405/M30035

PASCO COUNTY, FLORIDA

WACS 45799
1st SEMI-ANNUAL 1998 GWMR CIII

DADE CITY (352) 511-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8145

UTILITIES SERVICES BRANCH
PUB. WKS./UTILITIES BLDG. S-213
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

26 Jun 1998

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

RE: West Pasco Class III Landfill
Groundwater Monitoring
Semester I, 1998

Dear Ms. Amram:

Enclosed please find the groundwater monitoring analyses from monitoring wells 2MW3A, 2MW7, 2MW8, 2MW9, 2MW10, 4MW3A, 4MW7, 4MW8, and 4MW9 at the West Pasco Class III landfill for the first semester (Jan-Jun) sampling period. These wells were analyzed for the parameters listed in 62-701(8)(a) Florida Administrative Code. All associated Quality Assurance/Quality Control data is also included for all analyses.

Groundwater monitoring well 4MW3A exceeded the MCL for TDS and 4MW9 exceeded the MCL for Nickel. Additionally, several wells were positive for cobalt and vanadium which do not have MCL's. They are however, included on the exceedence summary table for easy reference. Finally, a groundwater summary table and a groundwater contour map for this site are included with this submittal.

If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1
cc: Chongman Lee, Florida Department of Environmental Protection, Waste Management Section, Twin Towers Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400
Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager

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DEP Form # 62-522.900(2)
Form Title GROUND WATER MONITORING REPORT
Effective Date
DEP Application No.

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 Hays Road Class III Landfill

Address 1275 Hays Road

City Spring Hill, FL Zip 34610

Telephone Number ( )

(2) The GMS Identification Number 4051M30035

(3) DEP Permit Number SO51-182279

(4) Authorized Representative Name Candia E. Mulhern

Address 8864 Government Drive

City New Port Richey, FL Zip 34654

Telephone Number (813) 847-8902

(5) Type of Discharge Landfill

(6) Method of Discharge Unknown

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Date: 27 MAY 1998 Candia E. Mulhern

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

Analytical Lab Comp QAP #/HRS Certification # 870167 G/7 54237, E44123

*Comp QAP #/HRS Certification # 870202 G Potable BTL #1-86137 & 86418 Env. 86035

Lab Name Pasco County Environmental Laboratory

Address 8864 Government Drive, New Port Richey, FL 34654

Phone Number (813) 847-8902

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FIRST COAST ENVIRONMENTAL LABORATORY, INC.

DEP Form # 62-522.900(2)
Form Title GROUND WATER MONITORING REPORT
Effective Date
DEP Application No.

BROWARD LAB # 1062289 - 999 FCEL LAB # 9801-201

Florida Department of Environmental Protection
Twin Towers Office Bldg. -- 2600 Blair Rd., Tallahassee, FL 32399-2400
GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

PART I - GENERAL INFORMATION

(1) Facility Name: West Pasco Class III Landfill
Address: Hays Rd
City, State, Zip:
Telephone Number:

(2) The GMS Identification #:

(3) DEP Permit #:

(4) Authorized Representative Name:
Address:
City, State, Zip:
Telephone Number:

(5) Type of Discharge: Groundwater

(6) Method of Discharge: Unknown

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

27 MAY 1998 Cecilia E. Nolle
Date: Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

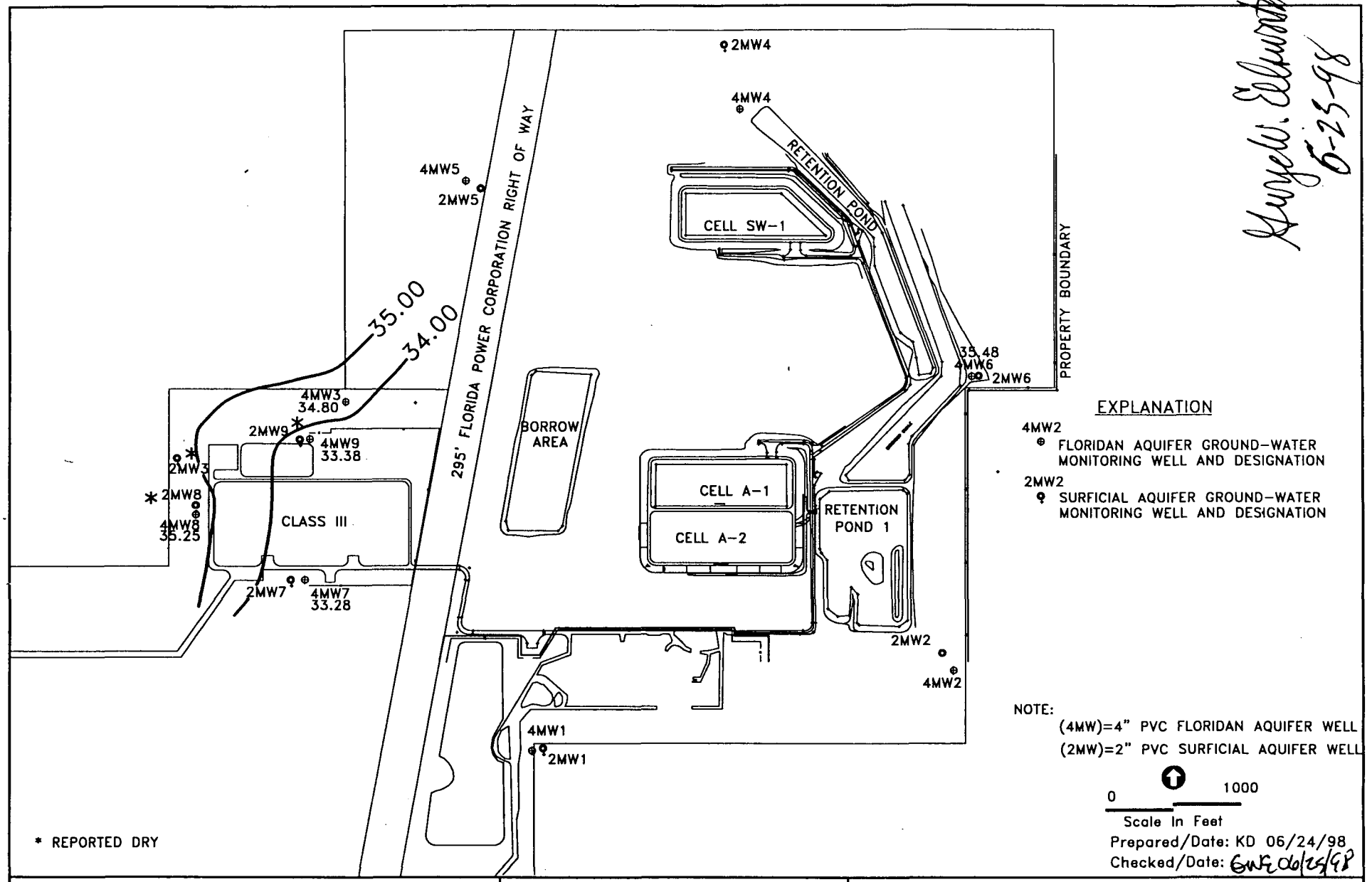
Sample Organization Comp QAP #
Analytical Lab Comp QAP # / HRS Cert. # 870222 / E82102 / 82110
Comp QAP # / HRS Cert. #
Lab Name: BROWARD TESTING LABORATORY
Address: 4416 N.E. 11TH AVENUE
City, State, Zip: FT. LAUDERDALE, FLORIDA 33334
Telephone Number: 1-216/449-2525

