

BOARD OF COUNTY COMMISSIONERS

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Mr. Philip Barbaccia
Florida Department of Environmental Protection, South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

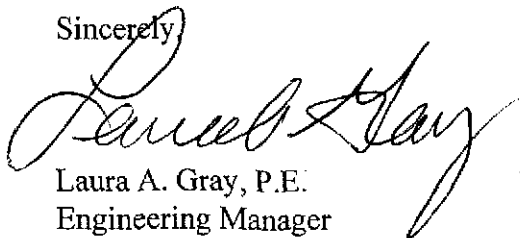
**Re: Lee County Resource Recovery Facility, PA 90-30
Fourth Quarter 2005 Ground Water Monitoring Results**

Dear Mr. Barbaccia:

Enclosed please find the laboratory results for the ground water samples collected from wells MW-1S, MW-1D, MW-3S, MW-3D, MW-5S, MW-5D, MW-6S and MW-6D on October 13, 2005. The ground water was analyzed in accordance with the approved ground water monitoring plan. Ground water from all shallow wells sampled and from MW-3D exceeded the Florida Secondary Drinking Water Standard (FSDWS) for Iron established in Rule 62-550, F.A.C. Ground water from wells MW-5D, MW-5S, MW-6D, and MW-6S exceeded the FSDWS for total dissolved solids (TDS). The levels of iron and TDS are consistent with the levels found historically in these aquifers.

Please call me if you have any questions or comments regarding this report.

Sincerely,



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

Enclosure

Cc: Mr. Lindsey Sampson, P.E., LCSW
Mr. Jody Howard, Covanta
File II E107

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D.E.P. - South District

Laboratory Results

Lee County Environmental Laboratory

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



To: Laura Gray
Lee County Solid Waste

Report Date: 11/7/2005

Below are the results of samples submitted to this laboratory on: 10/13/2005

Laboratory ID	AB80907	Collection date and time	10/13/2005 10:23 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	U	µg/L	1.0	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	112		mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-CI-B
CONDF	Specific Conductance, 25°C, Field	922		µmhos/cm	1	10/13/2005	10:23 AM	EPA 120.1
ELEV	Elevation, Water Table	14.06		Feet NGVD		10/13/2005	10:23 AM	FDEP-SOP-001/01
FE	Iron by flame AA	0.04	U	mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	0.379		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	6.91		units		10/13/2005	10:23 AM	EPA 150.1
SAMPLEG	Sample Collection Ground Water	Completed				10/13/2005	10:23 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	2.8	I	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	43		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	406		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.67		mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	6.4	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

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Laboratory ID	AB80908	Collection date and time	10/13/2005 9:45 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
ASUGL	Arsenic, AA furnace technique	5.5		µg/L	1.0	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	39		mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	792		µmhos/cm	1	10/13/2005	9:45 AM	EPA 120.1
ELEV	Elevation, Water Table	20.51		Feet NGVD		10/13/2005	9:45 AM	FDEP-SOP-001/01
FE	Iron by flame AA	4.3		mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	0.288		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	6.64		units		10/13/2005	9:45 AM	EPA 150.1
SAMPLEG	Sample Collection Ground Water	Completed				10/13/2005	9:45 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	22		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	486		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	1.09		mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	12	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Laboratory ID	AB80909	Collection date and time	10/13/2005 9:45 AM
Location Code	WTE-1S	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 1-S Dup		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ASUGL	Arsenic, AA furnace technique	5.1		µg/L	1.0	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	39		mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	792		µmhos/cm	1	10/13/2005	9:45 AM	EPA 120.1
ELEV	Elevation, Water Table	20.51		Feet NGVD		10/13/2005	9:45 AM	FDEP-SOP-001/01
FE	Iron by flame AA	4.3		mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	0.284		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	6.64		units		10/13/2005	9:45 AM	EPA 150.1
RPD_ASU	RPD/Field Dup/ASUGL	8		%RPD		10/14/2005	1:32 PM	SM20 3113 B
RPD_CHL	RPD/Field Dup/Chloride	0.0		%RPD		10/26/2005	10:23 AM	SM20 4500-CI-B
RPD_CON	RPD/Field Dup/Conductance	0		%RPD		10/13/2005	9:45 AM	EPA 120.1
RPD_DOFI	RPD/Field Dup/D.O.	0		%RPD		10/13/2005	9:45 AM	EPA 360.1
RPD_FE	RPD/Field Dup/FE	0		%RPD		10/17/2005	7:25 AM	SM3111B

