



P.O. Box 398
Fort Myers, Florida 33902-0398
(813) 335-2111

BOARD OF COUNTY COMMISSIONERS

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Examiner

April 21, 1995
SL-95-467

Mr. Phil Barbacia
Florida Department of
Environmental Protection
2295 Victoria Avenue
Suite 364
Fort Myers, FL 33901

RE: Lee County Solid Waste Energy Recovery Facility
Power Plant Site Certification #PA 90-30.

Dear Mr. Barbacia:

In accordance with the subject certification, condition XIV. D.3. d and e, please find attached a copy of the quarterly groundwater sampling results. Test results for surface water samples are also included.

If you have any questions, please contact me at 338-3100.

Sincerely,

DEPARTMENT OF SOLID WASTE MANAGEMENT

Lindsey J. Sampson
Deputy Director

LJS/clr

Attachments

cc: K. Johnson (SFWM, Ft. Myers) w/attachment
D. Markley
II A418

RECEIVED

APR 26 1995

D.E.P. South District

Lee County Environmental Laboratory
 60 Danley Drive # 2
 Fort Myers, Florida 33907
 (813) 278-7288
 HRS ID 45031/E45049

RECEIVED

March 17, 1995

APR 26 1995

Mr. Lindsey Sampson
 L.C. Dept. of Solid Waste
 cc: Malcolm Pirnie, Inc.

D.E.P. South District

Dear: Mr. Sampson:

Below are the results of analysis of 1 sample received for examination on February 3, 1995:

Sample I.D. AA53247 Location code: WTESW2
 Location Description: Waste to Energy Surface Water
 Sample collector: VICKI
 Sample collection date: 02/03/95 Time: 10:00
 Lab submittal date: 02/03/95 Time: 10:42

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Alkalinity, Total	mg/L as CaCO3	108	1
Chemical Oxygen Demand	mg/L	25	1
Oxygen, Dissolved, Winkler	mg/L	6.8	0.1
pH (electrometric)	pH units	6.8	
Specific Conductance @ 25oC	umhos/cm	250	1
Total Organic Carbon	mg/L	21	1
Total Suspended Solids	mg/L	7	1
Turbidity (Nephelometric)	NTU	6.4	0.01
Oil & Grease	mg/L	Not detected	5
Aluminum, AA furnace technique	mg/L	0.04	0.01
Antimony by flame AA	mg/L	Not detected	0.2
Beryllium by flame AA	ug/L	Not detected	5
Cadmium by flame AA	mg/L	Not detected	0.005
Copper by flame AA	mg/L	Not detected	0.01
Cyanide, Total	mg/L	Not detected	0.005
Iron by flame AA	mg/L	0.13	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nickel by flame AA	mg/L	Not detected	0.04
Selenium, AA furnace technique	mg/L	Not detected	0.002
Silver by flame AA	mg/L	Not detected	0.01
Zinc by flame AA	mg/L	0.01	0.01

Multicomponent analysis: Volatile Organics by P&T PID\HAL

Trichloroethene	ug/L	Not detected	1.0
Tetrachloroethene	ug/L	Not detected	1.0
Carbon tetrachloride	ug/L	Not detected	1.0
Vinyl chloride	ug/L	Not detected	1.0
1,1,1-trichloroethane	ug/L	Not detected	1.0
1,2-dichloroethane	ug/L	Not detected	1.0
Benzene	ug/L	Not detected	1.0


Page: 2
March 17, 1995
Mr. Lindsey Sampson Sample I.D. AA53247 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT

Multicomponent analysis: Volatile Organics by P&T PID\HAL (continued)			
p-dichlorobenzene	ug/L	Not detected	1.0
1,1-dichloroethene	ug/L	Not detected	1.0

Please advise should you have questions concerning these data.

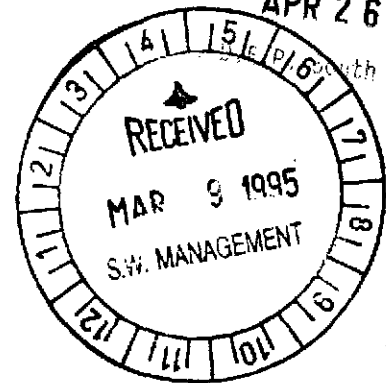
Respectfully submitted,


Keith A. Kibbey
Laboratory Director
Division of Natural Resources Management

Lee County Environmental Laboratory
 60 Danley Drive # 2
 Fort Myers, Florida 33907
 (813) 278-7288
 HRS ID 45031/E45049

RECEIVED

APR 26 1995



March 1, 1995

Mr. Lindsey Sampson
 L.C. Dept. of Solid Waste
 cc: Malcolm Pirnie, Inc.