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8818 Arlington Expressway • Jacksonville, Florida 32211
(904) 725-4847 • Fax (904) 725-2215

WEST PASCO CLASS III LANDFILL
EXCEEDED ANALYTES
SEMESTER I - 1998

WELL	ANALYTE	RESULT (mg/L)	RESAMPLE (mg/L)
4MW3A	COBALT	0.0048	NONE
	VANADIUM	0.013	NONE
	TDS	1020	NONE
4MW7	COBALT	0.037	NONE
	VANADIUM	0.020	NONE
4MW8	COBALT	0.057	NONE
4MW9	COBALT	0.066	NONE
	NICKEL	0.151	NONE
	VANADIUM	0.033	NONE



Prepared/Date: KD 06/24/98
Checked/Date: GWF 06/25/98

ACAD=41508692

West Pasco Class III Landfill
Pasco County
Board of County Commissioners
Utility Services Branch
Pasco County, Florida

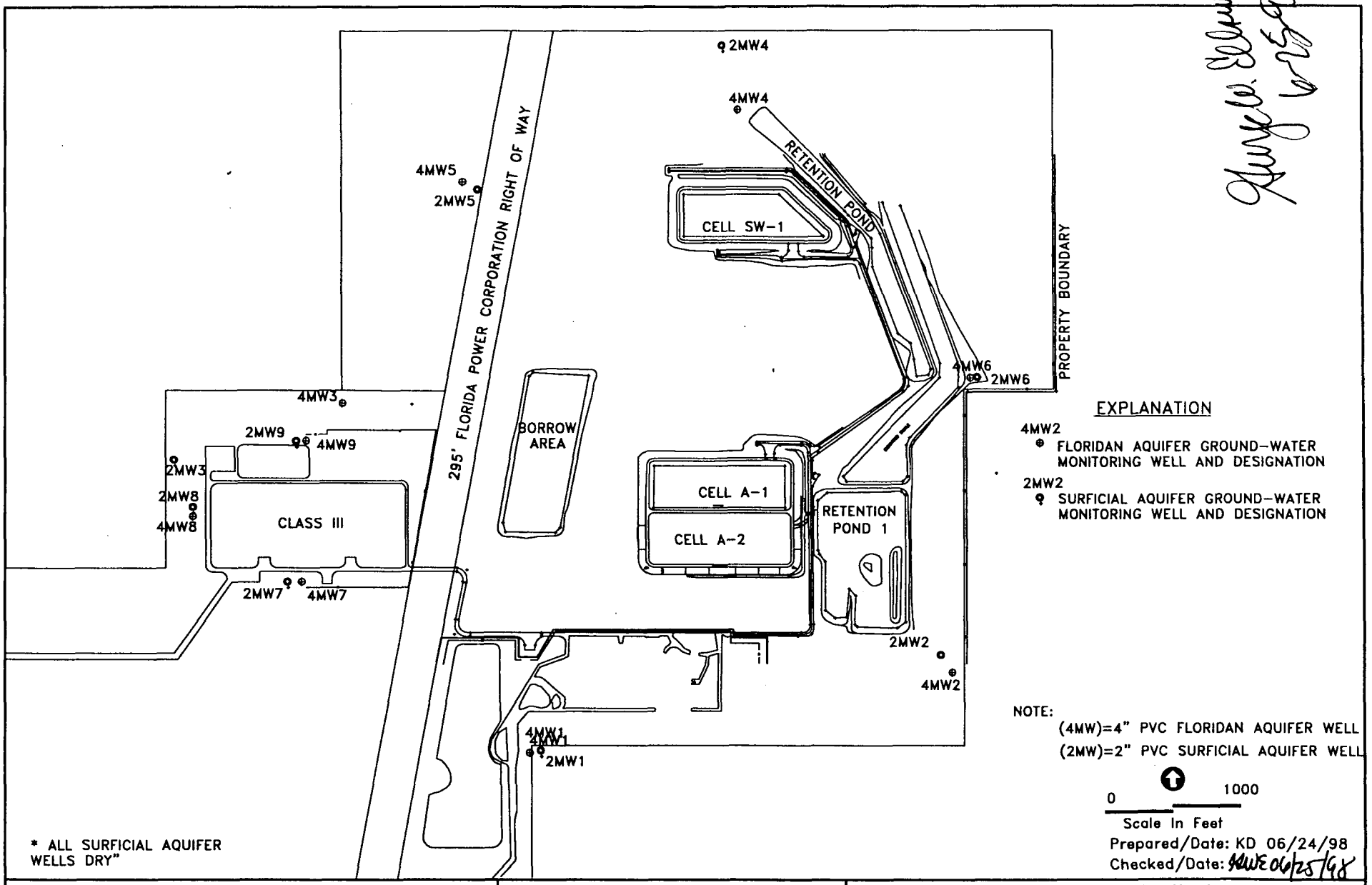
LAW
ENGINEERING AND ENVIRONMENTAL SERVICES

Ground-Water Monitoring

Floridan Aquifer Potentiometric Surface Map
JANUARY 1998

Project 40141-8-0291

Figure 2



ACAD=41508692

West Pasco Class III Landfill
Pasco County
Board of County Commissioners
Utility Services Branch
Pasco County, Florida

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES

Ground-Water Monitoring

Surficial Aquifer Water Table Map
JANUARY 1998

Project 40141-8-0291

Figure 1

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 (-B)

Sampling Date/Time: 01/21/98 @ 1235

Test Site ID #: 4051A16325

Report Period: 1998 / Quarter I (year/quarter)

Well Name: 2MW-3A

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Well Type: ( ) Background
( ) Intermediate
(XXX) Compliance
( ) Other

Groundwater Elevation (NGVD): _____

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F		Dry	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B		Dry	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B		Dry	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry	mg/L	0.15	mg/L
070300	Total Dis.P Solids	"	"	SM 2540C		Dry	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H + B		Dry	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B		Dry	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B		Dry	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4		Dry	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B		Dry	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83		Dry	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B		Dry	°C	0	°C
000680	TOC	"	"	SM 5310B		Dry	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		Dry	mg/L	1	mg/L
072020	Water Level (MSL)	"	"			Dry	Feet		Feet

*Attach Laboratory Reports

mo/g032604(1)

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Test Site ID #: 4051A16325

Well Name: 2MW-7

Classification of Groundwater: Surficial

Groundwater Elevation (NGVD):

or (MSL):

Sampling Date/Time: 01/21/98

Report Period: 1998 / Quarter I
(year/quarter)

