

4051M30035
WAC 45920



PASCO COUNTY, FLORIDA

DASFLCITY (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

03 July 2000

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, 2000

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.

A groundwater exceedence summary table is included for the wells which exceeded MCL's for regulated analytes. A groundwater contour map for this site is also 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

RECEIVED

JUL 16 2000

Solid Waste Section

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 17-522.600(2)
Form Title <u>GROUND WATER MONITORING REPORT</u>
Effective Date _____
DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 17-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name HAYS ROAD CLASS III LANDFILL
Address _____
City _____ Zip _____
Telephone Number (_____) _____
- (2) The GMS Identification Number 4051M30035
- (3) DEP Permit Number 5051-182279
- (4) Authorized Representative Name CANDIA E. MULHERN
Address 8864 GOVERNMENT DRIVE
City NEW PORT RICHEY, FLORIDA Zip 34654
Telephone Number (813) 847-8902
- (5) Type of Discharge Unknown
- (6) Method of Discharge Landfill

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: _____



Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

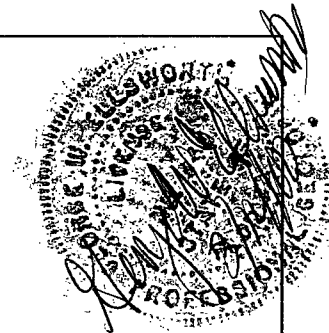
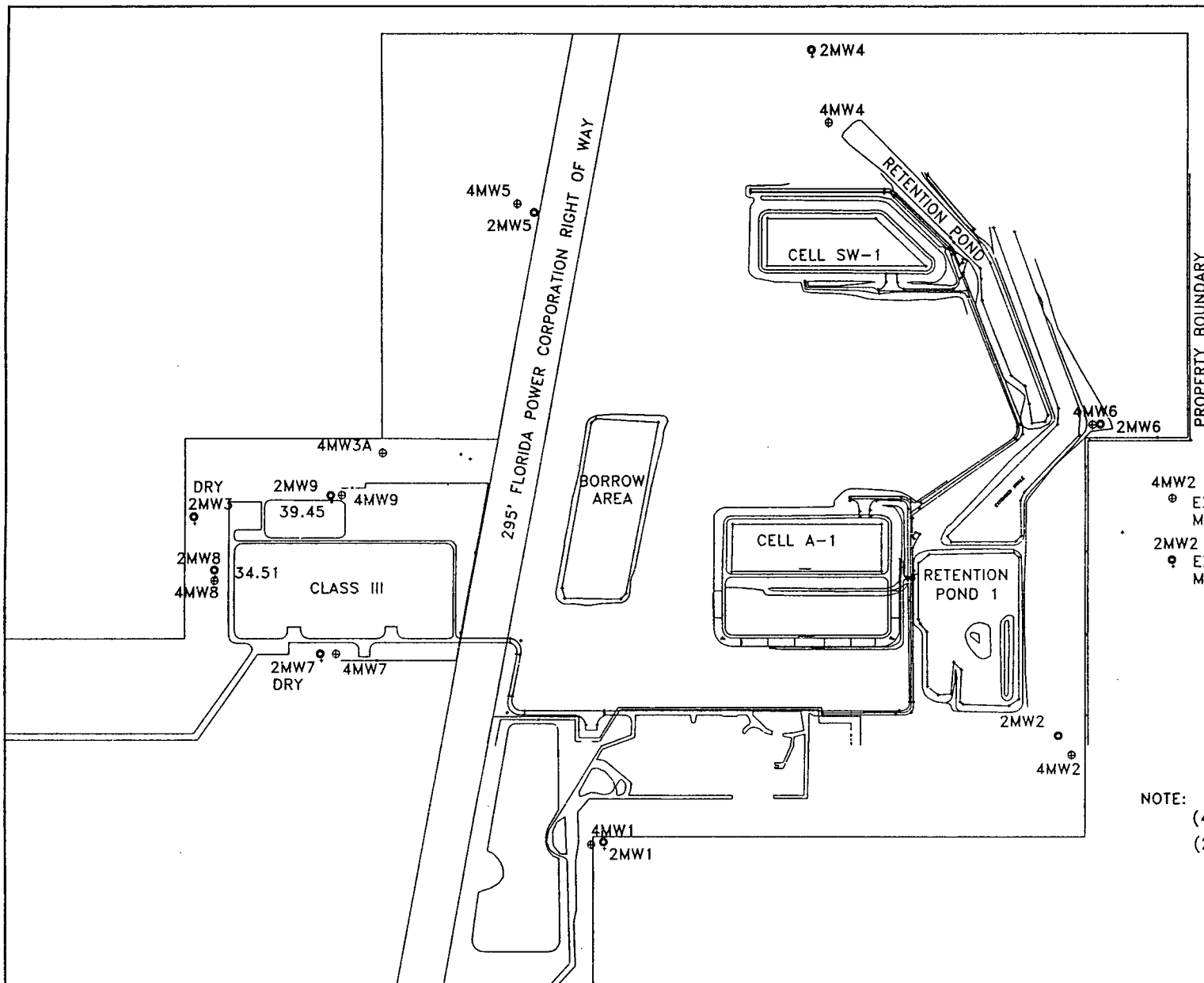
- Sample Organization Comp QAP # 870167
- Analytical Lab Comp QAP #/HRS Certification # 44237; E44123; QAP #870167
*Comp QAP #/HRS Certification # 83139; E83018; QAP #86-0008G
- Lab Name PASCO COUNTY ENVIRONMENTAL LABORATORY
- Address 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654
- Phone Number (813) 847-8902

RECEIVED

JUL 10 2000

**WEST PASCO CLASS III LANDFILL
EXCEEDED ANALYTES
SEMESTER I - 2000**

WELL	ANALYTE	RESULT (mg/L)	RESAMPLE (mg/L)
4MW3A	ANTIMONY	0.01	NONE
4MW8	METHYLENE CHLORIDE	0.00121	NONE



EXPLANATION

- 4MW2
⊕ EXISTING GROUND-WATER COMPLIANCE MONITORING WELL AND DESIGNATION
- 2MW2
⊙ EXISTING GROUND-WATER COMPLIANCE MONITORING WELL AND DESIGNATION

