405/M30035

PASCO COUNTY, FLORIDA

WACS 45799
2ND SEMI-ANNUAL 1998 GWMR C III

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

13 Oct 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 II, 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 second semester (Jul-Sept) 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.

No groundwater exceedence summary table is included since none of the wells exceeded any MCL's for regulated analytes. A groundwater contour map for this site is 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

OCT 21 1998

Solid Waste Section

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: 21 AUG '98 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

OCT 2 1998

Solid Waste Section

DEP Form # 62-522.900(2)
Form Title GROUND WATER MONITORING REPORT
Effective Date
DEP Aplication 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: CLASS III LANDFILL

Address: HAYS RD

City, State, Zip:

Telephone Number:

(2) The GMS Identification Number:

(3) DEP Permit Number:

(4) Authorized Representative Name:

Address:

City, State, Zip:

Telephone Number:

(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 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: 21 AUG '98

Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

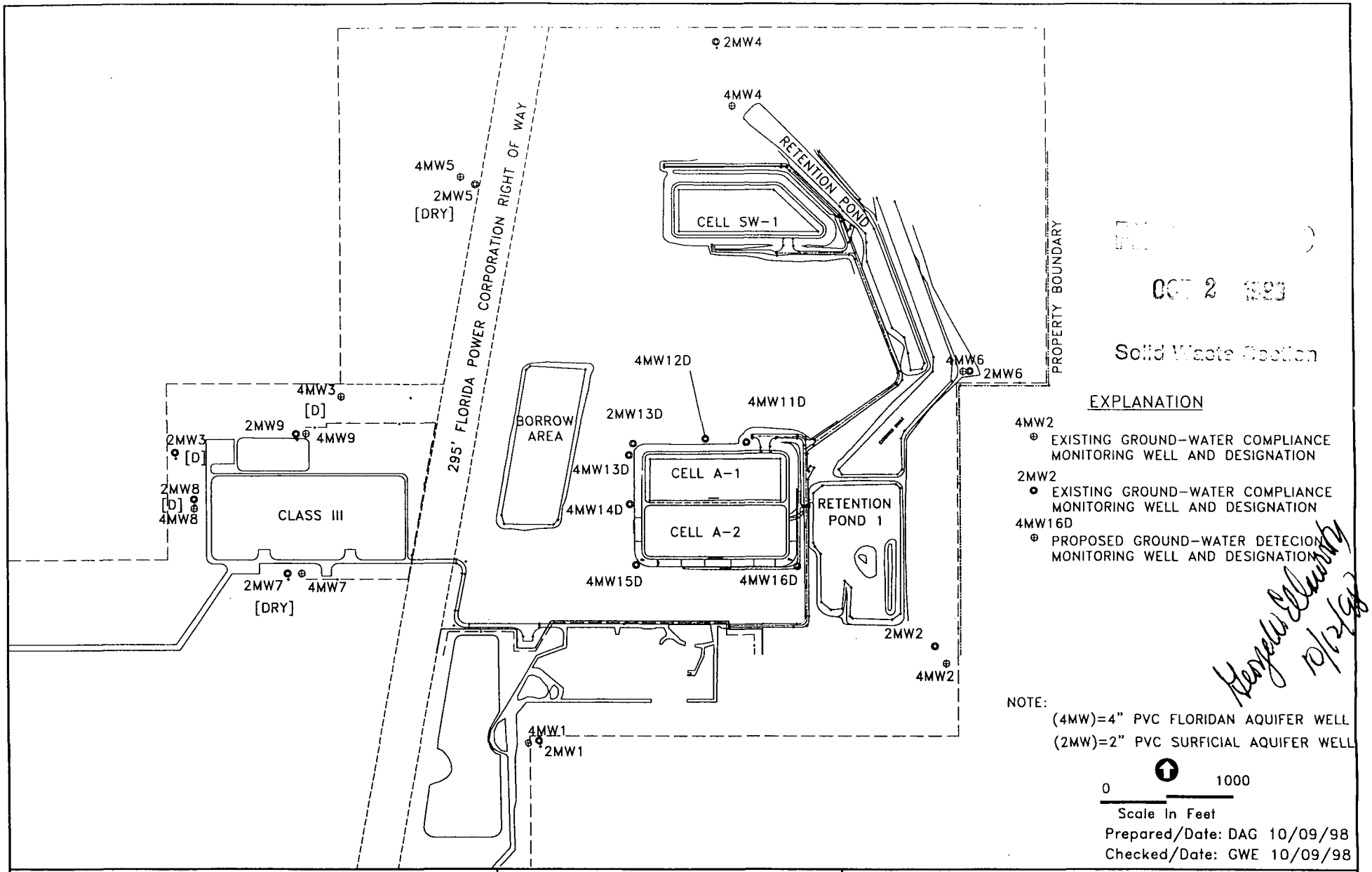
Analytical Lab Comp QAP #/HRS Certification #910150/E86278: 860214/E87143

