



.....

685 AIRPORT ROAD
WAUCHULA, FL 33873-8663
PHONE: (863) 773-5089
FAX: (863) 773-3907
e-mail: teresa.carver@hardeecounty.net

38414
GW
Leachate

Hardee County Solid Waste Department

August 3, 2004

Department of Environmental Protections
Attention: Allison Amram, Environmental Specialist III
Waste Management Section
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Mr. Morris
Dear Allison:

Submitted for your review are the following:

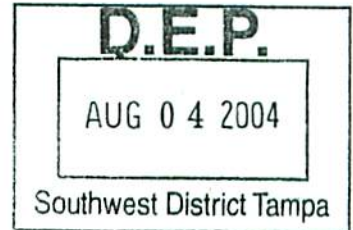
- ❖ Semi-annual groundwater monitoring
- ❖ Annual leachate analysis

Please contact me should you have any questions or comments

Sincerely,

Janice Williamson
Solid Waste Superintendent

Cc: Chongman Lee-DEP, Tallahassee; Andy Maddox – City of Wauchula



5
inbox
8/19/04

Printed on Recycled Paper

.....

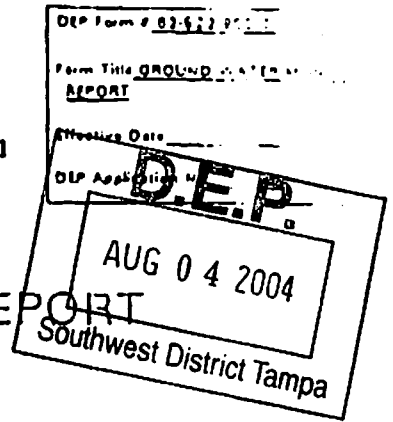
MAY 2004
SAMPLING
EVENT

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 Hardee County Solid Waste Disposal Facility

Address 685 Airport Road

City Wauchula, FL Zip 33873

Telephone Number (863) 773-5089

2. The GMS Identification Number 4025C30001

3. DEP Permit Number S025-214306

4. Authorized Representative Name Bruce Cummings

Address 10405 US 27 South

City Sebring, FL Zip 33876

Telephone Number (863) 655-4022

5. Type of Discharge _____

6. Method of Discharge _____

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this report and attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, 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.

Date: 7/27/04  For Hardee County BOCC
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 880516

Analytical Lab Comp QAP #/HRS Certification # 880516, E85458

Comp QAP #/HRS Certification # 870072, E84098

Lab Name Short Environmental Laboratories, Inc.

Address 10405 US 27 South, Sebring, FL 3387

Phone Number 655-4022

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South
Sebring, Florida 33876

(800) 833-4022 FDOH# E85458, FDEP QAP# 880516 (863) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

07/27/2004
Page 1 of 5

Laboratory Number: 210792

Project: Hardee County
Location: Landfill
Sample ID: Manhole leachate
Sampled By: E. McCarta on 05/17/2004 @ 1025
Received: 05/17/2004 @ 1620

REPORT OF ANALYSIS

FIELD DATA

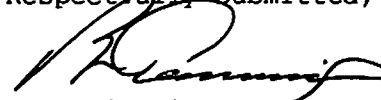
| | | |
|---------------|-------|---------|
| Temperature | 27.0 | deg. C |
| pH | 6.46 | S.U. |
| Conductivity | 1271. | umho/cm |
| Color & Sheen | Color | |