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

0 1000'
Scale In Feet

Prepared/Date: JT 03/10/00
Checked/Date: GWE 03/10/00

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

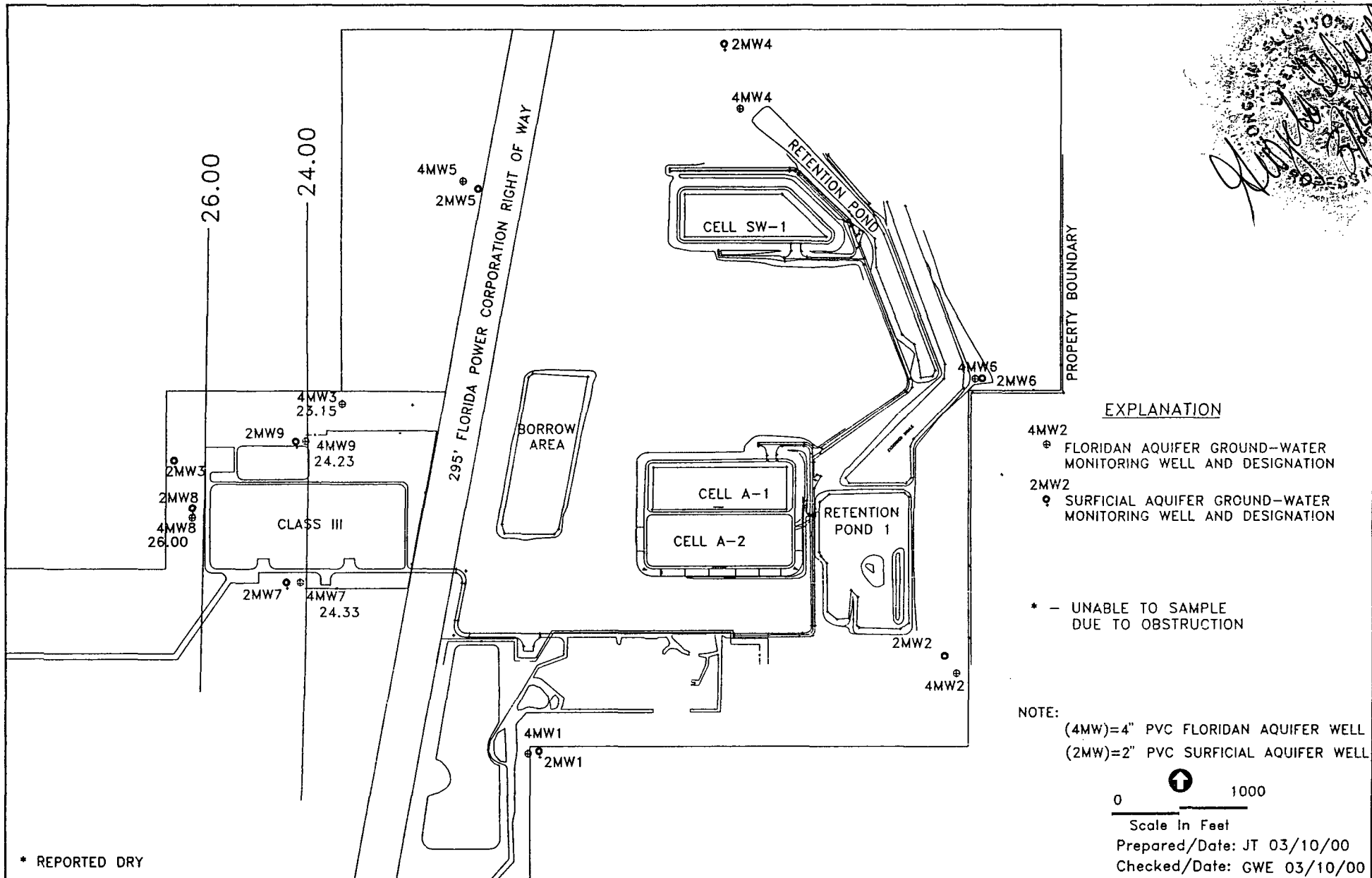
LAW
LAWGIBB Group Member

GROUND-WATER MONITORING

Surficial Aquifer Water Table Map
FEBRUARY 2000

Project # 40141-8-0452_4

Figure 1



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

LAW
LAWGIBB Group Member

Ground-Water Monitoring

Floridan Aquifer Potentiometric Surface Map
FEBUARY 2000

Project #40141-8-0452_3

Figure 2

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 02/28/00 @ 0830

Test Site ID #: 4051A16325

Report Period: 2000 / 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 ₃ F		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 ₃ B		Dry mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		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

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 02/22/00 @ 0920

Test Site ID #: 4051A16325

Report Period: 2000 / Quarter I
(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):

or (MSL): 23.15

W 2359

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 ₃ F	02/25/00 1400	<0.11 mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B	02/25/00 0930	8.71 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	02/22/00 0920	0.0 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/28/00 1400	30.1 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/25/00 0800	230 mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B	02/22/00 0920	6.79 Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B	02/25/00 1015	0.29 mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B	02/29/00 1045	<0.0002 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	02/25/00 0900	3.31 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B	02/24/00 1400	<0.03 mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP	05/25/00 1600	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	02/22/00 0920	20.00 °C	0 °C
000680	TOC	"	"	SM 5310B	02/29/00 1700	1.77 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	02/22/00 0920	336 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	02/25/00 0900	148 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		02/22/00 0920	23.15 Feet	Feet

No D.O.

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 0920

Report Period: _____

Well Name: West Pasco Class III Landfill 4 MW-3A

Well Purged (Y/N): _____

FCL Sample ID: 7110Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	02-25-00 1153	0.000263 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	02-25-00 1153	0.00124 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	02-25-00 1153	0.0118 mg/L	0.00002 mg/L
01012	Beryllium	G	N	EPA6020	02-25-00 1153	<0.00028U mg/L	0.0002 mg/L
01027	Cadmium	G	N	EPA6020	02-25-00 1153	<0.00002U mg/L	0.00028 mg/L
01037	Cobalt	G	N	EPA6020	02-25-00 1153	0.000217 mg/L	0.00002 mg/L
01034	Chromium	G	N	EPA6020	02-25-00 1153	0.000320 mg/L	0.00002 mg/L
01042	Copper	G	N	EPA6020	02-25-00 1153	0.00282 mg/L	0.00005 mg/L
01067	Nickel	G	N	EPA6020	02-25-00 1153	0.00194 mg/L	0.00005 mg/L
01051	Lead	G	N	EPA6020	02-25-00 1153	0.00116 mg/L	0.0004 mg/L
01097	Antimony	G	N	EPA6020	02-25-00 1153	0.0110 mg/L	0.0001 mg/L
01147	Selenium	G	N	EPA6020	02-25-00 1153	0.000994 mg/L	0.00022 mg/L
01059	Thallium	G	N	EPA6020	02-25-00 1153	0.000202 mg/L	0.00022 mg/L
01087	Vanadium	G	N	EPA6020	02-25-00 1153	0.000978 mg/L	0.00001 mg/L
01092	Zinc	G	N	EPA6020	02-25-00 1153	0.0128 mg/L	0.00002 mg/L
	Dilution Factor			EPA5030	02-25-00 2216	1	
081552	Acetone	G	N	EPA8260	02-25-00 2216	<1.4U ug/L	1.403 ug/L
034215	Acrylonitrile	G	N	EPA8260	02-25-00 2216	<2.44U ug/L	2.443 ug/L
034030	Benzene	G	N	EPA8260	02-25-00 2216	<0.252U ug/L	0.252 ug/L
081555	Bromobenzene	G	N	EPA8260	02-25-00 2216	<0.171U ug/L	0.171 ug/L
077297	Bromochloromethane	G	N	EPA8260	02-25-00 2216	<0.158U ug/L	0.158 ug/L
032101	Bromodichloromethane	G	N	EPA8260	02-25-00 2216	<0.441U ug/L	0.441 ug/L
032104	Bromoform	G	N	EPA8260	02-25-00 2216	<0.163U ug/L	0.163 ug/L
034413	Bromomethane	G	N	EPA8260	02-25-00 2216	<0.504U ug/L	0.504 ug/L

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(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Sample Time: 0920

