



LAND O' LAKES  
NEW PORT RICHEY

# PASCO COUNTY, FLORIDA

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

92303  
leachate  
**D.E.P.**  
MAR 30 2004  
Southwest District Tampa

26 March 2004

Mr. John Morris  
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, 2004

Dear Mr. Morris:

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).

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

Sincerely,

Candia E. Mulhern  
Laboratory Manager

Enc.: 1

cc: MS 4565-Solid Waste Section, Florida Department of Environmental Protection, 2600 Blair Stone Road,  
Tallahassee, FL 32399-2400

Douglas S. Bramlett, Assistant County Administrator (Utilities Services)  
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director  
John Power, Solid Waste Facility Manager

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 03/03/04 @ 0955

Test Site ID #: NA

Report Period: 2004 / Quarter I  
(year/quarter)

Well Name: Tank #1

Well Purged (Y/N): YES

Classification of Groundwater: N/A

**D.E.P.**  
Well Type: ( ) Background  
( ) Intermediate  
( ) Compliance  
( ) Other  
**MAR 30 2004**  
Southwest District Tampa

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 4500N <sub>3</sub> F	03/11/04 1300	<0.03 mg/L	0.11 mg/L <i>0.03</i>
000940	Chloride	"	"	SM 4500C1-B	03/08/04 0830	311 mg/L	0.15 mg/L
000400	pH-Field	"	"	SM 4500H+B	03/03/04 0955	6.47 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	03/04/04 1100	1,500 mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	03/03/04 0955	0.15 mg/L	0.01 mg/L
000410	Bicarbonate	"	"	SM 2320B	03/05/04 1130	819 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	03/03/04 0955	1,920 μmhos/cm	0.00 μmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	03/03/04 0955	21.40 °C	0 °C
000610	Ammonia	"	"	SM 4500NH <sub>3</sub> B	03/10/04 0900	21.7 mg/L	0.03 mg/L
900216	Color	"	"	SN 2120B	03/03/04 0955	Clear PCU	0.0 PCU
001045	Iron	"	"	SM 3113B	03/05/04 1150	0.46 mg/L	0.001 mg/L
000929	Sodium	"	"	SM 3111B	03/05/04 1115	123 mg/L	0.01 mg/L
071900	Mercury	"	"	SM 3112B	03/15/04 0950	<0.0005 mg/L	0.0002 mg/L
000612	NH <sub>4</sub> -N	"	"	DEP SOP 10/03/83	03/10/04 0900	21.7 mg/L	0.02 mg/L

\*Attach Laboratory Reports



## Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04030137  
**Project:** WP CL-III Landfill  
**Lab ID:** F04030137-001

**Client Sample ID:** Tank-1  
**Collection Date:** 3/3/2004 9:55:00 AM  
**Sample Description:**  
**Matrix:** Waste Water

Analyses	Result	Qual	MDL	Limit	Units	DF	Date Analyzed	Batch ID
<b>CYANIDE, TOTAL</b>								
							PrepDate: 3/12/2004 9:30:00 A	Analyst: SST
Cyanide	0.0040	I	0.0030	0.010	mg/L	1	03/12/04 14:27	17917
<b>SULFIDE</b>								
							PrepDate:	Analyst: TSHE
Sulfide	24		0.32	0.10	mg/L	1	03/05/04	R23816
<b>ANTIMONY BY GFAA</b>								
							PrepDate: 3/8/2004 9:29:00 AM	Analyst: TPE
Antimony	0.00081	I	0.00035	0.0030	mg/L	1	03/09/04	17787
<b>ICP METALS</b>								
							PrepDate: 3/5/2004 9:42:00 AM	Analyst: JCO
Arsenic	0.084	*	0.0020	0.010	mg/L	1	03/05/04 23:07	17758
Barium	0.10		0.000074	0.010	mg/L	1	03/08/04 20:39	17758
Beryllium	0.00012	U	0.00012	0.0010	mg/L	1	03/05/04 23:07	17758
Cadmium	0.00024	U	0.00024	0.0010	mg/L	1	03/05/04 23:07	17758
Chromium	0.043		0.00060	0.0050	mg/L	1	03/05/04 23:07	17758
Cobalt	0.0036	I	0.0015	0.010	mg/L	1	03/08/04 20:39	17758
Copper	0.0049	I	0.00058	0.0050	mg/L	1	03/08/04 20:39	17758
Lead	0.0018	U	0.0018	0.010	mg/L	1	03/05/04 23:07	17758
Nickel	0.0030	I	0.0020	0.0050	mg/L	1	03/05/04 23:07	17758
Selenium	0.0040	U	0.0040	0.015	mg/L	1	03/05/04 23:07	17758
Silver	0.0014	U	0.0014	0.0050	mg/L	1	03/08/04 20:39	17758
Tin	0.0027	U	0.0027	0.050	mg/L	1	03/05/04 23:07	17758
Vanadium	0.0034	I	0.00040	0.010	mg/L	1	03/05/04 23:07	17758
Zinc	0.0023	U	0.0023	0.020	mg/L	1	03/05/04 23:07	17758
<b>MERCURY</b>								
							PrepDate: 3/8/2004 2:42:00 PM	Analyst: TPE
Mercury	0.000041	I	0.000036	0.00020	mg/L	1	03/09/04	17788
<b>THALLIUM BY GFAA</b>								
							PrepDate: 3/8/2004 9:29:00 AM	Analyst: TPE
Thallium	0.00072	I	0.00025	0.0010	mg/L	1	03/09/04	17787
<b>8011: EDB AND DBCP</b>								
							PrepDate: 3/11/2004 8:00:00 A	Analyst: EM
1,2-Dibromo-3-chloropropane	0.0041	U	0.0041	0.020	µg/L	1	03/12/04	17871
Ethylene Dibromide	0.0038	U	0.0038	0.010	µg/L	1	03/12/04	17871
Surr: 4-Bromofluorobenzene	102		0		%REC	1	03/12/04	17871
<b>8081: PESTICIDES, ORGANOCHLORINE</b>								
							PrepDate: 3/8/2004 5:20:00 PM	Analyst: DVA
Aldrin	0.010	U	0.010	0.0050	µg/L	1	03/17/04	17798
alpha-BHC	0.0040	U	0.0040	0.0050	µg/L	1	03/17/04	17798
beta-BHC	0.0080	U	0.0080	0.020	µg/L	1	03/17/04	17798