Dear: Mr. Sampson:

Below are the results of analysis of 12 samples received for examination on January 12, 1995:

Sample I.D. AA52543 Location code: WTE-1S
 Location Description: Waste to Energy M.W. # 1-S
 Sample collector: VICKI
 Sample collection date: 01/12/95 Time: 08:15
 Lab submittal date: 01/12/95 Time: 14:59

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	0.005	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	4.34	0.03
Lead, AA furnace technique	ug/L	2	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.2	
Total Dissolved Solids	mg/L	480	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	1.05	0.01
Specific Conductance @ 25oC	umhos/cm	713	1
Elevation, Water Table	Feet NGVD	19.19	0.01

Sample I.D. AA52544 Location code: WTE-1D
 Location Description: Waste to Energy M.W. # 1-D
 Sample collector: VICKI
 Sample collection date: 01/12/95 Time: 08:40
 Lab submittal date: 01/12/95 Time: 14:59

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.07	0.03

March 1, 1995

Mr. Lindsey Sampson Sample I.D. AA52544 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.4	
Total Dissolved Solids	mg/L	538	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	1.10	0.01
Specific Conductance @ 25oC	umhos/cm	810	1
Elevation, Water Table	Feet NGVD	17.58	0.01

Sample I.D. AA52545

Location code: WTE-2S

Location Description: Waste to Energy M.W. # 2-S

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 01:15

Lab submittal date: 01/12/95 Time: 14:59

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	0.003	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	2.23	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	6.9	
Total Dissolved Solids	mg/L	524	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.77	0.01
Specific Conductance @ 25oC	umhos/cm	780	1
Elevation, Water Table	Feet NGVD	19.12	0.01

Sample I.D. AA52546

Location code: WTE-2D

Location Description: Waste to Energy M.W. # 2-D

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 01:30

Lab submittal date: 01/12/95 Time: 14:59

March 1, 1995

Mr. Lindsey Sampson Sample I.D. AA52546 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.07	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.3	
Total Dissolved Solids	mg/L	564	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	2.64	0.01
Specific Conductance @ 25oC	umhos/cm	957	1
Elevation, Water Table	Feet NGVD	18.90	0.01

Sample I.D. AA52547

Location code: WTE-3S

Location Description: Waste to Energy M.W. # 3-S

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 12:30

Lab submittal date: 01/12/95 Time: 14:59

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	0.001	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	1.61	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.1	
Total Dissolved Solids	mg/L	586	2
Selenium, AA furnace technique	mg/L	0.002	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	1.80	0.01
Specific Conductance @ 25oC	umhos/cm	917	1
Elevation, Water Table	Feet NGVD	19.31	0.01

Sample I.D. AA52548

Location code: WTE-3D

Location Description: Waste to Energy M.W. # 3-D

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 12:45

Lab submittal date: 01/12/95 Time: 14:59

March 1, 1995

Mr. Lindsey Sampson Sample I.D. AA52548 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.09	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.2	
Total Dissolved Solids	mg/L	606	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	2.43	0.01
Specific Conductance @ 25oC	umhos/cm	1050	1
Elevation, Water Table	Feet NGVD	19.08	0.01

Sample I.D. AA52549

Location code: WTE-4S

Location Description: Waste to Energy M.W. # 4-S

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 10:25

Lab submittal date: 01/12/95 Time: 14:59

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	3.03	0.03
Lead, AA furnace technique	ug/L	2	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.1	
Total Dissolved Solids	mg/L	726	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	1.23	0.01
Specific Conductance @ 25oC	umhos/cm	1210	1
Elevation, Water Table	Feet NGVD	19.41	0.01

Sample I.D. AA52550

Location code: WTE-4D

Location Description: Waste to Energy M.W. # 4-D

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 10:45

Lab submittal date: 01/12/95 Time: 14:59

March 1, 1995

Mr. Lindsey Sampson Sample I.D. AA52550 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.06	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.3	
Total Dissolved Solids	mg/L	518	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	2.88	0.01
Specific Conductance @ 25oC	umhos/cm	903	1
Elevation, Water Table	Feet NGVD	18.89	0.01

