leachate file

PASCO COUNTY, FLORIDA

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

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

27 May 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
Leachate Monitoring
Semester I, 1998

Dear Ms. Amram:

Enclosed please find the analytical results for the parameters listed in 62-701(8)(c) Florida Administrative Code conducted on the two leachate tanks at the West Pasco Class III Landfill. These results are submitted for the first semester sampling period (Jan-Jun). The next sampling event for this facility is scheduled for July, 1998.

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

DEP Form # 62-522.900(2)

Form Title GROUND WATER MONITORING REPORT

Effective Date

DEP Application No.

Florida Department of Environmental Protection

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

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Hays Road Class III Landfill

Address 1275 Hays Road

City Spring Hill, FL Zip 34610

Telephone Number ( )

(2) The GMS Identification Number 4051M30035

(3) DEP Permit Number SO51-182279

(4) Authorized Representative Name Candia E. Mulhern

Address 8864 Government Drive

City New Port Richey, FL Zip 34654

Telephone Number (813) 847-8902

(5) Type of Discharge Landfill

(6) Method of Discharge Unknown

Certification

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

Date: 27 May '98

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

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

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

BROWARD LAB # _____ FCEL LAB # 9801-198

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

PART I - GENERAL INFORMATION

(1) Facility Name: West Pasco Class III Lanofill

Address: _____

City, State, Zip: _____

Telephone Number: _____

(2) The GMS Identification #: _____

(3) DEP Permit #: _____

(4) Authorized Representative Name _____

Address: _____

City, State, Zip: _____

Telephone Number: _____

(5) Type of Discharge: Leachate

(6) Method of Discharge: Unknown

CERTIFICATION

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

27 May '98
Date:

Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # _____

Analytical Lab Comp QAP # / HRS Cert. 870222 / E82102 / 82110

Comp QAP # / HRS Cert. # _____

Lab Name: BROWARD TESTING LABORATORY

Address: 4416 N.E. 11TH AVENUE

City, State, Zip: FT. LAUDERDALE, FLORIDA 33334

Telephone Number: 1-216/449-2525

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

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 01/21/98 @ 1100

Test Site ID #: NA

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

Well Name: Tank #1

Well Purged (Y/N): YES

Classification of Groundwater: NA

Well Type: ( ) Background
( ) Intermediate
( ) 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	01/22/98 1530	0.13	mg/L	0.11	mg/L
000940	Chloride	"	"	SM 4500Cl-B	01/26/98 1430	122	mg/L	0.15	mg/L
000400	pH-Field	"	"	SM 4500H+B	01/21/98 1100	6.67	Std. Units	0.01	Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	01/21/98 1530	1,140	mg/L	1	mg/L
000344	Dissolved Olygen	"	"	SM 4500 O G	01/21/98 1100	0.50	mg/L	0.01	mg/L
000410	Bicarbonate	"	"	SM 2320B	01/22/98 1100	528	mg/L	1	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	01/21/98 1100	1,880	µmhos/cm	0.00	µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	01/21/98 1100	20.10	°C	0	°C
000610	Ammonia	"	"	SM 4500NH_3B	02/03/98 1100	4.29	mg/L	0.03	mg/L
900216	Color	"	"	SM 2120B	01/22/98 0830	180	PCU	0.0	PCU
001045	Iron	"	"	SM 3113B	01/23/98 1400	0.35	mg/L	0.001	mg/L
000929	Sodium	"	"	SM 3111B	01/23/98 1210	60.1	mg/L	0.01	mg/L
071900	Mercury	"	"	SM 3112B	01/26/98 1450	0.0009	mg/L	0.0002	mg/L
000612	NH_4-N	"	"	DEP SOP 10/03/83	03/05/98 1000	<0.02	mg/L	0.02	mg/L

*Attach Laboratory Reports

mo/g031029(1)

PART III - ANALYTICAL RESULTS
FCEL LAB# 9801-199

Facility GMS #: _____ _____

Sampling Date/Time: 1/21/98 @ 11:00

Test Site ID #: _____

Report Period: 1998 1ST QUARTER
(Year/Quarter)

WELL NAME: TANK-1

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)					degree,C	degree, C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft. NGVD	Ft.NGVD
00094	Specific Cond. (field)					µmhos/cm	µmhos/cm
01097	Antimony			EPA 204.2	02/06/98	<0.0013	0.0013
01002	Arsenic			EPA 206.2	02/21/98	0.0185	0.00074
01007	Barium			EPA 200.7	02/13/98	0.050	0.0048
01012	Beryllium			EPA 200.7	02/13/98	0.0017	0.0016
01027	Cadmium			EPA 213.2	04/02/98	0.00014	0.000068
01034	Chromium			EPA 200.7	02/12/98	0.077	0.022
01037	Cobalt			EPA 200.7	02/13/98	0.041	0.011
01042	Copper			EPA 200.7	01/29/98	0.018	0.0029
01051	Lead			EPA 239.2	01/31/98	<0.0002	0.0002
01067	Nickel			EPA 200.7	02/13/98	0.049	0.028
01147	Selenium			EPA 270.2	02/10/98	0.009	0.0016
01077	Silver			EPA 200.7	01/29/98	0.005	0.0033
01057	Thallium			EPA 279.2	02/05/98	<0.00078	0.00078
01085	Vanadium			EPA 200.7	02/12/98	0.012	0.0088
71900	Mercury			EPA 245.1	02/10/98	<0.000029	<0.000029
01102	Tin			EPA 200.7	03/31/98	0.448	0.078
01092	Zinc			EPA 200.7	02/13/98	0.042	0.0032
00720	Cyanide			EPA 335.2	01/29/98	0.011	0.010

