBER: JF04480

COLLECTION DATE: 04/22/95

COLLECTION TIME: 13:30

Type	: WATER	273/								
PARAMETER	METHOD	DETECTION LIMITS	RESULTS	UNITS	ANALYST	TIME/DATE STARTED	DATE FINISHED			
INORGANICS						and the same of th	m ²			
					j.					
IRON		EPA 200.7	0.02	9.37	mg/L	gjn	12:36 05/09/95	05/09/95		
MERCURY AS HG		BPA 245.1	0.0001	BOL	mg/L	EJM	12:32 05/05/95	05/05/95		
SOPIUM AS MA		EPA 200.7	0.01	24.8	ng/L	SJM	12:39 05/09/95	05/09/95		

RECEIVED MAY 24 1995 **WASTE WATER** State of TN

State of FL #84183/E84098

State of AL #40120



REFURI UP AMALISIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526 FAX 813/648-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04481

Sample Identification : GC 4

20711

Sample Site

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

: 04/23/95 Collection Date Collection Time : 09:00 Collected by : CLIENT Date Received at Lab : 04/26/95

Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120



REPURT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc.

DETECTION

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813

: MANATEE CO PUBLIC WORKS DEPT.

Identification: GC 4

20711

Site

: LENA LANDFILL

Type

: WATER

PHONE 813/646-8526

FAX 813/646-1042

PELA LAB NUMBER: JF04481

COLLECTION DATE: 04/23/95 COLLECTION TIME: 09:00

TIME/DATE

DATE

PARAMETER	METHOD	LIMITS	RESULTS_	UNITS	ANALYST	STARTED	FINISHED

<u>INORGANICS</u>

Client Name

					3 537		
IRON	EPA 200.7	0.02	15.8	mg/L	ALS F	17:25 05/10/95	05/10/95
MERCURY AS RG	SPA 245.1	0.0001	BDL	mg/L	SJN	12:32 05/05/95	05/05/95
SODIUM AS MA	EPA 200.7	0.01	19.9	mg/L	SJN	12:39 05/09/95	05/09/95



State of FL #84183/E84098

State of AL #40120

State of KY #90013

METHODS: Standard Methods for the Examination of Water and Wastewater, Latest Edition, APHA, AWWA, and WEF and/or other EPA-approve or other state protocol, unless otherwise designated.



JHI UF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/848-8526 FAX 813/846-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04482

Sample Identification : GC 3 20711 Sample Site : LENA LANDFILL

Sample Type : WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/23/95 Collection Time : 09:30 Collected by : CLIENT Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013



JHI OF ANALYSIS

P.E. LaMoreaux and Associates, inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

12:39 05/09/95

05/09/95

: MANATEE CO PUBLIC WORKS DEPT. Client Name

Identification: GC 3

20711

Site

SODIUM AS MA

: LENA LANDFILL

Type

: WATER

PELA LAB NUMBER: JF04482

COLLECTION DATE: 04/23/95

COLLECTION TIME: 09:30

DETECTION

0.01

TIME/DATE DATE

SJN

PARAMETER	METHOD	LIMITS	RESULTS	UNITS	ANALYST	STARTED	FINISHED
<u>INORGANICS</u>							
	• •			•		and the same of th	
IRON	BPA 300.7	0.02	8.71	mg/L	SJN	12:36 05/09/95	05/09/95
HERCURY AS BG	RPA 245.1	0.0001	BOL	mg/L	SJM	12:32 05/05/95	05/05/95

20.3



State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958



REPORT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/646-8526 FAX 813/848-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST

BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04483

Sample Identification : SA 3

20711

Sample Site

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date

: 04/23/95

Collection Time

: 10:00

Collected by

: CLIENT

Date Received at Lab : 04/26/95

Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS



State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958



HEPUHI OF ANALYSIS

P.E. LaMoresux and Associates, inc. Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526 FAX 813/646-1042

: MANATEE CO PUBLIC WORKS DEPT.