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|-------------------------------|--------|-------|-----------|--------------|-----------------------|-------|
| Total Dissolved Solids | 642. | mg/L | EPA 160.1 | C. Benevides | 05/20/2004 @ 1450 | 10. |
| Alkalinity | 430. | mg/L | EPA 310.1 | T. Heath | 05/24/2004 @ 0835 | 0.5 |
| Chloride | 114. | mg/L | EPA 325.3 | T. Heath | 06/03/2004 @ 1108 | 0.5 |
| Ammonia Nitrogen (NH3-N) | 17.3 | mg/L | EPA 350.1 | J. Cosgrave | 06/01/2004 @ 1515 | 0.04 |
| Nitrite Nitrogen (NO2-N) | 0.01u | mg/L | EPA 353.2 | J. Cosgrave | 05/18/2004 @ 1935 | 0.01 |
| Nitrate Nitrogen (NO3-N) | 0.02 | mg/L | Calc. | J. Cosgrave | 05/24/2004 @ 1140 | 0.02 |
| Nitrate + Nitrite N (NO2+NO3) | 0.02 | mg/L | EPA 353.2 | J. Cosgrave | 05/24/2004 @ 1140 | 0.02 |
| Antimony | 0.003u | mg/L | EPA 204.2 | D. Morton | 06/29/2004 @ 1329 | 0.003 |
| Arsenic | 0.007 | mg/L | EPA 206.3 | D. Murto | 06/11/2004 @ 1254 | 0.005 |
| Barium | 0.08 | mg/L | EPA 208.1 | J. Mansell | 06/23/2004 @ 0740 | 0.02 |
| Beryllium | 0.001u | mg/L | EPA 210.2 | D. Morton | 07/09/2004 @ 0939 | 0.001 |
| Cadmium | 0.003 | mg/L | EPA 213.1 | J. Mansell | 07/07/2004 @ 0724 | 0.002 |
| Chromium | 0.005u | mg/L | EPA 218.2 | D. Morton | 06/04/2004 @ 1548 | 0.005 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,



Bruce Cummings
Laboratory Director

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33876

(800) 833-4022

FDOH# E85458, FDEP QAP# 880516

(863) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

07/27/2004
Page 2 of 5

Laboratory Number: 210792

Project: Hardee County
Location: Landfill
Sample ID: Manhole leachate
Sampled By: E. McCarta on 05/17/2004 @ 1025
Received: 05/17/2004 @ 1620

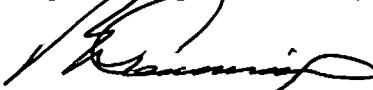
REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|----------------------|--------|-------|-----------|------------|-----------------------|-------|
| Cobalt | 0.05u | mg/L | EPA 6010 | E84098 | 06/01/2004 @ 1120 | 0.05 |
| Copper | 0.01u | mg/L | EPA 220.1 | J. Mansell | 06/14/2004 @ 0934 | 0.01 |
| Iron | 20.4 | mg/L | EPA 236.1 | J. Mansell | 06/15/2004 @ 1245 | 0.02 |
| Lead | 0.003 | mg/L | EPA 239.2 | D. Morton | 05/25/2004 @ 0954 | 0.001 |
| Mercury | 0.001u | mg/L | EPA 245.1 | D. Murto | 06/09/2004 @ 1544 | 0.001 |
| Nickel | 0.02 | mg/L | EPA 249.1 | J. Mansell | 06/21/2004 @ 1438 | 0.01 |
| Selenium | 0.005u | mg/L | EPA 270.2 | D. Morton | 06/28/2004 @ 1106 | 0.005 |
| Silver | 0.001u | mg/L | EPA 272.2 | D. Morton | 06/23/2004 @ 1709 | 0.001 |
| Sodium | 77. | mg/L | EPA 273.1 | J. Mansell | 06/02/2004 @ 1546 | 1.0 |
| Thallium | 0.002u | mg/L | EPA 279.2 | D. Morton | 06/30/2004 @ 1015 | 0.002 |
| Vanadium | 0.01u | mg/L | EPA 6010 | E84098 | 06/01/2004 @ 1120 | 0.01 |
| Zinc | 0.032 | mg/L | EPA 289.1 | J. Mansell | 06/22/2004 @ 0920 | 0.002 |
| Acetone | 2.5u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 2.5 |
| Acrylonitrile | 1.50u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 1.50 |
| Benzene | 1.09 | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.04 |
| Bromochloromethane | 0.5u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.5 |
| Bromodichloromethane | 0.08u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.08 |
| Tribromomethane | 0.12u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.12 |
| Carbon Disulfide | 4.1u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 4.1 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,



Bruce Cummings
Laboratory Director

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33876

(800) 833-4022

FDOH# E85458, FDEP QAP# 880516

(863) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

07/27/2004
Page 3 of 5

Laboratory Number: 210792

Project: Hardee County
Location: Landfill
Sample ID: Manhole leachate
Sampled By: E. McCarta on 05/17/2004 @ 1025
Received: 05/17/2004 @ 1620

