



LEE COUNTY
SOUTHWEST FLORIDA

BOARD OF COUNTY COMMISSIONERS

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Mr. Phil Barbaccia
FDEP
P.O. Box 2549
Fort Myers, FL 33902-2549

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APR 11 2005

D.E.P. - SOUTH DISTRICT

Re: Lee County Resource Recovery Facility, PA 90-30 SA1
First Quarter, 2005 - Ground Water Monitoring Results

Dear Mr. Barbaccia:

Enclosed please find the laboratory results for the ground water samples collected at the Lee County Resource Recovery Facility on January 13, 2005. Ground water monitoring wells MW-1D, MW-1-S, MW-2D, MW-2S, MW-4D, and MW-4S were sampled and analyzed for the primary and secondary water quality parameters and general indicators in accordance with the ground water monitoring plan submitted to FDEP in August 1992 and modified on April 3, 1996.

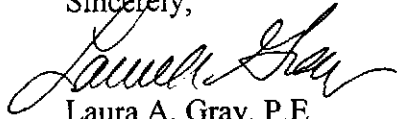
Ground water from MW-1S, MW-2S, and MW-4S exceeded the secondary drinking water standard for Iron established in Rule 62-550, F.A.C. Ground water from MW-4S exceeded the secondary drinking water standard for total dissolved solids established in Rule 62-550, F.A.C. The measured levels of iron and TDS are consistent with the levels found historically in the shallow aquifer.

Toluene was detected in low levels between the laboratory method detection limit (MDL) and the practical quantification limit (PQL) in wells MW-1S (0.39 ug/l), MW-2S (0.32 ug/l), and MW-4S (0.3 ug/l), well below the Florida Primary Drinking Water Standard (1000 ug/l). It was undetermined if this detection was a result of a laboratory or equipment contaminant, therefore, we are scheduled to resample these wells to confirm the presence or absence of toluene. If the presence of toluene is confirmed, we will then sample the deep wells in accordance with our FDEP approved ground water monitoring plan. Results of analyses from the sampling events will be forwarded to your office upon receipt of the completed laboratory report.

Mr. Phil Barbaccia
April 7, 2005
Page 2 of 2

Please call me with any questions you may or to discuss the information provided in this transmittal.

Sincerely,



Laura A. Gray, P.E.
Engineering Manager
Solid Waste Division

Attachment

Cc: Lindsey J. Sampson, P.E.
Jody Howard, Coventa
File II E107

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Laboratory Results

Lee County Environmental Laboratory

60-2 Danley Drive
Fort Myers, FL 33907
239-278-7070

*recd 3/24/05
by SW*



To: Laura Gray
Lee County Solid Waste

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APR 11 2005

Report Date: 3/7/2005

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Below are the results of samples submitted to this laboratory on: 1/8/2005

Laboratory ID	AB68131	Collection date and time	1/13/2005 10:13 AM
Location Code	WTE-1D	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 1-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ASUGL	Arsenic, AA furnace technique	1.0		µg/L	1.0	1/20/2005	9:00 AM	SM19 3113 B
CL	Chloride titrimetric Argentometric	106		mg/L	1.2	1/17/2005	11:00 AM	SM19 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	834		µmhos/cm	1	1/13/2005	10:13 AM	EPA 120.1
CRUGL	Chromium, AA furnace technique	1.0	U	µg/L	1.0	1/26/2005	11:28 AM	SM19 3113 B
ELEV	Elevation, Water Table	7.86		Feet NGVD		1/13/2005	10:13 AM	FDEP-SOP-001/01
FE	Iron by flame AA	0.05	U	mg/L	0.05	1/14/2005	9:54 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	1/19/2005	2:58 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	1/14/2005	12:31 PM	SM19 3111 B
NA	Sodium, AA direct aspiration	59		mg/L	0.3	1/14/2005	12:55 PM	SM19 3111 B
NH3	Ammonia, Automated Phenate	0.358		mg/L as N	0.013	1/21/2005	8:47 AM	EPA 350.1
PBUGL	Lead, AA furnace technique	1.0	U	µg/L	1.0	1/14/2005	1:53 PM	SM19 3113 B
PHF	pH, Field (electrometric)	7.10		units		1/13/2005	10:13 AM	EPA 150.1
SAMPLE	Sample Collection	Completed				1/13/2005	10:13 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.0	U	µg/L	2.0	2/10/2005	1:20 PM	SM19 3113 B
SO4_IC	Sulfate	41.5		mg/L	0.2	4/14/2005	8:33 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	552		mg/L	5.0	1/19/2005	1:00 PM	SM19 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.916		mg/L as N	0.1	1/18/2005	7:45 AM	EPA 351.2
TOC	Total Organic Carbon	7.9	STL	mg/L	0.53	1/20/2005	9:10 AM	EPA 415.1
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	1/14/2005	9:06 AM	SM19 3111 B