**Data Qualifier Code Key:**  
 \* Value exceeds Maximum Contaminant Level  
 U Not Detected Above the MDL

I Analyte detected below quantitation limits



## Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04030137  
**Project:** WP CL-III Landfill  
**Lab ID:** F04030137-001

**Client Sample ID:** Tank-1  
**Collection Date:** 3/3/2004 9:55:00 AM  
**Sample Description:**  
**Matrix:** Waste Water

Analyses	Result	Qual	MDL	Limit	Units	DF	Date Analyzed	Batch ID
<b>8081: PESTICIDES, ORGANOCHLORINE</b>		<b>SW8081</b>	PrepDate: 3/8/2004 5:20:00 PM		Analyst: DVA			
delta-BHC	0.0050	U	0.0050	0.020	µg/L	1	03/17/04	17798
gamma-BHC	0.0050	U	0.0050	0.020	µg/L	1	03/17/04	17798
Chlordane	0.14	U	0.14	0.50	µg/L	1	03/17/04	17798
Chlorobenzilate	0.080	U	0.080	0.10	µg/L	1	03/17/04	17798
4,4'-DDD	0.017	U	0.017	0.020	µg/L	1	03/17/04	17798
4,4'-DDE	0.010	U	0.010	0.020	µg/L	1	03/17/04	17798
4,4'-DDT	0.013	U	0.013	0.020	µg/L	1	03/17/04	17798
Dieldrin	0.0080	U	0.0080	0.0050	µg/L	1	03/17/04	17798
Endosulfan I	0.0090	U	0.0090	0.020	µg/L	1	03/17/04	17798
Endosulfan II	0.011	U	0.011	0.020	µg/L	1	03/17/04	17798
Endosulfan sulfate	0.012	U	0.012	0.020	µg/L	1	03/17/04	17798
Endrin	0.013	U	0.013	0.020	µg/L	1	03/17/04	17798
Endrin aldehyde	0.011	U	0.011	0.020	µg/L	1	03/17/04	17798
Heptachlor	0.0070	U	0.0070	0.020	µg/L	1	03/17/04	17798
Heptachlor epoxide	0.0080	U	0.0080	0.020	µg/L	1	03/17/04	17798
Methoxychlor	0.011	U	0.011	0.020	µg/L	1	03/17/04	17798
Pentachloronitrobenzene	0.027	U	0.027	0.50	µg/L	1	03/17/04	17798
Toxaphene	0.43	U	0.43	0.50	µg/L	1	03/17/04	17798
Surr: Decachlorobiphenyl	97.5		0		%REC	1	03/17/04	17798
Surr: Tetrachloro-m-xylene	83.5		0		%REC	1	03/17/04	17798
<b>8082: POLYCHLORINATED BIPHENYLS</b>		<b>SW8082</b>	PrepDate: 3/8/2004 5:20:00 PM		Analyst: DVA			
Aroclor 1016	0.10	U	0.10	0.50	µg/L	1	03/11/04	17798
Aroclor 1221	0.16	U	0.16	0.50	µg/L	1	03/11/04	17798
Aroclor 1232	0.11	U	0.11	0.50	µg/L	1	03/11/04	17798
Aroclor 1242	0.16	U	0.16	0.50	µg/L	1	03/11/04	17798
Aroclor 1248	0.13	U	0.13	0.50	µg/L	1	03/11/04	17798
Aroclor 1254	0.10	U	0.10	0.50	µg/L	1	03/11/04	17798
Aroclor 1260	0.11	U	0.11	0.50	µg/L	1	03/11/04	17798
Surr: Decachlorobiphenyl	97.5		0		%REC	1	03/11/04	17798
Surr: Tetrachloro-m-xylene	83.5		0		%REC	1	03/11/04	17798
<b>8141: PESTICIDES, ORGANOPHOSPHORUS</b>		<b>SW8141</b>	PrepDate: 3/9/2004 7:00:00 PM		Analyst: JZV			
Chlorfenvinphos	0.22	U	0.22	0.50	µg/L	1	03/15/04	17811
Dimethoate	0.14	U	0.14	0.50	µg/L	1	03/15/04	17811
Disulfoton	0.20	U	0.20	0.50	µg/L	1	03/15/04	17811
Famphur	0.22	U	0.22	0.50	µg/L	1	03/15/04	17811