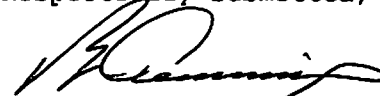
REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|-----------------------------|--------|-------|----------|---------|-----------------------|------|
| Carbon Tetrachloride | 0.21u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.21 |
| Chlorobenzene | 0.04u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.04 |
| Chloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.10 |
| Trichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.03 |
| Dibromochloromethane | 0.05u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.05 |
| 1,2-Dibromo-3-Chloropropane | 0.5u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.5 |
| 1,2-Dibromoethane | 0.5u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.5 |
| 1,2-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.03 |
| 1,4-Dichlorobenzene | 0.03u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.03 |
| t-1,4-Dichloro-2-Butene | 10.0u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 10.0 |
| 1,1-Dichloroethane | 0.03u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.03 |
| 1,2-Dichloroethane | 0.02u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.02 |
| 1,1-Dichloroethene | 0.12u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.12 |
| cis-1,2-Dichloroethene | 1.18 | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.10 |
| trans-1,2-Dichloroethene | 0.06u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.06 |
| 1,2-Dichloropropane | 0.04u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.04 |
| cis-1,3-Dichloropropene | 0.05u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.05 |
| trans-1,3-Dichloropropene | 0.04u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.04 |
| Ethylbenzene | 0.79 | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.06 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,



Bruce Cummings
Laboratory Director

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South
Sebring, Florida 33876
(800) 833-4022 FDOH# E85458, FDEP QAP# 880516 (863) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

07/27/2004
Page 4 of 5

Laboratory Number: 210792

Project: Hardee County
Location: Landfill
Sample ID: Manhole leachate
Sampled By: E. McCarta on 05/17/2004 @ 1025
Received: 05/17/2004 @ 1620

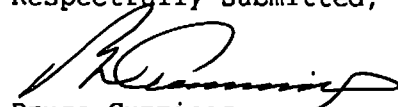
REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|---------------------------|--------|-------|----------|---------|-----------------------|------|
| 2-Hexanone | 5.0u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 5.0 |
| Bromomethane | 0.11u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.11 |
| Chloromethane | 0.13u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.13 |
| Dibromomethane | 0.3u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.3 |
| Dichloromethane | 0.03u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.03 |
| 2-Butanone | 5.0u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 5.0 |
| Iodomethane | 0.5u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.5 |
| 4-Methyl-2-Pentanone | 5.0u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 5.0 |
| Styrene | 1.0u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 1.0 |
| 1,1,1,2-Tetrachloroethane | 0.1u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.1 |
| 1,1,2,2-Tetrachloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.04 |
| Tetrachloroethene | 0.14u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.14 |
| Toluene | 0.11u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.11 |
| 1,1,1-Trichloroethane | 0.04u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.04 |
| 1,1,2-Trichloroethane | 0.10u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.10 |
| Trichloroethene | 0.19u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.19 |
| Trichlorofluoromethane | 0.08u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.08 |
| 1,2,3-Trichloropropane | 0.3u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.3 |
| Vinyl Acetate | 10.0u | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 10.0 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,



Bruce Cummings
Laboratory Director

SHORT ENVIRONMENTAL LABORATORIES, INC.

10405 US 27 South

Sebring, Florida 33876

(800) 833-4022

FDOH# E85458, FDEP QAP# 880516

(863) 655-4022

For: Hardee County
Solid Waste Department
685 Airport Road
Wauchula, FL 33873-
Attn: J.R. Prestridge

07/27/2004
Page 5 of 5

Laboratory Number: 210792

Project: Hardee County
Location: Landfill
Sample ID: Manhole leachate
Sampled By: E. McCarta on 05/17/2004 @ 1025
Received: 05/17/2004 @ 1620