Sample I.D. AA52551

Location code: WTE-5S

Location Description: Waste to Energy M.W. # 5-S

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 09:30

Lab submittal date: 01/12/95 Time: 14:59

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	0.001	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	0.01	0.01
Iron by flame AA	mg/L	2.45	0.03
Lead, AA furnace technique	ug/L	2	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.4	
Total Dissolved Solids	mg/L	512	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	2.89	0.01
Specific Conductance @ 25oC	umhos/cm	826	1
Elevation, Water Table	Feet NGVD	19.26	0.01

Sample I.D. AA52552

Location code: WTE-5D

Location Description: Waste to Energy M.W. # 5-D

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 09:45

Lab submittal date: 01/12/95 Time: 14:59

March 1, 1995

Mr. Lindsey Sampson Sample I.D. AA52552 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.37	0.03
Lead, AA furnace technique	ug/L	6	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.3	
Total Dissolved Solids	mg/L	616	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	1.09	0.01
Specific Conductance @ 25oC	umhos/cm	1070	1
Elevation, Water Table	Feet NGVD	18.85	0.01

Sample I.D. AA52553

Location code: WTE-6S

Location Description: Waste to Energy M.W. # 6-S

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 11:15

Lab submittal date: 01/12/95 Time: 14:59

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	0.002	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	2.00	0.03
Lead, AA furnace technique	ug/L	1	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.3	
Total Dissolved Solids	mg/L	538	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	2.23	0.01
Specific Conductance @ 25oC	umhos/cm	834	1
Elevation, Water Table	Feet NGVD	19.38	0.01

Sample I.D. AA52554

Location code: WTE-6D

Location Description: Waste to Energy M.W. # 6-D

Sample collector: VICKI

Sample collection date: 01/12/95 Time: 11:30

Lab submittal date: 01/12/95 Time: 14:59

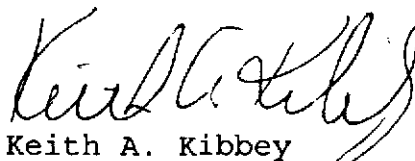
March 1, 1995

Mr. Lindsey Sampson Sample I.D. AA52554 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.54	0.03
Lead, AA furnace technique	ug/L	1	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	0.04	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	0.04	0.01
pH (electrometric)	pH units	7.4	
Total Dissolved Solids	mg/L	652	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.30	0.01
Specific Conductance @ 25°C	umhos/cm	1140	1
Elevation, Water Table	Feet NGVD	18.77	0.01

Please advise should you have questions concerning these data.

Respectfully submitted,



Keith A. Kibbey
Laboratory Director
Division of Natural Resources Management

Lee County Environmental Laboratory
 60 Danley Drive # 2
 Fort Myers, Florida 33907
 (813) 278-7288
 HRS ID 45031/E45049

RECEIVED
 APR 26 1995
 D.E.P. South District

February 1, 1995

Mr. Lindsey Sampson
 L.C. Dept. of Solid Waste
 cc: Malcolm Pirnie, Inc.

Dear: Mr. Sampson:

Below are the results of analysis of 11 samples received for examination on December 8, 1994:

Sample I.D. AA51715 Location code: WTE-1S
 Location Description: Waste to Energy M.W. # 1-S
 Sample collector: VICKI
 Sample collection date: 12/08/94 Time: 07:45
 Lab submittal date: 12/08/94 Time: 13:42

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	0.002	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	5.50	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.0	
Total Dissolved Solids	mg/L	478	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.02	0.01
Specific Conductance @ 25oC	umhos/cm	747	1
Elevation, Water Table	Feet NGVD	18.06	0.01

Sample I.D. AA51716 Location code: WTE-1D
 Location Description: Waste to Energy M.W. # 1-D
 Sample collector: VICKI
 Sample collection date: 12/08/94 Time: 08:30
 Lab submittal date: 12/08/94 Time: 13:42

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.16	0.03

February 1, 1995

Mr. Lindsey Sampson Sample I.D. AA51716 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.3	
Total Dissolved Solids	mg/L	516	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.05	0.01
Specific Conductance @ 25oC	umhos/cm	879	1
Elevation, Water Table	Feet NGVD	17.73	0.01

Sample I.D. AA51718

Location code: WTE-2D

Location Description: Waste to Energy M.W. # 2-D

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 01:30

Lab submittal date: 12/08/94 Time: 13:42

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.28	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.4	
Total Dissolved Solids	mg/L	564	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.02	0.01
Specific Conductance @ 25oC	umhos/cm	90	1
Elevation, Water Table	Feet NGVD	18.56	0.01