Laboratory ID	AB68132	Collection date and time	1/13/2005 9:54 AM
Location Code	WTE-1S	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 1-S		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
\$EPA504	1,2-Dibromo-3-chloropropane	0.0030	U, STL	µg/L	0.0030	1/17/2005	9:21 AM	EPA 504
\$EPA504	1,2-Dibromoethane	0.0087	U, STL	µg/L	0.0087	1/17/2005	9:21 AM	EPA 504
\$RVOC	1,1,1-Trichloroethane	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,1,2-Trichloroethane	0.082	U, STL	µg/L	0.082	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,1-Dichloroethene	0.11	U, STL	µg/L	0.11	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2,4-Trichlorobenzene	0.25	U, STL	µg/L	0.25	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichlorobenzene	0.28	U, STL	µg/L	0.28	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichloroethane	0.10	U, STL	µg/L	0.10	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichloropropane	0.064	U, STL	µg/L	0.064	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,4-Dichlorobenzene	0.26	U, STL	µg/L	0.26	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Benzene	0.063	U, STL	µg/L	0.063	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Carbon tetrachloride	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Chlorobenzene	0.11	U, STL	µg/L	0.11	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	cis-1,2-Dichloroethene	0.081	U, STL	µg/L	0.081	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Ethylbenzene	0.082	U, STL	µg/L	0.082	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Methyl t-butyl ether (MTBE)	0.065	U, STL	µg/L	0.065	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Methylene Chloride (Dichloromethane)	0.34	U, STL	µg/L	0.34	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Styrene	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Tetrachloroethene	0.15	U, STL	µg/L	0.15	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Toluene	0.39	I, STL	µg/L	0.095	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Total Xylenes	0.20	U, STL	µg/L	0.20	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	trans-1,2-Dichloroethene	0.070	U, STL	µg/L	0.070	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Trichloroethene	0.085	U, STL	µg/L	0.085	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Vinyl Chloride	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
ASUGL	Arsenic, AA furnace technique	1.2	I	µg/L	1.0	1/20/2005	9:00 AM	SM19 3113 B
CL	Chloride titrimetric Argentometric	42.0		mg/L	1.2	1/17/2005	11:00 AM	SM19 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	746		µmhos/cm	1	1/13/2005	9:54 AM	EPA 120.1
CRUGL	Chromium, AA furnace technique	1.0	U	µg/L	1.0	1/26/2005	11:28 AM	SM19 3113 B
ELEV	Elevation, Water Table	17.61		Feet NGVD		1/13/2005	9:54 AM	FDEP-SOP-001/01
FE	Iron by flame AA	4.7		mg/L	0.05	1/14/2005	9:54 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	1/19/2005	2:58 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	1/14/2005	12:31 PM	SM19 3111 B
NA	Sodium, AA direct aspiration	22		mg/L	0.3	1/14/2005	12:55 PM	SM19 3111 B

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Laboratory ID	AB68132	Collection date and time	1/13/2005 9:54 AM
Location Code	WTE-1S	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 1-S		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
NH3	Ammonia, Automated Phenate	0.274		mg/L as N	0.013	1/21/2005	8:47 AM	EPA 350.1
PBUGL	Lead, AA furnace technique	1.0	U	µg/L	1.0	1/14/2005	1:53 PM	SM19 3113 B
PHF	pH, Field (electrometric)	6.65		units		1/13/2005	9:54 AM	EPA 150.1
SAMPLE	Sample Collection	Completed				1/13/2005	9:54 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.0	U	µg/L	2.0	2/10/2005	1:20 PM	SM19 3113 B
SO4_IC	Sulfate	26.9		mg/L	0.2	4/14/2005	8:33 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	454		mg/L	5.0	1/19/2005	1:00 PM	SM19 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.961		mg/L as N	0.1	1/18/2005	7:45 AM	EPA 351.2
TOC	Total Organic Carbon	16	STL	mg/L	0.53	1/20/2005	9:10 AM	EPA 415.1
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	1/14/2005	9:06 AM	SM19 3111 B