PART III - ANALYTICAL RESULTS (Continued) - CEL LAB # 9801-199

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260A	02/02/98	ND	0.330
34215	Acrylonitrile			EPA 8260A	02/02/98	ND	0.483
34235	Benzene			EPA 8260A	02/02/98	ND	0.147
N/A	Bromochloromethane			EPA 8260A	02/02/98	ND	0.5
32101	Bromodichloromethane			EPA 8260A	02/02/98	ND	0.300
32104	Bromoform			EPA 8260A	02/02/98	ND	0.226
77041	Carbon disulfide			EPA 8260A	02/02/98	ND	0.459
32102	Carbon tetrachloride			EPA 8260A	02/02/98	ND	0.316
34301	Chlorobenzene			EPA 8260A	02/02/98	ND	0.234
34311	Chloroethane			EPA 8260A	02/02/98	ND	0.148
32106	Chloroform			EPA 8260A	02/02/98	ND	0.104
32105	Dibromochloromethane			EPA 8260A	02/02/98	ND	0.185
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/02/98	ND	0.013
77651	1,2-Dibromoethane			EPA 504	02/02/98	ND	0.014
34537	o-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.365
34571	p-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.298
49263	trans-1,4-Dichloro-2-butene			EPA 8260A	02/02/98	ND	0.221
34496	1,1-Dichloroethane			EPA 8260A	02/02/98	ND	0.275
32103	1,2-Dichloroethane			EPA 8260A	02/02/98	ND	0.128
34502	1,1-Dichloroethene			EPA 8260A	02/02/98	ND	0.5
81686	cis-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.253
34546	trans-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.195
34541	1,2-Dichloropropane			EPA 8260A	02/02/98	ND	0.147
34704	cis-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.157
34699	trans-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.198
78113	Ethylbenzene			EPA 8260A	02/02/98	ND	0.173
77103	2-Hexanone			EPA 8260A	02/02/98	ND	0.494
34413	Methyl bromide			EPA 8260A	02/02/98	ND	0.177

PART III - ANALYTICAL RESULTS (Continued) 9801-199

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34205	Acenaphthene			EPA 8270A	02/18/98	ND	2.5
34200	Acenaphthylene			EPA 8270A	02/18/98	ND	2.5
N/A	Acetonitrile			EPA 8270A	02/18/98	ND	0.5
81553	Acetophenone			EPA 8270A	02/18/98	ND	2.5
N/A	2-Acetylaminofluorene			EPA 8270A	02/18/98	ND	0.5
34210	Acrolein			EPA 8260A	02/02/98	ND	0.5
39330	Aldrin			EPA 8080	02/19/98	ND	0.0125
78109	Allyl chloride			EPA 8260A	02/02/98	ND	0.5
N/A	4-Aminobiphenyl			EPA 8270A	02/18/98	ND	50
34220	Anthracene			EPA 8270A	02/18/98	ND	2.5
34527	Benzo(a)anthracene			EPA 8270A	02/18/98	ND	2.5
34230	Benzo(b)fluoranthene			EPA 8270A	02/18/98	ND	2.5
34242	Benzo(k)fluoranthene			EPA 8270A	02/18/98	ND	2.5
34521	Benzo(ghi)perylene			EPA 8270A	02/18/98	ND	2.5
34247	Benzo(a)pyrene			EPA 8270A	02/18/98	ND	2.5
77147	Benzyl alcohol			EPA 8270A	02/18/98	ND	2.5
34253	alpha-BHC			EPA 8080	02/19/98	ND	0.0125
34255	beta-BHC			EPA 8080	02/19/98	ND	0.0125
34259	delta-BHC			EPA 8080	02/19/98	ND	0.025
39340	gamma-BHC			EPA 8080	02/19/98	ND	0.0125
34278	Bis(2-chloroethoxy)methane			EPA 8270A	02/18/98	ND	2.5
34273	Bis(2-chloroethyl)ether			EPA 8270A	02/18/98	ND	2.5
34283	Bis(2-chloroisopropyl)ether			EPA 8270A	02/18/98	ND	2.5
39100	Bis(2-ethylhexyl)phthalate			EPA 8270A	02/18/98	ND	2.5
34636	4-Bromophenyl phenyl ether			EPA 8270A	02/18/98	ND	2.5
51003	Butyl benzyl phthalate			EPA 8270A	02/18/98	ND	2.5
39350	Chlordane			EPA 8080	02/19/98	ND	0.025
60037	p-Chloroaniline			EPA 8270A	02/18/98	ND	5
39460	Chlorobenzilate			EPA 8270A	02/18/98	ND	2.5

