



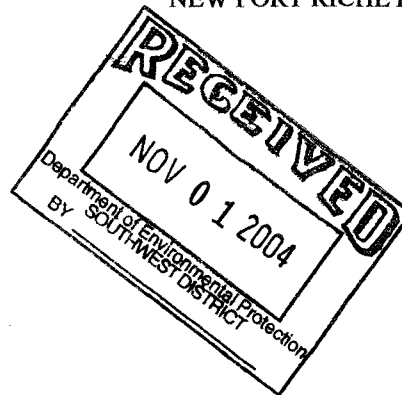
# PASCO COUNTY, FLORIDA

DADE CITY (352) 521-4274  
LAND O' LAKES (813) 996-7341  
NEW PORT RICHEY (727) 847-8145

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

28 October 2004

Ms. Simone Core  
Solid Waste Section  
Florida Department of Environmental  
Protection  
3804 Coconut Palm Drive  
Tampa, Florida 33619



RE: West Pasco Class I and Class III Leachate Sampling

Dear Ms. Core:

As a follow up to our conversation and your correspondence of October 21, I have enclosed results of Appendix I and Appendix II for the West Pasco Class III leachate tank #1 sampled in March, 2004. Tank #2 was dry at that time and consequently was not sampled. Tank #2 is scheduled for sampling of Appendix II analytes next week (Appendix I analytes have been previously submitted) and the results will be submitted to the Department upon receipt from the contract laboratory thus meeting the annual leachate monitoring requirement at this facility.

Regarding the Class I leachate sampling for semester II, the organic portion of Appendix I (specifically the 8260 volatile organic contaminants) were not analyzed by the contract laboratory as a result of holding times being exceeded due to hurricane activity. This facility's leachate will be resampled for the 8260 analytes on Monday, November 1, and results submitted to the Department upon receipt from the contract laboratory. That submittal will complete the second semester leachate monitoring requirements for the Class I landfill.

If you have any further questions or comments please feel free to contact me at (727) 847-8902.

Sincerely,

Candia E. Mulhern  
Laboratory Manager

Enc.

cc: Bruce E. Kennedy, Acting Assistant County Administrator, Utilities Services  
Robert J. Sigmond, Director, Fiscal Services/Special Projects  
John Power, Solid Waste Facility Manager



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UTILITIES SERVICES BRANCH  
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NEW PORT RICHEY, FL 34654

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



## 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>								
Cyanide	0.0040	I	0.0030	0.010	mg/L	1	03/12/04 14:27	17917
<b>SULFIDE</b>								
Sulfide	24		0.32	0.10	mg/L	1	03/05/04	R23816
<b>ANTIMONY BY GFAA</b>								
Antimony	0.00081	I	0.00035	0.0030	mg/L	1	03/09/04	17787
<b>ICP METALS</b>								
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>								
Mercury	0.000041	I	0.000036	0.00020	mg/L	1	03/09/04	17788
<b>THALLIUM BY GFAA</b>								
Thallium	0.00072	I	0.00025	0.0010	mg/L	1	03/09/04	17787
<b>8011: EDB AND DBCP</b>								
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>								
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** \* Value exceeds Maximum Contaminant Level  
**Qualifier** U Not Detected Above the MDL  
**Code Key:**

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:**



## 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>			<b>SW8141</b>	PrepDate: 3/9/2004 7:00:00 PM		Analyst: JZV		
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>			<b>SW8151</b>	PrepDate: 3/9/2004 8:30:00 AM		Analyst: EM		
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>			<b>SW8260</b>	PrepDate: 3/11/2004		Analyst: JSA		
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:



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	I	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	I	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	I	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** \* 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
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 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>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>					
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

PrepDate: 3/8/2004 3:00:00 PM

Analyst: TKA

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

I Analyte detected below quantitation limits

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

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	03/11/04 1300	<0.03 mg/L	0.11 mg/L
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

**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 $\mu$ mhos/cm	0.00 $\mu$ mhos/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



# PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY

DHRS E44123

8864 GOVERNMENT DRIVE

CompQAP # 870167G

NEW PORT RICHEY, FL 34654

PHONE 727-847-8902

## REPORT OF ANALYSES

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

Date: 3/17/04

SAMPLE NUMBER AA30976  
DATE SAMPLED 3/3/04  
DATE RECEIVED 3/3/04  
TIME RECEIVED 16:40

SAMPLE ID TANK 1 @ WP CLASS III  
SAMPLER CSC  
DELIVERED BY CSC

SAMPLE MATRIX Leac  
TIME SAMPLED 9:55  
RECEIVED BY GK  
SAMPLE TYPE  
Pumped

ANALYSIS	ANALYSIS					RESULT	QUAL.	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
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