Laboratory ID	AB68133	Collection date and time	1/13/2005 11:46 AM
Location Code	WTE-2D	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 2-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ASUGL	Arsenic, AA furnace technique	1.0	U	µg/L	1.0	1/20/2005	9:00 AM	SM19 3113 B
CL	Chloride titrimetric Argentometric	118		mg/L	1.2	1/17/2005	11:00 AM	SM19 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	877		µmhos/cm	1	1/13/2005	11:46 AM	EPA 120.1
CRUGL	Chromium, AA furnace technique	1.0	U	µg/L	1.0	1/26/2005	11:28 AM	SM19 3113 B
ELEV	Elevation, Water Table	15.24		Feet NGVD		1/13/2005	11:46 AM	FDEP-SOP-001/01
FE	Iron by flame AA	0.05	U	mg/L	0.05	1/14/2005	9:54 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	1/19/2005	2:58 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	1/14/2005	12:31 PM	SM19 3111 B
NA	Sodium, AA direct aspiration	58		mg/L	0.3	1/14/2005	12:55 PM	SM19 3111 B
NH3	Ammonia, Automated Phenate	0.303		mg/L as N	0.013	1/21/2005	8:47 AM	EPA 350.1
PBUGL	Lead, AA furnace technique	1.0	U	µg/L	1.0	1/14/2005	1:53 PM	SM19 3113 B
PHF	pH, Field (electrometric)	7.09		units		1/13/2005	11:46 AM	EPA 150.1
SAMPLE	Sample Collection	Completed				1/13/2005	11:46 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.0	U	µg/L	2.0	2/10/2005	1:20 PM	SM19 3113 B
SO4_IC	Sulfate	47.3		mg/L	0.2	4/14/2005	8:33 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	544		mg/L	5.0	1/19/2005	1:00 PM	SM19 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.956		mg/L as N	0.1	1/18/2005	7:45 AM	EPA 351.2

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Laboratory ID	AB68133	Collection date and time	1/13/2005 11:46 AM
Location Code	WTE-2D	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 2-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
TOC	Total Organic Carbon	7.5	STL	mg/L	0.53	1/20/2005	9:10 AM	EPA 415.1
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	1/14/2005	9:06 AM	SM19 3111 B

Laboratory ID	AB68134	Collection date and time	1/13/2005 11:46 AM
Location Code	WTE-2D	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 2-D DUP		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ASUGL	Arsenic, AA furnace technique	1.0	U	µg/L	1.0	1/20/2005	9:00 AM	SM19 3113 B
CL	Chloride titrimetric Argentometric	118		mg/L	1.2	1/17/2005	11:00 AM	SM19 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	877		µmhos/cm	1	1/13/2005	11:46 AM	EPA 120.1
CRUGL	Chromium, AA furnace technique	1.0	U	µg/L	1.0	1/26/2005	11:28 AM	SM19 3113 B
ELEV	Elevation, Water Table	15.24		Feet NGVD		1/13/2005	11:46 AM	FDEP-SOP-001/01
FE	Iron by flame AA	0.05	U	mg/L	0.05	1/14/2005	9:54 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	1/19/2005	2:58 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	1/14/2005	12:31 PM	SM19 3111 B
NA	Sodium, AA direct aspiration	58		mg/L	0.3	1/14/2005	12:55 PM	SM19 3111 B
NH3	Ammonia, Automated Phenate	0.303		mg/L as N	0.013	1/21/2005	8:47 AM	EPA 350.1
PBUGL	Lead, AA furnace technique	1.0	U	µg/L	1.0	1/14/2005	1:53 PM	SM19 3113 B
PHF	pH, Field (electrometric)	7.09		units		1/13/2005	11:46 AM	EPA 150.1
SAMPLE	Sample Collection	Completed				1/13/2005	11:46 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.0	U	µg/L	2.0	2/10/2005	1:20 PM	SM19 3113 B
SO4_IC	Sulfate	46.2		mg/L	0.2	4/14/2005	8:33 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	546		mg/L	5.0	1/19/2005	1:00 PM	SM19 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.876		mg/L as N	0.1	1/18/2005	7:45 AM	EPA 351.2
TOC	Total Organic Carbon	7.7	STL	mg/L	0.53	1/20/2005	9:10 AM	EPA 415.1
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	1/14/2005	9:06 AM	SM19 3111 B