Well Purged (Y/N): YES

Well Type: ( ) Background
( ) Intermediate
(XXX) Compliance
( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F		Dry	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B		Dry	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B		Dry	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B		Dry	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B		Dry	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B		Dry	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4		Dry	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B		Dry	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83		Dry	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B		Dry	°C	0	°C
000680	TOC	"	"	SM 5310B		Dry	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		Dry	mg/L	1	mg/L
072020	Water Level (MSL)	"	"			Dry	Feet		Feet

*Attach Laboratory Reports

mo/g032604(2)

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 01/21/98 @ 1000

Test Site ID #: 4051A16325 Report Period: 1998 / Quarter I (year/quarter)

Well Name: 2MW-8 6233 Well Purged (Y/N): YES

Classification of Groundwater: Surficial Well Type: ( ) Background ( ) Intermediate (XXX) Compliance ( ) Other

Groundwater Elevation (NGVD): _____

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F		Dry	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B		Dry	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B		Dry	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B		Dry	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B		Dry	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B		Dry	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4		Dry	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B		Dry	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83		Dry	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B		Dry	°C	0	°C
000680	TOC	"	"	SM 5310B		Dry	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		Dry	mg/L	1	mg/L
072020	Water Level (MSL)	"	"			Dry	Feet		Feet

*Attach Laboratory Reports

mo/g032604(3)

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 01/21/98 @ 1040

Test Site ID #: 4051A16325

Report Period: 1998 / Quarter I (year/quarter)

Well Name: 2MW-9

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Well Type: ( ) Background
( ) Intermediate
(XXX) Compliance
( ) Other

Groundwater Elevation (NGVD): 6237

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F		Dry	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B		Dry	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B		Dry	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B		Dry	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B		Dry	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B		Dry	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4		Dry	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B		Dry	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83		Dry	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B		Dry	°C	0	°C
000680	TOC	"	"	SM 5310B		Dry	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		Dry	mg/L	1	mg/L
072020	Water Level (MSL)	"	"			Dry	Feet		Feet

*Attach Laboratory Reports

mo/g032604(4)

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 01/21/98 @ 1020

Test Site ID #: 4051A16325

Report Period: 1998 / Quarter I (year/quarter)

Well Name: 2MW-10

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Well Type: ( ) Background
( ) Intermediate
(XXX) Compliance
( ) Other

Groundwater Elevation (NGVD): 6238

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limts/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F		Dry	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B		Dry	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B		Dry	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B		Dry	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B		Dry	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B		Dry	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4		Dry	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B		Dry	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83		Dry	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B		Dry	°C	0	°C
000680	TOC	"	"	SM 5310B		Dry	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		Dry	mg/L	1	mg/L
072020	Water Level (MSL)	"	"			Dry	Feet		Feet

*Attach Laboratory Reports

mo/g032604(5)

PART III ANALYTICAL RESULTS

(-B) → -C

Facility GMS #: 4051M30035 Sampling Date/Time: 01/21/98 @ 1410

Test Site ID #: 4051A16325 Report Period: 1998 / Quarter I (year/quarter)

Well Name 4MW-3A 6322 Well Purged (Y/N): YES

Classification of Groundwater: Floridan Well Type: (XXX) Background
( ) Intermediate
( ) Compliance
( ) Other

Groundwater Elevation (NGVD): _____

or (MSL): 34.80

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limts/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F	01/22/98 1530	<0.11	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B	01/23/98 1210	43.0	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B	01/21/98 1520	0.28	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B	01/26/98 1430	150	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C	01/21/98 1530	1,020	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B	01/21/98 1410	7.29	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B	01/23/98 1400	0.17	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B	01/26/98 1450	0.0007	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4	01/22/98 1600	27.1	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B	02/03/98 1100	0.08	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83	03/05/98 1000	<0.02	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B	01/21/98 1410	23.43	°C	0	°C
000680	TOC	"	"	SM 5310B	01/28/98 1400	2.12	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	01/21/98 1410	761	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	01/22/98 1100	143	mg/L	1	mg/L
072020	Water Level (MSL)	"	"		01/21/98 1410	34.80	Feet		Feet

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mo/g032604(6)

FCEL LAB # 9801-201

PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: 1/21/98 @ 14:10

Test Site ID #: _____ Report Period: 1998 1st QUARTER
(Year/Quarter)

WELL NAME: 4MW3A Well Type: ( ) Background

Classification of Ground Water: _____ ( ) Intermediate

Ground Water Elevation (NGVD): _____ ( ) Compliance

or (MSL): _____ ( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		µmhos/cm	µmhos/cm
01097	Antimony			EPA 204.2	02/06/98	<0.0013	0.0013
01002	Arsenic			EPA 206.2	02/21/98	<0.00074	0.00074
01007	Barium			EPA 200.7	02/13/98	0.035	0.0048
01012	Beryllium			EPA 200.7	02/13/98	<0.0016	0.0016
01027	Cadmium			EPA 213.2	04/02/98	0.00017	0.000068
01034	Chromium			EPA 200.7	02/12/98	0.090	0.022
01037	Cobalt			EPA 200.7	02/13/98	0.042	0.011
01042	Copper			EPA 200.7	01/29/98	0.014	0.0029
01051	Lead			EPA 239.2	01/31/98	<0.0002	0.0002
01067	Nickel			EPA 200.7	02/13/98	0.079	0.028
01147	Selenium			EPA 270.2	02/10/98	0.0038	0.0016
01077	Silver			EPA 200.7	01/29/98	<0.0033	0.0033
01057	Thallium			EPA 279.2	02/05/98	<0.00078	0.00078
01085	Vanadium			EPA 200.7	02/12/98	0.013	0.0088
01092	Zinc			EPA 200.7	02/13/98	0.024	0.0032

PART III – ANALYTICAL RESULTS (Continued) FCEL LAB # 9801-201

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260A	02/02/98	ND	0.330
34215	Acrylonitrile			EPA 8260A	02/02/98	ND	0.483
34235	Benzene			EPA 8260A	02/02/98	ND	0.147
N/A	Bromochloromethane			EPA 8260A	02/02/98	ND	0.300
32101	Bromodichloromethane			EPA 8260A	02/02/98	ND	0.300
32104	Bromoform			EPA 8260A	02/02/98	ND	0.226
77041	Carbon disulfide			EPA 8260A	02/02/98	ND	0.459
32102	Carbon tetrachloride			EPA 8260A	02/02/98	ND	0.316
34301	Chlorobenzene			EPA 8260A	02/02/98	ND	0.234
34311	Chloroethane			EPA 8260A	02/02/98	ND	0.148
32106	Chloroform			EPA 8260A	02/02/98	ND	0.104
32105	Dibromochloromethane			EPA 8260A	02/02/98	ND	0.185
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/02/98	ND	0.013
77651	1,2-Dibromoethane			EPA 504	02/02/98	ND	0.014
34537	o-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.365
34571	p-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.298
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/02/98	ND	0.221
34496	1,1-Dichloroethane			EPA 8260A	02/02/98	ND	0.275
32103	1,2-Dichloroethane			EPA 8260A	02/02/98	ND	0.128
34502	1,1-Dichloroethene			EPA 8260A	02/02/98	ND	0.128
81686	cis-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.253
34546	trans-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.195
34541	1,2-Dichloropropane			EPA 8260A	02/02/98	ND	0.147
34704	cis-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.157
34699	trans-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.198
78113	Ethylbenzene			EPA 8260A	02/02/98	ND	0.173
77103	2-Hexanone			EPA 8260A	02/02/98	ND	0.494
34413	Methyl bromide			EPA 8260A	02/02/98	ND	0.177