PART III - ANALYTICAL RESULTS 9801-199

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
N/A	4-Chloro-3-methylphenol			EPA 8270A	02/18/98	ND	5
34581	2-Chloronaphthalene			EPA 8270A	02/18/98	ND	2.5
34586	2-Chlorophenol			EPA 8270A	02/18/98	ND	2.5
34641	4-Chlorophenyl phenyl ether			EPA 8270A	02/18/98	ND	2.5
34320	Chrysene			EPA 8270A	02/18/98	ND	2.5
N/A	3-Methylphenol			EPA 8270A	02/18/98	ND	2.5
77152	2-Methylphenol			EPA 8270A	02/18/98	ND	2.5
N/A	4-Methylphenol			EPA 8270A	02/18/98	ND	2.5
39730	2,4-D			EPA 8150	02/19/98	ND	2.5
39360	4,4'-DDD			EPA 8080	02/19/98	ND	0.0125
39365	4,4'-DDE			EPA 8080	02/19/98	ND	0.025
39370	4,4'-DDT			EPA 8080	02/19/98	ND	2.5
N/A	Diallate			EPA 8270A	02/18/98	ND	2.5
51004	Dibenzo(a,h)anthracene			EPA 8270A	02/18/98	ND	2.5
81302	Dibenzofuran			EPA 8270A	02/18/98	ND	2.5
39110	Di-n-butyl phthalate			EPA 8270A	02/18/98	ND	2.5
34631	3,3'-Dichlorobenzidine			EPA 8270A	02/18/98	ND	5
34601	2,4-Dichlorophenol			EPA 8270A	02/18/98	ND	2.5
77541	2,6-Dichlorophenol			EPA 8270A	02/18/98	ND	2.5
39380	Dieldrin			EPA 8080	02/19/98	ND	0.0125
34336	Diethyl phthalate			EPA 8270A	02/18/98	ND	2.5
N/A	0,0-Diethyl 0,2-pyrazinyl phosphorothioate			EPA 8270A	02/18/98	ND	5
46314	Dimethoate			EPA 8270A	02/18/98	ND	5
N/A	p-(Dimethylamino)azobenzene			EPA 8270A	02/18/98	ND	2.5
N/A	7,12-Dimethylbenz(a)anthracene			EPA 8270A	02/18/98	ND	2.5
N/A	3,3'-Dimethylbenzidine			EPA 8270A	02/18/98	ND	2.5
34606	2,4-Dimethylphenol			EPA 8270A	02/18/98	ND	2.5
34341	Dimethyl phthalate			EPA 8270A	02/18/98	ND	2.5
N/A	m-Dinitrobenzene			EPA 8270A	02/18/98	ND	5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
51008	4,6-Dinitro-o-cresol			EPA 8270A	02/18/98	ND	12.5
34616	2,4-Dinitrophenol			EPA 8270A	02/18/98	ND	12.5
34611	2,4-Dinitrotoluene			EPA 8270A	02/18/98	ND	2.5
34626	2,6-Dinitrotoluene			EPA 8270A	02/18/98	ND	2.5
38779	Dinoseb			EPA 8150	02/19/98	ND	0.25
34596	Di-n-octyl phthalate			EPA 8270A	02/18/98	ND	2.5
77579	Diphenylamine			EPA 8270A	02/18/98	ND	2.5
81888	Disulfoton			EPA 8270A	02/18/98	ND	2.5
34361	Endosulfan I			EPA 8080	02/19/98	ND	0.0125
34356	Endosulfan II			EPA 8080	02/19/98	ND	0.0125
34351	Endosulfan sulfate			EPA 8080	02/19/98	ND	0.125
39390	Endrin			EPA 8080	02/19/98	ND	0.025
34366	Endrin aldehyde			EPA 8080	02/19/98	ND	0.05
N/A	Ethyl methanesulfonate			EPA 8270A	02/18/98	ND	5
38462	Famphur			EPA 8270A	02/18/98	ND	5
34376	Fluoranthene			EPA 8270A	02/18/98	ND	2.5
34381	Fluorene			EPA 8270A	02/18/98	ND	2.5
39410	Heptachlor			EPA 8080	02/19/98	ND	0.0125
39420	Heptachlor epoxide			EPA 8080	02/19/98	ND	0.25
39700	Hexachlorobenzene			EPA 8270A	02/18/98	ND	2.5
34391	Hexachlorobutadiene			EPA 8270A	02/18/98	ND	2.5
34386	Hexachlorocyclopentadiene			EPA 8270A	02/18/98	ND	2.5
34396	Hexachloroethane			EPA 8270A	02/18/98	ND	2.5
N/A	Hexachloropropene			EPA 8270A	02/18/98	ND	2.5
77033	Isobutyl alcohol			EPA 8260A	02/02/98	ND	0.5
39430	Isodrin			EPA 8270A	02/18/98	ND	5
34408	Isophorone			EPA 8270A	02/18/98	ND	2.5
N/A	Isosafrole			EPA 8270A	02/18/98	ND	2.5
81593	Methacrylonitrile			EPA 8260A	02/02/98	ND	0.5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
N/A	Methapyrilene			EPA 8270A	02/18/98	ND	25
39480	Methoxychlor			EPA 8080	02/19/98	ND	0.05
N/A	3-Methylchlolanthrene			EPA 8270A	02/18/98	ND	2.5
81597	Methyl methacrylate			EPA 8260A	02/02/98	ND	0.5
N/A	Methyl methanesulfonate			EPA 8270A	02/18/98	ND	2.5
77416	2-Methylnaphthalene			EPA 8270A	02/18/98	ND	2.5
39600	Methyl parathion			EPA 8270A	02/18/98	ND	2.5
34696	Naphthalene			EPA 8270A	02/18/98	ND	2.5
N/A	1,4-Naphthoquinone			EPA 8270A	02/18/98	ND	2.5
N/A	1-Naphthylamine			EPA 8270A	02/18/98	ND	2.5
N/A	2-Naphthylamine			EPA 8270A	02/18/98	ND	2.5
N/A	2-Nitroaniline			EPA 8270A	02/18/98	ND	12.5
78300	3-Nitroaniline			EPA 8270A	02/18/98	ND	12.5
30342	4-Nitroaniline			EPA 8270A	02/18/98	ND	5
34447	Nitrobenzene			EPA 8270A	02/18/98	ND	2.5
34591	2-Nitrophenol			EPA 8270A	02/18/98	ND	2.5
34646	4-Nitrophenol			EPA 8270A	02/18/98	ND	12.5
N/A	n-Nitrosodi-n-butylamine			EPA 8270A	02/18/98	ND	12.5
78200	n-Nitrosodiethylamine			EPA 8270A	02/18/98	ND	5
34438	n-Nitrosodimethylamine			EPA 8270A	02/18/98	ND	5
34433	n-Nitrosodiphenylamine			EPA 8270A	02/18/98	ND	5
34428	n-Nitroso-n-dipropylamine			EPA 8270A	02/18/98	ND	2.5
N/A	n-Nitrosomethylethylamine			EPA 8270A	02/18/98	ND	2.5
N/A	n-Nitrosopiperidine			EPA 8270A	02/18/98	ND	5
78206	n-Nitrosopyrrolidine			EPA 8270A	02/18/98	ND	10
N/A	5-Nitro-o-toluidine			EPA 8270A	02/18/98	ND	2.5
39540	Parathion			EPA 8270A	02/18/98	ND	2.5
77793	Pentachlorobenzene			EPA 8270A	02/18/98	ND	2.5
81316	Pentachloronitrobenzene			EPA 8270A	02/18/98	ND	5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
39032	Pentachlorophenol			EPA 8270A	02/18/98	ND	12.5
N/A	Phenacetin			EPA 8270A	02/18/98	ND	5
34461	Phenanthrene			EPA 8270A	02/18/98	ND	2.5
32730	Phenol			EPA 8270A	02/18/98	ND	2.5
N/A	p-Phenylenediamine			EPA 8270A	02/18/98	ND	2.5
46313	Phorate			EPA 8270A	02/18/98	ND	2.5
39516	PCBs			EPA 8080	02/19/98	ND	12.5
39080	Pronamide			EPA 8270A	02/18/98	ND	2.5
77007	Propionitrile			EPA 8260A	02/02/98	ND	0.5
34469	Pyrene			EPA 8270A	02/18/98	ND	2.5
77545	Safrole			EPA 8270A	02/18/98	ND	2.5
39760	Silvex			EPA 8150	02/19/98	ND	0.5
81520	Chloroprene			EPA 8260A	02/02/98	ND	0.5
00746	Sulfide			EPA 376.2	01/23/98	ND	0.1
39740	2,4,5-T			EPA 8150	02/19/98	ND	0.5
77734	1,2,4,5-Tetrachlorobenzene			EPA 8270A	02/18/98	ND	2.5
N/A	2,3,4,6-Tetrachlorophenol			EPA 8270A	02/18/98	ND	2.5
77142	o-Toluidine			EPA 8270A	02/18/98	ND	2.5
39400	Toxaphene			EPA 8080	02/19/98	ND	0.5
34551	1,2,4-Trichlorobenzene			EPA 8270A	02/18/98	ND	0.5
77687	2,4,5-Trichlorophenol			EPA 8270A	02/18/98	ND	2.5
34621	2,4,6-Trichlorophenol			EPA 8270A	02/18/98	ND	2.5
N/A	Triethyl phosphorothioate			EPA 8270A	02/18/98	ND	2.5
N/A	1,3,5-Trinitrobenzene			EPA 8270A	02/18/98	ND	2.5
77173	1,3-Dichloropropane			EPA 8260A	02/02/98	ND	0.5
77170	2,2-Dichloropropane			EPA 8260A	02/02/98	ND	0.5
77168	1,1-Dichloropropene			EPA 8260A	02/02/98	ND	0.5
34566	1,3-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34403	Indeno(1,2,3-cd)pyrene			EPA 8270A	02/18/98	ND	2.5
N/A	Kepone			EPA 8270A	02/18/98	ND	5
81597	Methyl methacrylate			EPA 8260A	02/02/98	ND	5