Comp QAP #/HRS Certification #

Lab Name: BROWARD TESTING LABORATORY

Address: 4416 NE 11TH AVE FT. LAUDERDALE, FL 33334

Phone Number: (440) 449-2525



OCT 2 1998

Solid Waste Section

EXPLANATION

4MW2 ⊕ EXISTING GROUND-WATER COMPLIANCE MONITORING WELL AND DESIGNATION

2MW2 ○ EXISTING GROUND-WATER COMPLIANCE MONITORING WELL AND DESIGNATION

4MW16D ⊕ PROPOSED GROUND-WATER DETECTION MONITORING WELL AND DESIGNATION

NOTE:
(4MW)=4" PVC FLORIDAN AQUIFER WELL
(2MW)=2" PVC SURFICIAL AQUIFER WELL

0 1000
Scale In Feet

Prepared/Date: DAG 10/09/98
Checked/Date: GWE 10/09/98

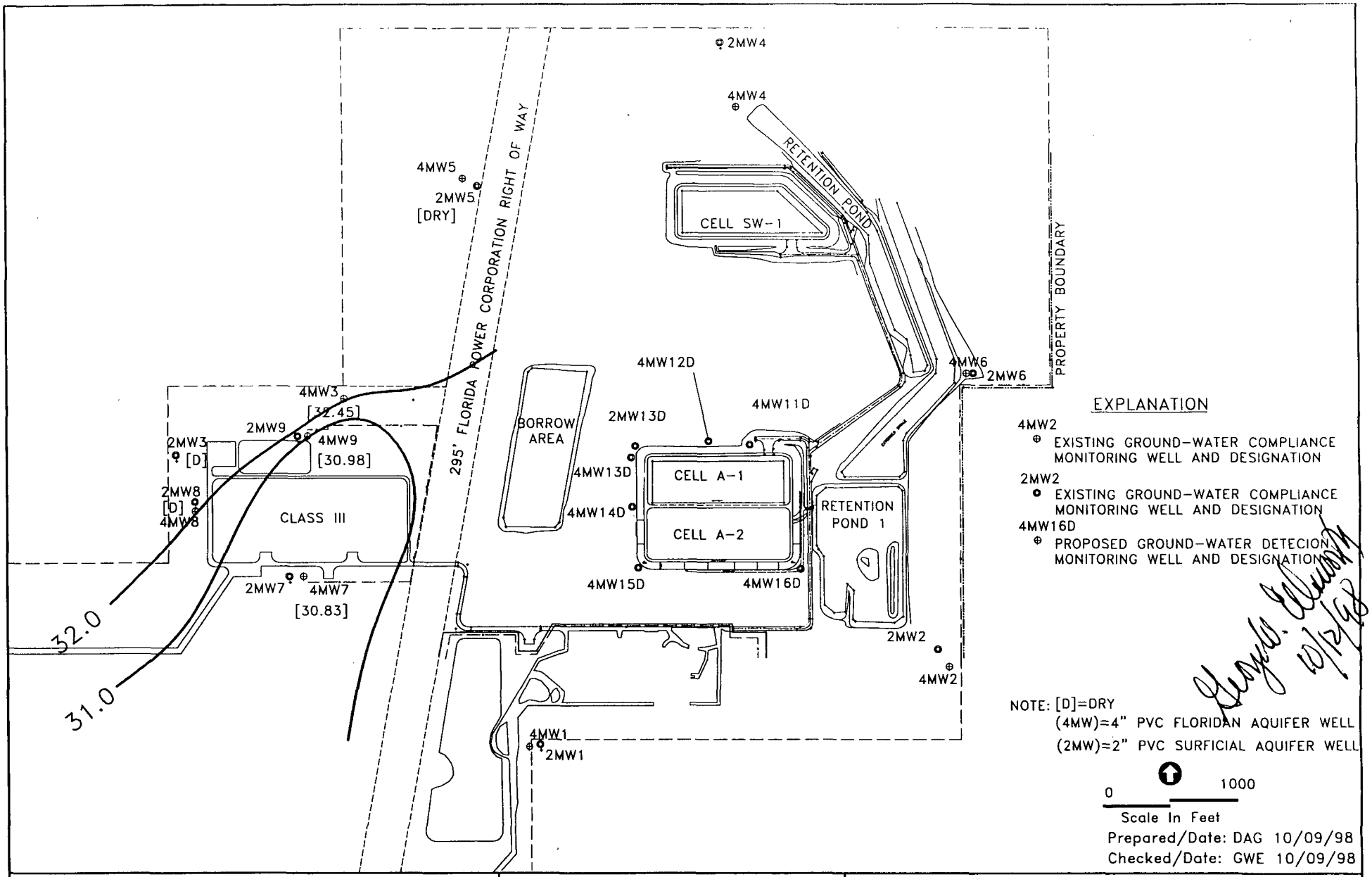
PASCO/4180323

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

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES

RESOUCE RECOVERY FACILITY
PASCO COUNTY, FLORIDA
SURFICIAL AQUIFER WATER TABLE MAP
JULY 1998

Project 40141-5-0869 Figure 1



PASCO/4180323

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

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES

RESOUCE RECOVERY FACILITY
PASCO COUNTY, FLORIDA
FLORIDAN AQUIFER POTENIOMETRIC SURFACE MAP
JULY 1998

Project 40141-5-0869

Figure 2

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 07/14/98 @ 1355

Test Site ID #: 4051A16325 Report Period: 1998 / Quarter III (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. 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/s081703(1)