REPORT OF ANALYSIS

LABORATORY DATA

| Parameter | Result | Units | Method | Analyst | Date/Time of Analysis | MDL |
|----------------|--------|-------|----------|---------|-----------------------|------|
| Vinyl Chloride | 3.36 | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.17 |
| Xylenes | 1.79 | ug/L | EPA 8260 | E84098 | 05/20/2004 @ 0000 | 0.11 |

u = Parameter was analyzed for but not detected

Respectfully Submitted,



Bruce Cummings
Laboratory Director

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 05/17/04 @ 1025

Test Site ID #: 4025A

Report Period: 01/01/04 to 06/30/04

Well Name: Leachate

Well Purged (Y/N): Yes

Well Type: Background Intermediate Compliance Other

Classification of Groundwater: G-II

Groundwater Elevation (MSL): ft.

x

Other

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | | Detection Limits/Units |
|------------------------|----------------------------------|-----------------|--------------------|-----------------|--------------------|------------------------|----------|------------------------|
| | | | | | | | | |
| 000094 | Temperature (field) | Pump | No | EPA 170.1 | 05/17/04 @ 1407 | 27.0 | C | NA |
| 004060 | pH (field) | Pump | No | EPA 150.1 | 05/17/04 @ 1407 | 6.46 | S.U. | NA |
| 000299 | Specific Conductivity (field) | Pump | No | EPA 120.1 | 05/17/04 @ 1407 | 1271. | umhos/cm | 1. umhos/cm |
| 082078 | Dissolved Oxygen (field) | Pump | No | EPA 360.1 | 05/17/04 @ 1407 | | mg/L | 0.1 mg/L |
| 085326 | Colors & Sheens (by observation) | Pump | No | EPA | 05/17/04 @ 1407 | Color | NA | NA |
| 000610 | Total Ammonia -N | Pump | No | EPA 350.1 | 06/01/04 @ 1515 | 17.3 | mg/L | 0.04 mg/L |
| 000410 | Bicarbonate | Pump | No | EPA 310.1 | 05/24/04 @ 0835 | 430. | mg/L | 0.5 mg/L |
| 000940 | Chlorides | Pump | No | EPA 325.3 | 06/03/04 @ 1108 | 114. | mg/L | 0.5 mg/L |
| 001045 | Iron | Pump | No | EPA 236.1 | 06/15/04 @ 1245 | 20.4 | mg/L | 0.02 mg/L |
| 071900 | Mercury | Pump | No | EPA 245.1 | 06/09/04 @ 1544 | < 0.001 | mg/L | 0.001 mg/L |
| 000620 | Nitrate | Pump | No | EPA 353.2 | 05/24/04 @ 1140 | 0.02 | mg/L | 0.02 mg/L |
| 000929 | Sodium | Pump | No | EPA 273.1 | 06/03/04 @ 1047 | 77. | mg/L | 1.0 mg/L |
| 070300 | Total Dissolved Solids (TDS) | Pump | No | EPA 160.1 | 05/20/04 @ 1450 | 642. | mg/L | 10. mg/L |
| Appendix I - Inorganic | | | | | | | | |
| 001097 | Antimony | Pump | No | EPA 204.2 | 06/17/04 @ 1430 | < 0.003 | mg/L | 0.003 mg/L |
| 001002 | Arsenic | Pump | No | EPA 206.3 | 06/11/04 @ 1203 | 0.007 | mg/L | 0.005 mg/L |
| 001007 | Barium | Pump | No | EPA 208.1 | 06/23/04 @ 0742 | 0.08 | mg/L | 0.02 mg/L |
| 001012 | Beryllium | Pump | No | EPA 210.2 | 06/07/04 @ 1436 | < 0.001 | mg/L | 0.001 mg/L |
| 001027 | Cadmium | Pump | No | EPA 213.1 | 07/06/04 @ 1418 | 0.003 | mg/L | 0.002 mg/L |
| 001034 | Chromium | Pump | No | EPA 218.2 | 06/25/04 @ 0904 | < 0.005 | mg/L | 0.005 mg/L |
| 001037 | Cobalt | Pump | No | EPA 6010 | 06/01/04 @ 1133 | < 0.05 | mg/L | 0.05 mg/L |
| 001042 | Copper | Pump | No | EPA 220.1 | 06/14/04 @ 0939 | < 0.01 | mg/L | 0.01 mg/L |
| 001051 | Lead | Pump | No | EPA 239.2 | 05/25/04 @ 0954 | 0.003 | mg/L | 0.001 mg/L |
| 001067 | Nickel | Pump | No | EPA 249.1 | 06/21/04 @ 1439 | 0.02 | mg/L | 0.01 mg/L |
| 001147 | Selenium | Pump | No | EPA 270.2 | 06/28/04 @ 1106 | < 0.005 | mg/L | 0.005 mg/L |
| 001077 | Silver | Pump | No | EPA 272.2 | 05/26/04 @ 1046 | < 0.001 | mg/L | 0.001 mg/L |
| 001059 | Thallium | Pump | No | EPA 279.2 | 06/30/04 @ 1015 | < 0.002 | mg/L | 0.002 mg/L |
| 001087 | Vanadium | Pump | No | EPA 6010 | 06/01/04 @ 1133 | < 0.01 | mg/L | 0.01 mg/L |
| 001092 | Zinc | Pump | No | EPA 289.1 | 06/22/04 @ 0921 | 0.032 | mg/L | 0.002 mg/L |
| Appendix I - Organic | | | | | | | | |
| 081552 | Acetone | Pump | No | EPA 8260 | 06/01/04 | < 2.5 | ug/L | 2.5 ug/L |
| 034215 | Acrylonitrile | Pump | No | EPA 8260 | 06/01/04 | < 1.50 | ug/L | 1.50 ug/L |
| 034030 | Benzene | Pump | No | EPA 8260 | 06/01/04 | 1.09 | ug/L | 0.04 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 05/17/04 @ 1025