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 01/21/98 @ 1150

Test Site ID #: NA

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

Well Name: Tank #2

Well Purged (Y/N): YES

Classification of Groundwater: NA

Well Type: ( ) Background
( ) Intermediate
( ) 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	01/22/98 1530	0.47	mg/L	0.11	mg/L
000940	Chloride	"	"	SM 4500Cl-B	01/26/98 1430	35.4	mg/L	0.15	mg/L
000400	pH-Field	"	"	SM 4500H+B	01/21/98 1150	6.89	Std. Units	0.01	Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	01/21/98 1530	645	mg/L	1	mg/L
000344	Dissolved Olygen	"	"	SM 4500 O G	01/21/98 1150	2.22	mg/L	0.01	mg/L
000410	Bicarbonate	"	"	SM 2320B	01/22/98 1100	264	mg/L	1	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	01/21/98 1150	617	µmhos/cm	0.00	µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	01/21/98 1150	19.88	°C	0	°C
000610	Ammonia	"	"	SM 4500NH_3B	02/03/98 1100	9.17	mg/L	0.03	mg/L
900216	Color	"	"	SM 2120B	01/22/98 0830	350	PCU	0.0	PCU
001045	Iron	"	"	SM 3113B	01/23/98 1400	0.62	mg/L	0.001	mg/L
000929	Sodium	"	"	SM 3111B	01/23/98	23.2	mg/L	0.01	mg/L
071900	Mercury	"	"	SM 3112B	01/26/98 1450	0.0004	mg/L	0.0002	mg/L
000612	NH_4-N	"	"	DEP SOP 10/03/83	03/05/98 1000	0.035	mg/L	0.02	mg/L

*Attach Laboratory Reports

mo/g031029(2)

PART III - ANALYTICAL RESULTS
FCEL LAB# 9801-198

Facility GMS #: _____ Sampling Date/Time: 1/21/98 @ 11:50

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

WELL NAME: TANK-2 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)					degree,C	degree, C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft. NGVD	Ft.NGVD
00094	Specific Cond. (field)					µmhos/cm	µmhos/cm
01097	Antimony			EPA 204.2	02/06/98	<0.0013	0.0013
01002	Arsenic			EPA 206.2	02/21/98	0.0059	0.00074
01007	Barium			EPA 200.7	02/13/98	0.012	0.0048
01012	Beryllium			EPA 200.7	02/13/98	0.0017	0.0016
01027	Cadmium			EPA 213.2	02/04/98	<0.000068	0.000068
01034	Chromium			EPA 200.7	02/12/98	0.037	0.022
01037	Cobalt			EPA 200.7	02/13/98	0.042	0.011
01042	Copper			EPA 200.7	01/29/98	0.010	0.0029
01051	Lead			EPA 239.2	01/31/98	0.00136	0.0002
01067	Nickel			EPA 200.7	02/13/98	0.125	0.028
01147	Selenium			EPA 270.2	02/10/98	0.005	0.0016
01077	Silver			EPA 200.7	01/29/98	<0.0033	0.0033
01057	Thallium			EPA 279.2	02/05/98	<0.00078	0.00078
01085	Vanadium			EPA 200.7	02/12/98	0.035	0.0088
71900	Mercury			EPA 245.1	02/10/98	<0.000029	<0.000029
01102	Tin			EPA 200.7	03/31/98	0.256	0.078
01092	Zinc			EPA 200.7	02/13/98	0.053	00032
00720	Cyanide			EPA 335.2	01/29/98	0.011	0.010

PART III - ANALYTICAL RESULTS (Continued) CL LAB # 9801-198

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260A	02/02/98	ND	0.330
34215	Acrylonitrile			EPA 8260A	02/02/98	ND	0.483
34235	Benzene			EPA 8260A	02/02/98	ND	0.147
N/A	Bromochloromethane			EPA 8260A	02/02/98	ND	0.5
32101	Bromodichloromethane			EPA 8260A	02/02/98	ND	0.300
32104	Bromoform			EPA 8260A	02/02/98	ND	0.226
77041	Carbon disulfide			EPA 8260A	02/02/98	ND	0.459
32102	Carbon tetrachloride			EPA 8260A	02/02/98	ND	0.316
34301	Chlorobenzene			EPA 8260A	02/02/98	ND	0.234
34311	Chloroethane			EPA 8260A	02/02/98	ND	0.148
32106	Chloroform			EPA 8260A	02/02/98	ND	0.104
32105	Dibromochloromethane			EPA 8260A	02/02/98	ND	0.185
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/02/98	ND	0.013
77651	1,2-Dibromoethane			EPA 504	02/02/98	ND	0.014
34537	o-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.365
34571	p-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.298
49263	trans-1,4-Dichloro-2-butene			EPA 8260A	02/02/98	ND	0.221
34496	1,1-Dichloroethane			EPA 8260A	02/02/98	ND	0.275
32103	1,2-Dichloroethane			EPA 8260A	02/02/98	ND	0.128
34502	1,1-Dichloroethene			EPA 8260A	02/02/98	ND	0.5
81686	cis-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.253
34546	trans-1,2-Dichloroethene			EPA 8260A	02/02/98	ND	0.195
34541	1,2-Dichloropropane			EPA 8260A	02/02/98	ND	0.147
34704	cis-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.157
34699	trans-1,3-Dichloropropene			EPA 8260A	02/02/98	ND	0.198
78113	Ethylbenzene			EPA 8260A	02/02/98	ND	0.173
77103	2-Hexanone			EPA 8260A	02/02/98	ND	0.494
34413	Methyl bromide			EPA 8260A	02/02/98	ND	0.177