**Data** \* Value exceeds Maximum Contaminant Level      I Analyte detected below quantitation limits  
**Qualifier** U Not Detected Above the MDL  
**Code Key:**



**ELAB, Inc.**

8 East Tower Cr., Ormond Beach, FL 32174-8759

Date: 22-Mar-04

### Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04030137  
**Project:** WP CL-III Landfill  
**Lab ID:** F04030137-001

**Client Sample ID:** Tank-1  
**Collection Date:** 3/3/2004 9:55:00 AM  
**Sample Description:**  
**Matrix:** Waste Water

Analyses	Result	Qual	MDL	Limit	Units	DF	Date Analyzed	Batch ID
<b>8141: PESTICIDES, ORGANOPHOSPHORUS</b>								
Parathion, Ethyl	0.34	U	0.34	1.0	µg/L	1	03/15/04	17811
Parathion, Methyl	0.19	U	0.19	0.50	µg/L	1	03/15/04	17811
Phorate	0.38	U	0.38	1.0	µg/L	1	03/15/04	17811
Surr: 4-Chloro-3-nitrobenzotrifluoride	70.4		0		%REC	1	03/15/04	17811
<b>8151: HERBICIDES, CHLORINATED BY GC</b>								
2,4-D	0.15	U	0.15	0.10	µg/L	1	03/17/04	17797
Dinoseb	0.090	U	0.090	0.20	µg/L	1	03/17/04	17797
Pentachlorophenol	0.030	U	0.030	0.040	µg/L	1	03/17/04	17797
2,4,5-T	0.020	U	0.020	0.20	µg/L	1	03/17/04	17797
2,4,5-TP (Silvex)	0.030	U	0.030	0.20	µg/L	1	03/17/04	17797
Surr: DCAA	111		0		%REC	1	03/17/04	17797
<b>8260: VOLATILE ORGANIC COMPOUNDS</b>								
Acetone	10		0.91	10	µg/L	1	03/11/04	17920
Acetonitrile	2.4	U	2.4	10	µg/L	1	03/11/04	17920
Acrolein	2.0	U	2.0	10	µg/L	1	03/11/04	17920
Acrylonitrile	0.93	U	0.93	10	µg/L	1	03/11/04	17920
Allyl chloride	0.12	U	0.12	1.0	µg/L	1	03/11/04	17920
Benzene	4.9	*	0.31	1.0	µg/L	1	03/11/04	17920
Bromochloromethane	0.22	U	0.22	1.0	µg/L	1	03/11/04	17920
Bromodichloromethane	0.10	U	0.10	0.60	µg/L	1	03/11/04	17920
Bromoform	0.11	U	0.11	1.0	µg/L	1	03/11/04	17920
Bromomethane	0.12	U	0.12	1.0	µg/L	1	03/11/04	17920
2-Butanone	0.29	U	0.29	10	µg/L	1	03/11/04	17920
Carbon disulfide	0.25	U	0.25	1.0	µg/L	1	03/11/04	17920
Carbon tetrachloride	0.25	U	0.25	1.0	µg/L	1	03/11/04	17920
Chlorobenzene	0.10	U	0.10	1.0	µg/L	1	03/11/04	17920
Chloroethane	0.16	U	0.16	1.0	µg/L	1	03/11/04	17920
Chloroform	0.28	U	0.28	1.0	µg/L	1	03/11/04	17920
Chloromethane	0.31	U	0.31	1.0	µg/L	1	03/11/04	17920
Chloroprene	0.27	U	0.27	1.0	µg/L	1	03/11/04	17920
Dibromochloromethane	0.16	U	0.16	0.50	µg/L	1	03/11/04	17920
Dibromomethane	0.13	U	0.13	1.0	µg/L	1	03/11/04	17920
trans-1,4-Dichloro-2-butene	0.14	U	0.14	10	µg/L	1	03/11/04	17920
Dichlorodifluoromethane	0.52	U	0.52	1.0	µg/L	1	03/11/04	17920