Test Site ID #: 4025A

Report Period: 01/01/04 to 06/30/04

Well Name: Leachate

Well Purged (Y/N): Yes

Well Type: Background Intermediate Compliance Other

Classification of Groundwater: G-II

Groundwater Elevation (MSL): _____ ft. _____ x _____

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | | Detection Limits/Units |
|-------------|------------------------------------|-----------------|--------------------|-----------------|--------------------|------------------------|------|------------------------|
| 073085 | Bromochloromethane | Pump | No | EPA 8260 | 06/01/04 | < 0.5 | ug/L | 0.5 ug/L |
| 032101 | Bromodichloromethane | Pump | No | EPA 8260 | 06/01/04 | < 0.08 | ug/L | 0.08 ug/L |
| 032104 | Bromoform | Pump | No | EPA 8260 | 06/01/04 | < 0.12 | ug/L | 0.12 ug/L |
| 046372 | Carbon disulfide | Pump | No | EPA 8260 | 06/01/04 | < 4.1 | ug/L | 4.1 ug/L |
| 032102 | Carbon tetrachloride | Pump | No | EPA 8260 | 06/01/04 | < 0.21 | ug/L | 0.21 ug/L |
| 034301 | Chlorobenzene | Pump | No | EPA 8260 | 06/01/04 | < 0.04 | ug/L | 0.04 ug/L |
| 034311 | Chloroethane | Pump | No | EPA 8260 | 06/01/04 | < 0.10 | ug/L | 0.10 ug/L |
| 032106 | Chloroform | Pump | No | EPA 8260 | 06/01/04 | < 0.03 | ug/L | 0.03 ug/L |
| 032105 | Dibromochloromethane | Pump | No | EPA 8260 | 06/01/04 | < 0.05 | ug/L | 0.05 ug/L |
| 037860 | 1,2-Dibromo-3-chloropropane (DBCP) | Pump | No | EPA 8260 | 06/01/04 | < 0.5 | ug/L | 0.5 ug/L |
| 046369 | 1,2-Dibromoethane | Pump | No | EPA 8260 | 06/01/04 | < 0.5 | ug/L | 0.5 ug/L |
| 034536 | o-Dichlorobenzene | Pump | No | EPA 8260 | 06/01/04 | < 0.03 | ug/L | 0.03 ug/L |
| 034571 | p-Dichlorobenzene | Pump | No | EPA 8260 | 06/01/04 | < 0.03 | ug/L | 0.03 ug/L |
| 077268 | trans-1,4-Dichloro-2-butene | Pump | No | EPA 8260 | 06/01/04 | < 10.0 | ug/L | 10.0 ug/L |
| 034496 | 1,1-Dichloroethane | Pump | No | EPA 8260 | 06/01/04 | < 0.03 | ug/L | 0.03 ug/L |
| 034531 | 1,2-Dichloroethane | Pump | No | EPA 8260 | 06/01/04 | < 0.02 | ug/L | 0.02 ug/L |
| 034501 | 1,1-dichloroethylene | Pump | No | EPA 8260 | 06/01/04 | < 0.12 | ug/L | 0.12 ug/L |