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34205	Acenaphthene			EPA 8270A	02/18/98	ND	2.5
34200	Acenaphthylene			EPA 8270A	02/18/98	ND	2.5
N/A	Acetonitrile			EPA 8270A	02/18/98	ND	0.5
81553	Acetophenone			EPA 8270A	02/18/98	ND	2.5
N/A	2-Acetylaminofluorene			EPA 8270A	02/18/98	ND	0.5
34210	Acrolein			EPA 8260A	02/02/98	ND	0.5
39330	Aldrin			EPA 8080	02/19/98	ND	0.0125
78109	Allyl chloride			EPA 8260A	02/02/98	ND	0.5
N/A	4-Aminobiphenyl			EPA 8270A	02/18/98	ND	50
34220	Anthracene			EPA 8270A	02/18/98	ND	2.5
34527	Benzo(a)anthracene			EPA 8270A	02/18/98	ND	2.5
34230	Benzo(b)fluoranthene			EPA 8270A	02/18/98	ND	2.5
34242	Benzo(k)fluoranthene			EPA 8270A	02/18/98	ND	2.5
34521	Benzo(ghi)perylene			EPA 8270A	02/18/98	ND	2.5
34247	Benzo(a)pyrene			EPA 8270A	02/18/98	ND	2.5
77147	Benzyl alcohol			EPA 8270A	02/18/98	ND	2.5
34253	alpha-BHC			EPA 8080	02/19/98	ND	0.0125
34255	beta-BHC			EPA 8080	02/19/98	ND	0.0125
34259	delta-BHC			EPA 8080	02/19/98	ND	0.025
39340	gamma-BHC			EPA 8080	02/19/98	ND	0.0125
34278	Bis(2-chloroethoxy)methane			EPA 8270A	02/18/98	ND	2.5
34273	Bis(2-chloroethyl)ether			EPA 8270A	02/18/98	ND	2.5
34283	Bis(2-chloroisopropyl)ether			EPA 8270A	02/18/98	ND	2.5
39100	Bis(2-ethylhexyl)phthalate			EPA 8270A	02/18/98	ND	2.5
34636	4-Bromophenyl phenyl ether			EPA 8270A	02/18/98	ND	2.5
81003	Butyl benzyl phthalate			EPA 8270A	02/18/98	ND	2.5
39350	Chlordane			EPA 8080	02/19/98	ND	0.025
60037	p-Chloroaniline			EPA 8270A	02/18/98	ND	5
39460	Chlorobenzilate			EPA 8270A	02/18/98	ND	2.5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
N/A	4-Chloro-3-methylphenol			EPA 8270A	02/18/98	ND	5
34581	2-Chloronaphthalene			EPA 8270A	02/18/98	ND	2.5
34586	2-Chlorophenol			EPA 8270A	02/18/98	ND	2.5
34641	4-Chlorophenyl phenyl ether			EPA 8270A	02/18/98	ND	2.5
34320	Chrysene			EPA 8270A	02/18/98	ND	2.5
N/A	3-Methylphenol			EPA 8270A	02/18/98	ND	2.5
77152	2-Methylphenol			EPA 8270A	02/18/98	ND	2.5
N/A	4-Methylphenol			EPA 8270A	02/18/98	ND	2.5
39730	2,4-D			EPA 8150	02/19/98	ND	2.5
39360	4,4'-DDD			EPA 8080	02/19/98	ND	0.0125
39365	4,4'-DDE			EPA 8080	02/19/98	ND	0.025
39370	4,4'-DDT			EPA 8080	02/19/98	ND	2.5
N/A	Diallate			EPA 8270A	02/18/98	ND	2.5
51004	Dibenzo(a,h)anthracene			EPA 8270A	02/18/98	ND	2.5
81302	Dibenzofuran			EPA 8270A	02/18/98	ND	2.5
39110	Di-n-butyl phthalate			EPA 8270A	02/18/98	ND	2.5
34631	3,3'-Dichlorobenzidine			EPA 8270A	02/18/98	ND	5
34601	2,4-Dichlorophenol			EPA 8270A	02/18/98	ND	2.5
77541	2,6-Dichlorophenol			EPA 8270A	02/18/98	ND	2.5
39380	Dieldrin			EPA 8080	02/19/98	ND	0.0125
34336	Diethyl phthalate			EPA 8270A	02/18/98	ND	2.5
N/A	0,0-Diethyl 0,2-pyrazinyl phosphorothioate			EPA 8270A	02/18/98	ND	5
46314	Dimethoate			EPA 8270A	02/18/98	ND	5
N/A	p-(Dimethylamino)azobenzene			EPA 8270A	02/18/98	ND	2.5
N/A	7,12-Dimethylbenz(a)anthracene			EPA 8270A	02/18/98	ND	2.5
N/A	3,3'-Dimethylbenzidine			EPA 8270A	02/18/98	ND	2.5
33606	2,4-Dimethylphenol			EPA 8270A	02/18/98	ND	2.5
34341	Dimethyl phthalate			EPA 8270A	02/18/98	ND	2.5
N/A	m-Dinitrobenzene			EPA 8270A	02/18/98	ND	5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
51008	4,6-Dinitro-o-cresol			EPA 8270A	02/18/98	ND	12.5
34616	2,4-Dinitrophenol			EPA 8270A	02/18/98	ND	12.5
34611	2,4-Dinitrotoluene			EPA 8270A	02/18/98	ND	2.5
34626	2,6-Dinitrotoluene			EPA 8270A	02/18/98	ND	2.5
38779	Dinoseb			EPA 8150	02/19/98	ND	0.25
34596	Di-n-octyl phthalate			EPA 8270A	02/18/98	ND	2.5
77579	Diphenylamine			EPA 8270A	02/18/98	ND	2.5
81888	Disulfoton			EPA 8270A	02/18/98	ND	2.5
34361	Endosulfan I			EPA 8080	02/19/98	ND	0.0125
34356	Endosulfan II			EPA 8080	02/19/98	ND	0.0125
34351	Endosulfan sulfate			EPA 8080	02/19/98	ND	0.125
39390	Endrin			EPA 8080	02/19/98	ND	0.025
34366	Endrin aldehyde			EPA 8080	02/19/98	ND	0.05