Laboratory ID	AB80909	Collection date and time	10/13/2005 9:45 AM
Location Code	WTE-1S	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 1-S Dup		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
RPD_HG	RPD/Field Dup/HG	0.0		%RPD		11/2/2005	3:16 PM	EPA 245.1
RPD_NH3	RPD/Field Dup/NH3	1.4		%RPD		10/17/2005	7:37 AM	EPA 350.1
RPD_PHF	RPD/Field Dup/pH	0		%RPD		10/13/2005	9:45 AM	EPA 150.1
RPD_SEU	RPD/Field Dup/SEUGL	0.0		%RPD		11/7/2005	9:59 AM	SM20 3113 B
RPD_SO4	RPD/Field Dup/SO4_IC	0		%RPD		10/17/2005	7:50 AM	EPA 300.0
RPD_TDS	RPD/Field Dup/TDS	2.92		%RPD		10/18/2005	2:19 PM	SM20 2540 C
RPD_TEM	RPD/Field Dup/Temperature	0		%RPD		10/13/2005	9:45 AM	EPA 170.1
RPD_TKN	RPD/Field Dup/TKN	14.3		%RPD		11/2/2005	9:00 AM	EPA 351.2
RPD_TOC	RPD/Field Dup/TOC	0.0		%RPD		10/17/2005	12:00 AM	EPA 415.1
RPD_TUR	RPD/Field Dup/Turbidity	0		%RPD		10/13/2005	9:45 AM	EPA 180.1
RPD_ZN	RPD/Field Dup/ZN	0		%RPD		10/17/2005	7:54 AM	SM20 3111 B
SAMPLEG	Sample Collection Ground Water	Completed				10/13/2005	9:45 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	22		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	472		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.95		mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	12	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Laboratory ID	AB80910	Collection date and time	10/14/2005 12:20 PM
Location Code	WTE-3D	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 3-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
Well purged 179.7 gallons on previous day. Turbidity would not stabilize.								
ASUGL	Arsenic, AA furnace technique	10.5		µg/L	1.0	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	95.5		mg/L	1.2	10/28/2005	10:23 AM	SM20 4500-CI-B
COND	Specific Conductance, 25oC, Field	699		µmhos/cm	1	10/14/2005	12:20 PM	EPA 120.1
DIGESTW	Metals digest w/HNO3, water samples	Completed				10/15/2005	7:30 AM	SM 3030 D, E
ELEV	Elevation, Water Table	19.13		Feet NGVD		10/14/2005	12:20 PM	FDEP-SOP-001/01
FE	Iron by flame AA	1.2		mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	0.409		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	7.30		units		10/14/2005	12:20 PM	EPA 150.1
SAMPLEG	Sample Collection Ground Water	Completed				10/14/2005	12:20 PM	FDEP-SOP-001/01