Test Site ID#: _____

Report Period: _____

Well Name: West Pasco Class III Landfill 4 MW-3A

Well Purged (Y/N): _____

FCL Sample ID: 7110

Well Type ☐ Background

Classification of Groundwater: G-II

☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	02-25-00 2216	<0.404U ug/L	0.404 ug/L
077350	sec-butylbenzene	G	N	EPA8260	02-25-00 2216	<0.381U ug/L	0.381 ug/L
077353	tert-butylbenzene	G	N	EPA8260	02-25-00 2216	<0.313U ug/L	0.313 ug/L
077041	Carbon disulfide	G	N	EPA8260	02-25-00 2216	<0.718U ug/L	0.718 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	02-25-00 2216	<0.39U ug/L	0.39 ug/L
034301	Chlorobenzene	G	N	EPA8260	02-25-00 2216	<0.449 ug/L	0.449 ug/L
034311	Chloroethane	G	N	EPA8260	02-25-00 2216	<0.305 ug/L	0.305 ug/L
032105	Chloroform	G	N	EPA8260	02-25-00 2216	<0.251 ug/L	0.251 ug/L
034418	Chloromethane	G	N	EPA8260	02-25-00 2216	<0.537 ug/L	0.537 ug/L
077725	2-chlorotoluene	G	N	EPA8260	02-25-00 2216	<0.434U ug/L	0.434 ug/L
077277	4-chlorotoluene	G	N	EPA8260	02-25-00 2216	<0.335U ug/L	0.335 ug/L
081521	Dibromochloromethane	G	N	EPA8260	02-25-00 2216	<0.285U ug/L	0.285 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	02-25-00 2216	<0.285U ug/L	0.285 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	02-25-00 2216	<0.364U ug/L	0.364 ug/L
081522	Dibromomethane	G	N	EPA8260	02-25-00 2216	<0.402U ug/L	0.402 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	02-25-00 2216	<0.212U ug/L	0.212 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	02-25-00 2216	<0.249U ug/L	0.249 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	02-25-00 2216	<0.375U ug/L	0.375 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	02-25-00 2216	<0.226U ug/L	0.226 ug/L
073547	1,1,4-dichloro-2-butene	G	N	EPA8260	02-25-00 2216	<0.321U ug/L	0.321 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	02-25-00 2216	<0.54U ug/L	0.54 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	02-25-00 2216	<0.202U ug/L	0.202 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	02-25-00 2216	<0.535U ug/L	0.535 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	02-25-00 2216	<0.307U ug/L	0.307 ug/L
034546	trans-1,2-dichloroethene	G	N	EPA8260	02-25-00 2216	<0.538U ug/L	0.538 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597

(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 0920

Report Period: _____

Well Name: West Pasco Class III Landfill 4 MW-3A

Well Purged (Y/N): _____

FCL Sample ID: 7110Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	02-25-00 2216	<0.743U ug/L	0.743 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	02-25-00 2216	<0.434U ug/L	0.434 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	02-25-00 2216	<0.326U ug/L	0.326 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	02-25-00 2216	<0.701U ug/L	0.701 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	02-25-00 2216	<0.218U ug/L	0.218 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	02-25-00 2216	<0.433U ug/L	0.433 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	02-25-00 2216	<0.544U ug/L	0.544 ug/L
034371	Ethylbenzene	G	N	EPA8260	02-25-00 2216	<0.452U ug/L	0.452 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	02-25-00 2216	<0.388U ug/L	0.388 ug/L
077103	2-Hexanone	G	N	EPA8260	02-25-00 2216	<0.347U ug/L	0.347 ug/L
034396	Hexachloroethane	G	N	EPA8260	02-25-00 2216	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	02-25-00 2216	<0.309U ug/L	0.309 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	02-25-00 2216	<0.303U ug/L	0.303 ug/L
034423	Methylene chloride	G	N	EPA8260	02-25-00 2216	<0.241U ug/L	0.241 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	02-25-00 2216	<0.563U ug/L	0.563 ug/L
081595	2-butanone	G	N	EPA8260	02-25-00 2216	<0.884U ug/L	0.884 ug/L
077424	Methyl iodide	G	N	EPA8260	02-25-00 2216	<0.411U ug/L	0.411 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	02-25-00 2216	<0.938U ug/L	0.938 ug/L
034696	Naphthalene	G	N	EPA8260	02-25-00 2216	<0.718U ug/L	0.718 ug/L
077224	Propylbenzene	G	N	EPA8260	02-25-00 2216	<0.317U ug/L	0.317 ug/L
077128	Styrene	G	N	EPA8260	02-25-00 2216	<0.382U ug/L	0.382 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	02-25-00 2216	<0.405U ug/L	0.405 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	02-25-00 2216	<0.499U ug/L	0.499 ug/L
034475	Tetrachloroethene	G	N	EPA8260	02-25-00 2216	<0.458U ug/L	0.458 ug/L
034010	Toluene	G	N	EPA8260	02-25-00 2216	<0.457U ug/L	0.457 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 0920

Report Period: _____

Well Name: West Pasco Class III Landfill 4 MW-3A

Well Purged (Y/N): _____

FCL Sample ID: 7110

Classification of Groundwater: G-II

Well Type ☐ Background

☐ Intermediate

☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	02-25-00 2216	<0.531U ug/L	0.531 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	02-25-00 2216	<0.514U ug/L	0.514 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	02-25-00 2216	<0.181U ug/L	0.181 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	02-25-00 2216	<0.443U ug/L	0.443 ug/L
039180	Trichloroethene	G	N	EPA8260	02-25-00 2216	<0.537U ug/L	0.537 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	02-25-00 2216	<0.421U ug/L	0.421 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	02-25-00 2216	<0.519U ug/L	0.519 ug/L
077222	1,2,4-trimethylbenzene	G	N	EPA8260	02-25-00 2216	<0.255U ug/L	0.255 ug/L
077226	1,3,5-trimethylbenzene	G	N	EPA8260	02-25-00 2216	<0.295U ug/L	0.295 ug/L
077057	Vinyl acetate	G	N	EPA8260	02-25-00 2216	<1.36U ug/L	1.36 ug/L
039175	Vinyl chloride	G	N	EPA8260	02-25-00 2216	<0.459U ug/L	0.459 ug/L
081551	Xylene	G	N	EPA8260	02-25-00 2216	<0.805U ug/L	0.805 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035Sampling Date/Time: 02/20/00 @ 0930Test Site ID #: 4051A16325Report Period: 2000 / Quarter I
(year/quarter)Well Name: 2MW-7Well Purged (Y/N): YESClassification of Groundwater: SurficialWell 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 ₃ F		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 ₃ B		Dry mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		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

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035Sampling Date/Time: 02/22/00 @ 0935Test Site ID #: 4051A16325Report Period: 2000 / Quarter I
(year/quarter)Well Name 4MW-7Well Purged (Y/N): YESClassification of Groundwater: FloridanWell 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 Limts/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F		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 ₃ B		Dry mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		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

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035Sampling Date/Time: 02/22/00 @ 0950Test Site ID #: 4051A16325Report Period: 2000 / Quarter I
(year/quarter)Well Name: 2MW-8Well Purged (Y/N): YESClassification of Groundwater: SurficialWell 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 ₃ F		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 ₃ B		Dry mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		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