N/A	Ethyl methanesulfonate			EPA 8270A	02/18/98	ND	5
38462	Famphur			EPA 8270A	02/18/98	ND	5
34376	Fluoranthene			EPA 8270A	02/18/98	ND	2.5
34381	Fluorene			EPA 8270A	02/18/98	ND	2.5
39410	Heptachlor			EPA 8080	02/19/98	ND	0.0125
39420	Heptachlor epoxide			EPA 8080	02/19/98	ND	0.25
39700	Hexachlorobenzene			EPA 8270A	02/18/98	ND	2.5
34391	Hexachlorobutadiene			EPA 8270A	02/18/98	ND	2.5
34386	Hexachlorocyclopentadiene			EPA 8270A	02/18/98	ND	2.5
34396	Hexachloroethane			EPA 8270A	02/18/98	ND	2.5
N/A	Hexachloropropene			EPA 8270A	02/18/98	ND	2.5
77033	Isobutyl alcohol			EPA 8260A	02/02/98	ND	0.5
39430	Isodrin			EPA 8270A	02/18/98	ND	5
34408	Isophorone			EPA 8270A	02/18/98	ND	2.5
N/A	Isosafrole			EPA 8270A	02/18/98	ND	2.5
81593	Methacrylonitrile			EPA 8260A	02/02/98	ND	0.5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
N/A	Methapyrilene			EPA 8270A	02/18/98	ND	25
39480	Methoxychlor			EPA 8080	02/19/98	ND	0.05
N/A	3-Methylchlolanthrene			EPA 8270A	02/18/98	ND	2.5
81597	Methyl methacrylate			EPA 8260A	02/02/98	ND	0.5
N/A	Methyl methanesulfonate			EPA 8270A	02/18/98	ND	2.5
77416	2-Methylnaphthalene			EPA 8270A	02/18/98	ND	2.5
39600	Methyl parathion			EPA 8270A	02/18/98	ND	2.5
34696	Naphthalene			EPA 8270A	02/18/98	ND	2.5
N/A	1,4-Naphthoquinone			EPA 8270A	02/18/98	ND	2.5
N/A	1-Naphthylamine			EPA 8270A	02/18/98	ND	2.5
N/A	2-Naphthylamine			EPA 8270A	02/18/98	ND	2.5
N/A	2-Nitroaniline			EPA 8270A	02/18/98	ND	12.5
78300	3-Nitroaniline			EPA 8270A	02/18/98	ND	12.5
30342	4-Nitroaniline			EPA 8270A	02/18/98	ND	5
34447	Nitrobenzene			EPA 8270A	02/18/98	ND	2.5
34591	2-Nitrophenol			EPA 8270A	02/18/98	ND	2.5
34646	4-Nitrophenol			EPA 8270A	02/18/98	ND	12.5
N/A	n-Nitrosodi-n-butylamine			EPA 8270A	02/18/98	ND	12.5
78200	n-Nitrosodiethylamine			EPA 8270A	02/18/98	ND	5
34438	n-Nitrosodimethylamine			EPA 8270A	02/18/98	ND	5
34433	n-Nitrosodiphenylamine			EPA 8270A	02/18/98	ND	5
34428	n-Nitroso-n-dipropylamine			EPA 8270A	02/18/98	ND	2.5
N/A	n-Nitrosomethylethylamine			EPA 8270A	02/18/98	ND	2.5
N/A	n-Nitrosopiperidine			EPA 8270A	02/18/98	ND	5
78206	n-Nitrosopyrrolidine			EPA 8270A	02/18/98	ND	10
N/A	5-Nitro-o-toluidine			EPA 8270A	02/18/98	ND	2.5
39540	Parathion			EPA 8270A	02/18/98	ND	2.5
77793	Pentachlorobenzene			EPA 8270A	02/18/98	ND	2.5
81316	Pentachloronitrobenzene			EPA 8270A	02/18/98	ND	5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
39032	Pentachlorophenol			EPA 8270A	02/18/98	ND	12.5
N/A	Phenacetin			EPA 8270A	02/18/98	ND	5
34461	Phenanthrene			EPA 8270A	02/18/98	ND	2.5
32730	Phenol			EPA 8270A	02/18/98	ND	2.5
N/A	p-Phenylenediamine			EPA 8270A	02/18/98	ND	2.5
46313	Phorate			EPA 8270A	02/18/98	ND	2.5
39516	PCBs			EPA 8080	02/19/98	ND	12.5
39080	Pronamide			EPA 8270A	02/18/98	ND	2.5
77007	Propionitrile			EPA 8260A	02/02/98	ND	0.5
34469	Pyrene			EPA 8270A	02/18/98	ND	2.5
77545	Safrole			EPA 8270A	02/18/98	ND	2.5
39760	Silvex			EPA 8150	02/19/98	ND	0.5
81520	Chloroprene			EPA 8260A	02/02/98	ND	0.5
00746	Sulfide			EPA 376.2	01/23/98	ND	0.1
39740	2,4,5-T			EPA 8150	02/19/98	ND	0.5
77734	1,2,4,5-Tetrachlorobenzene			EPA 8270A	02/18/98	ND	2.5
N/A	2,3,4,6-Tetrachlorophenol			EPA 8270A	02/18/98	ND	2.5
77142	o-Toluidine			EPA 8270A	02/18/98	ND	2.5
39400	Toxaphene			EPA 8080	02/19/98	ND	0.5
34551	1,2,4-Trichlorobenzene			EPA 8270A	02/18/98	ND	0.5
77687	2,4,5-Trichlorophenol			EPA 8270A	02/18/98	ND	2.5
34621	2,4,6-Trichlorophenol			EPA 8270A	02/18/98	ND	2.5
N/A	Triethyl phosphorothioate			EPA 8270A	02/18/98	ND	2.5
N/A	1,3,5-Trinitrobenzene			EPA 8270A	02/18/98	ND	2.5
77173	1,3-Dichloropropane			EPA 8260A	02/02/98	ND	0.5
77170	2,2-Dichloropropane			EPA 8260A	02/02/98	ND	0.5
77168	1,1-Dichloropropene			EPA 8260A	02/02/98	ND	0.5
34566	1,3-Dichlorobenzene			EPA 8260A	02/02/98	ND	0.5