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/14/98 @ 1345

Test Site ID #: 4051A16325

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

Well Name: 4MW-3A

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

Groundwater Elevation (NGVD): 6322

or (MSL): 32.45

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	07/14/98 1700	<0.11	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B	07/15/98 1515	38.5	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B	07/14/98 1445	0.30	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B	07/17/98 1300	143	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/14/98 1700	480	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B	07/14/98 1345	6.95	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B	07/15/98 1140	0.15	mg/L	0.02	mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0009	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4	07/21/98 1100	33.7	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B	07/21/98 1600	<0.03	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83	07/25/98 0930	<0.02	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B	07/14/98 1345	25.00	°C	0	°C
000680	TOC	"	"	SM 5310B	07/15/98 1334	3.05	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/14/98 1345	740	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	07/14/98 1636	160	mg/L	1	mg/L
072020	Water Level (MSL)	"	"		07/14/98 1345	32.45	Feet		Feet

OCT 2 1 1998

*Attach Laboratory Reports

Solid Waste Section

mo/s081703(6)

PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: 07/14/98 @ 13:45

Test Site ID #: _____ Report Period: _____
(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 200.7	07/22/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/22/98	<0.005	0.005
01007	Barium			EPA 200.7	07/22/98	0.027	0.005
01012	Beryllium			EPA 200.7	07/22/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/22/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/22/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/22/98	<0.005	0.005
01042	Copper			EPA 200.7	07/22/98	<0.005	0.005
01051	Lead			EPA 200.7	07/22/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/22/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/22/98	<0.005	0.005
01077	Silver			EPA 200.7	07/22/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/22/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/22/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/22/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW3A

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 8260B	07/27/98	<10	10
34215	Acrylonitrile			EPA 8260B	07/27/98	<10	10
34235	Benzene			EPA 8260B	07/27/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/27/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/27/98	<5.0	5.0
32104	Bromoform			EPA 8260B	07/27/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/27/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/27/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	07/27/98	<5.0	5.0
32106	Chloroform			EPA 8260B	07/27/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/27/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/27/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/27/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/27/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	07/27/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/27/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/27/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/27/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/27/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/27/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	07/27/98	<10	10
34413	Methyl bromide			EPA 8260B	07/27/98	<5.0	5.0

PART III– ANALYTICAL RESULTS (Continued) 4MW3A

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 8260B	07/27/98	<5.0	5.0
77596	Methylene bromide			EPA 8260B	07/27/98	<5.0	5.0
34423	Methylene chloride			EPA 8260B	07/27/98	<5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/27/98	<10	10
49262	Methyl iodide			EPA 8260B	07/27/98	<10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/27/98	<10	10
77128	Styrene			EPA 8260B	07/27/98	<5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/27/98	<5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/27/98	<5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/27/98	<3.0	3.0
78131	Toluene			EPA 8260B	07/27/98	<5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/27/98	<5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/27/98	<5.0	5.0
34485	Trichloroethene			EPA 8260B	07/27/98	<3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/27/98	<5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/27/98	<5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/27/98	<10	10
39175	Vinyl chloride			EPA 8260B	07/27/98	<1.0	1.0
81551	Xylenes			EPA 8260B	07/27/98	<5.0	5.0

SAMPLE ID 4MW3A SAMPLE # 04 FRACTIONS: A
Date & Time Collected 07/14/98 13:45:00 Category WATER

AG	ND	AS	ND	BA	0.027	BE	ND	CD	ND	CO	ND
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	ND	CU	ND	DBCP	ND	EDB	ND	NI	ND	PB	ND
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	ND	SE	ND	TL	ND	V	ND	ZN	ND		
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005	mg/L	DL=0.100		

Received: 07/16/98 Results by Sample

SAMPLE ID 4MW3A FRACTION 04A TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA
Date & Time Collected 07/14/98 13:45:00 Category WATER

EPA 8260 PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromchloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2-2-Dichlorpropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:
DATE RUN 07/27/98
ANALYST XL
INSTRUMENT B
DIL. FACTOR 1
UNITS ug/L
COMMENTS

ND = Not detected at detection limit

SAMPLE ID 4MW3A FRACTION 04A TEST CODE GENERC NAME GENERIC TEST METHOD
Date & Time Collected 07/14/98 13:45:00 Category WATER

SPECIAL TEST REPORT

ANALYTE	RESULT	REPORTING LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...
DATE RUN.... 07/27/98
ANALYST..... XL
EPA METHOD.. 8260B
UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/14/98 @ 0840

Test Site ID #: 4051A16325 6235

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

Well Name: 2MW-7

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

RECEIVED
OCT 21 1998
Solid Waste Section

*Attach Laboratory Reports

mo/s081703(2)

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/14/98 @ 0930

Test Site ID #: 4051A16325

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

Well Name 4MW-7

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

6232

Groundwater Elevation (NGVD): _____

or (MSL): 30.83

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	07/14/98 1700	<0.11	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B	07/15/98 1515	3.23	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B	07/14/98 1445	0.30	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B	07/17/98 1300	7.34	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/14/98 1700	180	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B	07/14/98 0930	7.24	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B	07/15/98 1140	<0.02	mg/L	0.02	mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0007	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4	07/21/98 1100	<1	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B	07/21/98 1600	<0.03	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83	07/25/98 0930	<0.02	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B	07/14/98 0930	23.60	°C	0	°C
000680	TOC	"	"	SM 5310B	07/15/98 1334	1.58	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/14/98 0930	270	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	07/14/98 1636	152	mg/L	1	mg/L
072020	Water Level (MSL)	"	"		07/14/98 0930	30.83	Feet		Feet

OCT 2 1 1998

Solid Waste Section

*Attach Laboratory Reports

mo/s081703(7)

PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: 07/14/98 @ 09:30

Test Site ID #: _____ Report Period: _____
(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 200.7	07/22/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/22/98	<0.005	0.005
01007	Barium			EPA 200.7	07/22/98	0.011	0.005
01012	Beryllium			EPA 200.7	07/22/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/22/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/22/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/22/98	<0.005	0.005
01042	Copper			EPA 200.7	07/22/98	<0.005	0.005
01051	Lead			EPA 200.7	07/22/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/22/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/22/98	<0.005	0.005
01077	Silver			EPA 200.7	07/22/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/22/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/22/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/22/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW7

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 8260B	07/27/98	<10	10
34215	Acrylonitrile			EPA 8260B	07/27/98	<10	10
34235	Benzene			EPA 8260B	07/27/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/27/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/27/98	<5.0	5.0
32104	Bromoform			EPA 8260B	07/27/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/27/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/27/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	07/27/98	<5.0	5.0
32106	Chloroform			EPA 8260B	07/27/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/27/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/27/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/27/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/27/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	07/27/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/27/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/27/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/27/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/27/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/27/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	07/27/98	<10	10
34413	Methyl bromide			EPA 8260B	07/27/98	<5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW7

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 8260B	07/27/98	<5.0	5.0
77596	Methylene bromide			EPA 8260B	07/27/98	<5.0	5.0
34423	Methylene chloride			EPA 8260B	07/27/98	<5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/27/98	<10	10
49262	Methyl iodide			EPA 8260B	07/27/98	<10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/27/98	<10	10
77128	Styrene			EPA 8260B	07/27/98	<5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/27/98	<5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/27/98	<5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/27/98	<3.0	3.0
78131	Toluene			EPA 8260B	07/27/98	<5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/27/98	<5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/27/98	<5.0	5.0
34485	Trichloroethene			EPA 8260B	07/27/98	<3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/27/98	<5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/27/98	<5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/27/98	<10	10
39175	Vinyl chloride			EPA 8260B	07/27/98	<1.0	1.0
81551	Xylenes			EPA 8260B	07/27/98	<5.0	5.0

 TOXIKON CORP. REPORT Work Order # 98-07-315

Received: 07/16/98 07/29/98 12:24:11

REPORT TO: NATIONAL TESTING LABORATORIES
6555 WILSON MILLS RD
CLEVLAND OHIO 44143
800-458-3330;FAX:216-449-8585
ATTEN ROSE STIBILA

PREPARED BY: TOXIKON CORPORATION
15 WIGGINS AVE
BEDFORD, MA 01730
CERTIFIED BY
ATTEN PAUL LEZBERG
PHONE (617)275-3330
CONTACT MARKETING

CLIENT N T L SAMPLES 4
COMPANY NATIONAL TESTING LABORATORIES
FACILITY 6555 WILSON MILLS RD
CLEVLAND OHIO 44143

MA CERT # M-MA064: TRACE METALS, SULFATE,CYANIDE,RES. FREE CHLORINE, Ca, TOTAL ALK., TDS, pH, THMs, VOC, PEST.,NUTRIENTS. DEMAND. O&G, PHENOLICS, PCBs . CT DHS #PH-0563, NY #10778 FL HRS E87143, NJ DEP 59538, NC DNR286, SC 88002, NH 204091-C.

WORK ID PASCO COUNTY UTILITIES LAB
TAKEN 7/14/98
TRANS
TYPE WATER
P.O. #
INVOICE under separate cover

VERIFIED BY: Susan G Weinauer

SAMPLE IDENTIFICATION

01	4MW7
02	4MW8
03	4MW9
04	4MW3A

TEST CODES and NAMES used on this workorder

8260NH	PURGEABLE ORGANICS VOA
AG	SILVER
AS	ARSENIC
BA	BARIUM
BE	BERYLLIUM
CD	CADMIUM
CO	COBALT
CR	CHROMIUM
CU	COPPER
DBCP	DBCP
EDB	Ethylene Dibromide
GENERC	GENERIC TEST METHOD
MEXTRC	METALS,TOT WATER EXT.TRACE
NI	NICKEL
PB	LEAD
SB	ANTIMONY
SE	SELENIUM
TL	THALLIUM
V	VANADIUM
ZN	ZINC

Received: 07/16/98 Results by Sample

SAMPLE ID 4MW7 SAMPLE # 01 FRACTIONS: A
Date & Time Collected 07/14/98 09:30:00 Category WATER

AG	ND	AS	ND	BA	0.011	BE	ND	CD	ND	CO	ND
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	ND	CU	ND	DBCP	ND	EDB	ND	NI	ND	PB	ND
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	ND	SE	ND	TL	ND	V	ND	ZN	ND		
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005	mg/L	DL=0.100		

Received: 07/16/98 Results by Sample

SAMPLE ID 4MW7 FRACTION 01A TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA
Date & Time Collected 07/14/98 09:30:00 Category WATER

EPA 8260 PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromchloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2-2-Dichlorpropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:
DATE RUN 07/27/98
ANALYST XL
INSTRUMENT B
DIL. FACTOR 1
UNITS ug/L
COMMENTS

ND = Not detected at detection limit

Received: 07/16/98 Results by Sample

SAMPLE ID 4MW7 FRACTION 01A TEST CODE GENERC NAME GENERIC TEST METHOD
Date & Time Collected 07/14/98 09:30:00 Category WATER

SPECIAL TEST REPORT

ANALYTE	RESULT	REPORTING LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...
DATE RUN.... 07/27/98
ANALYST..... XL
EPA METHOD.. 8260B
UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/14/98 @ 0940