PELA LAB NUMBER: JF04483

Identification: SA 3

20711

COLLECTION DATE: 04/23/95

Site Type

: LENA LANDFILL : WATER

COLLECTION TIME: 10:00

		DETECTION				TIME/DATE	DATE
Parameter	METHOD	LIMITS	RESULTS	UNITS	ANALYST	STARTED	FINISHED
<u>INORGANICS</u>							
				. 2	Jour .		
				•			•
TRON	BPA 200.7	0.02	1.57	mg/L	Sjn	12:36 05/09/95	05/09/95
MERCURY AS EQ	5PA 245.1	0.0001	BDL	mg/L	MLB	12:32 05/05/95	05/05/95
SODIUM AS NA	XDA 200.7	0.01	23.3	mg/L	В ЈИ	12:39 05/09/95	05/09/95



State of FL #84183/E84098

State of AL #40120

State of KY #90013



REPORT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-6528

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04484

Sample Identification : GC 2 20711 Sample Site : LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/23/95
Collection Time : 10:30
Collected by : CLIENT
Date Received at Lab : 04/26/95
Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958_



PURT OF ANALYSIS

LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

: MANATEE CO PUBLIC WORKS DEPT.

Identification: GC 2

20711 : LENA LANDFILL

Site Туре

Client Name

: WATER

PHONE 813/646-8528 FAX 813/846-1042

PELA LAB NUMBER: JF04484

COLLECTION DATE: 04/23/95

COLLECTION TIME: 10:30

PARAMETER	METHOD	DETECTION LIMITS	RESULTS	UNITS	ANALYST	TIME/DATE STARTED	DATE FINISHED
INORGANICS					ار ق ممین		
	• •				at the second se		
IRON	BPA 200.7	0.02	36.7	ng/L	sjn	16:20 05/09/95	05/09/95
MERCURY AS EG	BPA 245.1	0.0001	BDL	mg/L	8JM	12:32 05/05/95	05/05/95
SODIUM AS HA	EPA 290.7	0.01	24.0	mg/L	<u> S</u> J _M	12:39 05/09/95	05/09/95



į,



KEPÜH I UF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST

BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04485

Sample Identification : SA 2

20711

Sample 6ite

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date

: 04/23/95

Collection Time

: 11:00

Collected by

: CLIENT

Date Received at Lab : 04/26/95 Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS



State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958



REPORT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

Client Name

: MANATEE CO PUBLIC WORKS DEPT.

20711

PELA LAB NUMBER: JF04485

Identification: SA 2

COLLECTION DATE: 04/23/95

Site

: LENA LANDFILL

COLLECTION TIME: 11:00

Type

: WATER

DETECTION

TIME/DATE

DATE

METHOD analyst PARAMETER LIMITS RESULTS UNITS STARTED

FINISHED

INORGANICS

EPA 200.7 0.02 05/09/95 IRON mg/L **BJH** 12:36 05/09/95 MERCURY AS EG BPA 245.1 0.0001 mg/L 05/05/95 SJM 12:32 05/05/95 EPA 200.7 SODIUM AS NA 0.01 SJN 12:39 05/09/95 05/09/95 mg/L



State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958

82



REPORT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P 0 Box 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No. : JF04486

Sample Identification : GC 1A 20711

Sample Site

: LENA LANDFILL

Sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date : 04/23/95 Collection Time : 11:30 Collected by : CLIENT Date Received at Lab : 04/26/95

Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958

FAX 813/646-1042

State of SC #96022.



REPURT OF ANALYSIS

LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

: MANATEE CO PUBLIC WORKS DEPT.

Site

Client Name

20711 Identification: GC 1A : LENA LANDFILL

Type

: WATER

PHONE 813/646-8526 FAX 813/646-1042

PELA LAB NUMBER: JF04486 COLLECTION DATE: 04/23/95

COLLECTION TIME: 11:30

		DETECTION	′			TIME/DATE	DATE
PARAMETER	METHOD	LIMITS	RESULTS	UNITS	ANALYST	STARTED	FINISHED
INORGANICS							
	••						
IRON	EPA 200.7	0.02	51.5	mg/L	BJH	16:20 05/09/95	05/09/95
HERCURY AS EG	EPA 245.1	0.0001	BOL	96/1	SJH	12:32 05/05/95	05/05/95
SODIUM AS HA	BPA 209.7	0.01	51.1	mg/L	Sun	12:39 05/09/95	05/09/95