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D.E.P. - SOUTH DISTRICT

Laboratory ID AB68135
 Location Code WTE-2S
 Sample Description Waste to Energy M.W. # 2-S

Collection date and time 1/13/2005 11:36 AM
 Sample Collector MAGGIE NEWTON

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
\$EPA504	1,2-Dibromo-3-chloropropane	0.0030	U, STL	µg/L	0.0030	1/17/2005	9:21 AM	EPA 504
\$EPA504	1,2-Dibromoethane	0.0087	U, STL	µg/L	0.0087	1/17/2005	9:21 AM	EPA 504
\$RVOC	1,1,1-Trichloroethane	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,1,2-Trichloroethane	0.082	U, STL	µg/L	0.082	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,1-Dichloroethene	0.11	U, STL	µg/L	0.11	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2,4-Trichlorobenzene	0.25	U, STL	µg/L	0.25	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichlorobenzene	0.28	U, STL	µg/L	0.28	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichloroethane	0.10	U, STL	µg/L	0.10	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichloropropane	0.064	U, STL	µg/L	0.064	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,4-Dichlorobenzene	0.26	U, STL	µg/L	0.26	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Benzene	0.063	U, STL	µg/L	0.063	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Carbon tetrachloride	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Chlorobenzene	0.11	U, STL	µg/L	0.11	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	cis-1,2-Dichloroethene	0.081	U, STL	µg/L	0.081	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Ethylbenzene	0.082	U, STL	µg/L	0.082	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Methyl t-butyl ether (MTBE)	0.065	U, STL	µg/L	0.065	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Methylene Chloride (Dichloromethane)	0.34	U, STL	µg/L	0.34	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Styrene	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Tetrachloroethene	0.15	U, STL	µg/L	0.15	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Toluene	0.32	I, STL	µg/L	0.095	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Total Xylenes	0.20	U, STL	µg/L	0.20	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	trans-1,2-Dichloroethene	0.070	U, STL	µg/L	0.070	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Trichloroethene	0.085	U, STL	µg/L	0.085	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Vinyl Chloride	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
ASUGL	Arsenic, AA furnace technique	1.0	U	µg/L	1.0	1/20/2005	9:00 AM	SM19 3113 B
CL	Chloride titrimetric Argentometric	46.5		mg/L	1.2	1/17/2005	11:00 AM	SM19 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	761		µmhos/cm	1	1/13/2005	11:36 AM	EPA 120.1
CRUGL	Chromium, AA furnace technique	1.0	U	µg/L	1.0	1/26/2005	11:28 AM	SM19 3113 B
ELEV	Elevation, Water Table	16.88		Feet NGVD		1/13/2005	11:36 AM	FDEP-SOP-001/01
FE	Iron by flame AA	2.8		mg/L	0.05	1/14/2005	9:54 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	1/19/2005	2:58 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	1/14/2005	12:31 PM	SM19 3111 B
NA	Sodium, AA direct aspiration	23		mg/L	0.3	1/14/2005	12:55 PM	SM19 3111 B

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Page 5 of 9

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D.E.P. - SOUTH DISTRICT

Laboratory ID	AB68135	Collection date and time	1/13/2005 11:36 AM
Location Code	WTE-2S	Sample Collector	MAGGIE NEWTON
Sample Description	Waste to Energy M.W. # 2-S		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
NH3	Ammonia, Automated Phenate	0.264		mg/L as N	0.013	1/21/2005	8:47 AM	EPA 350.1
PBUGL	Lead, AA furnace technique	1.0	U	µg/L	1.0	1/14/2005	1:53 PM	SM19 3113 B
PHF	pH, Field (electrometric)	6.67		units		1/13/2005	11:36 AM	EPA 150.1
SAMPLE	Sample Collection	Completed				1/13/2005	11:36 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.0	U	µg/L	2.0	1/27/2005	1:16 PM	SM19 3113 B
SO4_IC	Sulfate	19.7		mg/L	0.2	4/14/2005	8:33 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	490		mg/L	5.0	1/19/2005	1:00 PM	SM19 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.905		mg/L as N	0.1	1/18/2005	7:45 AM	EPA 351.2
TOC	Total Organic Carbon	17	STL	mg/L	0.53	1/20/2005	9:10 AM	EPA 415.1
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	1/14/2005	9:06 AM	SM19 3111 B