Test Site ID #: 4051A16325

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

Well Name: 2MW-8

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Groundwater Elevation (NGVD): _____

or (MSL): _____

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 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

[illegible]

OCT 21 1998

Solid Waste Section

*Attach Laboratory Reports

mo/s081703(3)

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/14/98 @ 1030

Test Site ID #: 4051A16325

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

Well Name: 4MW-8

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

Groundwater Elevation (NGVD): 6233

or (MSL): 32.50

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	07/14/98 1700	<0.11	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B	07/15/98 1515	3.73	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B	07/14/98 1445	0.90	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B	07/17/98 1300	7.31	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/14/98 1700	176	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B	07/14/98 1030	7.13	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B	07/15/98 1140	<0.02	mg/L	0.02	mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0007	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4	07/21/98 1100	<1	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B	07/21/98 1600	<0.03	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83	07/25/98 0930	<0.02	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B	07/14/98 1030	23.90	°C	0	°C
000680	TOC	"	"	SM 5310B	07/15/98 1334	0.77	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/14/98 1030	275	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	07/14/98 1636	152	mg/L	1	mg/L
072020	Water Level (MSL)	"	"		07/14/98 1030	32.50	Feet		Feet

OCT 21 1998

*Attach Laboratory Reports

mo/s081703(8)

PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: 07/14/98 @ 10:30

Test Site ID #: _____ Report Period: _____
(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 200.7	07/22/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/22/98	<0.005	0.005
01007	Barium			EPA 200.7	07/22/98	0.011	0.005
01012	Beryllium			EPA 200.7	07/22/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/22/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/22/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/22/98	<0.005	0.005
01042	Copper			EPA 200.7	07/22/98	<0.005	0.005
01051	Lead			EPA 200.7	07/22/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/22/98	0.006	0.005
01147	Selenium			EPA 200.7	07/22/98	<0.005	0.005
01077	Silver			EPA 200.7	07/22/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/22/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/22/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/22/98	<0.100	0.100

PART III – ANALYTICAL RESULTS (Continued) 4MW8

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 8260B	07/27/98	<10	10
34215	Acrylonitrile			EPA 8260B	07/27/98	<10	10
34235	Benzene			EPA 8260B	07/27/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/27/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/27/98	<5.0	5.0
32104	Bromoform			EPA 8260B	07/27/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/27/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/27/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	07/27/98	<5.0	5.0
32106	Chloroform			EPA 8260B	07/27/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/27/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/27/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/27/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/27/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	07/27/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/27/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/27/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/27/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/27/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/27/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	07/27/98	<10	10
34413	Methyl bromide			EPA 8260B	07/27/98	<5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW8

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 8260B	07/27/98	<5.0	5.0
77596	Methylene bromide			EPA 8260B	07/27/98	<5.0	5.0
34423	Methylene chloride			EPA 8260B	07/27/98	<5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/27/98	<10	10
49262	Methyl iodide			EPA 8260B	07/27/98	<10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/27/98	<10	10
77128	Styrene			EPA 8260B	07/27/98	<5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/27/98	<5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/27/98	<5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/27/98	<3.0	3.0
78131	Toluene			EPA 8260B	07/27/98	<5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/27/98	<5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/27/98	<5.0	5.0
34485	Trichloroethene			EPA 8260B	07/27/98	<3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/27/98	<5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/27/98	<5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/27/98	<10	10
39175	Vinyl chloride			EPA 8260B	07/27/98	<1.0	1.0
81551	Xylenes			EPA 8260B	07/27/98	<5.0	5.0

SAMPLE ID 4MW8 SAMPLE # 02 FRACTIONS: A
Date & Time Collected 07/14/98 10:30:00 Category WATER

AG	ND	AS	ND	BA	0.011	BE	ND	CD	ND	CO	ND
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	ND	CU	ND	DBCP	ND	EDB	ND	NI	0.006	PB	ND
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	ND	SE	ND	TL	ND	V	ND	ZN	ND		
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005	mg/L	DL=0.100		

Received: 07/16/98 Results by Sample

SAMPLE ID 4MW8 FRACTION 02A TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA
Date & Time Collected 07/14/98 10:30:00 Category WATER

EPA 8260 PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromchloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2-2-Dichlorpropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 07/27/98
ANALYST XL
INSTRUMENT B
DIL. FACTOR 1
UNITS ug/L
COMMENTS

ND = Not detected at detection limit

SAMPLE ID 4MW8 FRACTION 02A TEST CODE GENERC NAME GENERIC TEST METHOD
Date & Time Collected 07/14/98 10:30:00 Category WATER

SPECIAL TEST REPORT

ANALYTE	RESULT	REPORTING LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...
DATE RUN.... 07/27/98
ANALYST..... XL
EPA METHOD.. 8260B
UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/14/98 @ 1040

Test Site ID #: 4051A16325

Report Period: 1998 / Quarter III (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

OCT 2 1 1998

Solid Waste Section

*Attach Laboratory Reports

mo/s081703(4)