**Data** \* Value exceeds Maximum Contaminant Level I Analyte detected below quantitation limits  
**Qualifier** U Not Detected Above the MDL  
**Code Key:**



ELAB, Inc.

8 East Tower Cr., Ormond Beach, FL 32174-8759

Date: 22-Mar-04

### Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04030137  
**Project:** WP CL-III Landfill  
**Lab ID:** F04030137-001

**Client Sample ID:** Tank-1  
**Collection Date:** 3/3/2004 9:55:00 AM  
**Sample Description:**  
**Matrix:** Waste Water

Analyses	Result	Qual	MDL	Limit	Units	DF	Date Analyzed	Batch ID
<b>8260: VOLATILE ORGANIC COMPOUNDS</b>		<b>SW8260</b>	PrepDate: 3/11/2004		Analyst: JSA			
1,1-Dichloroethane	0.30	U	0.30	1.0	µg/L	1	03/11/04	17920
1,2-Dichloroethane	0.10	U	0.10	1.0	µg/L	1	03/11/04	17920
1,1-Dichloroethene	0.10	U	0.10	1.0	µg/L	1	03/11/04	17920
cis-1,2-Dichloroethene	0.44	I	0.15	1.0	µg/L	1	03/11/04	17920
trans-1,2-Dichloroethene	0.17	U	0.17	1.0	µg/L	1	03/11/04	17920
1,2-Dichloropropane	0.12	U	0.12	1.0	µg/L	1	03/11/04	17920
1,3-Dichloropropane	0.50	U	0.50	1.0	µg/L	1	03/11/04	17920
2,2-Dichloropropane	0.10	U	0.10	1.0	µg/L	1	03/11/04	17920
1,1-Dichloropropene	0.060	U	0.060	1.0	µg/L	1	03/11/04	17920
cis-1,3-Dichloropropene	0.070	U	0.070	0.50	µg/L	1	03/11/04	17920
trans-1,3-Dichloropropene	0.11	U	0.11	0.50	µg/L	1	03/11/04	17920
Ethyl methacrylate	0.48	U	0.48	1.0	µg/L	1	03/11/04	17920
Ethylbenzene	6.3		0.12	1.0	µg/L	1	03/11/04	17920
Hexachlorobutadiene	0.34	U	0.34	0.50	µg/L	1	03/11/04	17920
2-Hexanone	0.26	U	0.26	10	µg/L	1	03/11/04	17920
Iodomethane	0.38	U	0.38	1.0	µg/L	1	03/11/04	17920
Isobutyl Alcohol	2.7	U	2.7	20	µg/L	1	03/11/04	17920
Methacrylonitrile	0.71	U	0.71	10	µg/L	1	03/11/04	17920
Methyl methacrylate	0.15	U	0.15	10	µg/L	1	03/11/04	17920
4-Methyl-2-pentanone	0.21	U	0.21	10	µg/L	1	03/11/04	17920
Methylene chloride	0.26	U	0.26	5.0	µg/L	1	03/11/04	17920
Propionitrile	1.8	U	1.8	10	µg/L	1	03/11/04	17920
Styrene	0.17	U	0.17	1.0	µg/L	1	03/11/04	17920
1,1,1,2-Tetrachloroethane	0.15	U	0.15	1.0	µg/L	1	03/11/04	17920
1,1,2,2-Tetrachloroethane	0.11	U	0.11	0.50	µg/L	1	03/11/04	17920
Tetrachloroethene	0.11	U	0.11	1.0	µg/L	1	03/11/04	17920
Toluene	1.7		0.10	1.0	µg/L	1	03/11/04	17920
1,1,1-Trichloroethane	0.24	U	0.24	1.0	µg/L	1	03/11/04	17920
1,1,2-Trichloroethane	0.13	U	0.13	1.0	µg/L	1	03/11/04	17920
Trichloroethene	0.15	U	0.15	1.0	µg/L	1	03/11/04	17920
Trichlorofluoromethane	0.61	I	0.32	1.0	µg/L	1	03/11/04	17920
1,2,3-Trichloropropane	0.30	U	0.30	0.50	µg/L	1	03/11/04	17920
Vinyl acetate	0.15	U	0.15	2.0	µg/L	1	03/11/04	17920
Vinyl chloride	0.14	U	0.14	1.0	µg/L	1	03/11/04	17920
Xylenes, Total	6.3		0.29	1.0	µg/L	1	03/11/04	17920
Surr: 4-Bromofluorobenzene	93.8		0		%REC	1	03/11/04	17920