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 02/22/00 @ 1030

Test Site ID #: 4051A16325

Report Period: 2000 / Quarter I
(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):

or (MSL): 26.00

W 2341

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 ₃ F	02/25/00 1400	<0.11 mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B	02/25/00 0930	3.61 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	02/22/00 1030	0.0 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/28/00 1400	8.16 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/25/00 0800	184 mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B	02/22/00 1030	7.12 Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B	02/25/00 1015	0.06 mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B	02/29/00 1045	<0.0002 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	02/25/00 0900	<1 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B	02/24/00 1400	<0.03 mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP	05/25/00 1600	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	02/22/00 1030	22.70 °C	0 °C
000680	TOC	"	"	SM 5310B	02/29/00 1700	0.83 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	02/22/00 1030	274 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	02/25/00 0900	143 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		02/22/00 1030	26.00 Feet	Feet

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597

(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Sample Time: 1030

Test Site ID#: _____

Report Period: _____

Well Name: West Pasco Class III Landfill 4MW-8

Well Purged (Y/N): _____

FCL Sample ID: 7111

Classification of Groundwater: G-II

Well Type ☐ Background☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	02-25-00 1153	<0.00005U mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	02-25-00 1153	0.000950 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	02-25-00 1153	0.0105 mg/L	0.00002 mg/L
01012	Beryllium	G	N	EPA6020	02-25-00 1153	<0.00028U mg/L	0.0002 mg/L
01027	Cadmium	G	N	EPA6020	02-25-00 1153	<0.00002U mg/L	0.00028 mg/L
01037	Cobalt	G	N	EPA6020	02-25-00 1153	0.000128 mg/L	0.00002 mg/L
01034	Chromium	G	N	EPA6020	02-25-00 1153	0.000191 mg/L	0.00002 mg/L
01042	Copper	G	N	EPA6020	02-25-00 1153	0.00303 mg/L	0.00005 mg/L
01067	Nickel	G	N	EPA6020	02-25-00 1153	0.00165 mg/L	0.00005 mg/L
01051	Lead	G	N	EPA6020	02-25-00 1153	0.000269J mg/L	0.0004 mg/L
01097	Antimony	G	N	EPA6020	02-25-00 1153	0.00188 mg/L	0.0001 mg/L
01147	Selenium	G	N	EPA6020	02-25-00 1153	0.000594J mg/L	0.00022 mg/L
01059	Thallium	G	N	EPA6020	02-25-00 1153	<0.00001U mg/L	0.00022 mg/L
01087	Vanadium	G	N	EPA6020	02-25-00 1153	0.00183 mg/L	0.00001 mg/L
01092	Zinc	G	N	EPA6020	02-25-00 1153	<0.00015U mg/L	0.00002 mg/L
	Dilution Factor			EPA5030	02-25-00 2258	1	
081552	Acetone	G	N	EPA8260	02-25-00 2258	<1.4U ug/L	1.403 ug/L
034215	Acrylonitrile	G	N	EPA8260	02-25-00 2258	<2.44U ug/L	2.443 ug/L
034030	Benzene	G	N	EPA8260	02-25-00 2258	<0.252U ug/L	0.252 ug/L
081555	Bromobenzene	G	N	EPA8260	02-25-00 2258	<0.171U ug/L	0.171 ug/L
077297	Bromochloromethane	G	N	EPA8260	02-25-00 2258	<0.158U ug/L	0.158 ug/L
032101	Bromodichloromethane	G	N	EPA8260	02-25-00 2258	<0.441U ug/L	0.441 ug/L
032104	Bromoform	G	N	EPA8260	02-25-00 2258	<0.163U ug/L	0.163 ug/L
034413	Bromomethane	G	N	EPA8260	02-25-00 2258	<0.504U ug/L	0.504 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597

(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 1030

Report Period: _____

Well Name: West Pasco Class III Landfill 4MW-8

Well Purged (Y/N): _____

FCL Sample ID: 7111Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	02-25-00 2258	<0.404U ug/L	0.404 ug/L
077350	sec-butylbenzene	G	N	EPA8260	02-25-00 2258	<0.381U ug/L	0.381 ug/L
077353	tert-butylbenzene	G	N	EPA8260	02-25-00 2258	<0.313U ug/L	0.313 ug/L
077041	Carbon disulfide	G	N	EPA8260	02-25-00 2258	<0.718U ug/L	0.718 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	02-25-00 2258	<0.39U ug/L	0.39 ug/L
034301	Chlorobenzene	G	N	EPA8260	02-25-00 2258	<0.449 ug/L	0.449 ug/L
034311	Chloroethane	G	N	EPA8260	02-25-00 2258	<0.305 ug/L	0.305 ug/L
032105	Chloroform	G	N	EPA8260	02-25-00 2258	<0.251 ug/L	0.251 ug/L
034418	Chloromethane	G	N	EPA8260	02-25-00 2258	<0.537 ug/L	0.537 ug/L
077725	2-chlorotoluene	G	N	EPA8260	02-25-00 2258	<0.434U ug/L	0.434 ug/L
077277	4-chlorotoluene	G	N	EPA8260	02-25-00 2258	<0.335U ug/L	0.335 ug/L
081521	Dibromochloromethane	G	N	EPA8260	02-25-00 2258	<0.285U ug/L	0.285 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	02-25-00 2258	<0.285U ug/L	0.285 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	02-25-00 2258	<0.364U ug/L	0.364 ug/L
081522	Dibromomethane	G	N	EPA8260	02-25-00 2258	<0.402U ug/L	0.402 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	02-25-00 2258	<0.212U ug/L	0.212 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	02-25-00 2258	<0.249U ug/L	0.249 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	02-25-00 2258	<0.375U ug/L	0.375 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	02-25-00 2258	<0.226U ug/L	0.226 ug/L
073547	t-1,4-dichloro-2-butene	G	N	EPA8260	02-25-00 2258	<0.321U ug/L	0.321 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	02-25-00 2258	<0.54U ug/L	0.54 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	02-25-00 2258	<0.202U ug/L	0.202 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	02-25-00 2258	<0.535U ug/L	0.535 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	02-25-00 2258	<0.307U ug/L	0.307 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	02-25-00 2258	<0.538U ug/L	0.538 ug/L

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(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 1030