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34403	Indeno(1,2,3-cd)pyrene			EPA 8270A	02/18/98	ND	2.5
N/A	Kepone			EPA 8270A	02/18/98	ND	5
81597	Methyl methacrylate			EPA 8260A	02/02/98	ND	5

PASCO COUNTY, FLORIDA

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

REPORT OF ANALYSES

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

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

SAMPLE NUMBER- 63928 SAMPLE ID- TANK-1 SAMPLE MATRIX- LE
DATE SAMPLED- 01/21/98 LOCATION- TIME SAMPLED- 1100
DATE RECEIVED- 01/21/98 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD			01/21/98	1100	CHR	--------	FEET
FIELD PH	EPA 150.1			01/21/98	1100	CHR	6.67	STD. UNITS
FIELD TEMPERATURE	SM2550B			01/21/98	1100	CHR	20.10	DEGREES C
FIELD CONDUCTIVITY	SM2510B			01/21/98	1100	CHR	1880	umhos/cm
DISSOLVED OXYGEN. FIELD	SM4500-O G			01/21/98	1100	CHR	0.50	mg/L
ALKALINITY.BICARB.	EPA310.1			01/22/98	1100	JK	528	mg/l
CHLORIDE	EPA 325.2			01/26/98	1430	JK	122	mg/L
COLOR	EPA 110.2			01/22/98	0830	JK	180	PCU
AMMONIA NITROGEN	SM4500NH3H			02/03/98	1100	IF	4.29	mg/L
UN-IONIZED AMMONIA N	DEP SOP			03/05/98	1000	CEM	<0.02	mg/L
NITRATE	EPA 353.2			01/22/98	1530	IF	0.13	mg/L
TOTAL DISS.SOLIDS	EPA160.1			01/21/98	1530	JK	1140	mg/L
IRON.TOTAL	SM3113B	01/23/98	TER	01/23/98	1400	TER	0.35	mg/L
MERCURY.TOTAL	245.1			01/26/98	1450	TER	0.0009	mg/L
SODIUM.TOTAL	273.1	01/23/98	TER	01/23/98	1210	TER	60.1	mg/L

LABORATORY DIRECTOR

PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
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NEW PORT RICHEY, FL 34654
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REPORT OF ANALYSES

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

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

SAMPLE NUMBER- 63929 SAMPLE ID- TANK-2 SAMPLE MATRIX- LE
DATE SAMPLED- 01/21/98 LOCATION- TIME SAMPLED- 1150
DATE RECEIVED- 01/21/98 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1500 DELIVERED BY- CHRIS CHILDRESS

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD			01/21/98	1150	CHR	--------	FEET
FIELD PH	EPA 150.1			01/21/98	1150	CHR	6.89	STD. UNITS
FIELD TEMPERATURE	SM2550B			01/21/98	1150	CHR	19.88	DEGREES C
FIELD CONDUCTIVITY	SM2510B			01/21/98	1150	CHR	617	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			01/21/98	1150	CHR	2.22	mg/L
ALKALINITY,BICARB.	EPA310.1			01/22/98	1100	JK	264	mg/l
CHLORIDE	EPA 325.2			01/26/98	1430	JK	35.4	mg/L
COLOR	EPA 110.2			01/22/98	0830	JK	350	PCU
AMMONIA NITROGEN	SM4500NH3H			02/03/98	1100	IF	9.17	mg/L
UN-IONIZED AMMONIA N	DEP SOP			03/05/98	1000	CEM	0.035	mg/L
NITRATE	EPA 353.2			01/22/98	1530	IF	0.47	mg/L
TOTAL DISS.SOLIDS	EPA160.1			01/21/98	1530	JK	645	mg/L
IRON,TOTAL	SM3113B	01/23/98	TER	01/23/98	1400	TER	0.62	mg/L
MERCURY,TOTAL	245.1			01/26/98	1450	TER	0.0004	mg/L
SODIUM,TOTAL	273.1	01/23/98	TER	01/23/98	1210	TER	23.2	mg/L

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QC REPORT FOR CLASS III LANDFILL 03/05/98

QA/QC for SAMPLE Nos: 63928, 63929,
Page 1

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
ALKALINITY,BICARB.	63927	178	180	2.0	1.12	------	----------	--------	--------	------
SM2320B	63929	264	265	1.0	0.38	------	----------	--------	--------	------
mg/l										
CHLORIDE	63925	--------	--------	--------	--------	100.30	----------	--------	--------	------
SM4500CL E	63966	584	604	20	3.37	------	----------	--------	--------	------
mg/L	63970	531	540	9.0	1.68	------	----------	--------	--------	------
	63973	781	791	10	1.27	------	----------	--------	--------	------
	63988	--------	--------	--------	--------	101.10	----------	--------	--------	------
COLOR	63929	350	350	0	0.00	------	----------	--------	--------	------
SM 2120B										
PCU										
AMMONIA NITROGEN	63928	4.31	4.27	0.040	0.93	------	NH3 STD	1.200	1.096	93.32
SM4500NH3H	64167	--------	--------	--------	--------	110.95	----------	--------	--------	------
mg/L										
UN-IONIZED AMMONIA N	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
DEP SOP										
mg/L										
NITRATE	62924	--------	--------	--------	--------	100.64	----------	--------	--------	------
SM4500NO3F	63927	<0.11	<0.11	0.055	0.00	------	----------	--------	--------	------
mg/L	63935	0.22	0.25	0.030	12.77	------	----------	--------	--------	------
	63957	--------	--------	--------	--------	98.10	----------	--------	--------	------

PASCO COUNTY, FLORIDA

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QC REPORT FOR CLASS III LANDFILL 03/05/98

QA/QC for SAMPLE Nos: 63928, 63929,
Page 2

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
	63963	3.25	3.15	0.10	3.13	------	----------	--------	--------	------
	63968	--------	--------	--------	--------	95.47	----------	--------	--------	------
TOTAL DISS.SOLIDS	63921	--------	--------	--------	--------	104.70	----------	--------	--------	------
SM2540C	63929	634	656	22	3.41	------	----------	--------	--------	------
mg/L										
IRON.TOTAL	63929	0.63	0.62	0.010	1.60	102.00	----------	--------	--------	------
SM3113B										
mg/L										
MERCURY,TOTAL	63924	0.71	0.69	0.020	2.86	104.80	----------	--------	--------	------
SM3112B										
mg/L										
SODIUM.TOTAL	63973	12.10	12.12	0.020	0.17	102.30	----------	--------	--------	------
SM3111B										
mg/L										

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

Analytical Quality Assurance Summary
Organic Analyses

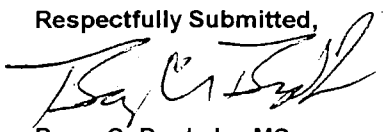
Client: National Testing Labs/Broward Testing Labs
Sample ID: 9801-198
Date Rec.'d: 23-Jan-98
Analysis Date: 02-Feb-98