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/14/98 @ 1150

Test Site ID #: 4051A16325

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

Well Name: 4MW-9

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

Groundwater Elevation (NGVD): 6234

or (MSL): 30.98

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	07/14/98 1700	<0.11	mg/L	0.11	mg/L
000929	Sodium	"	"	SM 3111B	07/15/98 1515	4.88	mg/L	0.01	mg/L
082079	Turbidity	"	"	SM 2130B	07/14/98 1445	0.55	NTU	0.01	NTU
000940	Chloride	"	"	SM 4500Cl-B	07/17/98 1300	18.1	mg/L	0.15	mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/14/98 1700	232	mg/L	1	mg/L
000400	pH-Field	"	"	SM 4500H+B	07/14/98 1150	7.00	Std. Units	0.01	Std. Units
001045	Iron	"	"	SM 3113B	07/15/98 1140	0.03	mg/L	0.02	mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0009	mg/L	0.0002	mg/L
000945	Sulfate	"	"	EPA 375.4	07/21/98 1100	2.12	mg/L	1	mg/L
000610	Ammonia	"	"	SM 4500NH_3B	07/21/98 1600	<0.03	mg/L	0.03	mg/L
000612	NH4-N	"	"	DEP SOP 10/03/83	07/25/98 0930	<0.02	mg/L	0.02	mg/L
000010	Temperature (Field)	"	"	SM 2550B	07/14/98 1150	24.00	°C	0	°C
000680	TOC	"	"	SM 5310B	07/15/98 1334	1.01	mg/L	0.5	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/14/98 1150	340	µmhos/cm	0.00	µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	07/14/98 1636	170	mg/L	1	mg/L
072020	Water Level (MSL)	"	"		07/14/98 1150	30.98	Feet		Feet

*Attach Laboratory Reports

RECEIVED
OCT 21 1998
Solid Waste Section

mo/s081703(9)

PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: 07/14/98 @ 11:50

Test Site ID #: _____ Report Period: _____
(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 200.7	07/22/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/22/98	<0.005	0.005
01007	Barium			EPA 200.7	07/22/98	0.012	0.005
01012	Beryllium			EPA 200.7	07/22/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/22/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/22/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/22/98	<0.005	0.005
01042	Copper			EPA 200.7	07/22/98	<0.005	0.005
01051	Lead			EPA 200.7	07/22/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/22/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/22/98	<0.005	0.005
01077	Silver			EPA 200.7	07/22/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/22/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/22/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/22/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW9

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 8260B	07/27/98	<10	10
34215	Acrylonitrile			EPA 8260B	07/27/98	<10	10
34235	Benzene			EPA 8260B	07/27/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/27/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/27/98	<5.0	5.0
32104	Bromoform			EPA 8260B	07/27/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/27/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/27/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	07/27/98	<5.0	5.0
32106	Chloroform			EPA 8260B	07/27/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/27/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/27/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/27/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/27/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/27/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	07/27/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/27/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/27/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/27/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/27/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/27/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/27/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	07/27/98	<10	10
34413	Methyl bromide			EPA 8260B	07/27/98	<5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW9

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 8260B	07/27/98	<5.0	5.0
77596	Methylene bromide			EPA 8260B	07/27/98	<5.0	5.0
34423	Methylene chloride			EPA 8260B	07/27/98	<5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/27/98	<10	10
49262	Methyl iodide			EPA 8260B	07/27/98	<10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/27/98	<10	10
77128	Styrene			EPA 8260B	07/27/98	<5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/27/98	<5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/27/98	<5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/27/98	<3.0	3.0
78131	Toluene			EPA 8260B	07/27/98	<5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/27/98	<5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/27/98	<5.0	5.0
34485	Trichloroethene			EPA 8260B	07/27/98	<3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/27/98	<5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/27/98	<5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/27/98	<10	10
39175	Vinyl chloride			EPA 8260B	07/27/98	<1.0	1.0
81551	Xylenes			EPA 8260B	07/27/98	<5.0	5.0

SAMPLE ID 4MW9 SAMPLE # 03 FRACTIONS: A
Date & Time Collected 07/14/98 11:50:00 Category WATER

AG	ND	AS	ND	BA	0.012	BE	ND	CD	ND	CO	ND
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	ND	CU	ND	DBCP	ND	EDB	ND	NI	ND	PB	ND
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	ND	SE	ND	TL	ND	V	ND	ZN	ND		
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005	mg/L	DL=0.100		

SAMPLE ID 4MW9 FRACTION 03A TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA
Date & Time Collected 07/14/98 11:50:00 Category WATER

EPA 8260 PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromchloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2-2-Dichlorpropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:
DATE RUN 07/27/98
ANALYST XL
INSTRUMENT B
DIL. FACTOR 1
UNITS ug/L
COMMENTS

ND = Not detected at detection limit

SAMPLE ID 4MW9 FRACTION 03A TEST CODE GENERC NAME GENERIC TEST METHOD
Date & Time Collected 07/14/98 11:50:00 Category WATER

SPECIAL TEST REPORT

ANALYTE	RESULT	REPORTING LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...
DATE RUN.... 07/27/98
ANALYST..... XL
EPA METHOD.. 8260B
UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA

EPA METHOD: 8260: Gas Chromatography/Mass Spectrometry for Volatile Organics.

Reference: Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods. EPA SW-846 (Third Edition) 1986. Office of Solid Waste, USEPA.

RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

TEST CODE DBCP NAME DBCP

EPA METHOD:504 1,2-DIBROMO-3-CHLOROPROPANE

REFERENCE:Methods for the Determination of Organic Compounds in Drinking Water. EPA 600/4-88/039,December 1988,pg.89. 1,2-Dibromoethane (EDB) and 1,2-Dibromo-3-Chloropropane (DBCP) in water by Microextraction and Gas Chromatography.