**Data** \* Value exceeds Maximum Contaminant Level I Analyte detected below quantitation limits  
**Qualifier** U Not Detected Above the MDL  
**Code Key:**



## Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04030137  
**Project:** WP CL-III Landfill  
**Lab ID:** F04030137-001

**Client Sample ID:** Tank-1  
**Collection Date:** 3/3/2004 9:55:00 AM  
**Sample Description:**  
**Matrix:** Waste Water

Analyses	Result	Qual	MDL	Limit	Units	DF	Date Analyzed	Batch ID
<b>8260: VOLATILE ORGANIC COMPOUNDS</b>		<b>SW8260</b>	PrepDate: 3/11/2004		Analyst: JSA			
Surr: Dibromofluoromethane	97.3		0		%REC	1	03/11/04	17920
Surr: Toluene-d8	89.9		0		%REC	1	03/11/04	17920
Surr: 1,2-Dichloroethane-d4	95.6		0		%REC	1	03/11/04	17920
<b>8270: SEMIVOLATILE ORGANICS</b>		<b>SW8270</b>	PrepDate: 3/8/2004 3:00:00 PM		Analyst: TKA			
Acenaphthene	1.3	I	0.80	5.0	µg/L	1	03/17/04 01:16	17801
Acenaphthylene	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
Acetophenone	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
2-Acetylaminofluorene	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
4-Aminobiphenyl	2.8	U	2.8	5.0	µg/L	1	03/17/04 01:16	17801
Anthracene	0.57	U	0.57	5.0	µg/L	1	03/17/04 01:16	17801
Benzo(a)anthracene	0.64	U	0.64	5.0	µg/L	1	03/17/04 01:16	17801
Benzo(a)pyrene	0.69	U	0.69	1.0	µg/L	1	03/17/04 01:16	17801
Benzo(b)fluoranthene	0.81	U	0.81	2.0	µg/L	1	03/17/04 01:16	17801
Benzo(g,h,i)perylene	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
Benzo(k)fluoranthene	0.66	U	0.66	4.0	µg/L	1	03/17/04 01:16	17801
Benzyl alcohol	0.65	U	0.65	5.0	µg/L	1	03/17/04 01:16	17801
Bis(2-chloroethoxy)methane	1.2	U	1.2	5.0	µg/L	1	03/17/04 01:16	17801
Bis(2-chloroethyl)ether	1.3	U	1.3	4.0	µg/L	1	03/17/04 01:16	17801
Bis(2-chloroisopropyl)ether	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
Bis(2-ethylhexyl)phthalate	0.78	U	0.78	5.0	µg/L	1	03/17/04 01:16	17801
4-Bromophenyl phenyl ether	0.64	U	0.64	5.0	µg/L	1	03/17/04 01:16	17801
Butyl benzyl phthalate	0.78	U	0.78	5.0	µg/L	1	03/17/04 01:16	17801
4-Chloro-3-methylphenol	1.8	U	1.8	20	µg/L	1	03/17/04 01:16	17801
4-Chloroaniline	1.2	U	1.2	5.0	µg/L	1	03/17/04 01:16	17801
2-Chloronaphthalene	0.65	U	0.65	5.0	µg/L	1	03/17/04 01:16	17801
2-Chlorophenol	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
4-Chlorophenyl phenyl ether	1.2	U	1.2	5.0	µg/L	1	03/17/04 01:16	17801
Chrysene	0.58	U	0.58	5.0	µg/L	1	03/17/04 01:16	17801
Diallate	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
Dibenzo(a,h)anthracene	0.85	U	0.85	2.0	µg/L	1	03/17/04 01:16	17801
Dibenzofuran	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
1,2-Dichlorobenzene	0.95	U	0.95	5.0	µg/L	1	03/17/04 01:16	17801
1,3-Dichlorobenzene	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
1,4-Dichlorobenzene	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
3,3'-Dichlorobenzidine	0.58	U	0.58	10	µg/L	1	03/17/04 01:16	17801