PART III - ANALYTICAL RESULTS (Continued) FCEL LAB# 9801-201

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34418	Methyl chloride			EPA 8260A	02/02/98	ND	0.155
77596	Methylene bromide			EPA 8260A	02/02/98	ND	0.347
34423	Methylene chloride			EPA 8260A	02/02/98	ND	0.282
81595	Methyl ethyl ketone			EPA 8260A	02/02/98	ND	0.154
49262	Methyl iodide			EPA 8260A	02/02/98	ND	0.506
78133	4-Methyl-2-pentanone			EPA 8260A	02/02/98	ND	0.520
77128	Styrene			EPA 8260A	02/02/98	ND	0.213
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	02/02/98	ND	0.192
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	02/02/98	ND	0.200
34476	Tetrachloroethene			EPA 8260A	02/02/98	ND	0.188
78131	Toluene			EPA 8260A	02/02/98	ND	0.249
34506	1,1,1-Trichloroethane			EPA 8260A	02/02/98	ND	0.296
34511	1,1,2-Trichloroethane			EPA 8260A	02/02/98	ND	0.115
34485	Trichloroethene			EPA 8260A	02/02/98	ND	0.183
34488	Trichlorofluoromethane			EPA 8260A	02/02/98	ND	0.423
77443	1,2,3-Trichloropropane			EPA 8260A	02/02/98	ND	0.137
77057	Vinyl acetate			EPA 8260A	02/02/98	ND	0.483
39175	Vinyl chloride			EPA 8260A	02/02/98	ND	0.205
81551	Xylenes			EPA 8260A	02/02/98	ND	0.108

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 01/21/98 @ 0930

Test Site ID #: 4051A16325

Report Period: 1998 / Quarter I (year/quarter)

Well Name: 4MW-7

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

Well Type: ( ) Background ( ) Intermediate (XXX) Compliance ( ) Other

Groundwater Elevation (NGVD): 6.23

or (MSL): 33.28

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F	01/22/98 1530	0.21	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B	01/23/98 1210	3.51	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B	01/21/98 1520	0.56	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B	01/26/98 1430	5.18	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C	01/21/98 1530	268	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B	01/21/98 0930	7.65	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B	01/23/98 1400	0.03	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B	01/26/98 1450	0.0009	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4	01/22/98 1600	2.5	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B	02/03/98 1100	<0.03	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83	03/05/98 1000	<0.02	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B	01/21/98 0930	22.96	°C	0	°C
000680	TOC	"	"	SM 5310B	01/28/98 1400	1.97	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	01/21/98 0930	270	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	01/22/98 1100	136	mg/L	1	mg/L
072020	Water Level (MSL)	"	"		01/21/98 0930	33.28	Feet		Feet

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Solid Waste Section

*Attach Laboratory Reports

mo/g032604(7)

FCEL LAB'# 9801-203
PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: 1/21/98 @ 09:30

Test Site ID #: _____ Report Period: 1998 1st QUARTER
(Year/Quarter)

WELL NAME: 4MW7 Well Type: ( ) Background

Classification of Ground Water: _____ ( ) Intermediate

Ground Water Elevation (NGVD): _____ ( ) Compliance

or (MSL): _____ ( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		µmhos/cm	µmhos/cm
01097	Antimony			EPA 204.2	02/06/98	<0.0013	0.0013
01002	Arsenic			EPA 206.2	02/21/98	<0.00074	0.00074
01007	Barium			EPA 200.7	02/13/98	0.025	0.0048
01012	Beryllium			EPA 200.7	02/13/98	<0.0016	0.0016
01027	Cadmium			EPA 213.2	04/02/98	0.00009	0.000068
01034	Chromium			EPA 200.7	02/12/98	0.024	0.022
01037	Cobalt			EPA 200.7	02/13/98	0.037	0.011
01042	Copper			EPA 200.7	01/29/98	0.003	0.0029
01051	Lead			EPA 239.2	01/31/98	<0.0002	0.0002
01067	Nickel			EPA 200.7	02/13/98	0.064	0.028
01147	Selenium			EPA 270.2	02/10/98	0.0032	0.0016
01077	Silver			EPA 200.7	01/29/98	<0.0033	0.0033
01057	Thallium			EPA 279.2	02/05/98	<0.00078	0.00078
01085	Vanadium			EPA 200.7	02/12/98	0.020	0.0088
01092	Zinc			EPA 200.7	02/13/98	0.027	0.0032

PART III - ANALYTICAL RESULTS (Continued) FCEL LAB # 9801-203

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260A	02/02/98	ND	0.330
34215	Acrylonitrile			EPA 8260A	02/02/98	ND	0.483
34235	Benzene			EPA 8260A	02/02/98	ND	0.147
N/A	Bromochloromethane			EPA 8260A	02/02/98	ND	0.300
32101	Bromodichloromethane			EPA 8260A	02/02/98	ND	0.300
32104	Bromoform			EPA 8260A	02/02/98	ND	0.226
77041	Carbon disulfide			EPA 8260A	02/02/98	ND	0.459
32102	Carbon tetrachloride			EPA 8260A	02/02/98	ND	0.316
34301	Chlorobenzene			EPA 8260A	02/02/98	ND	0.234
34311	Chloroethane			EPA 8260A	02/02/98	ND	0.148
32106	Chloroform			EPA 8260A	02/02/98	ND	0.104
32105	Dibromochloromethane			EPA 8260A	02/02/98	ND	0.185
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/02/98	ND	0.013
77651	1,2-Dibromoethane			EPA 504	02/02/98	ND	0.014
34537	o-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.365
34571	p-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.298
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/02/98	ND	0.221
34496	1,1-Dichloroethane			EPA 8260A	02/02/98	ND	0.275
32103	1,2-Dichloroethane			EPA 8260A	02/02/98	ND	0.128
34502	1,1-Dichloroethene			EPA 8260A	02/02/98	ND	0.128
81686	cis-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.253
34546	trans-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.195
34541	1,2-Dichloropropane			EPA 8260A	02/02/98	ND	0.147
34704	cis-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.157
34699	trans-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.198
78113	Ethylbenzene			EPA 8260A	02/02/98	ND	0.173
77103	2-Hexanone			EPA 8260A	02/02/98	ND	0.494
34413	Methyl bromide			EPA 8260A	02/02/98	ND	0.177