Sample I.D. AA51719

Location code: WTE-3S

Location Description: Waste to Energy M.W. # 3-S

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 12:00

Lab submittal date: 12/08/94 Time: 13:42

February 1, 1995

Mr. Lindsey Sampson Sample I.D. AA51719 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	1.71	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.3	
Total Dissolved Solids	mg/L	576	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	Not detected	0.01
Specific Conductance @ 25oC	umhos/cm	932	1
Elevation, Water Table	Feet NGVD	19.10	0.01

Sample I.D. AA51720

Location code: WTE-3D

Location Description: Waste to Energy M.W. # 3-D

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 12:30

Lab submittal date: 12/08/94 Time: 13:42

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.14	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.5	
Total Dissolved Solids	mg/L	592	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.08	0.01
Specific Conductance @ 25oC	umhos/cm	1050	1
Elevation, Water Table	Feet NGVD	18.86	0.01

Sample I.D. AA51721

Location code: WTE-4S

Location Description: Waste to Energy M.W. # 4-S

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 11:00

Lab submittal date: 12/08/94 Time: 13:42

February 1, 1995

Mr. Lindsey Sampson Sample I.D. AA51721 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	1.89	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.2	
Total Dissolved Solids	mg/L	742	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	Not detected	0.01
Specific Conductance @ 25oC	umhos/cm	1240	1
Elevation, Water Table	Feet NGVD	19.12	0.01

Sample I.D. AA51722

Location code: WTE-4D

Location Description: Waste to Energy M.W. # 4-D

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 11:30

Lab submittal date: 12/08/94 Time: 13:42

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.13	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.3	
Total Dissolved Solids	mg/L	520	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.05	0.01
Specific Conductance @ 25oC	umhos/cm	947	1
Elevation, Water Table	Feet NGVD	18.66	0.01

Sample I.D. AA51723

Location code: WTE-5S

Location Description: Waste to Energy M.W. # 5-S

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 09:00

Lab submittal date: 12/08/94 Time: 13:42

February 1, 1995

Mr. Lindsey Sampson Sample I.D. AA51723 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	2.19	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.3	
Total Dissolved Solids	mg/L	524	2
Selenium, AA furnace technique	mg/L	0.004	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.02	0.01
Specific Conductance @ 25oC	umhos/cm	775	1
Elevation, Water Table	Feet NGVD	18.89	0.01

Sample I.D. AA51724

Location code: WTE-5D

Location Description: Waste to Energy M.W. # 5-D

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 09:30

Lab submittal date: 12/08/94 Time: 13:42

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.23	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.5	
Total Dissolved Solids	mg/L	636	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.03	0.01
Specific Conductance @ 25oC	umhos/cm	1060	1
Elevation, Water Table	Feet NGVD	18.60	0.01

Sample I.D. AA51725

Location code: WTE-6S

Location Description: Waste to Energy M.W. # 6-S

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 10:00

Lab submittal date: 12/08/94 Time: 13:42

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Mr. Lindsey Sampson Sample I.D. AA51725 (continued)

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	3.18	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.4	
Total Dissolved Solids	mg/L	542	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	Not detected	0.01
Specific Conductance @ 25oC	umhos/cm	900	1
Elevation, Water Table	Feet NGVD	19.01	0.01

Sample I.D. AA51726

Location code: WTE-6D

Location Description: Waste to Energy M.W. # 6-D

Sample collector: VICKI

Sample collection date: 12/08/94 Time: 10:30

Lab submittal date: 12/08/94 Time: 13:42

TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
Arsenic, AA furnace technique	mg/L	Not detected	0.001
Cadmium by flame AA	mg/L	Not detected	0.005
Chromium by flame AA	mg/L	Not detected	0.01
Iron by flame AA	mg/L	0.60	0.03
Lead, AA furnace technique	ug/L	Not detected	1
Mercury, AA cold vapor technique	ug/L	Not detected	0.2
Nitrate	mg/L as N	Not detected	0.01
Nitrite	mg/L as N	Not detected	0.001
Nitrate + Nitrite	mg/L as N	Not detected	0.01
pH (electrometric)	pH units	7.5	
Total Dissolved Solids	mg/L	720	2
Selenium, AA furnace technique	mg/L	Not detected	0.002
Nitrogen, Kjeldahl, Total	mg/L as N	0.04	0.01
Specific Conductance @ 25oC	umhos/cm	1250	1
Elevation, Water Table	Feet NGVD	18.52	0.01

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Please advise should you have questions concerning these data.

Respectfully submitted,



Keith A. Kibbey
Laboratory Director
Division of Natural Resources Management