Report Period: _____

Well Name: West Pasco Class III Landfill 4MW-8

Well Purged (Y/N): _____

FCL Sample ID: 7111Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	02-25-00 2258	<0.743U ug/L	0.743 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	02-25-00 2258	<0.434U ug/L	0.434 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	02-25-00 2258	<0.326U ug/L	0.326 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	02-25-00 2258	<0.701U ug/L	0.701 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	02-25-00 2258	<0.218U ug/L	0.218 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	02-25-00 2258	<0.433U ug/L	0.433 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	02-25-00 2258	<0.544U ug/L	0.544 ug/L
034371	Ethylbenzene	G	N	EPA8260	02-25-00 2258	<0.452U ug/L	0.452 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	02-25-00 2258	<0.388U ug/L	0.388 ug/L
077103	2-Hexanone	G	N	EPA8260	02-25-00 2258	<0.347U ug/L	0.347 ug/L
034396	Hexachloroethane	G	N	EPA8260	02-25-00 2258	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	02-25-00 2258	<0.309U ug/L	0.309 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	02-25-00 2258	<0.303U ug/L	0.303 ug/L
034423	Methylene chloride	G	N	EPA8260	02-25-00 2258	1.21 ug/L	0.241 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	02-25-00 2258	<0.563U ug/L	0.563 ug/L
081595	2-butanone	G	N	EPA8260	02-25-00 2258	<0.884U ug/L	0.884 ug/L
077424	Methyl iodide	G	N	EPA8260	02-25-00 2258	<0.411U ug/L	0.411 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	02-25-00 2258	<0.938U ug/L	0.938 ug/L
034696	Naphthalene	G	N	EPA8260	02-25-00 2258	<0.718U ug/L	0.718 ug/L
077224	Propylbenzene	G	N	EPA8260	02-25-00 2258	<0.317U ug/L	0.317 ug/L
077128	Styrene	G	N	EPA8260	02-25-00 2258	<0.382U ug/L	0.382 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	02-25-00 2258	<0.405U ug/L	0.405 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	02-25-00 2258	<0.499U ug/L	0.499 ug/L
034475	Tetrachloroethene	G	N	EPA8260	02-25-00 2258	<0.458U ug/L	0.458 ug/L
034010	Toluene	G	N	EPA8260	02-25-00 2258	<0.457U ug/L	0.457 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 1030

Report Period: _____

Well Name: West Pasco Class III Landfill 4MW-8

Well Purged (Y/N): _____

FCL Sample ID: 7111Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	02-25-00 2258	<0.531U ug/L	0.531 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	02-25-00 2258	<0.514U ug/L	0.514 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	02-25-00 2258	<0.181U ug/L	0.181 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	02-25-00 2258	<0.443U ug/L	0.443 ug/L
039180	Trichloroethene	G	N	EPA8260	02-25-00 2258	<0.537U ug/L	0.537 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	02-25-00 2258	<0.421U ug/L	0.421 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	02-25-00 2258	<0.519U ug/L	0.519 ug/L
077222	1,2,4-trimethylbenzene	G	N	EPA8260	02-25-00 2258	<0.255U ug/L	0.255 ug/L
077226	1,3,5-trimethylbenzene	G	N	EPA8260	02-25-00 2258	<0.295U ug/L	0.295 ug/L
077057	Vinyl acetate	G	N	EPA8260	02-25-00 2258	<1.36U ug/L	1.36 ug/L
039175	Vinyl chloride	G	N	EPA8260	02-25-00 2258	<0.459U ug/L	0.459 ug/L
081551	Xylene	G	N	EPA8260	02-25-00 2258	<0.805U ug/L	0.805 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 02/22/00 @ 1040

Test Site ID #: 4051A16325

Report Period: 2000 / 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):

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 ₃ F		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 ₃ B		Dry mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		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

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035Sampling Date/Time: 02/22/00 @ 1140Test Site ID #: 4051A16325Report Period: 2000 / Quarter I
(year/quarter)Well Name: 4MW-9Well Purged (Y/N): YESClassification of Groundwater: FloridanWell Type: () Background
() Intermediate
(XXX) Compliance
() Other

Groundwater Elevation (NGVD): _____

or (MSL): 24.23

W 2342

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 ₃ F	02/25/00 1400	<0.11 mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B	02/25/00 0930	4.55 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	02/22/00 1140	0.0 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/28/00 1400	18.5 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/25/00 0800	233 mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B	02/22/00 1140	7.00 Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B	02/25/00 1015	0.02 mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B	02/29/00 1045	<0.0002 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	02/25/00 0900	1.70 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B	02/24/00 1400	<0.03 mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP	05/25/00 1600	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	02/22/00 1140	24.00 °C	0 °C
000680	TOC	"	"	SM 5310B	02/29/00 1700	0.89 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	02/22/00 1140	336 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	02/25/00 0900	167 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		02/22/00 1140	24.23 Feet	Feet

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 1140

Report Period: _____

Well Name: West Pasco Class III Landfill 4MW-9

Well Purged (Y/N): _____

FCL Sample ID: 7112Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	02-25-00 1153	<0.00005U mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	02-25-00 1153	0.000889 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	02-25-00 1153	0.00900 mg/L	0.00002 mg/L
01012	Beryllium	G	N	EPA6020	02-25-00 1153	<0.00028U mg/L	0.0002 mg/L
01027	Cadmium	G	N	EPA6020	02-25-00 1153	<0.00002U mg/L	0.00028 mg/L
01037	Cobalt	G	N	EPA6020	02-25-00 1153	0.000122 mg/L	0.00002 mg/L
01034	Chromium	G	N	EPA6020	02-25-00 1153	0.000429 mg/L	0.00002 mg/L
01042	Copper	G	N	EPA6020	02-25-00 1153	0.00137 mg/L	0.00005 mg/L
01067	Nickel	G	N	EPA6020	02-25-00 1153	0.00233 mg/L	0.00005 mg/L
01051	Lead	G	N	EPA6020	02-25-00 1153	0.000326 mg/L	0.0004 mg/L
01097	Antimony	G	N	EPA6020	02-25-00 1153	0.00034J mg/L	0.0001 mg/L
01147	Selenium	G	N	EPA6020	02-25-00 1153	<0.00022U mg/L	0.00022 mg/L
01059	Thallium	G	N	EPA6020	02-25-00 1153	<0.00001U mg/L	0.00022 mg/L
01087	Vanadium	G	N	EPA6020	02-25-00 1153	0.000542 mg/L	0.00001 mg/L
01092	Zinc	G	N	EPA6020	02-25-00 1153	<0.00015U mg/L	0.00002 mg/L
	Dilution Factor			EPA5030	02-25-00 2341	1	
081552	Acetone	G	N	EPA8260	02-25-00 2341	<1.4U ug/L	1.403 ug/L
034215	Acrylonitrile	G	N	EPA8260	02-25-00 2341	<2.44U ug/L	2.443 ug/L
034030	Benzene	G	N	EPA8260	02-25-00 2341	<0.252U ug/L	0.252 ug/L
081555	Bromobenzene	G	N	EPA8260	02-25-00 2341	<0.171U ug/L	0.171 ug/L
077297	Bromochloromethane	G	N	EPA8260	02-25-00 2341	<0.158U ug/L	0.158 ug/L
032101	Bromodichloromethane	G	N	EPA8260	02-25-00 2341	<0.441U ug/L	0.441 ug/L
032104	Bromoform	G	N	EPA8260	02-25-00 2341	<0.163U ug/L	0.163 ug/L
034413	Bromomethane	G	N	EPA8260	02-25-00 2341	<0.504U ug/L	0.504 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 1140

