

**HARDEE COUNTY**  
BOARD OF COUNTY COMMISSIONERS  
**PUBLIC WORKS DEPARTMENT**  
74 Hanchey Road  
Wauchula, Florida 33873-2867

Buildings & Grounds  
Parks & Recreation  
Purchasing  
Road & Bridge  
Solid Waste

40612

~~83/60~~

4025C30001

5025-214306

August 30, 1989

Department of Environmental Regulation  
4520 Oak Fair Blvd.  
Tampa, Florida 33610-7347 ✓

D.E.R.

SEP - 6 1989

SOUTHWEST DISTRICT  
TAMPA

Re: Water Quality Analysis  
Quarterly Reports

Dear Mr. Ford:

Enclosed you will find, water sample analysis reports, I received from Envirolab. These samples are for the Hardee County Sanitary Landfill. The samples were taken on ~~June 8, 1989~~ are hereby submitted to your for your records.

Thank You,

J. R. Prestridge  
Solid Waste Superintendent

JRP/jl

Enc.



1042 U.S. Highway 1 • P.O. Box 607  
Ormond Beach, Florida 32074 • (904) 672-5668

Drinking Water Certification  
HRS #83160

Environmental Certification  
HRS #E83079

HARDEE COUNTY  
DEPARTMENT OF PUBLIC  
74 HANCHEY RD.  
WAUCHULA FL 33873  
ATTN: J.R. PRESTRIDGE

4025AL

Description: 8 WATER SAMPLES Samples Received on 06/08/89

Sampled By: ENVIROLAB

Client Job/PO Number:

Reference Number: 893525

Reported Date : 08/07/89

Invoice Number: 89-3525

Sample	Description	Client Id							
0001	7FT. 3IN. TIME 11:20	MW-1							
0002	10FT. 1IN. TIME 10:50	MW-3							
0003	9FT. 3IN. TIME 12:10	MW-4							
0004	12FT. 8IN. TIME 11:10	MW-5							
0005	8FT. 5IN. TIME 10:30	MW-6							
0006	8FT. 6IN. TIME 10:40	MW-7							
0007	TIME 12:30	SPRAY LEACHATE							
0008	7FT. 9IN. TIME 10:00	MW-2							
		#1	#3	#4	#5	#6	#7	Leachate	#2
		4570	4571	4572	73	74	75	5351	4570
PARAMETER		70001	0002	0003	0004	0005	0006	0007	0008
BICARBONATE AS MG CaCO3/L	MG/L	80.72 8.0	77.67 30	77.91 9.0	76.07 16	74.52 38	74.01 7.0		78.11
CHLORIDE	MG/L	44	17	35	18	44	40		
DISSOLVED OXYGEN	MG/L							1.2	
FIELD CONDUCTIVITY	UMHDS	275	155	239	151	235	210	410	
IRON BY FLAME	MG/L	16	7.2	16	5.2	9.9	10	3.2	
LEAD BY FLAME	MG/L	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MANGANESE BY FLAME	MG/L	0.034	0.036	0.018	0.032	0.036	0.019		
NITRATE NITROGEN	MG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
PH FIELD	UNITS	5.74	5.64	5.8	5.78	5.74	4.59	6.51	
PH LAB	UNITS	5.8	6.6	5.6	6.3	6.3	5.2		
SODIUM BY FLAME	MG/L	14	5.2	7.4	6.2	14	7.1		
SULFATE	MG/L	27	15	64	11	3.7	18		



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Reference Number: 893525

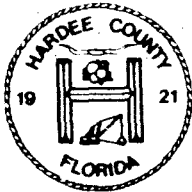
Page: 2

PARAMETER	SAMPLE NUMBER							
	0001	0002	0003	0004	0005	0006	0007	0008
TOTAL COLIFORM	#/100						TNTC	
TOTAL DISSOLVED SOLIDS	MG/L	220	84	160	82	130	120	
TOTAL ORGANIC CARBON	MG/L	35	13	30	5.6	6.1	14	
TURBIDITY	NTU						56	
WATER LEVEL (MSL)	FEET	80.72	77.67	77.91	76.09	79.52	79.01	78.11

APPROVED BY:

MICHAEL C. PRICE  
LABORATORY MANAGER

Ford



**HARDEE COUNTY**  
BOARD OF COUNTY COMMISSIONERS  
**PUBLIC WORKS DEPARTMENT**  
74 Hanchey Road  
Wauchula, Florida 33873-2867

Buildings & Grounds  
Parks & Recreation  
Purchasing  
Road & Bridge  
Solid Waste

*[Handwritten signature]*

40612  
4025030001  
5025-214306 *[Handwritten]*

✓

83160

May 1, 1989

D. E. R.

Department of Environmental Regulation  
4520 Oak Fair Blvd.  
Tampa, Florida 33610-7347

MAY - 3 1989

SOUTHWEST DISTRICT  
TAMPA

Re: Water Quality Analysis  
Quarterly Reports

Dear Mr. Ford:

Enclosed you will find, water sample analysis reports, I received from Envirolab. These samples are for the Hardee County Sanitary Landfill. The samples were taken on March 27, 1989 and are hereby submitted to you, for your records.

Thank You,

*[Handwritten signature of J. R. Prestridge]*

J. R. Prestridge  
Solid Waste Superintendent

JRP/j1

ENC.

HARDEE COUNTY SPRAY FIELD  
 (Rule 17-3.402, 17-3.404 - 17-3.406)

83/60

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

Monitoring Well # \_\_\_\_\_

Well Name Spray field

Classification of Groundwater GII

Well Developed Prior to  
 Sample Collection (Yes/No) N/A

4025A

15351

Sample Date 3/27/89

- Well Type:  Background  
 Site Boundary  
 Intermediate  
 Compliance

Ground Water Elevation  
 (above MSL) \_\_\_\_\_

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filt/Unfilt	Preservatives Added
00094	Conductivity	Pump ↓	120.1	510	umhos	Unfiltered ↓	field
00299	Dissolved Oxygen		360.1	4.2	mg/l		field
900219	Iron		236.1	5.5	mg/l		pH<2HNO3
900212	Lead		239.1	<0.02	mg/l		pH<2HNO3
00400	pH		150.1	7.0	units		cool 4°C
31501	Total Coliform		M.F.	TNTC	#/100		cool 4°C
00680	Total Organic Carbon	↓	415.1	14	mg/l	pH<2HCL	
00076	Turbidity		180.1	30	NTU	cool 4°C	



Laboratory Contact

HARDEE COUNTY LANDFILL QUARTERLY REPORT  
 (Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4025C30001

Sample Date 3/27/89

Monitoring Well # 4025A14575

Well Type: [ ] Background  
 [ ] Site Boundary  
 [ ] Intermediate  
 [x] Compliance

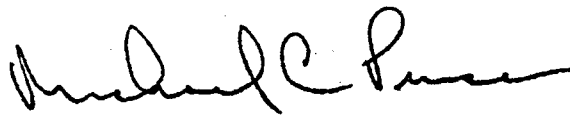
Well Name MW-7

Classification of Groundwater GII

Well Developed Prior to  
 Sample Collection (Yes/No) Yes

Ground Water Elevation  
 (above MSL) \_\_\_\_\_

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filt/Unfilt	Preservatives Added
00430	bicarb	pump	310.1	3	mg/l	Unfiltered	cool 4°C
00940 ✓	chloride	↓	325.3	36	mg/l	↓	cool 4°C
00094 ✓	conductivity	↓	120.1	160	umhos	↓	field
900219	iron	↓	236.1	10	mg/l	↓	pH<2HNO3
900220	manganese	↓	243.1	0.012	mg/l	↓	pH<2HNO 3
00620 ✓	nitrate	↓	353.2	<0.5	mg/l	↓	pH<2H2SO4
00929 ✓	sodium	↓	273.1	6.1	mg/l	↓	pH<2HNO3
900212	lead	↓	239.1	<0.02	mg/l	↓	pH<2HNO3
00400 ✓	pH	↓	150.1	4.9	St. un.	↓	field
00945 ↓	sulfate	↓	375.2	16	mg/l	↓	cool 4°C
90304 ✓	total diss. solids	↓	160.1	110	mg/l	↓	cool 4°C
00010 ✓	temperature	↓	170.1	23	°C	↓	Field
00680 ✓	total organic carbon	↓	415.1	4.4	mg/l	↓	pH<2HCL
82545 ↓	water level	tape	tape	80.80	ft NGVD	↓	Field