Laboratory ID	AB68136	Collection date and time	1/13/2005 2:40 PM
Location Code	WTE-4D	Sample Collector	MAGGIE NEWTON
Sample Description	Waste to Energy M.W. # 4-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ASUGL	Arsenic, AA furnace technique	1.0	U	µg/L	1.0	1/20/2005	9:00 AM	SM19 3113 B
CL	Chloride titrimetric Argentometric	189		mg/L	1.2	1/17/2005	11:00 AM	SM19 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	1034		µmhos/cm	1	1/13/2005	2:40 PM	EPA 120.1
CRUGL	Chromium, AA furnace technique	1.0	U	µg/L	1.0	1/26/2005	11:28 AM	SM19 3113 B
ELEV	Elevation, Water Table	14.80		Feet NGVD		1/13/2005	2:40 PM	FDEP-SOP-001/01
FE	Iron by flame AA	0.05	U	mg/L	0.05	1/14/2005	9:54 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	1/19/2005	2:58 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	1/14/2005	12:31 PM	SM19 3111 B
NA	Sodium, AA direct aspiration	83		mg/L	0.3	1/14/2005	12:55 PM	SM19 3111 B
NH3	Ammonia, Automated Phenate	0.343		mg/L as N	0.013	1/21/2005	8:47 AM	EPA 350.1
PBUGL	Lead, AA furnace technique	1.0	U	µg/L	1.0	1/14/2005	1:53 PM	SM19 3113 B
PHF	pH, Field (electrometric)	7.16		units		1/13/2005	2:40 PM	EPA 150.1
SAMPLE	Sample Collection	Completed				1/13/2005	2:40 PM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.0	U	µg/L	2.0	2/10/2005	1:20 PM	SM19 3113 B
SO4_IC	Sulfate	47.8		mg/L	0.2	4/14/2005	8:33 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	636		mg/L	5.0	1/19/2005	1:00 PM	SM19 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.458	I	mg/L as N	0.1	1/18/2005	7:45 AM	EPA 351.2

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Laboratory ID	AB68136	Collection date and time	1/13/2005 2:40 PM
Location Code	WTE-4D	Sample Collector	MAGGIE NEWTON
Sample Description	Waste to Energy M.W. # 4-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
TOC	Total Organic Carbon	6.2	STL	mg/L	0.53	1/20/2005	9:10 AM	EPA 415.1
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	1/14/2005	9:06 AM	SM19 3111 B

Laboratory ID	AB68137	Collection date and time	1/13/2005 1:43 PM
Location Code	WTE-4S	Sample Collector	MAGGIE NEWTON
Sample Description	Waste to Energy M.W. # 4-S		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
\$EPA504	1,2-Dibromo-3-chloropropane	0.0030	U, STL	µg/L	0.0030	1/17/2005	9:21 AM	EPA 504
\$EPA504	1,2-Dibromoethane	0.0087	U, STL	µg/L	0.0087	1/17/2005	9:21 AM	EPA 504
\$RVOC	1,1,1-Trichloroethane	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,1,2-Trichloroethane	0.082	U, STL	µg/L	0.082	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,1-Dichloroethene	0.11	U, STL	µg/L	0.11	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2,4-Trichlorobenzene	0.25	U, STL	µg/L	0.25	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichlorobenzene	0.28	U, STL	µg/L	0.28	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichloroethane	0.10	U, STL	µg/L	0.10	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,2-Dichloropropane	0.064	U, STL	µg/L	0.064	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	1,4-Dichlorobenzene	0.26	U, STL	µg/L	0.26	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Benzene	0.063	U, STL	µg/L	0.063	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Carbon tetrachloride	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Chlorobenzene	0.11	U, STL	µg/L	0.11	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	cis-1,2-Dichloroethene	0.081	U, STL	µg/L	0.081	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Ethylbenzene	0.082	U, STL	µg/L	0.082	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Methyl t-butyl ether (MTBE)	0.065	U, STL	µg/L	0.065	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Methylene Chloride (Dichloromethane)	0.34	U, STL	µg/L	0.34	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Styrene	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Tetrachloroethene	0.15	U, STL	µg/L	0.15	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Toluene	0.30	I, STL	µg/L	0.095	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Total Xylenes	0.20	U, STL	µg/L	0.20	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	trans-1,2-Dichloroethene	0.070	U, STL	µg/L	0.070	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Trichloroethene	0.085	U, STL	µg/L	0.085	1/21/2005	9:13 AM	EPA 524.2
\$RVOC	Vinyl Chloride	0.12	U, STL	µg/L	0.12	1/21/2005	9:13 AM	EPA 524.2
ASUGL	Arsenic, AA furnace technique	1.0	U	µg/L	0.0	1/20/2005	9:00 AM	SM19 3113 B