Report Period: _____

Well Name: West Pasco Class III Landfill 4MW-9

Well Purged (Y/N): _____

FCL Sample ID: 7112

Classification of Groundwater: G-II

Well Type ☐ Background☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	02-25-00 2341	<0.404U ug/L	0.404 ug/L
077350	sec-butylbenzene	G	N	EPA8260	02-25-00 2341	<0.381U ug/L	0.381 ug/L
077353	tert-butylbenzene	G	N	EPA8260	02-25-00 2341	<0.313U ug/L	0.313 ug/L
077041	Carbon disulfide	G	N	EPA8260	02-25-00 2341	<0.718U ug/L	0.718 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	02-25-00 2341	<0.39U ug/L	0.39 ug/L
034301	Chlorobenzene	G	N	EPA8260	02-25-00 2341	<0.449 ug/L	0.449 ug/L
034311	Chloroethane	G	N	EPA8260	02-25-00 2341	<0.305 ug/L	0.305 ug/L
032105	Chloroform	G	N	EPA8260	02-25-00 2341	<0.251 ug/L	0.251 ug/L
034418	Chloromethane	G	N	EPA8260	02-25-00 2341	<0.537 ug/L	0.537 ug/L
077725	2-chlorotoluene	G	N	EPA8260	02-25-00 2341	<0.434U ug/L	0.434 ug/L
077277	4-chlorotoluene	G	N	EPA8260	02-25-00 2341	<0.335U ug/L	0.335 ug/L
081521	Dibromochloromethane	G	N	EPA8260	02-25-00 2341	<0.285U ug/L	0.285 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	02-25-00 2341	<0.285U ug/L	0.285 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	02-25-00 2341	<0.364U ug/L	0.364 ug/L
081522	Dibromomethane	G	N	EPA8260	02-25-00 2341	<0.402U ug/L	0.402 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	02-25-00 2341	<0.212U ug/L	0.212 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	02-25-00 2341	<0.249U ug/L	0.249 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	02-25-00 2341	<0.375U ug/L	0.375 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	02-25-00 2341	<0.226U ug/L	0.226 ug/L
073547	trans-1,4-dichloro-2-butene	G	N	EPA8260	02-25-00 2341	<0.321U ug/L	0.321 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	02-25-00 2341	<0.54U ug/L	0.54 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	02-25-00 2341	<0.202U ug/L	0.202 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	02-25-00 2341	<0.535U ug/L	0.535 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	02-25-00 2341	<0.307U ug/L	0.307 ug/L
034546	trans-1,2-dichloroethene	G	N	EPA8260	02-25-00 2341	<0.538U ug/L	0.538 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597

(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00Sample Time: 1140

Test Site ID#: _____

Report Period: _____

Well Name: West Pasco Class III Landfill 4MW-9

Well Purged (Y/N): _____

FCL Sample ID: 7112Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	02-25-00 2341	<0.743U ug/L	0.743 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	02-25-00 2341	<0.434U ug/L	0.434 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	02-25-00 2341	<0.326U ug/L	0.326 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	02-25-00 2341	<0.701U ug/L	0.701 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	02-25-00 2341	<0.218U ug/L	0.218 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	02-25-00 2341	<0.433U ug/L	0.433 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	02-25-00 2341	<0.544U ug/L	0.544 ug/L
034371	Ethylbenzene	G	N	EPA8260	02-25-00 2341	<0.452U ug/L	0.452 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	02-25-00 2341	<0.388U ug/L	0.388 ug/L
077103	2-Hexanone	G	N	EPA8260	02-25-00 2341	<0.347U ug/L	0.347 ug/L
034396	Hexachloroethane	G	N	EPA8260	02-25-00 2341	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	02-25-00 2341	<0.309U ug/L	0.309 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	02-25-00 2341	<0.303U ug/L	0.303 ug/L
034423	Methylene chloride	G	N	EPA8260	02-25-00 2341	<0.241U ug/L	0.241 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	02-25-00 2341	<0.563U ug/L	0.563 ug/L
081595	2-butanone	G	N	EPA8260	02-25-00 2341	<0.884U ug/L	0.884 ug/L
077424	Methyl iodide	G	N	EPA8260	02-25-00 2341	<0.411U ug/L	0.411 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	02-25-00 2341	<0.938U ug/L	0.938 ug/L
034696	Naphthalene	G	N	EPA8260	02-25-00 2341	<0.718U ug/L	0.718 ug/L
077224	Propylbenzene	G	N	EPA8260	02-25-00 2341	<0.317U ug/L	0.317 ug/L
077128	Styrene	G	N	EPA8260	02-25-00 2341	<0.382U ug/L	0.382 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	02-25-00 2341	<0.405U ug/L	0.405 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	02-25-00 2341	<0.499U ug/L	0.499 ug/L
034475	Tetrachloroethene	G	N	EPA8260	02-25-00 2341	<0.458U ug/L	0.458 ug/L
034010	Toluene	G	N	EPA8260	02-25-00 2341	<0.457U ug/L	0.457 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 02-22-00

Test Site ID#: _____

Sample Time: 1140

Report Period: _____

Well Name: West Pasco Class III Landfill 4MW-9

Well Purged (Y/N): _____

FCL Sample ID: 7112Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	02-25-00 2341	<0.531U ug/L	0.531 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	02-25-00 2341	<0.514U ug/L	0.514 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	02-25-00 2341	<0.181U ug/L	0.181 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	02-25-00 2341	<0.443U ug/L	0.443 ug/L
039180	Trichloroethene	G	N	EPA8260	02-25-00 2341	<0.537U ug/L	0.537 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	02-25-00 2341	<0.421U ug/L	0.421 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	02-25-00 2341	<0.519U ug/L	0.519 ug/L
077222	1,2,4-trimethylbenzene	G	N	EPA8260	02-25-00 2341	<0.255U ug/L	0.255 ug/L
077226	1,3,5-trimethylbenzene	G	N	EPA8260	02-25-00 2341	<0.295U ug/L	0.295 ug/L
077057	Vinyl acetate	G	N	EPA8260	02-25-00 2341	<1.36U ug/L	1.36 ug/L
039175	Vinyl chloride	G	N	EPA8260	02-25-00 2341	<0.459U ug/L	0.459 ug/L
081551	Xylene	G	N	EPA8260	02-25-00 2341	<0.805U ug/L	0.805 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035Sampling Date/Time: 02/22/00 @ 1200Test Site ID #: 4051A16325Report Period: 2000 / Quarter I
(year/quarter)Well Name: 2MW-10Well Purged (Y/N): YESClassification of Groundwater: SurficialWell Type: () Background
() Intermediate
(XXX) Compliance
() Other

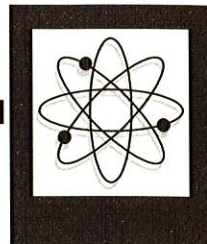
Groundwater Elevation (NGVD): _____

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 ₃ F		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 ₃ B		Dry mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		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

FLOWERS



**CHEMICAL
LABORATORIES**
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JUL 10 2000
U.S. DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST DISTRICT

Received From:
Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

RECEIVED

APR - 3 2000

Per.....