Laboratory ID	AB80910	Collection date and time	10/14/2005 12:20 PM
Location Code	WTE-3D	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 3-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
Well purged 179.7 gallons on previous day. Turbidity would not stabilize.								
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	45		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	420		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	1.03		mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	7.6	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Laboratory ID	AB80911	Collection date and time	10/13/2005 11:31 AM
Location Code	WTE-3S	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 3-S		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ASUGL	Arsenic, AA furnace technique	13.6		µg/L	1.0	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	12		mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-CI-B
COND	Specific Conductance, 25°C, Field	628		µmhos/cm	1	10/13/2005	11:31 AM	EPA 120.1
DIGESTW	Metals digest w/HNO3, water samples	Completed				10/15/2005	7:30 AM	SM 3030 D, E
ELEV	Elevation, Water Table	20.06		Feet NGVD		10/13/2005	11:31 AM	FDEP-SOP-001/01
FE	Iron by flame AA	2.9		mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	2.98		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	6.86		units		10/13/2005	11:31 AM	EPA 150.1
SAMPLEG	Sample Collection Ground Water	Completed				10/13/2005	11:31 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	35		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	408		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	3.75		mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	13	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Laboratory ID	AB80912	Collection date and time	10/14/2000 11:06 AM
Location Code	WTE-5D	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 5-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ASUGL	Arsenic, AA furnace technique	1.7	I	µg/L	1.0	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	154		mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	1089		µmhos/cm	1	10/14/2005	11:06 AM	EPA 120.1
ELEV	Elevation, Water Table	18.59		Feet NGVD		10/14/2005	11:06 AM	FDEP-SOP-001/01
FE	Iron by flame AA	0.04	U	mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	0.399		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	7.19		units		10/14/2005	11:06 AM	EPA 150.1
SAMPLEG	Sample Collection Ground Water	Completed				10/14/2005	11:06 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	56		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	628		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.81		mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	5.7	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Laboratory ID	AB80913	Collection date and time	10/14/2005 10:00 AM
Location Code	WTE-5S	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 5-S		

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	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	61.5		mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-CI-B
CONDF	Specific Conductance, 25oC, Field	1287		µmhos/cm	1	10/14/2005	10:00 AM	EPA 120.1
ELEV	Elevation, Water Table	19.85		Feet NGVD		10/14/2005	10:00 AM	FDEP-SOP-001/01
FE	Iron by flame AA	2.7	J4	mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	1.13		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	6.70		units		10/14/2005	10:00 AM	EPA 150.1
SAMPLEG	Sample Collection Ground Water	Completed				10/14/2005	10:00 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	236		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	882		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	2.13		mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2

Laboratory ID	AB80913	Collection date and time	10/14/2005 10:00 AM
Location Code	WTE-5S	Sample Collector	JOHN REEKIE
Sample Description	Waste to Energy M.W. # 5-S		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
TOC	Total Organic Carbon	23	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Laboratory ID	AB80914	Collection date and time	10/13/2005 1:45 PM
Location Code	WTE-6D	Sample Collector	MAGGIE NEWTON
Sample Description	Waste to Energy M.W. # 6-D		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
Turbidity would not stabilize.								
ASUGL	Arsenic, AA furnace technique	1.0	U	µg/L	1.0	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	164		mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-Cl-B
CONDf	Specific Conductance, 25oC, Field	1182		µmhos/cm	1	10/13/2005	1:45 PM	EPA 120.1
DIGESTW	Metals digest w/HNO3, water samples	Completed				10/15/2005	7:30 AM	SM 3030 D, E
ELEV	Elevation, Water Table	18.32		Feet NGVD		10/13/2005	1:45 PM	FDEP-SOP-001/01
FE	Iron by flame AA	0.83		mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	0.391		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	6.78		units		10/13/2005	1:45 PM	EPA 150.1
SAMPLEG	Sample Collection Ground Water	Completed				10/13/2005	1:45 PM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	46		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	702		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	1.13		mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	11	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Laboratory ID	AB80915	Collection date and time	10/13/2005 12:44 PM
Location Code	WTE-6S	Sample Collector	MAGGIE NEWTON
Sample Description	Waste to Energy M.W. # 6-S		

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	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	37		mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-Cl-B
CONDf	Specific Conductance, 25oC, Field	841		µmhos/cm	1	10/13/2005	12:44 PM	EPA 120.1

Laboratory ID	AB80915	Collection date and time	10/13/2005 12:44 PM
Location Code	WTE-6S	Sample Collector	MAGGIE NEWTON
Sample Description	Waste to Energy M.W. # 6-S		