**Data Qualifier Code Key:**  
 \* Value exceeds Maximum Contaminant Level  
 U Not Detected Above the MDL  
 I Analyte detected below quantitation limits



## Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04030137  
**Project:** WP CL-III Landfill  
**Lab ID:** F04030137-001

**Client Sample ID:** Tank-1  
**Collection Date:** 3/3/2004 9:55:00 AM  
**Sample Description:**  
**Matrix:** Waste Water

Analyses	Result	Qual	MDL	Limit	Units	DF	Date Analyzed	Batch ID
<b>8270: SEMIVOLATILE ORGANICS</b>								
			<b>SW8270</b>				<b>PrepDate: 3/8/2004 3:00:00 PM</b>	<b>Analyst: TKA</b>
2,4-Dichlorophenol	0.98	U	0.98	2.0	µg/L	1	03/17/04 01:16	17801
2,6-Dichlorophenol	1.2	U	1.2	4.0	µg/L	1	03/17/04 01:16	17801
Diethyl phthalate	1.4	U	1.4	5.0	µg/L	1	03/17/04 01:16	17801
Dimethyl phthalate	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
p-Dimethylaminoazobenzene	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
7,12-Dimethylbenz(a)anthracene	2.0	U	2.0	5.0	µg/L	1	03/17/04 01:16	17801
3,3'-Dimethylbenzidine	2.3	U	2.3	10	µg/L	1	03/17/04 01:16	17801
2,4-Dimethylphenol	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
Di-n-butyl phthalate	0.70	U	0.70	5.0	µg/L	1	03/17/04 01:16	17801
4,6-Dinitro-2-methylphenol	1.1	U	1.1	20	µg/L	1	03/17/04 01:16	17801
1,3-Dinitrobenzene	1.2	U	1.2	8.0	µg/L	1	03/17/04 01:16	17801
2,4-Dinitrophenol	2.0	U	2.0	20	µg/L	1	03/17/04 01:16	17801
2,4-Dinitrotoluene	1.4	U	1.4	2.0	µg/L	1	03/17/04 01:16	17801
2,6-Dinitrotoluene	1.2	U	1.2	2.0	µg/L	1	03/17/04 01:16	17801
Di-n-octyl phthalate	0.69	U	0.69	5.0	µg/L	1	03/17/04 01:16	17801
1,2-Diphenylhydrazine	0.94	U	0.94	5.0	µg/L	1	03/17/04 01:16	17801
Ethyl methanesulfonate	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
Fluoranthene	0.53	U	0.53	5.0	µg/L	1	03/17/04 01:16	17801
Fluorene	1.4	U	1.4	5.0	µg/L	1	03/17/04 01:16	17801
Hexachlorobenzene	0.59	U	0.59	1.0	µg/L	1	03/17/04 01:16	17801
Hexachlorocyclopentadiene	3.6	U	3.6	5.0	µg/L	1	03/17/04 01:16	17801
Hexachloroethane	1.5	U	1.5	5.0	µg/L	1	03/17/04 01:16	17801
Hexachloropropene	1.4	U	1.4	5.0	µg/L	1	03/17/04 01:16	17801
Indeno(1,2,3-cd)pyrene	1.2	U	1.2	2.0	µg/L	1	03/17/04 01:16	17801
Isodrin	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
Isophorone	0.99	U	0.99	5.0	µg/L	1	03/17/04 01:16	17801
Isosafrole	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
Kepone	1.5	U	1.5	5.0	µg/L	1	03/17/04 18:58	17801
Methapyrilene	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
Methyl methanesulfonate	1.5	U	1.5	5.0	µg/L	1	03/17/04 01:16	17801
3-Methylcholanthrene	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
2-Methylnaphthalene	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
2-Methylphenol	1.5	U	1.5	5.0	µg/L	1	03/17/04 01:16	17801
3&4-Methylphenol	2.2	U	2.2	10	µg/L	1	03/17/04 01:16	17801
Naphthalene	2.8	I	0.86	5.0	µg/L	1	03/17/04 01:16	17801
1-Naphthylamine	1.4	U	1.4	5.0	µg/L	1	03/17/04 01:16	17801

**Data** \* Value exceeds Maximum Contaminant Level  
**Qualifier** U Not Detected Above the MDL  
**Code Key:**

I Analyte detected below quantitation limits





ELAB, Inc.