Date Reported : Mar 3 2000
Project Number : W Pasco Class II
PO Number : 111887
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I

Date Sampled: Feb22 2000 Date Received: Feb23 2000 Lab Numbers: 7110-7112
REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%ACC	%PRC	7110 4MW3A	7111 4MW8	7112 4MW9
✓ Silver	mg/L	✓.00016	100.	.870	.00026	<.0002	<.0002
✓ Arsenic	mg/L	✓.00006	106.	.620	.00124	.00095	.00089
✓ Barium	mg/L	✓.00064	105.	.810	0.0118	0.0105	.00900
✓ Beryllium	mg/L	✓.00089	112.	.150	<.0009	<.0009	<.0009
✓ Cadmium	mg/L	✓.00006	98.4	.220	<6e-05	<6e-05	<6e-05
✓ Cobalt	mg/L	.00006	102.	1.19	.00022	.00013	.00012
✓ Chromium	mg/L	✓.00016	104.	1.88	.00032	.00019	.00043
✓ Copper	mg/L	✓.00016	99.9	.830	.00282	.00303	.00137
✓ Nickel	mg/L	✓.00127	99.3	1.74	.00194	.00165	.00233
✓ Lead	mg/L	✓.00032	101.	.640	.00116	<.0003	.00033
Antimony	mg/L	✓.00070	116.	.370	0.0110	.00188	<.0007
✓ Selenium	mg/L	.00070	99.4	.880	.00099	<.0007	<.0007
✓ Thallium	mg/L	✓.00003	99.5	.350	.00020	<3e-05	<3e-05
✓ Vanadium	mg/L	.00006	104.	.500	.00098	.00183	.00054
✓ Zinc	mg/L	✓.00048	96.5	1.22	0.0128	<.0005	<.0005
Dilution Factor		-	-	-	1.00	1.00	1.00
✓ Acetone	ug/L	4.46	94.1	.180	<4.46	<4.46	<4.46
✓ Acrylonitrile	ug/L	7.77			<7.77	<7.77	<7.77
✓ Benzene	ug/L	✓0.801	97.9	1.88	<0.801	<0.801	<0.801
Bromobenzene	ug/L	0.544	88.0	.400	<0.544	<0.544	<0.544
✓ Bromochloromethane	ug/L	0.502	121.	.550	<0.502	<0.502	<0.502
✓ Bromodichloromethane	ug/L	1.40	90.6	1.80	<1.40	<1.40	<1.40
✓ Bromoform	ug/L	0.518	81.8	1.73	<0.518	<0.518	<0.518
✓ Bromomethane	ug/L	1.60			<1.60	<1.60	<1.60
n-butylbenzene	ug/L	1.28	74.3	1.09	<1.28	<1.28	<1.28
sec-butylbenzene	ug/L	1.21	78.8	1.75	<1.21	<1.21	<1.21

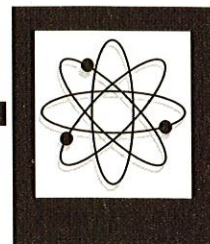
std = 0.0260 mg/L

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.d.
President/Technical Director

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Received From:
Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

RECEIVED

APR - 3 2000

Per.....

Date Reported : Mar 3 2000
Project Number : W Pasco Class II
PO Number : 111887
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I

Date Sampled: Feb22 2000 Date Received: Feb23 2000 Lab Numbers: 7110-7112
REPORT OF ANALYSIS

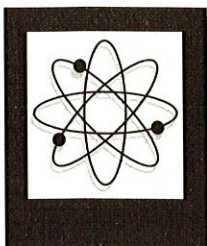
Parameter	Unit	Reportable Detection Limit	%ACC	%PRC	7110 4MW3A	7111 4MW8	7112 4MW9
tert-butylbenzene	ug/L	0.995	84.6	.500	<0.995	<0.995	<0.995
✓ Carbon disulfide	ug/L	2.28	102.	2.61	<2.28	<2.28	<2.28
✓ Carbon tetrachloride	ug/L	1.24	101.	2.68	<1.24	<1.24	<1.24
✓ Chlorobenzene	ug/L	0.449	99.6	1.49	<0.449	<0.449	<0.449
✓ Chloroethane	ug/L	0.305	101.	1.19	<0.305	<0.305	<0.305
✓ Chloroform	ug/L	0.251	97.0	.470	<0.251	<0.251	<0.251
✓ Chloromethane	ug/L	0.537	88.1	.440	<0.537	<0.537	<0.537
2-chlorotoluene	ug/L	1.38	81.5	.910	<1.38	<1.38	<1.38
4-chlorotoluene	ug/L	1.07	81.9	.510	<1.07	<1.07	<1.07
✓ Dibromochloromethane	ug/L	0.906	108.	.910	<0.906	<0.906	<0.906
✓ 1,2-dibromo-3-chloro	ug/L	0.906	65.4	1.57	<0.906	<0.906	<0.906
✓ 1,2-dibromoethane	ug/L	1.16	93.4	.340	<1.16	<1.16	<1.16
✓ Dibromomethane	ug/L	1.28	97.4	.290	<1.28	<1.28	<1.28
✓ o-dichlorobenzene	ug/L	0.674	91.5	1.43	<0.674	<0.674	<0.674
m-dichlorobenzene	ug/L	0.792	92.4	1.61	<0.792	<0.792	<0.792
✓ Para-dichlorobenzene	ug/L	1.19	93.6	2.15	<1.19	<1.19	<1.19
Dichlorodifluorometh	ug/L	0.719	89.3	1.98	<0.719	<0.719	<0.719
✓ t-1,4-dichloro-2-but	ug/L	1.02			<1.02	<1.02	<1.02
✓ 1,1-dichloroethane	ug/L	1.72	99.9	1.56	<1.72	<1.72	<1.72
✓ 1,2-dichloroethane	ug/L	0.642	96.6	.290	<0.642	<0.642	<0.642
✓ 1,1-dichloroethene	ug/L	1.70	102.	.900	<1.70	<1.70	<1.70
✓ cis-1,2-dichloroethe	ug/L	0.976	98.8	.460	<0.976	<0.976	<0.976
✓ t-1,2-dichloroethene	ug/L	1.71	104.	.810	<1.71	<1.71	<1.71
1,2-dichloroethene	ug/L	2.36	101.	.640	<2.36	<2.36	<2.36
✓ 1,2-dichloropropane	ug/L	1.38	94.8	2.91	<1.38	<1.38	<1.38
1,3-dichloropropane	ug/L	1.04	95.3	1.63	<1.04	<1.04	<1.04

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
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Jefferson S. Flowers, Ph.D.
President/Technical Director

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RECEIVED

Received From:
Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

APR - 3 2000

Per.....

Date Reported : Mar 3 2000
Project Number : W Pasco Class II
PO Number : 111887
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I