Analysis Code	Analyte Name	Result	Qualifier	Units	MDL	Analysis Date	Analysis Time	Analysis Method
ELEV	Elevation, Water Table	20.06		Feet NGVD		10/13/2005	12:44 PM	FDEP-SOP-001/01
FE	Iron by flame AA	2.3		mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	0.212		mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
PHF	pH, Field (electrometric)	7.01		units		10/13/2005	12:44 PM	EPA 150.1
SAMPLEG	Sample Collection Ground Water	Completed				10/13/2005	12:44 PM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	130		mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	558		mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.28	I	mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	9.0	ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Laboratory ID	AB80916	Collection date and time	10/14/2005 10:37 AM
Location Code	WTE-EQB	Sample Collector	JOHN REEKIE
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	µg/L	1.0	10/14/2005	1:17 PM	SM20 3113 B
CL	Chloride titrimetric Argentometric	1.2	U	mg/L	1.2	10/26/2005	10:23 AM	SM20 4500-CI-B
FE	Iron by flame AA	0.04	U	mg/L	0.04	10/17/2005	7:25 AM	SM3111B
HG	Mercury, AA cold vapor technique	0.2	U	µg/L	0.2	11/2/2005	3:16 PM	EPA 245.1
MN	Manganese by flame AA	0.01	U	mg/L	0.01	10/18/2005	7:39 AM	SM20 3111 B
NH3	Ammonia, Automated Phenate	0.013	U	mg/L as N	0.013	10/17/2005	7:37 AM	EPA 350.1
SAMPLEG	Sample Collection Ground Water	Completed				10/14/2005	10:37 AM	FDEP-SOP-001/01
SEUGL	Selenium, AA furnace technique	1.0	U	µg/L	1.0	11/1/2005	1:33 PM	SM20 3113 B
SO4_IC	Sulfate	0.1	U	mg/L	0.1	10/17/2005	7:50 AM	EPA 300.0
TDS	Total Dissolved Solids/filterable	5	U	mg/L	5.5	10/18/2005	2:19 PM	SM20 2540 C
TKN	Nitrogen, Kjeldahl, Total	0.10	U	mg/L as N	0.1	11/2/2005	9:00 AM	EPA 351.2
TOC	Total Organic Carbon	0.10	I,ELAB	mg/L	0.080	10/17/2005	12:00 AM	SM20 5310 B
ZN	Zinc by flame AA	0.01	U	mg/L	0.01	10/17/2005	7:54 AM	SM20 3111 B

Unless noted otherwise, these test results meet all the requirements of the 2003 NELAC Standards.
All questions regarding this report should be directed to Keith A. Kibbey, Laboratory Manager.



Keith A. Kibbey
Laboratory Manager

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.
- AAP Analysis performed by Alta Analytical Perspectives - DOH # E87608
- 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
- DOHT Analysis performed by Florida Department of Health, Tampa, FL, DOH # E14157
- E Extra samples were taken at composite stations.
- ELAB Analysis performed by ELAB, Inc. of Ormond Beach, FL, DOH # E83079
- EMSL Analysis performed by EMSL Analytical, Inc., Miami Beach, FL - DOH # E86795
- FRS Analysis performed by Florida Radiochemistry Services Inc., Orlando, FL - DOH # E83033
- GWL Analysis performed by Green Water Laboratories, Palatka, FL
- H Value based on field kit determination; result may not be accurate.
- I The value is equal to or 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.
- STLT Analysis performed by Severn Trent Laboratories, Tallahassee, FL, DOH # E81005.
- T Value reported is less than the laboratory method detection limit.
- U Indicates that the compound was analyzed for but not detected.
- ULI Analysis performed by Underwriters Laboratories Inc. DOH # E87775
- 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.