TEST CODE EDB NAME Ethylene Dibromide

EPA METHOD: 504

Reference: Methods for the Determination of Organic Compounds in Drinking Water. EPA/600/4-88/039, December 1988, pg. 89. 1,2-Dibromoethane (EDB) and 1,2,-Dibromo-3-Chloropropane (DBCP) in Water by Microextraction and Gas Chromatography.

Received: 07/16/98 Test Methodology

TEST CODE GENERC NAME GENERIC TEST METHOD

METHOD REFERENCES ARE CONTAINED ON THE DATA PAGE

TEST CODE MEXTRC NAME METALS,TOT WATER EXT.TRACE

Method not available.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/14/98 @ 1200

Test Site ID #: 4051A16325

Report Period: 1998 / Quarter III (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

OCT 2 1 1998

mo/s081703(5)

CASE NARRATIVE

Work Order: 9807315

All samples were analyzed within the method holding times.

No target compounds were detected in the method blanks.

* Please note that for EDB and DBCP, the LCS, Matrix Spike and Matrix Spike Duplicate percent recoveries were out of control high. However, the samples are all ND and therefore are not affected by any bias high if there is bias present.

RECEIVED

OCT 2 1 1998

Solid Waste Section

TOXIKON

SPIKE RECOVERY DATA SHEET
(METHOD 504/8011)

PROJECT : 9807315
MATRIX : WATER

LABORATORY CONTROL SPIKE: 980727EDB

COMPOUND	SPIKE ADDED (ug/L)	LCS CONC. (ug/L)	LCS % RECOVERY	QC LIMITS % REC.
EDB	0.25	0.306	122	70 - 112
DBCP	0.25	0.303	121.2	70 - 112

MATRIX SPIKE MS9807282.3

COMPOUND	SPIKE ADDED (ug/L)	MS CONC. (ug/L)	MS % RECOVERY	QC LIMITS % REC.
EDB	0.25	0.313	125.2	70 - 112
DBCP	0.25	0.304	121.6	70 - 112

D - Indicates Diluted Out
INT - Indicates Interference

MATRIX SPIKE DUP MD9807282.

COMPOUND	SPIKE ADDED (ug/L)	MSD CONC. (ug/L)	MSD % RECOVERY	% RPD	QC LIMITS
EDB	0.25	0.361	144	14	<15
DBCP	0.25	0.303	121.2	0.821	<15

D - Indicates Diluted Out
INT - Indicates Interference

TOXIKON

GC/MS VOLATILE SURROGATE % RECOVERY (METHOD 8260)

PROJECT # : 9807315
MATRIX : WATER

SAMPLE NUMBER	S1 (DBF) #	S2 (TOL) #	S3 (BFB) #
METHOD BLANK	90	91	90
MS9807326.1	97	99	105
MSD9807326.1	95	101	97
9807315.1	96	93	92
9807315.2	101	92	92
9807315.3	103	88	90
9807315.4	102	93	90

	QC LIMITS SOIL	QC LIMITS WATER
S1 (DBF) = Dibromofluoromethane	(80 - 120)	(86 - 118)
S2 (TOL) = Toluene-d8	(81 - 117)	(88 - 110)
S3 (BFB) = 4-Bromofluorobenzene	(74 - 121)	(86 - 115)

TOXIKON

QC SUMMARY - METALS

PROJECT : 9807315
MATRIX : WATER

SPIKE SAMPLE: 9807315.1
HG SPIKE SAMPLE: NA

ANALYTE	METHOD BLANK	LCS (% REC)	MS (% REC)	DUPLICATE (% RPD)
Ag	ND	97	96	0
As	ND	102	101	0
Ba	ND	106	103	7.8
Be	ND	111	110	0
Cd	ND	104	101	0
Cu	ND	106	105	0
Ni	ND	105	103	0
Pb	ND	104	102	0
Sb	ND	102	100	0
Se	ND	97	97	0
Tl	ND	98	96	0
V	ND	107	105	0
Zn	ND	109	89	24

ACCEPTANCE CRITERIA

ANALYTE	METHOD BLANK	MS (% REC)	LCS (% REC)	DUPLICATE (% RPD)
Ag	BDL	65 - 125	80 - 120	<25
Hg	BDL	75 - 125	80 - 120	<25
All Others	BDL	80 - 120	80 - 120	<25

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: CL-III GWM
DATE: 08/07/98

LAB No.	SAMPLE DATE	TIME	SAMPLER	DELIVERY TO LAB DATE	TIME	MATRIX
69045	07/14/98	1345	CHRIS CHILDRESS	07/14/98	1430	WW
69046	07/14/98	0930	CHRIS CHILDRESS	07/14/98	1430	WW
69047	07/14/98	1030	CHRIS CHILDRESS	07/14/98	1430	WW
69048	07/14/98	1150	CHRIS CHILDRESS	07/14/98	1430	WW