State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958



REPUBLIOF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526

FAX 813/646-1042

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST

BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04487

Sample Identification : SA 4

SA 4 20711

Sample Site

: LENA LANDFILL

sample Type

: WATER

Sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date

: 04/23/95

Collection Time

: 12:00

Collected by

: CLIENT

Date Received at Lab
Time Received at Lab

: 04/26/95 : 17:57

FIELD PARAMETERS

i

COMMENTS



CERTIFICATIONS:

State of FL #84183/E84098

State of AL \$40120

State of KY #90013

State of TN #02958



EPUHI OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526 FAX 813/646-1042

Client Name Identification: SA 4

: MANATEE CO PUBLIC WORKS DEPT.

PELA LAB NUMBER: JF04487

Site

20711

: LENA LANDFILL

Type

: WATER

COLLECTION DATE: 04/23/95 COLLECTION TIME: 12:00

			•				
		DETECTION				TIME/DATE	DATE
PARAMETER	METHOD	LIMITS	RESULTS	UNITS	ANALYST	STARTED	FINISHED
INORGANICS							
INORGANICS		•				Market Control	
	• •						
					and the second		
IRON	EPA 200.7	0.02	0.11	mg/L	# BJN	12:36 05/09/95	05/09/95
HERCURY AS EG	EPA 245,1	0.0001	BDL .	ng/L	KĽĄ	12:32 05/05/95	05/05/95
CONTINU AS NA	EPA 200.7	0.01	50.5	" mm/T.	S.TM	16,35 05/09/95	05/09/95



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958



REPORT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813 PHONE 813/648-8528

CLIENT INFORMATION

Client

: MANATEE CO PUBLIC WORKS DEPT.

5101 65th STREET WEST BRADENTON, FLORIDA 34101

Attention

: ATTN: KEVIN ROSS

BILLING INFORMATION

Bill to

: MANATEE CO PUBLIC WORKS DEPT.

ATTN: FINANCE DEPARTMENT

P O BOX 1000

BRADENTON, FLORIDA 34206

Purchase Order No.

SAMPLE INFORMATION

PELA Laboratory No.

: JF04488

Sample Identification : FIELD BLANK

20711

Sample Site

: LENA LANDFILL

sample Type

: WATER

sample Designators

SAMPLE COLLECTION INFORMATION

Collection Date

: 04/23/95

Collection Time

: -0-

Collected by

: CLIENT

Date Received at Lab : 04/26/95

Time Received at Lab : 17:57

FIELD PARAMETERS

COMMENTS



CERTIFICATIONS:

State of FL #84183/E84098

State of AL #40120

State of KY #90013

State of TN #02958



MEPUHI UF ANALYSIS

P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 813/646-8526 FAX 813/646-1042

: MANATEE CO PUBLIC WORKS DEPT. client Name 20711

Identification: FIELD BLANK

: LENA LANDFILL

PELA LAB NUMBER: JF04488

COLLECTION DATE: 04/23/95

COLLECTION TIME: -0-

Site Type

: WATER

parameter inorganics	метнор	DETECTION LIMITS	RESULTS	UNITS	ANALYST	TIME/DATE STARTED	DATE FINISHED
			n win a lawnad				
IRON	EPA 200.7	0.02	BDL	mg/L	SJN	12:36 05/09/95	05/09/95
MERCURY AS EG	EPA 245.1	0.0001	BDL	mg/L	83X	12:32 05/05/95	05/05/95
SODIUM AS HA	EPA 200.7	0.01	BOL	" mg/L	sjn	12:39 05/09/95	05/09/95



CERTIFICATIONS:

State of FL #84183/E84098

..

State of AL #40120

State of KY #90013

State of TN #02958

METHODS: Standard Methods for the Examination of Water and Wastewater, Latest Edition, APHA, AWWA, and WEF and/or other EPA-approved methods which most FDER or other state protocol, unless otherwise designated.