Laboratory Contact

HARDEE COUNTY LANDFILL QUARTERLY REPORT  
 (Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4025C30001

Sample Date 3/27/89

Monitoring Well # 4025A14574

Well Type:  Background

Well Name MW-6

Site Boundary

Classification of Groundwater GII

Intermediate

Compliance

Well Developed Prior to  
 Sample Collection (Yes/No) Yes

Ground Water Elevation  
 (above MSL) \_\_\_\_\_

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filt/Unfilt	Preservatives Added
00430	bicarb	pump	310.1	21	mg/l	Unfiltered	cool 4°C
00940 ✓	chloride		325.3	42	mg/l		cool 4°C
00094 ✓	conductivity		120.1	150	umhos		field
900219	iron		236.1	14	mg/l		pH<2HNO3
900220	manganese		243.1	0.040	mg/l		pH<2HNO 3
00620 ✓	nitrate		353.2	<0.5	mg/l		pH<2H2SO4
00929 ✓	sodium		273.1	10	mg/l		pH<2HNO3
900212	lead		239.1	<0.02	mg/l		pH<2HNO3
00400 ✓	pH		150.1	5.7	St. un.		field
00945 ✓	sulfate		375.2	8.6	mg/l		cool 4°C
90304 ✓	total diss. solids		160.1	120	mg/l		cool 4°C
00010 ✓	temperature		170.1	23	°C		Field
00680 ✓	total organic carbon		415.1	1.9	mg/l		pH<2HCL
82545 ✓	water level	tape	tape	81.19	ft NGVD		Field



Laboratory Contact

HARDEE COUNTY LANDFILL QUARTERLY REPORT  
 (Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4025C30001  
 Monitoring Well # 4025A14573  
 Well Name MW-5  
 Classification of Groundwater GII  
 Well Developed Prior to  
 Sample Collection (Yes/No) Yes

Sample Date 3/27/89  
 Well Type: [ ] Background  
 [ ] Site Boundary  
 [ ] Intermediate  
 [x] Compliance  
 Ground Water Elevation  
 (above MSL) \_\_\_\_\_

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filt/Unfilt	Preservatives Added
00430	bicarb	pump	310.1	6	mg/l	Unfiltered	cool 4°C
00940	✓ chloride	↓	325.3	22	mg/l	↓	cool 4°C
00094	✓ conductivity	↓	120.1	80	umhos	↓	field
900219	iron	↓	236.1	13	mg/l	↓	pH<2HNO3
900220	manganese	↓	243.1	0.021	mg/l	↓	pH<2HNO 3
00620	✓ nitrate	↓	353.2	<0.5	mg/l	↓	pH<2H2SO4
00929	✓ sodium	↓	273.1	5.4	mg/l	↓	pH<2HNO3
900212	lead	↓	239.1	0.04	mg/l	↓	pH<2HNO3
00400	✓ pH	↓	150.1	5.0	St. un.	↓	field
00945	✓ sulfate	↓	375.2	13	mg/l	↓	cool 4°C
90304	✓ total diss. solids	↓	160.1	73	mg/l	↓	cool 4°C
00010	✓ temperature	↓	170.1	23	°C	↓	Field
00680	✓ total organic carbon	↓	415.1	5.9	mg/l	↓	pH<2HCL
82545	✓ water level	tape	tape	77.01	ft NGVD	↓	Field

  
 Laboratory Contact



HARDEE COUNTY LANDFILL QUARTERLY REPORT  
 (Rule 17-3.402, 17-3.404 - 17-3.406)

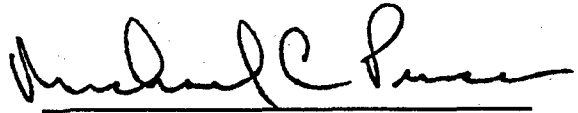
GMS# 4025C30001  
 Monitoring Well # 4025A14572  
 Well Name MW-4  
 Classification of Groundwater GII