Date Sampled: Feb22 2000 Date Received: Feb23 2000 Lab Numbers: 7110-7112
REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%ACC	%PRC	7110 4MW3A	7111 4MW8	7112 4MW9
2,2-dichloropropane	ug/L	2.23	83.1	3.66	<2.23	<2.23	<2.23
1,1-dichloropropene	ug/L	0.693	93.0	1.67	<0.693	<0.693	<0.693
✓ cis-1,3-dichloroprop	ug/L	1.38	87.1	.240	<1.38	<1.38	<1.38
✓ trans-1,3,-dichlorop	ug/L	1.73	87.1	.240	<1.73	<1.73	<1.73
✓ Ethylbenzene	ug/L	✓ 1.44	96.3	1.58	<1.44	<1.44	<1.44
Hexachlorobutadiene	ug/L	1.23	59.7	2.67	<1.23	<1.23	<1.23
✓ 2-Hexanone	ug/L	✓ 1.10	81.1	.080	<1.10	<1.10	<1.10
Hexachloroethane	ug/L	3.18			<3.18	<3.18	<3.18
Isopropylbenzene	ug/L	0.983	80.2	.920	<0.983	<0.983	<0.983
4-isopropyltoluene	ug/L	0.964	80.1	.920	<0.964	<0.964	<0.964
✓ Methylene chloride	ug/L	✓ 0.766	99.0	.140	<0.766	1.21	<0.766
Methyl-tert-butyleth	ug/L	1.79	84.9	1.96	<1.79	<1.79	<1.79
✓ 2-butanone	ug/L	2.81	98.0	2.35	<2.81	<2.81	<2.81
✓ Methyl iodide	ug/L	1.31	97.8	3.51	<1.31	<1.31	<1.31
✓ 4-methyl-2-pentanone	ug/L	2.98	82.3	.000	<2.98	<2.98	<2.98
Naphthalene	ug/L	2.28	78.3	.180	<2.28	<2.28	<2.28
propylbenzene	ug/L	1.01	82.3	1.63	<1.01	<1.01	<1.01
✓ Styrene	ug/L	✓ 1.21	96.4	1.21	<1.21	<1.21	<1.21
✓ 1,1,1,2-tetrachloroe	ug/L	1.29	108.	2.55	<1.29	<1.29	<1.29
✓ 1,1,2,2-tetrachloroe	ug/L	1.59	88.5	1.16	<1.59	<1.59	<1.59
✓ Tetrachloroethene	ug/L	✓ 1.46	101.	2.49	<1.46	<1.46	<1.46
✓ Toluene	ug/L	✓ 1.45	93.6	1.55	<1.45	<1.45	<1.45
1,2,3-trichlorobenze	ug/L	1.69	72.7	1.02	<1.69	<1.69	<1.69
1,2,4-trichlorobenze	ug/L	1.63	70.4	1.11	<1.63	<1.63	<1.63
✓ 1,1,1-trichloroethan	ug/L	✓ 0.576	95.9	2.14	<0.576	<0.576	<0.576
✓ 1,1,2-trichloroethan	ug/L	✓ 1.41	99.4	1.67	<1.41	<1.41	<1.41

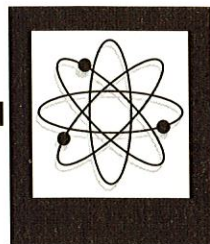
std = 5 ug/L

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
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President/Technical Director

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**CHEMICAL
LABORATORIES**
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Received From:
Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

APR - 3 2000

Per.....*a*

Date Reported : Mar 3 2000
Project Number : W Pasco Class II
PO Number : 111887
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I

Date Sampled: Feb22 2000 Date Received: Feb23 2000 Lab Numbers: 7110-7112
REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%ACC	%PRC	7110 4MW3A	7111 4MW8	7112 4MW9
Trichloroethene	ug/L	1.71	104.	2.07	<1.71	<1.71	<1.71
Trichlorofluorometha	ug/L	1.34	96.8	.470	<1.34	<1.34	<1.34
1,2,3-trichloropropa	ug/L	1.65	126.	.920	<1.65	<1.65	<1.65
1,2,4-trimethylbenze	ug/L	0.811	79.9	.920	<0.811	<0.811	<0.811
1,3,5-trimethylbenze	ug/L	0.938	79.9	1.20	<0.938	<0.938	<0.938
Vinyl acetate	ug/L	4.32			<4.32	<4.32	<4.32
Vinyl chloride	ug/L	1.46	93.0	.950	<1.46	<1.46	<1.46
Xylene	ug/L	2.56	99.5	1.60	<2.56	<2.56	<2.56
Surrogate_Spike1	ug/L	1.00	99.7	1.18	32.4	32.7	33.4
Surrogate_Spike2	ug/L	1.00	95.1	1.09	28.8	28.8	28.8
Surrogate_Spike3	ug/L	1.00	92.7	.710	23.8	23.6	23.2
		-	-	-	-	-	-

Data Release Authorization

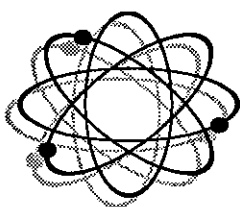
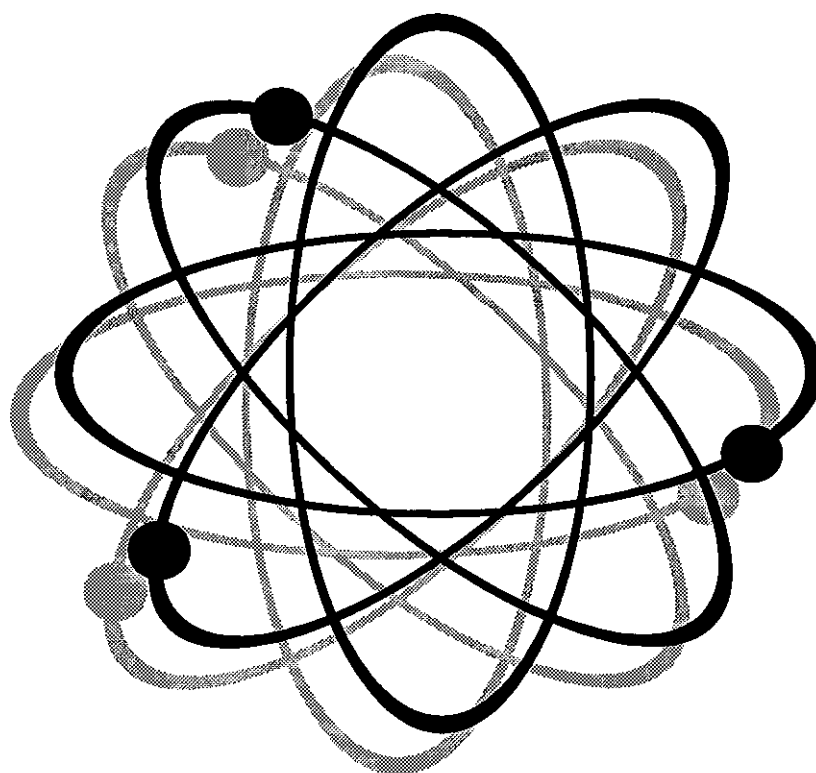
Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
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[Signature]
Jefferson S. Flowers, Ph.d.
President/Technical Director

Quality Assurance Report

Prepared for: Pasco Co. Utilities Env. Lab
Project Number: W Pasco Class II
Lab Numbers: 7110 - 7112

Report date: 3-Mar-00



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
SDG Narrative
Summary**

Client: Pasco Co. Utilities Env. Lab
Project Number: W Pasco Class II
P.O. Number: 111887
Date Sampled: 22-Feb-00
Lab Numbers: 7110 - 7112

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

Surrogate Compound Recoveries:

The recovery limits were met for all samples as shown in section 1. This represents complete success.

Accuracy / Precision:

The recovery limits were exceeded for 2 compounds in the matrix spike as shown in section 2. This represents a 97.5% success rate.

The recovery limits were exceeded for 2 compounds in the matrix spike duplicate as shown in section 2. This represents a 97.5% success rate.

The RSD was met for all compounds as shown in section 2.

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were exceeded for 4 compounds as shown in section 4. This represents a 95.1% success rate.

Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were exceeded for 6 QCCS standards as shown in section 5. This represents a 92.6% success rate.

The t-test limits were exceeded for 6 matrix spike standards as shown in section 5. This represents a 92.6% success rate.

There were 2 standard blanks.