8 East Tower Cr., Ormond Beach, FL 32174-8759

Date: 22-Mar-04

### Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04030137  
**Project:** WP CL-III Landfill  
**Lab ID:** F04030137-001

**Client Sample ID:** Tank-1  
**Collection Date:** 3/3/2004 9:55:00 AM  
**Sample Description:**  
**Matrix:** Waste Water

Analyses	Result	Qual	MDL	Limit	Units	DF	Date Analyzed	Batch ID
<b>8270: SEMIVOLATILE ORGANICS</b>								
			<b>SW8270</b>				<b>PrepDate: 3/8/2004 3:00:00 PM</b>	<b>Analyst: TKA</b>
2-Naphthylamine	1.7	U	1.7	5.0	µg/L	1	03/17/04 01:16	17801
1,4-Napthoquinone	1.4	U	1.4	5.0	µg/L	1	03/17/04 01:16	17801
2-Nitroaniline	1.6	U	1.6	5.0	µg/L	1	03/17/04 01:16	17801
3-Nitroaniline	1.2	U	1.2	5.0	µg/L	1	03/17/04 01:16	17801
4-Nitroaniline	1.5	U	1.5	4.0	µg/L	1	03/17/04 01:16	17801
Nitrobenzene	1.4	U	1.4	4.0	µg/L	1	03/17/04 01:16	17801
5-Nitro-o-toluidine	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
2-Nitrophenol	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
4-Nitrophenol	0.99	U	0.99	20	µg/L	1	03/17/04 01:16	17801
N-Nitrosodiethylamine	1.5	U	1.5	4.0	µg/L	1	03/17/04 01:16	17801
N-Nitrosodimethylamine	0.63	U	0.63	2.0	µg/L	1	03/17/04 01:16	17801
N-Nitroso-di-n-butylamine	1.0	U	1.0	4.0	µg/L	1	03/17/04 01:16	17801
N-Nitroso-di-n-propylamine	1.2	U	1.2	4.0	µg/L	1	03/17/04 01:16	17801
N-Nitrosodiphenylamine	0.67	U	0.67	5.0	µg/L	1	03/17/04 01:16	17801
N-Nitrosomethylethylamine	1.2	U	1.2	5.0	µg/L	1	03/17/04 01:16	17801
N-Nitrosopiperidine	1.2	U	1.2	5.0	µg/L	1	03/17/04 01:16	17801
N-Nitrosopyrrolidine	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
Pentachlorobenzene	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
Phenacetin	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
Phenanthrene	0.73	U	0.73	5.0	µg/L	1	03/17/04 01:16	17801
Phenol	0.55	U	0.55	5.0	µg/L	1	03/17/04 01:16	17801
1,4-Phenylenediamine	1.2	U	1.2	5.0	µg/L	1	03/17/04 01:16	17801
Pronamide	1.1	U	1.1	5.0	µg/L	1	03/17/04 01:16	17801
Pyrene	0.72	U	0.72	5.0	µg/L	1	03/17/04 01:16	17801
Safrole	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
1,2,4,5-Tetrachlorobenzene	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
2,3,4,6/2,3,4,5-Tetrachlorophenol	3.8	U	3.8	10	µg/L	1	03/17/04 01:16	17801
Thionazin	1.0	U	1.0	5.0	µg/L	1	03/17/04 01:16	17801
o-Toluidine	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
1,2,4-Trichlorobenzene	0.85	U	0.85	5.0	µg/L	1	03/17/04 01:16	17801
2,4,5-Trichlorophenol	1.7	U	1.7	4.0	µg/L	1	03/17/04 01:16	17801
2,4,6-Trichlorophenol	0.93	U	0.93	2.0	µg/L	1	03/17/04 01:16	17801
o,o,o-Triethylphosphorothioate	1.3	U	1.3	5.0	µg/L	1	03/17/04 01:16	17801
1,3,5-Trinitrobenzene	1.2	U	1.2	5.0	µg/L	1	03/17/04 01:16	17801
Surr: 2-Fluorobiphenyl	77.2		0		%REC	1	03/17/04 01:16	17801
Surr: 2-Fluorophenol	31.2		0		%REC	1	03/17/04 01:16	17801

**Data** \* Value exceeds Maximum Contaminant Level I Analyte detected below quantitation limits  
**Qualifier** U Not Detected Above the MDL  
**Code Key:**



**ELAB, Inc.**

8 East Tower Cr., Ormond Beach, FL 32174-8759

Date: 22-Mar-04

### Analytical Report

**CLIENT:** Pasco County Environmental Laboratory  
**Lab Order:** F04030137  
**Project:** WP CL-III Landfill  
**Lab ID:** F04030137-001

**Client Sample ID:** Tank-1  
**Collection Date:** 3/3/2004 9:55:00 AM  
**Sample Description:**  
**Matrix:** Waste Water

