# MANATEE COUNTY GOVERNMENT
## Public Works Department

May 19, 1995

RECEIVED
MAY 24 1995
Department of Environmental Protection
SOUTHWEST DISTRICT
BY

Allison Amram, P.G.
Florida Department of Environmental Protection
Solid Waste Section, Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Solid Waste Management Facility-Lena Road
Permit No. SO41-211176, GMS No. 4041C02025

Dear Ms. Amram:

As advised in our letter dated April 24, 1995, please find enclosed information regarding Iron, Mercury, and Sodium analyses that was to have been included in the March 17, 1995, report.

We apologize for any inconvenience caused your office. If you require further information regarding this matter, please contact our office.

Sincerely,

Lenox E. "Len" Bramble
Director

/gbp

Enclosure: 1

cc: Daniel T. Gray, Utilities Operations Manager
Gus A. DiFonzo, Solid Waste Manager

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

P.O. Box 25010, Bradenton, Florida 34206

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PELA

# EPORT 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

## 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 BY: P.E. LaMoreaux & Associates, Inc.
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 | COLLECTION DATE | COLLECTION 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 | |

SENIOR CHEMIST

Amal Mostafa
LABORATORY DIRECTOR

**Thank you for giving PELA the opportunity to be of service.**
**If you need any additional information, please call.**

MAY 17 1995

# 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.
Identification: SMR 2 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04469
COLLECTION DATE: 04/22/95
COLLECTION TIME: 08:30

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 0.04 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 54.7 | mg/L | SJM | 17:14 05/10/95 | 05/10/95 |

CERTIFICATIONS: State of FL #84183/E84098 State of AL #40120 State of KY #90013 State of TN #02958 State of SC #96022

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.

# 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.
Identification: SMR 1 20710
Site : LENA LANDFILL
Type : WATER

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 |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 8.25 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 16.9 | mg/L | SJM | 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 State of SC #96022

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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 8 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04471
COLLECTION DATE: 04/22/95
COLLECTION TIME: 09:30

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 0.03 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 36.1 | mg/L | SJM | 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 State of SC #96022

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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: LRII-4 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04472
COLLECTION DATE: 04/22/95
COLLECTION TIME: 10:00

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 4.27 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 9.97 | mg/L | SJM | 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 State of SC #96022

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.

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PELA 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: LRII-4 FD 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04473
COLLECTION DATE: 04/22/95
COLLECTION TIME: 10:00

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 4.56 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 10.8 | mg/L | SJM | 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 State of SC #96022

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.

# REPORT OF ANALYSIS

P.C. 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

PELA LAB NUMBER: JF04474
COLLECTION DATE: 04/22/95
COLLECTION TIME: 10:30

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 0.05 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 37.6 | mg/L | SJM | 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 State of SC #96022

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.

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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: LR II 3 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04475
COLLECTION DATE: 04/22/95
COLLECTION TIME: 11:00

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 6.28 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 46.1 | mg/L | SJM | 17:14 05/10/95 | 05/10/95 |

CERTIFICATIONS: State of FL #84183/E84098 State of AL #40120 State of KY #90013 State of TN #02958 State of SC #96022

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.

# REPORT OF ANALYSI

...d. 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 6 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04476
COLLECTION DATE: 04/22/95
COLLECTION TIME: 11:30

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 290.7 | 0.02 | 0.06 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 35.1 | mg/L | SJM | 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 State of SC #96022

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.

# REPORT OF ANALYSIS

P.C. 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: LRII-2 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04477
COLLECTION DATE: 04/22/95
COLLECTION TIME: 12:00

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 6.18 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 4.37 | mg/L | SJM | 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 State of SC #96022

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.

# 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.
Identification: SA 5 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04478
COLLECTION DATE: 04/22/95
COLLECTION TIME: 12:30

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | BDL | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 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 | SJM | 17:14 05/10/95 | 05/10/95 |

CERTIFICATIONS: State of FL #84183/E84098 State of AL #40120 State of KY #90013 State of TN #02958 State of SC #96022

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.

# REPORT OF ANALYSIS

PELA
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: LRII-1 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04479
COLLECTION DATE: 04/22/95
COLLECTION TIME: 13:15

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 22.2 | mg/L | SJM | 17:25 05/10/95 | 05/10/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 17.9 | mg/L | SJM | 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 State of SC #96022

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.

# 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.
Identification: CW 5A 20710
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04480
COLLECTION DATE: 04/22/95
COLLECTION TIME: 13:30

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 9.37 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 24.8 | mg/L | SJM | 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 State of SC #96022

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.

# 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.
Identification: GC 4 20711
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04481
COLLECTION DATE: 04/23/95
COLLECTION TIME: 09:00

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 15.8 | mg/L | SJM | 17:25 05/10/95 | 05/10/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 19.9 | mg/L | SJM | 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 State of SC #96022

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P.C. 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: GC 3 20711
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04482
COLLECTION DATE: 04/23/95
COLLECTION TIME: 09:30

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 8.71 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 20.3 | mg/L | SJM | 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 State of SC #96022

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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 3 20711
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04483
COLLECTION DATE: 04/23/95
COLLECTION TIME: 10:00

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 1.57 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 23.3 | mg/L | SJM | 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 State of SC #96022

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.

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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: GC 2 20711
Site : LENA LANDFILL
Type : WATER

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* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 36.7 | mg/L | SJM | 16:20 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 24.0 | mg/L | SJM | 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 State of SC #96022

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

Client Name : MANATEE CO PUBLIC WORKS DEPT.
Identification: SA 2 20711
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04485
COLLECTION DATE: 04/23/95
COLLECTION TIME: 11:00

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 0.63 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 22.6 | mg/L | SJM | 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 State of SC #96022

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.

# REPORT OF ANALYSIS

P.C. 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: GC 1A 20711
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04486
COLLECTION DATE: 04/23/95
COLLECTION TIME: 11:30

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 51.5 | mg/L | SJM | 16:20 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 51.1 | mg/L | SJM | 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 State of SC #96022

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.

# REPORT OF ANALYSIS

P.L. 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 4 20711
Site : LENA LANDFILL
Type : WATER

PELA LAB NUMBER: JF04487
COLLECTION DATE: 04/23/95
COLLECTION TIME: 12:00

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | 0.11 | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | 59.5 | mg/L | SJM | 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 State of SC #96022

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# REPORT OF ANALYSIS

P. A. 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: JF04488
Identification: FIELD BLANK 20711 COLLECTION DATE: 04/23/95
Site : LENA LANDFILL COLLECTION TIME: -0-
Type : WATER

| PARAMETER | METHOD | DETECTION LIMITS | RESULTS | UNITS | ANALYST | TIME/DATE STARTED | DATE FINISHED |
|---|---|---|---|---|---|---|---|
| *INORGANICS* | | | | | | | |
| IRON | EPA 200.7 | 0.02 | BDL | mg/L | SJM | 12:36 05/09/95 | 05/09/95 |
| MERCURY AS HG | EPA 245.1 | 0.0001 | BDL | mg/L | SJM | 12:32 05/05/95 | 05/05/95 |
| SODIUM AS NA | EPA 200.7 | 0.01 | BDL | mg/L | SJM | 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 State of SC #96022

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.