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Laboratory ID	AB68137	Collection date and time	1/13/2005 1:43 PM
Location Code	WTE-4S	Sample Collector	MAGGIE NEWTON
Sample Description	Waste to Energy M.W. # 4-S		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
CL	Chloride titrimetric Argentometric	19.0		mg/L	1.2	1/17/2005	11:00 AM	SM19 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	788		umhos/cm	1	1/13/2005	1:43 PM	EPA 120.1
CRUGL	Chromium, AA furnace technique	1.0	U	ug/L	1.0	1/26/2005	11:28 AM	SM19 3113 B
ELEV	Elevation, Water Table	16.66		Feet NGVD		1/13/2005	1:43 PM	FDEP-SOP-001/01
FE	Iron by flame AA	1.7		mg/L	0.05	1/14/2005	9:54 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	ug/L	0.2	1/19/2005	2:58 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	1/14/2005	12:31 PM	SM19 3111 B
NA	Sodium, AA direct aspiration	25		mg/L	0.3	1/14/2005	12:55 PM	SM19 3111 B
NH3	Ammonia, Automated Phenate	0.282		mg/L as N	0.013	1/21/2005	8:47 AM	EPA 350.1
PBUGL	Lead, AA furnace technique	1.0	U	ug/L	1.0	1/14/2005	1:53 PM	SM19 3113 B
PHF	pH, Field (electrometric)	6.83		units		1/13/2005	1:43 PM	EPA 150.1
SAMPLE	Sample Collection	Completed				1/13/2005	1:43 PM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.0	U	ug/L	2.0	1/27/2005	1:16 PM	SM19 3113 B
SO4_IC	Sulfate	138		mg/L	0.2	4/14/2005	8:33 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	564		mg/L	5.0	1/19/2005	1:00 PM	SM19 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.556	I	mg/L as N	0.1	1/18/2005	7:45 AM	EPA 351.2
TOC	Total Organic Carbon	9.0	STL	mg/L	0.53	1/20/2005	9:10 AM	EPA 415.1
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	1/14/2005	9:06 AM	SM19 3111 B

Laboratory ID	AB68138	Collection date and time	1/13/2005 10:55 AM
Location Code	WTE-EQB	Sample Collector	MAGGIE NEWTON
Sample Description	Waste / Energy Equipment Blank		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ASUGL	Arsenic, AA furnace technique	1.0	U	ug/L	1.0	1/20/2005	9:00 AM	SM19 3113 B
CL	Chloride titrimetric Argentometric	1.2	U	mg/L	1.2	1/17/2005	11:00 AM	SM19 4500-CI-B
CRUGL	Chromium, AA furnace technique	1.0	U	ug/L	1.0	1/26/2005	11:28 AM	SM19 3113 B
FE	Iron by flame AA	0.05	U	mg/L	0.05	1/14/2005	9:54 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	ug/L	0.2	1/19/2005	2:58 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	1/14/2005	12:31 PM	SM19 3111 B
NA	Sodium, AA direct aspiration	0.3	U	mg/L	0.3	1/14/2005	12:55 PM	SM19 3111 B
NH3	Ammonia, Automated Phenate	0.013	U	mg/L as N	0.013	1/21/2005	8:47 AM	EPA 350.1
PBUGL	Lead, AA furnace technique	1.0	U	ug/L	1.0	1/14/2005	1:53 PM	SM19 3113 B