EPA 8260A Purgeable Organics

Analyte	Accuracy %Recovery (MS)	Accuracy %Recovery (MSD)	Precision RPD	Acceptance Limits Accuracy	Acceptance Limits Precision
Benzene	95.2	93.1	1.12	78 - 116	17
Chlorobenzene	101	98.2	1.41	81 - 115	18
1,1-Dichloroethene	89.3	94.4	2.78	75 - 113	20
Toluene	84.6	88.1	2.03	78 - 126	24
Trichloroethene	99.5	103	1.73	70 - 110	22
Surrogates					
Dibromofluoromethane	103	99.8	---	81 - 135	---
Toluene-d8	88.5	92.1	---	74 - 122	---
Bromofluorobenzene	103	101	---	81 - 137	---

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

Respectfully Submitted,



Barry C. Byrd, Jr. MS
Technical Director/QA Officer
FL Dept. of Health Safe Drinking Water Lab #82110
FL Dept. of Health Environmental Lab #E82102
FL DEP Comprensive QA Plan #870222
EPA Lab # FL00062

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

Analytical Quality Assurance Summary
Organic Analyses

Client: National Testing Labs/Broward Testing Labs
Sample ID: 9801-198
Date Rec.'d: 23-Jan-98
Analysis Date: 19-Feb-98

Pesticides/PCB's Method 8080

Analyte	Accuracy %Recovery (MS)	Accuracy %Recovery (MSD)	Precision RPD	Acceptance Limits Accuracy	Acceptance Limits Precision
Aldrin	99.3	108	4.20	89 - 133	7.5
Lindane	83.6	82.1	0.91	75 - 120	10.2
Methoxychlor	91.3	98.4	3.74	70 - 130	20
Toxaphene	88.6	93.9	2.90	41 - 146	11.4

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Respectfully Submitted,

Barry C. Byrd, Jr. MS
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FL Dept. of Health Environmental Lab #E82102
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EPA Lab # FL00062

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

Analytical Quality Assurance Summary
Organic Analyses

Client: National Testing Labs/Broward Testing Labs
Sample ID: 9801-198
Date Rec.'d: 23-Jan-98
Analysis Date: 19-Feb-98

Herbicides EPA Method 8150

Analyte	Accuracy %Recovery (MS)	Accuracy %Recovery (MSD)	Precision RPD	Acceptance Limits Accuracy	Acceptance Limits Precision
2,4-D	77.3	81.5	2.64	65 - 89	12
2,4,5-TP (Silvex)	88.6	91.7	1.72	76 - 100	12

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Respectfully Submitted,

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

Analytical Quality Assurance Summary
Organic Analyses

Client: National Testing Labs/Broward Testing Labs
Sample ID: 9801-198
Date Rec.'d: 23-Jan-98
Analysis Date: 18-Feb-98

EPA 8270A Extractable Organics

Analyte	Accuracy %Recovery (MS)	Accuracy %Recovery (MSD)	Precision RPD	Acceptance Limits Accuracy	Acceptance Limits Precision
Phenol	88.3	78.6	5.81	5 - 112	22.6
2-Chlorophenol	97.6	99.8	1.11	23 - 129	28.7
4-Chloro-3-methylphenol	81.2	88.7	4.41	22 - 147	37.2
4-Nitrophenol	61.2	65.8	3.62	1 - 132	47.2
Pentachlorophenol	98.7	88.4	5.51	14-171	48.9
1,4-Dichlorobenzene	102	98.3	1.85	1 - 108	32.1
N-nitroso-di-n-propylamine	72.1	83.9	7.56	1 - 180	55.4
1,2,4-Trichlorobenzene	90.4	95.3	2.64	44 - 145	28.1
Acenapthene	96.8	88.7	4.37	47 - 138	27.6
2,4-Dinitrotoluene	69.8	74.6	3.32	39 - 129	21.8
Pyrene	88.2	93.7	3.02	52 - 129	25.2
Surrogates					
2-Fluorobiphenyl	95.3	103	---	43 - 116	---
2-Fluorophenol	71.1	68.3	---	21 - 100	---
Nitrobenzene-d5	103	91.4	---	35 - 114	---
Phenol-d5	78.9	87.9	---	21 - 100	---
p-Terphenyl-d14	99.4	101	---	33 - 141	---
2,4,6-Tribromophenol	88.4	90.1	---	10 - 123	---

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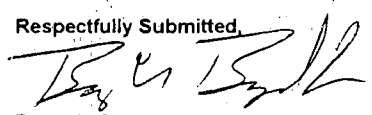
Respectfully Submitted,



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EPA Lab # FL00062

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

Analytical Quality Assurance Summary
Metals

Client: National Testing Labs/Broward Testing Labs
Sample ID: 9803-198
Date Rec.'d:

Analyte	Method	Determined Accuracy (%Recovery) MS	MSD	Precision RPD	Analysis Date	Acceptance Limits Accuracy	RPD
Arsenic	206.2	118.8	105.1	12.24	21-Feb-98	74.1 - 132	35
Barium	200.7	105	109	3.74	13-Feb-98	78 - 128.4	15.1
Cadmium	213.2	98.6	105.8	7.05	04-Feb-98	67 - 132	13.7
Chromium	200.7	99.4	112.8	12.63	12-Feb-98	82.7 - 118.5	12.7
Lead	239.2	95.8	96.8	1.04	31-Jan-98	66.8 - 132.9	22.9
Selenium	270.2	90	111.6	21.43	10-Feb-98	66.4 - 132.6	28
Silver	200.7	95.8	93.2	2.75	29-Jan-98	77.6 - 126.2	11
Antimony	204.2	103.5	97.3	6.18	06-Feb-98	59.7 - 127.6	31
Beryllium	200.7	99.8	102.7	2.86	13-Feb-98	75.6 - 142.1	9.5
Copper	200.7	102.7	96	6.74	29-Jan-98	77.2-118.4	11.1
Nickel	200.7	101.1	89.1	12.62	13-Feb-98	85.1 - 121.4	14.1
Thallium	279.2	104.2	97.7	6.44	05-Feb-98	63.5 - 142.4	24.3
Zinc	200.7	107.6	99.3	8.02	13-Feb-98	78.8 - 114.9	9.31
Cobalt	200.7	92	83.5	9.69	13-Feb-98	80.1 - 117.3	13.12
Vanadium	200.7	113.3	114.6	1.14	13-Feb-98	84.5 - 117.1	8.7

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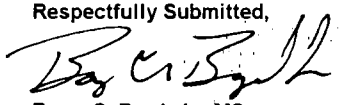
Respectfully Submitted,



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