PART III - ANALYTICAL RESULTS (Continued) FCEL LAB# 9801-203

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34418	Methyl chloride			EPA 8260A	02/02/98	ND	0.155
77596	Methylene bromide			EPA 8260A	02/02/98	ND	0.347
34423	Methylene chloride			EPA 8260A	02/02/98	ND	0.282
81595	Methyl ethyl ketone			EPA 8260A	02/02/98	ND	0.154
49262	Methyl iodide			EPA 8260A	02/02/98	ND	0.506
78133	4-Methyl-2-pentanone			EPA 8260A	02/02/98	ND	0.520
77128	Styrene			EPA 8260A	02/02/98	ND	0.213
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	02/02/98	ND	0.192
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	02/02/98	ND	0.200
34476	Tetrachloroethene			EPA 8260A	02/02/98	ND	0.188
78131	Toluene			EPA 8260A	02/02/98	ND	0.249
34506	1,1,1-Trichloroethane			EPA 8260A	02/02/98	ND	0.296
34511	1,1,2-Trichloroethane			EPA 8260A	02/02/98	ND	0.115
34485	Trichloroethene			EPA 8260A	02/02/98	ND	0.183
34488	Trichlorofluoromethane			EPA 8260A	02/02/98	ND	0.423
77443	1,2,3-Trichloropropane			EPA 8260A	02/02/98	ND	0.137
77057	Vinyl acetate			EPA 8260A	02/02/98	ND	0.483
39175	Vinyl chloride			EPA 8260A	02/02/98	ND	0.205
81551	Xylenes			EPA 8260A	02/02/98	ND	0.108

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Test Site ID #: 4051A16825

Well Name: 4MW-8

Classification of Groundwater: Floridan

Groundwater Elevation (NGVD): _____

or (MSL): 35.25

Sampling Date/Time: 01/21/98 @ 1015

Report Period: 1998 / Quarter I
(year/quarter)

Well Purged (Y/N): YES

Well Type: ( ) Background
( ) Intermediate
(XXX) Compliance
( ) Other

6233

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limts/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F	01/22/98 1530	<0.11	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B	01/23/98 1210	3.55	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B	01/21/98 1520	0.60	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B	01/26/98 1430	6.82	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C	01/21/98 1530	192	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B	01/21/98 1015	7.54	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B	01/23/98 1400	0.04	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B	01/26/98 1450	0.001	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4	01/22/98 1600	1.26	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B	02/03/98 1100	<0.03	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83	03/05/98 1000	<0.02	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B	01/21/98 1015	22.27	°C	0	°C
000680	TOC	"	"	SM 5310B	01/28/98 1400	1.38	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	01/21/98 1015	285	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	01/22/98 1100	148	mg/L	1	mg/L
072020	Water Level (MSL)	"	"		01/21/98 1015	35.25	Feet		Feet

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Solid Waste Section

*Attach Laboratory Reports

mo/g032604(8)

FCEL LAB # 9801-202
PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: 1/21/98 @ 10:15

Test Site ID #: _____ Report Period: 1998 1st QUARTER
(Year/Quarter)

WELL NAME: 4MW8 Well Type: ( ) Background

Classification of Ground Water: _____ ( ) Intermediate

Ground Water Elevation (NGVD): _____ ( ) Compliance

or (MSL): _____ ( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		µmhos/cm	µmhos/cm
01097	Antimony			EPA 204.2	02/06/98	<0.0013	0.0013
01002	Arsenic			EPA 206.2	02/21/98	<0.00074	0.00074
01007	Barium			EPA 200.7	02/13/98	0.019	0.0048
01012	Beryllium			EPA 200.7	02/13/98	<0.0016	0.0016
01027	Cadmium			EPA 213.2	04/02/98	0.00051	0.000068
01034	Chromium			EPA 200.7	02/12/98	0.028	0.022
01037	Cobalt			EPA 200.7	02/13/98	0.057	0.011
01042	Copper			EPA 200.7	01/29/98	0.006	0.0029
01051	Lead			EPA 239.2	01/31/98	<0.0002	0.0002
01067	Nickel			EPA 200.7	02/13/98	<0.028	0.028
01147	Selenium			EPA 270.2	02/10/98	0.0038	0.0016
01077	Silver			EPA 200.7	01/29/98	<0.0033	0.0033
01057	Thallium			EPA 279.2	02/05/98	<0.00078	0.00078
01085	Vanadium			EPA 200.7	02/12/98	<0.0088	0.0088
01092	Zinc			EPA 200.7	02/13/98	<0.003	0.0032

PART III - ANALYTICAL RESULTS (Continued) FCEL LAB # 9801-202

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260A	02/02/98	ND	0.330
34215	Acrylonitrile			EPA 8260A	02/02/98	ND	0.483
34235	Benzene			EPA 8260A	02/02/98	ND	0.147
N/A	Bromochloromethane			EPA 8260A	02/02/98	ND	0.300
32101	Bromodichloromethane			EPA 8260A	02/02/98	ND	0.300
32104	Bromoform			EPA 8260A	02/02/98	ND	0.226
77041	Carbon disulfide			EPA 8260A	02/02/98	ND	0.459
32102	Carbon tetrachloride			EPA 8260A	02/02/98	ND	0.316
34301	Chlorobenzene			EPA 8260A	02/02/98	ND	0.234
34311	Chloroethane			EPA 8260A	02/02/98	ND	0.148
32106	Chloroform			EPA 8260A	02/02/98	ND	0.104
32105	Dibromochloromethane			EPA 8260A	02/02/98	ND	0.185
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/02/98	ND	0.013
77651	1,2-Dibromoethane			EPA 504	02/02/98	ND	0.014
34537	o-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.365
34571	p-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.298
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/02/98	ND	0.221
34496	1,1-Dichloroethane			EPA 8260A	02/02/98	ND	0.275
32103	1,2-Dichloroethane			EPA 8260A	02/02/98	ND	0.128
34502	1,1-Dichloroethene			EPA 8260A	02/02/98	ND	0.128
81686	cis-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.253
34546	trans-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.195
34541	1,2-Dichloropropane			EPA 8260A	02/02/98	ND	0.147
34704	cis-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.157
34699	trans-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.198
78113	Ethylbenzene			EPA 8260A	02/02/98	ND	0.173
77103	2-Hexanone			EPA 8260A	02/02/98	ND	0.494
34413	Methyl bromide			EPA 8260A	02/02/98	ND	0.177

PART III - ANALYTICAL RESULTS (Continued) FCEL LAB# 9801-202

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34418	Methyl chloride			EPA 8260A	02/02/98	ND	0.155
77596	Methylene bromide			EPA 8260A	02/02/98	ND	0.347
34423	Methylene chloride			EPA 8260A	02/02/98	ND	0.282
81595	Methyl ethyl ketone			EPA 8260A	02/02/98	ND	0.154
49262	Methyl iodide			EPA 8260A	02/02/98	ND	0.506
78133	4-Methyl-2-pentanone			EPA 8260A	02/02/98	ND	0.520
77128	Styrene			EPA 8260A	02/02/98	ND	0.213
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	02/02/98	ND	0.192
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	02/02/98	ND	0.200
34476	Tetrachloroethene			EPA 8260A	02/02/98	ND	0.188
78131	Toluene			EPA 8260A	02/02/98	ND	0.249
34506	1,1,1-Trichloroethane			EPA 8260A	02/02/98	ND	0.296
34511	1,1,2-Trichloroethane			EPA 8260A	02/02/98	ND	0.115
34485	Trichloroethene			EPA 8260A	02/02/98	ND	0.183
34488	Trichlorofluoromethane			EPA 8260A	02/02/98	ND	0.423
77443	1,2,3-Trichloropropane			EPA 8260A	02/02/98	ND	0.137
77057	Vinyl acetate			EPA 8260A	02/02/98	ND	0.483
39175	Vinyl chloride			EPA 8260A	02/02/98	ND	0.205
81551	Xylenes			EPA 8260A	02/02/98	ND	0.108