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Laboratory ID	AB68138	Collection date and time	1/13/2005 10:55 AM
Location Code	WTE-EQB	Sample Collector	MAGGIE NEWTON
Sample Description	Waste / Energy Equipment Blank		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
SAMPLE	Sample Collection	Completed				1/13/2005	10:55 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.0	U	µg/L	2.0	1/27/2005	1:16 PM	SM19 3113 B
SO4_IC	Sulfate	0.2	U	mg/L	0.2	4/14/2005	8:33 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	5	U	mg/L	5.0	1/19/2005	1:00 PM	SM19 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.1	U	mg/L as N	0.1	1/18/2005	7:45 AM	EPA 351.2
TOC	Total Organic Carbon	0.53	U, STL	mg/L	0.53	1/20/2005	9:10 AM	EPA 415.1
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	1/14/2005	9:06 AM	SM19 3111 B

Unless noted otherwise, these test results meet all the requirements of the 2001 NELAC Standards.
 All questions regarding this report should be directed to Keith A. Kibbey, Laboratory Manager.



 Keith A. Kibbey
 Laboratory Manager

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Lee County Environmental Laboratory's Data Qualifiers

- ! Data deviate from historically established concentration ranges.
- * Not reported due to interference.
- ? Data rejected and should not be used. Some or all the quality control data for the analyte were outside criteria, and presence or absence cannot be determined.
- A Value reported is the arithmetic mean of two or more determinations.
- B Results based upon colony counts outside the acceptable range.
- BC Analysis performed by client not a NELAC certified laboratory.
- D Measurement made in the Field.
- DOHJ Analysis performed by Florida Department of Health, Jacksonville, Lab Accession # IRC 180-2002
- E Extra samples were taken at composite stations.
- EHL Analysis performed by Environmental Health Laboratories DOH # E87775
- ELAB Analysis performed by ELAB, Inc. of Ormond Beach, FL, DOH # E83079
- EMSL Analysis performed by EMSL Analytical, Inc., Miami Beach, FL - DOH # E86795
- H Value based on field kit determination; result may not be accurate.
- J The value is between the laboratory method detection limit and the laboratory practical quantification limit.
- J Estimated value; value may not be accurate.
- J1 Surrogate recovery limits have been exceeded.
- J2 No known quality control criteria exist for the component.
- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy.
- J4 The sample matrix interfered with the ability to make any accurate determination.
- J5 The data are questionable because of improper laboratory or field protocols.
- J6 The field calibration verification did not meet calibration acceptance criteria.
- J98 Correlation coefficient of calibration curve < 0.995 .
- J99 Seeded BOD samples did not exhibit dissolved oxygen drop of at least 2 mg/L.
- K Off scale low. Actual value is known to be less than value given.
- K1 The value is less than the lowest calibration standard and the calibration curve is known to be non-linear.
- K2 The value is known to be less than the reported value based on sample size, dilution or some other variable.
- KNL Analysis performed by KNL Laboratory Services DOH # E84025
- L Off scale high. Actual value is known to be greater than value given.
- M Presence of material verified, but not quantified; actual value is less than the value given.
- N Presumptive evidence of presence of material.
- O Sampled, but analysis not performed.
- P Although 2 dissimilar GC columns confirmed the presence of the target analyte, relative % difference is $>40\%$.
- Q Sample held beyond the accepted holding time.
- R Significant rain in the last 48 hours.
- STL Analysis performed by Severn Trent Laboratories, Tampa DOH # E84282
- STLNC Analysis performed by Severn Trent Laboratories, North Canton, OH
- STLP Analysis performed by Severn Trent Laboratories, Pensacola, FL, DOH # E81010
- STLR Analysis performed by Severn Trent Laboratories, Richland, WA, DOH # E87177
- STLS Analysis performed by Severn Trent Laboratories, Sacramento, CA - DOH # E87570
- T Value reported is less than the laboratory method detection limit.
- U Indicates that the compound was analyzed for but not detected.
- V Indicates that the analyte was detected in both the sample and the associated method blank.
- V1 Indicates that the analyte was detected in both the sample and associated field blank at a level of $<5X$ the blank value.
- Y The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
- Z Too many colonies were present (TNTC); the numeric value represents the filtration volume.

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