Analyses	Result	Qual	MDL	Limit	Units	DF	Date Analyzed	Batch ID
<b>8270: SEMIVOLATILE ORGANICS</b>								
		<b>SW8270</b>					PrepDate: 3/8/2004 3:00:00 PM	Analyst: TKA
Surr: Nitrobenzene-d5	73.2		0		%REC	1	03/17/04 01:16	17801
Surr: Phenol-d6	21.2		0		%REC	1	03/17/04 01:16	17801
Surr: p-Terphenyl-d14	117		0		%REC	1	03/17/04 01:16	17801
Surr: 2,4,6-Tribromophenol	63.7		0		%REC	1	03/17/04 01:16	17801

**Data Qualifier Code Key:**  
 \* Value exceeds Maximum Contaminant Level  
 U Not Detected Above the MDL

I Analyte detected below quantitation limits



# PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY  
 8864 GOVERNMENT DRIVE  
 NEW PORT RICHEY, FL 34654  
 PHONE 727-847-8902

DHRS E44123  
 CompQAP # 870167G

## REPORT OF ANALYSES

West Pasco  
 Class III Landfill  
 Hays Road  
 Shady Hills, Fl  
 John Power

Date: 3/17/04

SAMPLE NUMBER	AA30976	SAMPLE ID	TANK 1 @ WP CLASS III	SAMPLE MATRIX	Leac
DATE SAMPLED	3/3/04			TIME SAMPLED	9:55
DATE RECEIVED	3/3/04	SAMPLER	CSC	RECEIVED BY	GK
TIME RECEIVED	16:40	DELIVERED BY	CSC	SAMPLE TYPE	Pumped

ANALYSIS	ANALYSIS						DET. LIMIT
	METHOD	DATE	TIME	BY	RESULT	QUAL. UNIT	
Color by Observation	Observation	3/3/04	9:55	CSC	CLEAR		
Conductivity Field	SM2510B	3/3/04	9:55	CSC	1920	umhos/	
Dissolved Oxygen Field	SM4500OG	3/3/04	9:55	CSC	0.15	mg/L	0.00
pH Field	SM4500HB	3/3/04	9:55	CSC	6.47	std unit	
Temperature Field	SM2550B	3/3/04	9:55	CSC	21.40	deg C	
Iron, Total, Flame	SM3111B	3/5/04	11:50	TER	0.46	mg/L	0.03
Mercury, Total, CVAA	SM3112B	3/15/04	9:50	TER	<0.0005	U mg/L	0.0005
Sodium, Total, Flame	SM3111B	3/5/04	11:15	TER	123	mg/L	0.10
Ammonia	SM4500NH3	3/10/04	9:00	IF	21.7	mg/L	0.08
Nitrate	SM4500NO3	3/11/04	13:00	IF	<0.03	U mg/L	0.03
Total Dissolved Solids	SM2540C	3/4/04	11:00	JK	1500	mg/L	17.3
Bicarbonate Alkalinity	SM2320B	3/5/04	11:30	JK	819	mgCaC	3.51
Chloride	SM4500CLE	3/8/04	8:30	JK	311	mg/L	0.47

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 03/03/04 @ 1045

Test Site ID #: NA

Report Period: 2004 / Quarter I  
(year/quarter)

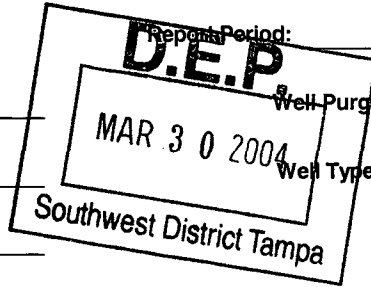
Well Name: Tank #2

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 4500N <sub>3</sub> F		Dry mg/L	0.11 mg/L
000940	Chloride	"	"	SM 4500C1-B		Dry mg/L	0.15 mg/L
000400	pH-Field	"	"	SM 4500H+B		Dry Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G		Dry mg/L	0.01 mg/L
000410	Bicarbonate	"	"	SM 2320B		Dry mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry μmhos/cm	0.00 μmhos/cm
000010	Temperature (Field)	"	"	SM 2550B		Dry °C	0 °C
000610	Ammonia	"	"	SM 4500NH <sub>3</sub> B		Dry mg/L	0.03 mg/L
900216	Color	"	"	SN 2120B		Dry PCU	0.0 PCU
001045	Iron	"	"	SM 3113B		Dry mg/L	0.001 mg/L
000929	Sodium	"	"	SM 3111B		Dry mg/L	0.01 mg/L
071900	Mercury	"	"	SM 3112B		Dry mg/L	0.0002 mg/L
000612	NH <sub>4</sub> -N	"	"	DEP SOP 10/03/83		Dry mg/L	0.02 mg/L

\*Attach Laboratory Reports