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Test Site ID #: 4051A16325

Well Name: 4MW-9

Classification of Groundwater: Floridan

Groundwater Elevation (NGVD):

or (MSL): 33.38

Sampling Date/Time: 01/21/98 @ 1200

Report Period: 1998 / Quarter 1
(year/quarter)

Well Purged (Y/N): YES

6834

Well Type: ( ) Background
( ) Intermediate
(XXX) Compliance
( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F	01/22/98 1530	<0.11	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B	01/23/98 1210	4.24	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B	01/21/98 1520	0.11	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B	01/26/98 1430	9.90	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C	01/21/98 1530	295	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B	01/21/98 1200	7.30	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B	01/23/98 1400	0.03	mg/L	0.001	mg/L
071900	Mercury	"	"	SM 3112B	01/26/98 1450	0.001	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4	01/22/98 1600	<1	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B	02/03/98 1100	<0.03	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83	03/05/98 1000	<0.02	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B	01/21/98 1200	23.42	°C	0	°C
000680	TOC	"	"	SM 5310B	01/28/98 1400	1.81	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	01/21/98 1200	348	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	01/22/98 1100	179	mg/L	1	mg/L
072020	Water Level (MSL)	"	"		01/21/98 1200	33.38	Feet		Feet

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*Attach Laboratory Reports

mo/g032604(9)

FCEL LAB # 9801-200
PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: 1/21/98 @ 10:40

Test Site ID #: _____ Report Period: 1998 1st QUARTER
(Year/Quarter)

WELL NAME: 4MW9 Well Type: ( ) Background

Classification of Ground Water: _____ ( ) Intermediate

Ground Water Elevation (NGVD): _____ ( ) Compliance

or (MSL): _____ ( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		µmhos/cm	µmhos/cm
01097	Antimony			EPA 204.2	02/06/98	<0.0013	0.0013
01002	Arsenic			EPA 206.2	02/21/98	<0.00074	0.00074
01007	Barium			EPA 200.7	02/13/98	0.028	0.0048
01012	Beryllium			EPA 200.7	02/13/98	0.0021	0.0016
01027	Cadmium			EPA 213.2	02/04/98	<0.000068	0.000068
01034	Chromium			EPA 200.7	02/12/98	0.036	0.022
01037	Cobalt			EPA 200.7	02/13/98	0.066	0.011
01042	Copper			EPA 200.7	01/29/98	0.006	0.0029
01051	Lead			EPA 239.2	01/31/98	<0.0002	0.0002
01067	Nickel			EPA 200.7	02/13/98	0.151	0.028
01147	Selenium			EPA 270.2	02/10/98	0.005	0.0016
01077	Silver			EPA 200.7	01/29/98	<0.0033	0.0033
01057	Thallium			EPA 279.2	02/05/98	<0.00078	0.00078
01085	Vanadium			EPA 200.7	02/12/98	0.033	0.0088
01092	Zinc			EPA 200.7	02/13/98	0.039	0.0032

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260A	02/02/98	ND	0.330
34215	Acrylonitrile			EPA 8260A	02/02/98	ND	0.483
34235	Benzene			EPA 8260A	02/02/98	ND	0.147
N/A	Bromochloromethane			EPA 8260A	02/02/98	ND	0.300
32101	Bromodichloromethane			EPA 8260A	02/02/98	ND	0.300
32104	Bromoform			EPA 8260A	02/02/98	ND	0.226
77041	Carbon disulfide			EPA 8260A	02/02/98	ND	0.459
32102	Carbon tetrachloride			EPA 8260A	02/02/98	ND	0.316
34301	Chlorobenzene			EPA 8260A	02/02/98	ND	0.234
34311	Chloroethane			EPA 8260A	02/02/98	ND	0.148
32106	Chloroform			EPA 8260A	02/02/98	ND	0.104
32105	Dibromochloromethane			EPA 8260A	02/02/98	ND	0.185
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/02/98	ND	0.013
77651	1,2-Dibromoethane			EPA 504	02/02/98	ND	0.014
34537	o-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.365
34571	p-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.298
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/02/98	ND	0.221
34496	1,1-Dichloroethane			EPA 8260A	02/02/98	ND	0.275
32103	1,2-Dichloroethane			EPA 8260A	02/02/98	ND	0.128
34502	1,1-Dichloroethene			EPA 8260A	02/02/98	ND	0.128
81686	cis-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.253
34546	trans-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.195
34541	1,2-Dichloropropane			EPA 8260A	02/02/98	ND	0.147
34704	cis-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.157
34699	trans-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.198
78113	Ethylbenzene			EPA 8260A	02/02/98	ND	0.173
77103	2-Hexanone			EPA 8260A	02/02/98	ND	0.494
34413	Methyl bromide			EPA 8260A	02/02/98	ND	0.177

PART III - ANALYTICAL RESULTS (Continued) FCEL LAB# 9801-200

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34418	Methyl chloride			EPA 8260A	02/02/98	ND	0.155
77596	Methylene bromide			EPA 8260A	02/02/98	ND	0.347
34423	Methylene chloride			EPA 8260A	02/02/98	ND	0.282
81595	Methyl ethyl ketone			EPA 8260A	02/02/98	ND	0.154
49262	Methyl iodide			EPA 8260A	02/02/98	ND	0.506
78133	4-Methyl-2-pentanone			EPA 8260A	02/02/98	ND	0.520
77128	Styrene			EPA 8260A	02/02/98	ND	0.213
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	02/02/98	ND	0.192
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	02/02/98	ND	0.200
34476	Tetrachloroethene			EPA 8260A	02/02/98	ND	0.188
78131	Toluene			EPA 8260A	02/02/98	ND	0.249
34506	1,1,1-Trichloroethane			EPA 8260A	02/02/98	ND	0.296
34511	1,1,2-Trichloroethane			EPA 8260A	02/02/98	ND	0.115
34485	Trichloroethene			EPA 8260A	02/02/98	ND	0.183
34488	Trichlorofluoromethane			EPA 8260A	02/02/98	ND	0.423
77443	1,2,3-Trichloropropane			EPA 8260A	02/02/98	ND	0.137
77057	Vinyl acetate			EPA 8260A	02/02/98	ND	0.483
39175	Vinyl chloride			EPA 8260A	02/02/98	ND	0.205
81551	Xylenes			EPA 8260A	02/02/98	ND	0.108

PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: CL-III GWM QI
DATE: 03/05/98
DHRS # 44237, E44123