LCEL

Lee County Environmental Laboratory
 60-2 Danely Dr Ft Myers, FL 33907
 Phone: (239) 278-7070
 Fax: (239) 939-4850

Lab Certification: E45049

Analysis Request & Chain of Custody Record

Report/Result Information				Billing/Invoice Information				Page 1 of 2					
Name: LAURA GRAY				Name: LAURA GRAY				Matrix Codes: DW-Drinking water GW- Ground water WW-Waste water SW-Surface water WWS-Wastewater Sludge S-Sediment O-Other					
Address: LEE COUNTY SOLID WASTE				Address: LEE COUNTY SOLID WASTE				Perservative Codes: NP-No Preservative N-Nitric Acid S-Sulfuric Acid H-Hydrochloric Acid SH-Sodium Hydroxide ST-Sodium Thiosulfate O-Other					
Phone/Fax/Cell: ()				Phone/Fax/Cell: ()									
Sample Collector(s) (please print): JOHN REEKIE LCEL				Sample Collector Signature: <i>John Reekie</i>				Analyses Required					
Relinquished By: (signature) <i>John Reekie</i>		Date 10/14/05	Time 15:00	Received By: (signature) <i>John Reekie</i>									
Relinquished By: (signature)		Date	Time	Received By: (signature)		SAMPLES, ELEV, PH, COND,		AS, Fe, Hg, Se, Zn, Mn,		TOC, SHIPPING			
Relinquished By: (signature)		Date	Time	Received By: (signature)		TDS, TKN, Cl, SO4, LC		NH3					
Sample(s) on ice <input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No?								Preservatives (see codes)					
								X N H NP S					
Collection Date		Time		Sample Description & Location				Matrix (see codes)		# of Sample Containers Submitted		LCE Lab #	
10/13/05		1023		WTE 1-D				GW		X		AB 80907	
		9:45		1-S				GW		X		80908	
		9:45		1-S DUPLICATE				GW		X		80909	
10/14/05		12:20		3-D				GW		X		80910	
10/13/05		11:31		3-S				GW		X		80911	
10/14/05		11:06		5-D				GW		X		80912	
		10:00		5-S				GW		X		80913	

LCEL

Lee County Environmental Laboratory
 60-2 Danely Dr Ft Myers, FL 33907
 Phone: (239) 278-7070
 Fax: (239) 939-4850

Lab Certification: E45049

Analysis Request & Chain of Custody Record

Report/Result Information				Billing/Invoice Information				Matrix Codes:				Preservative Codes:			
Name: LAURA GRAY				Name: LAURA GRAY				DW-Drinking water				NP-No Preservative			
Address: LEE COUNTY SOLID WASTE				Address: LEE COUNTY SOLID WASTE				GW- Ground water				N-Nitric Acid			
Phone/Fax/Cell: ()				Phone/Fax/Cell: ()				WW-Waste water				S-Sulfuric Acid			
Sample Collector(s) (please print): JOHN REEKIE				Sample Collector Signature: <i>John Reekie</i>				SW-Surface water				H-Hydrochloric Acid			
Relinquished By: (signature) <i>John Reekie</i>		Date: 10/14/05	Time: 15:00	Received By: (signature) <i>John Reekie</i>											
Relinquished By: (signature) <i>John Reekie</i>		Date:	Time:	Received By: (signature)											
Relinquished By: (signature)		Date:	Time:	Received By: (signature)											
Sample(s) on ice <input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No?								SAMPLER, ELEV							
								PH, COND							
								As, Fe, Mg, Se,							
								Zn, Mg							
								TOC, SHIPPING							
								TDS, TKN, CI							
								SO4-1C							
								NH3							
								Preservatives (see codes)							
								x N H NP S							
Collection Date		Time		Sample Description & Location				Matrix (see codes)		# of Sample Containers Submitted				LCE Lab #	
10/13/05		13:45		WTE 6-D				GW		x 1 1 1 1				AB 80914	
10/13/05		12:44		WTE 6-S				GW		x 1 1 1 1				80915	
10/14/05		10:37		WTE EQB				GW		x 1 1 1 1				80916	