| 077093 | cis-1,2-Dichloroethylene | Pump | No | EPA 8260 | 06/01/04 | 1.18 | ug/L | 0.10 ug/L |
| 034546 | trans-1,2-Dichloroethylene | Pump | No | EPA 8260 | 06/01/04 | < 0.06 | ug/L | 0.06 ug/L |
| 034541 | 1,2-Dichloropropane | Pump | No | EPA 8260 | 06/01/04 | < 0.04 | ug/L | 0.04 ug/L |
| 034704 | cis-1,3-Dichloropropane | Pump | No | EPA 8260 | 06/01/04 | < 0.05 | ug/L | 0.05 ug/L |
| 034699 | trans-1,3-Dichloropropane | Pump | No | EPA 8260 | 06/01/04 | < 0.04 | ug/L | 0.04 ug/L |
| 034371 | Ethylbenzene | Pump | No | EPA 8260 | 06/01/04 | 0.79 | ug/L | 0.06 ug/L |
| 077103 | 2-Hexanone | Pump | No | EPA 8260 | 06/01/04 | < 5.0 | ug/L | 5.0 ug/L |
| 034413 | Methyl bromide | Pump | No | EPA 8260 | 06/01/04 | < 0.11 | ug/L | 0.11 ug/L |
| 034418 | Methyl chloride | Pump | No | EPA 8260 | 06/01/04 | < 0.13 | ug/L | 0.13 ug/L |
| 046361 | Methylene bromide | Pump | No | EPA 8260 | 06/01/04 | < 0.3 | ug/L | 0.3 ug/L |
| 034423 | Methylene chloride | Pump | No | EPA 8260 | 06/01/04 | < 0.03 | ug/L | 0.03 ug/L |
| 081595 | Methyl ethyl ketone | Pump | No | EPA 8260 | 06/01/04 | < 5.0 | ug/L | 5.0 ug/L |
| 077424 | Methyl iodide | Pump | No | EPA 8260 | 06/01/04 | < 0.5 | ug/L | 0.5 ug/L |
| 078133 | 2-Methyl-2-pentanone | Pump | No | EPA 8260 | 06/01/04 | < 5.0 | ug/L | 5.0 ug/L |
| 077128 | Styrene | Pump | No | EPA 8260 | 06/01/04 | < 1.0 | ug/L | 1.0 ug/L |
| 077562 | 1,1,1,2-Tetrachloroethane | Pump | No | EPA 8260 | 06/01/04 | < 0.1 | ug/L | 0.1 ug/L |
| 034516 | 1,1,2,2-Tetrachloroethane | Pump | No | EPA 8260 | 06/01/04 | < 0.04 | ug/L | 0.04 ug/L |
| 034475 | Tetrachloroethylene | Pump | No | EPA 8260 | 06/01/04 | < 0.14 | ug/L | 0.14 ug/L |
| 034010 | Toluene | Pump | No | EPA 8260 | 06/01/04 | < 0.11 | ug/L | 0.11 ug/L |
| 034506 | 1,1,1-Trichloroethane | Pump | No | EPA 8260 | 06/01/04 | < 0.04 | ug/L | 0.04 ug/L |

PART III ANALYTICAL RESULTS

Facility GMS #: 4025C30001

Sampling Date/Time: 05/17/04 @ 1025

Test Site ID #: 4025A

Report Period: 01/01/04 to 06/30/04

Well Name: Leachate

Well Purged (Y/N): Yes

Well Type:
 Background
 Intermediate
 Compliance
 Other

Classification of Groundwater: G-II

Groundwater Elevation (MSL): _____ ft.