SAMPLE NUMBER- 63924 SAMPLE ID- 4MW-3A SAMPLE MATRIX- WW
DATE SAMPLED- 01/21/98 LOCATION- TIME SAMPLED- 1410
DATE RECEIVED- 01/21/98 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD			01/21/98	1410	CHR	34.80	FEET
FIELD PH	EPA 150.1			01/21/98	1410	CHR	7.29	STD. UNITS
FIELD TEMPERATURE	SM2550B			01/21/98	1410	CHR	23.43	DEGREES C
FIELD CONDUCTIVITY	SM2510B			01/21/98	1410	CHR	761	umhos/cm
DISSOLVED OXYGEN. FIELD	SM4500-O G			01/21/98	1410	CHR	0.68	mg/L
ALKALINITY.BICARB.	EPA310.1			01/22/98	1100	JK	143	mg/l
TOT.ORGANIC CARBON	EPA 415.1			01/28/98	1400	IF	2.12	mg/L
CHLORIDE	EPA 325.2			01/26/98	1430	JK	150	mg/L
COLOR	EPA 110.2			01/22/98	0830	JK	12	PCU
FECAL COLIFORM MF	SM9222D			01/21/98	1500	CEM	<1	MF/100 ml
AMMONIA NITROGEN	SM4500NH3H			02/03/98	1100	IF	0.08	mg/L
UN-IONIZED AMMONIA N	DEP SOP			03/05/98	1000	CEM	<0.02	mg/L
NITRATE	EPA 353.2			01/22/98	1530	IF	<0.11	mg/L
TOTAL DISS.SOLIDS	EPA160.1			01/21/98	1530	JK	1020	mg/L
SULFATE	EPA375.4			01/22/98	1600	JK	27.1	mg/L
TURBIDITY	SM 2130 B			01/21/98	1520	CSC	0.28	NTU
IRON.TOTAL	SM3113B	01/23/98	TER	01/23/98	1400	TER	0.17	mg/L
MERCURY.TOTAL	245.1			01/26/98	1450	TER	0.0007	mg/L
SODIUM.TOTAL	273.1	01/23/98	TER	01/23/98	1210	TER	43.0	mg/L

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REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: CL-III GWM QI
DATE: 03/05/98
DHRS # 44237, E44123

SAMPLE NUMBER- 63925 SAMPLE ID- 4MW-7 SAMPLE MATRIX- WW
DATE SAMPLED- 01/21/98 LOCATION- TIME SAMPLED- 0930
DATE RECEIVED- 01/21/98 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD			01/21/98	0930	CHR	33.28	FEET
FIELD PH	EPA 150.1			01/21/98	0930	CHR	7.65	STD. UNITS
FIELD TEMPERATURE	SM2550B			01/21/98	0930	CHR	22.96	DEGREES C
FIELD CONDUCTIVITY	SM2510B			01/21/98	0930	CHR	270	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			01/21/98	0930	CHR	1.75	mg/L
ALKALINITY,BICARB.	EPA310.1			01/22/98	1100	JK	136	mg/l
TOT.ORGANIC CARBON	EPA 415.1			01/28/98	1400	IF	1.97	mg/L
CHLORIDE	EPA 325.2			01/26/98	1430	JK	5.18	mg/L
COLOR	EPA 110.2			01/22/98	0830	JK	10	PCU
FECAL COLIFORM MF	SM9222D			01/21/98	1500	CEM	<1	MF/100 ml
AMMONIA NITROGEN	SM4500NH3H			02/03/98	1100	IF	<0.03	mg/L
UN-IONIZED AMMONIA N	DEP SOP			03/05/98	1000	CEM	<0.02	mg/L
NITRATE	EPA 353.2			01/22/98	1530	IF	0.21	mg/L
TOTAL DISS.SOLIDS	EPA160.1			01/21/98	1530	JK	268	mg/L
SULFATE	EPA375.4			01/22/98	1600	JK	2.5	mg/L
TURBIDITY	SM 2130 B			01/21/98	1520	CSC	0.56	NTU
IRON,TOTAL	SM3113B	01/23/98	TER	01/23/98	1400	TER	0.03	mg/L
MERCURY,TOTAL	245.1			01/26/98	1450	TER	0.0009	mg/L
SODIUM,TOTAL	273.1	01/23/98	TER	01/23/98	1210	TER	3.51	mg/L

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REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: CL-III GWM QI
DATE: 03/05/98
DHRS # 44237, E44123

SAMPLE NUMBER- 63926 SAMPLE ID- 4MW-8 SAMPLE MATRIX- WW
DATE SAMPLED- 01/21/98 LOCATION- TIME SAMPLED- 1015
DATE RECEIVED- 01/21/98 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD			01/21/98	1015	CHR	35.25	FEET
FIELD PH	EPA 150.1			01/21/98	1015	CHR	7.54	STD. UNITS
FIELD TEMPERATURE	SM2550B			01/21/98	1015	CHR	22.27	DEGREES C
FIELD CONDUCTIVITY	SM2510B			01/21/98	1015	CHR	285	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			01/21/98	1015	CHR	0.64	mg/L
ALKALINITY,BICARB.	EPA310.1			01/22/98	1100	JK	148	mg/l
TOT.ORGANIC CARBON	EPA 415.1			01/28/98	1400	IF	1.38	mg/L
CHLORIDE	EPA 325.2			01/26/98	1430	JK	6.82	mg/L
COLOR	EPA 110.2			01/22/98	0830	JK	5	PCU
FECAL COLIFORM MF	SM9222D			01/21/98	1500	CEM	<1	MF/100 ml
AMMONIA NITROGEN	SM4500NH3H			02/03/98	1100	IF	<0.03	mg/L
UN-IONIZED AMMONIA N	DEP SOP			03/05/98	1000	CEM	<0.02	mg/L
NITRATE	EPA 353.2			01/22/98	1530	IF	<0.11	mg/L
TOTAL DISS.SOLIDS	EPA160.1			01/21/98	1530	JK	192	mg/L
SULFATE	EPA375.4			01/22/98	1600	JK	1.26	mg/L
TURBIDITY	SM 2130 B			01/21/98	1520	CSC	0.60	NTU
IRON,TOTAL	SM3113B	01/23/98	TER	01/23/98	1400	TER	0.04	mg/L
MERCURY,TOTAL	245.1			01/26/98	1450	TER	0.001	mg/L
SODIUM,TOTAL	273.1	01/23/98	TER	01/23/98	1210	TER	3.55	mg/L

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REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: CL-III GWM QI
DATE: 03/05/98
DHRS # 44237, E44123