Sample Date 3/27/89  
 Well Type:  Background   
 Site Boundary  
 Intermediate  
 Compliance

Well Developed Prior to  
 Sample Collection (Yes/No) Yes

Ground Water Elevation  
 (above MSL) \_\_\_\_\_

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filt/Unfilt	Preservatives Added
00430	bicarb	pump	310.1	<1	mg/l	Unfiltered	cool 4°C
00940 ✓	chloride	↓	325.3	48	mg/l	↓	cool 4°C
00094 ✓	conductivity	↓	120.1	140	umhos	↓	field
900219	iron	↓	236.1	17	mg/l	↓	pH<2HNO3
900220	manganese	↓	243.1	<0.005	mg/l	↓	pH<2HNO 3
00620 ✓	nitrate	↓	353.2	<0.5	mg/l	↓	pH<2H2SO4
00929 ✓	sodium	↓	273.1	7.0	mg/l	↓	pH<2HNO3
900212	lead	↓	239.1	<0.02	mg/l	↓	pH<2HNO3
00400 ✓	pH	↓	150.1	3.9	St. un.	↓	field
00945 ✓	sulfate	↓	375.2	11	mg/l	↓	cool 4°C
90304 ✓	total diss. solids	↓	160.1	180	mg/l	↓	cool 4°C
00010 ✓	temperature	↓	170.1	23	°C	↓	Field
00680 ✓	total organic carbon	↓	415.1	45	mg/l	↓	pH<2HCL
82545 ✓	water level	tape	tape	78.91	ft NGVD	↓	Field

  
 Laboratory Contact

Analyzed by Envirolab  
Certification No. E83079

HARDEE COUNTY LANDFILL QUARTERLY REPORT  
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4025C30001  
Monitoring Well # 4025A14570  
Well Name MW-2  
Classification of Groundwater GII

Sample Date 12/9/88

Well Type: [ ] Background  
[ ] Site Boundary  
[ ] Intermediate  
[x] Compliance

Well Developed Prior to  
Sample Collection (Yes/No) N/A

Ground Water Elevation  
(above MSL) \_\_\_\_\_

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filt/Unfilt	Preservatives Added
82545	Water Level	tape	tape	77.74	ft NGVD	Unfiltered	Field



Laboratory Contact

HARDEE COUNTY LANDFILL QUARTERLY REPORT  
 (Rule 17-3.402, 17-3.404 - 17-3.406)

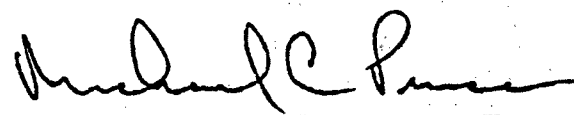
GMS# 4025C30001  
 Monitoring Well # 4025A14569  
 Well Name MW-1  
 Classification of Groundwater GII

Sample Date 3/27/89  
 Well Type:  Background  
 Site Boundary  
 Intermediate  
 Compliance

Well Developed Prior to  
 Sample Collection (Yes/No) Yes

Ground Water Elevation  
 (above MSL) \_\_\_\_\_

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filt/Unfilt	Preservatives Added	
00430	bicarb	pump	310.1	<1	mg/l	Unfiltered	cool 4°C	
00940 ✓	chloride	↓	325.3	49	mg/l		cool 4°C	
00094 ✓	conductivity		120.1	240	umhos		field	
900219	iron		236.1	11	mg/l		pH<2HNO3	
900220	manganese		243.1	0.014	mg/l		pH<2HNO 3	
00620 ✓	nitrate		353.2	<0.5	mg/l		pH<2H2SO4	
00929 ✓	sodium		273.1	15	mg/l		pH<2HNO3	
900212	lead		239.1	<0.02	mg/l		pH<2HNO3	
00400 ✓	pH		150.1	4.4	St. un.		field	
00945 ✓	sulfate		375.2	37	mg/l		cool 4°C	
90304 ✓	total diss. solids		tape	160.1	240		mg/l	cool 4°C
00010 ✓	temperature			170.1	23		°C	Field
00680 ✓	total organic carbon			415.1	38		mg/l	pH<2HCL
82545 ✓	water level			tape	80.97		ft NGVD	Field

  
 Laboratory Contact