x

| STORET Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | | Detection Limits/Units |
|-------------|------------------------|-----------------|--------------------|-----------------|--------------------|------------------------|------|------------------------|
| | | | | | | | | |
| 034511 | 1,1,2-Trichloroethane | Pump | No | EPA 8260 | 06/01/04 | < 0.10 | ug/L | 0.10 ug/L |
| 039180 | Trichloroethylene | Pump | No | EPA 8260 | 06/01/04 | < 0.19 | ug/L | 0.19 ug/L |
| 034488 | Trichlorofluoromethane | Pump | No | EPA 8260 | 06/01/04 | < 0.08 | ug/L | 0.08 ug/L |
| 077443 | 1,2,3-Trichloropropane | Pump | No | EPA 8260 | 06/01/04 | < 0.3 | ug/L | 0.3 ug/L |
| 077057 | Vinyl acetate | Pump | No | EPA 8260 | 06/01/04 | < 10.0 | ug/L | 10.0 ug/L |
| 039175 | Vinyl chloride | Pump | No | EPA 8260 | 06/01/04 | 3.36 | ug/L | 0.17 ug/L |
| 034020 | Xylenes | Pump | No | EPA 8260 | 06/01/04 | 1.79 | ug/L | 0.11 ug/L |

SEMI-ANNUAL

SHORT ENVIRONMENTAL LABORATORIES

10405 US 27 S
 SEBRING, FL 33876
 (863) 655-4022 (800) 833-4022
 FAX: (863) 655-5820

| LABORATORY ANALYSES | | | | | | | | | | | | | | |
|---------------------|-------|-------|-------|---------|-------|--|--|--|--|--|--|--|--|--|
| 10 GAL | 250 N | 1 L M | | 3 VIALS | 250 M | | | | | | | | | |
| | | Sb/GF | Pb/GF | | | | | | | | | | | |
| | | As/H | Hg | | | | | | | | | | | |
| | | Ba | Se/GF | | | | | | | | | | | |
| | | Be/GF | Ni | | | | | | | | | | | |
| | | Cd | Ag | | | | | | | | | | | |
| | | Cr/GF | Na | | | | | | | | | | | |
| | | Cu | Ti | | | | | | | | | | | |
| | | Fe | Zn | | | | | | | | | | | |
| | | | | APP I | Co | | | | | | | | | |
| | | | | VOC | V | | | | | | | | | |

| | |
|---|--|
| SAMPLER'S NAME: (PLEASE PRINT) <i>E. McCanta</i> | CLIENT NAME: HARDEE COUNTY SOLID WASTE #77 |
| SAMPLER'S SIGNATURE: <i>E. McCanta</i> | PROJECT: HCSW LOCATION: LANDFILL |

| FIELD ID# | SAMPLE ID | DATE | TIME | SAMP TYPE | WELL | GRAB | LABORATORY ID# | # OF CONT | ALK | FDS | CL | NO2 | NH3 | NO1 | NO3 | Sb/GF | Pb/GF | As/H | Hg | Se/GF | Ni | Be/GF | Cd | Ag | Cr/GF | Na | Ti | Zn | APP I | Co | V | VOC | | | | | | |
|-----------|------------------|---------|------|-----------|------|------|----------------|-----------|-----|-----|----|-----|-----|-----|-----|-------|-------|------|----|-------|----|-------|----|----|-------|----|----|----|-------|----|---|-----|--|--|--|--|--|--|
| 0517A1-7 | Manhole LEACHATE | 5/17/04 | 1025 | WW | | X | 210792 | 1 | X | | | | X | | | X | | | | | | | | X | | | | | | | | X | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NUTRIENT CONTAINERS PRESERVED, H2SO4
 METALS CONTAINER PRESERVED, HNO3
 VIALS PRESERVED, HCL
 Cu/H2S PRESERVED, NaOH/Zn(AC)
 ICED TO 4 DEGREES C

41528

| YES | NO |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| SAMPLE QTY* | RELINQUISHED BY: | ACCEPTED BY: | DATE: | TIME: |
|-------------|-------------------|--------------------|---------|----------|
| 1 | <i>E. McCanta</i> | <i>[Signature]</i> | 5-17-04 | 11:16:20 |
| | | | | |

| | |
|----------|------|
| DEPARTED | 0910 |
| ARRIVED | 0950 |
| DEPARTED | |
| ARRIVED | |

CHAIN OF CUSTODY AND TRANSMITTAL FORM