SAMPLE NUMBER- 63927 SAMPLE ID- 4MW-9 SAMPLE MATRIX- WW
DATE SAMPLED- 01/21/98 LOCATION- TIME SAMPLED- 1200
DATE RECEIVED- 01/21/98 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD			01/21/98	1200	CHR	33.38	FEET
FIELD PH	EPA 150.1			01/21/98	1200	CHR	7.30	STD. UNITS
FIELD TEMPERATURE	SM2550B			01/21/98	1200	CHR	23.42	DEGREES C
FIELD CONDUCTIVITY	SM2510B			01/21/98	1200	CHR	348	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			01/21/98	1200	CHR	0.34	mg/L
ALKALINITY,BICARB.	EPA310.1			01/22/98	1100	JK	179	mg/l
TOT.ORGANIC CARBON	EPA 415.1			01/28/98	1400	IF	1.81	mg/L
CHLORIDE	EPA 325.2			01/26/98	1430	JK	9.90	mg/L
COLOR	EPA 110.2			01/22/98	0830	JK	5	PCU
FECAL COLIFORM MF	SM9222D			01/21/98	1500	CEM	<1	MF/100 ml
AMMONIA NITROGEN	SM4500NH3H			02/03/98	1100	IF	<0.03	mg/L
UN-IONIZED AMMONIA N	DEP SOP			03/05/98	1000	CEM	<0.02	mg/L
NITRATE	EPA 353.2			01/22/98	1530	IF	<0.11	mg/L
TOTAL DISS.SOLIDS	EPA160.1			01/21/98	1530	JK	295	mg/L
SULFATE	EPA375.4			01/22/98	1600	JK	<1	mg/L
TURBIDITY	SM 2130 B			01/21/98	1520	CSC	0.11	NTU
IRON,TOTAL	SM3113B	01/23/98	TER	01/23/98	1400	TER	0.03	mg/L
MERCURY,TOTAL	245.1			01/26/98	1450	TER	0.001	mg/L
SODIUM,TOTAL	273.1	01/23/98	TER	01/23/98	1210	TER	4.24	mg/L

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QC REPORT FOR CLASS III LANDFILL 03/05/98

QA/QC for SAMPLE Nos: 63924, 63925, 63926, 63927,
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		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
ALKALINITY,BICARB.	63927	178	180	2.0	1.12	------	STD	100	99.4	99.40
SM2320B	63929	264	265	1.0	0.38	------	----------	--------	--------	------
mg/l										
TOT.ORGANIC CARBON	63797	--------	--------	--------	--------	97.95	TOC STD	3.000	3.077	97.95
SM 5310	63819	2.67	2.98	0.31	10.97	------	TOC STD	6.000	5.706	95.10
mg/L										
CHLORIDE	63925	--------	--------	--------	--------	100.30	STD	80.0	79.7	99.70
SM4500CL E	63966	584	604	20	3.37	------	STD	80.0	78.6	98.30
mg/L	63970	531	540	9.0	1.68	------	----------	--------	--------	------
	63973	781	791	10	1.27	------	----------	--------	--------	------
	63988	--------	--------	--------	--------	101.10	----------	--------	--------	------
COLOR	63929	350	350	0	0.00	------	STD	50	50	100.00
SM 2120B										
PCU										
FECAL COLIFORM MF	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
SM9222D										
MF/100 ml										
AMMONIA NITROGEN	63926	<0.03	<0.03	0.015	0.00	------	NH3 STD	1.200	1.096	93.32
SM4500NH3H	63926	<0.03	<0.03	0.015	0.00	------	NH3 STD	1.200	1.147	95.58
mg/L	63989	0.50	0.52	0.020	3.92	------	----------	--------	--------	------
	63989	0.50	0.52	0.020	3.92	------	----------	--------	--------	------

PASCO COUNTY, FLORIDA

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8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
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QC REPORT FOR CLASS III LANDFILL 03/05/98

QA/QC for SAMPLE Nos: 63924, 63925, 63926, 63927.

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
	64167	--------	--------	--------	--------	110.95	----------	--------	--------	------
	64221	0.08	0.10	0.020	22.22	------	----------	--------	--------	------
UN-IONIZED AMMONIA N	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
DEP SOP										
mg/L										
NITRATE	62924	--------	--------	--------	--------	100.64	NO3 STD	4.000	3.943	98.57
SM4500NO3F	63927	<0.11	<0.11	0.055	0.00	------	NO3 STD	4.000	4.039	100.99
mg/L	63935	0.22	0.25	0.030	12.77	------	----------	--------	--------	------
	63957	--------	--------	--------	--------	98.10	----------	--------	--------	------
	63963	3.25	3.15	0.10	3.13	------	----------	--------	--------	------
	63968	--------	--------	--------	--------	95.47	----------	--------	--------	------
TOTAL DISS.SOLIDS	63921	--------	--------	--------	--------	104.70	STD	293	299	102.00
SM2540C	63929	634	656	22	3.41	------	----------	--------	--------	------
mg/L										
SULFATE	63924	--------	--------	--------	--------	97.90	STD	20.0	20.6	103.10
EPA375.4	63972	224	226	2.0	0.89	------	----------	--------	--------	------
mg/L										
TURBIDITY	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
SM 2130 B										
NTU										
IRON,TOTAL	63929	0.63	0.62	0.010	1.60	102.00	----------	--------	--------	------
SM3113B										
mg/L										

PASCO COUNTY, FLORIDA

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QC REPORT FOR CLASS III LANDFILL 03/05/98

QA/QC for SAMPLE Nos: 63924, 63925, 63926, 63927,
Page 3

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
MERCURY,TOTAL SM3112B mg/L	63924	0.71	0.69	0.020	2.86	104.80	----------	--------	--------	------
SODIUM,TOTAL SM3111B mg/L	63973	12.10	12.12	0.020	0.17	102.30	----------	--------	--------	------

First Coast Environmental Laboratory, Inc.
Quality Assurance / Quality Control Program

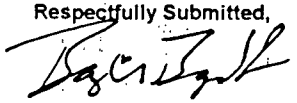
Analytical Quality Assurance Summary
Metals

Client: National Testing Labs/Broward Testing Labs
Sample ID: 9801-332
Date Rec.'d:

Analyte	Method	Determined Accuracy (%Recovery) MS	MSD	Precision RPD	Analysis Date	Acceptance Limits Accuracy	RPD
Arsenic	206.2	118.3	105.1	11.82	21-Feb-98	74.1 - 132	35
Barium	200.7	88	99	11.76	13-Mar-98	78 - 128.4	15.1
Cadmium	213.2	98.6	105.8	7.05	04-Feb-98	67 - 132	13.7
Chromium	200.7	99.4	112.8	12.63	12-Feb-98	82.7 - 118.5	12.7
Lead	239.2	95.8	96.8	1.04	31-Jan-98	66.8 - 132.9	22.9
Selenium	270.2	90	111.6	21.43	10-Feb-98	66.4 - 132.6	28
Silver	200.7	95.8	93.2	2.75	29-Jan-98	77.6 - 126.2	11
Antimony	204.2	103.5	97.3	6.18	06-Feb-98	59.7 - 127.6	31
Beryllium	200.7	88.7	91	2.56	09-Mar-98	75.6 - 142.1	9.5
Copper	200.7	102.7	96	6.74	29-Jan-98	77.2-118.4	11.1
Nickel	200.7	101.1	89.1	12.62	13-Feb-98	85.1 - 121.4	14.1
Thallium	279.2	104.2	97.7	6.44	05-Feb-98	63.5 - 142.4	24.3
Zinc	200.7	104.2	97.7	6.44	09-Mar-98	78.8 - 114.9	9.31
Cobalt	200.7	105	111.5	6.00	13-Mar-98	80.1 - 117.3	13.12
Vanadium	200.7	96.4	89.3	7.65	09-Mar-98	84.5 - 117.1	8.7

MS = Matrix Spike MSD = Matrix Spike Duplicate RPD = Relative Percent Deviation

Respectfully Submitted,



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