		CLIENT STATION ID:	4MW-3A	4MW-7	4MW-8	4MW-9
		LAB #:	69045	69046	69047	69048
H20 LEVEL	FEET		32.45	30.83	32.50	30.98
PH, FIELD	STD. UNITS		6.95	7.24	7.13	7.00
FIELD TEMP	DEGREES C		25.00	23.60	23.90	24.00
COND.FIELD	umhos/cm		740	270	275	340
DO, FIELD	mg/L		0.50	1.00	0.70	0.70
BICARB.ALK	mg/l		160	152	152	170
TOC	mg/L		3.05	1.58	0.77	1.01
CL- (auto)	mg/L		143	7.34	7.31	18.1
COLOR	PCU		5	0	0	0
FECAL MF	MF/100 ml		<1	<1	<1	<1
NH3 (AUTO)	mg/L		<0.03	<0.03	<0.03	<0.03
NH3-UNION	mg/L		<0.02	<0.02	<0.02	<0.02
NO3	mg/L		<0.11	<0.11	<0.11	<0.11
TDS	mg/L		480	180	176	232
SO4	mg/L		33.7	<1	<1	2.12
TURB	NTU		0.30	0.30	0.90	0.55
FE/T/AA	mg/L		0.15	<0.02	<0.02	0.03
HG/T/CVAA	mg/L		0.0009	0.0007	0.0007	0.0009
NA/T/FLAA	mg/L		38.5	3.23	3.73	4.88

LABORATORY DIRECTOR

OCT 21 1998

Solid Waste Section

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
ComQAP # 8701676

QC REPORT FOR CLASS III LANDFILL 08/07/98

QA/QC for SAMPLE Nos: 69045, 69046, 69047, 69048,

		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.	69045	165	156.8	8.2	5.10	-------	STANDARD	10	9.81	98.10
SM2320B										
mg/l										
TOT.ORGANIC CARBON	69045	--------	--------	--------	--------	98.17	TOC STD	0.700	0.745	106.43
SM 5310	69048	1.027	1.001	0.026	2.56	-------	TOC STD	5.000	4.613	92.26
mg/L										
CHLORIDE	68833	384	355	29	7.85	-------	STANDARD	80.0	76.79	96.00
SM4500CL E	68835	275	286	11	3.92	-------	STANDARD	80	84.3	105.40
mg/L	68895	191	208	17	8.52	-------	STANDARD	80	79.8	99.75
	69045	139	148	9.0	6.27	-------	----------	--------	--------	-------
	69048	--------	--------	--------	--------	112.40	----------	--------	--------	-------
	69119	11.4	11.3	0.10	0.88	-------	----------	--------	--------	-------
COLOR		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
SM 2120B										
PCU										
FECAL COLIFORM MF	69048	<1	<1	0.50	0.00	-------	----------	--------	--------	-------
SM9222D										
MF/100 ml										
AMMONIA NITROGEN	69046	--------	--------	--------	--------	95.31	NH3 STD	1.200	1.118	93.16
SM4500NH3H	69048	<0.03	<0.03	0.015	0.00	-------	NH3 STD	1.200	1.159	96.65
mg/L										

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 8701676

QC REPORT FOR CLASS III LANDFILL 08/07/98

QA/QC for SAMPLE Nos: 69045, 69046, 69047, 69048,

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
UN-IONIZED AMMONIA N DEP SOP mg/L		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
NITRATE	69015					93.99	NO3 STD	4.000	4.054	101.35
SM4500NO3F	69017	0.56	0.52	0.040	7.41		NO3 STD	4.000	3.930	98.26
mg/L	69042	<0.11	<0.11	0.055	0.00					
	69047	<0.11	<0.11	0.055	0.00					
	69048					97.28				
TOTAL DISS.SOLIDS	69048	232	227	5.0	2.18		STD	293	309	94.80
SM2540C mg/L										
SULFATE	69046					97.30	STD	20.0	19.1	95.70
EPA375.4	69097	67.3	68.0	0.70	1.03					
mg/L										
TURBIDITY SM 2130 B NTU		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
IRON,TOTAL	69045	.141	.151	0.010	6.85	100.00				
SM3113B mg/l										

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 8701676

QC REPORT FOR CLASS III LANDFILL 08/07/98

QA/QC for SAMPLE Nos: 69045, 69046, 69047, 69048,
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	69141	0.63	0.86	0.23	30.87	106.70	----------	--------	--------	------
SODIUM,TOTAL SM3111B mg/L	69045	7.95	7.69	0.26	3.32	102.00	----------	--------	--------	------

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	ANALYSIS DATE	TIME	ANALYST	MDL
BICARB.ALK	SM2320B	07/14/98	1636	CEM	1
CL- (auto)	SM4500CL E	07/17/98	1300	CEM	0.62
COLOR	SM 2120B	07/14/98	1500	CSC	0.0
COND.FIELD	SM2510B	07/14/98	0930	CSC	1
DO. FIELD	SM4500-O G	07/14/98	0930	CSC	0.01
FE/T/AA	SM3113B	07/15/98	1140	TER	0.001
FECAL MF	SM9222D	07/14/98	1431	CEM	1
FIELD TEMP	SM2550B	07/14/98	0930	CSC	0
H20 LEVEL	FIELD	07/14/98	0930	CSC	0.00
HG/T/CVAA	SM3112B	08/05/98	1530	TER	0.0005
NA/T/FLAA	SM3111B	07/15/98	1515	TER	0.01
NH3 (AUTO)	SM4500NH3H	07/21/98	1600	IF	0.03
NH3-UNION	DEP SOP	07/23/98	0930	CEM	0.02
NO3	SM4500NO3F	07/14/98	1700	IF	0.11
PH. FIELD	SM4500-H+B	07/14/98	0930	CSC	0.01
SO4	EPA375.4	07/21/98	1100	JK	1
TDS	SM2540C	07/14/98	1700	DN	1
TOC	SM 5310	07/15/98	1334	IF	0.50
TURB	SM 2130 B	07/14/98	1445	CSC	0.01