

General Test Laboratory  
Building Number 8  
P.O. Box 2641  
Birmingham, Al 35291

# CERTIFICATE OF ANALYSIS

To: Mr. Byron Feimster  
Georgia Power Company  
Plant Hatch/BIN 63010

Customer Account : WAQGPC2C  
Sample Date : 30-Jan-02  
Customer ID :  
Delivery Date : 30-Jan-02

Description: GPCO NPDES/Repermitting  
Plant Hatch/Unit 1

Laboratory ID Number: AG02714

Name	Analyst	Test Date	Reference	Vio Spec	MDL	Results	Units
<b><i>Volatile Compounds</i></b>							
Acrolein	RAH	1/31/02	EPA 603		0.002	Not Detected	mg/l
Acrylonitrile	RAH	1/31/02	EPA 603		0.001	Not Detected	mg/l
Benzene	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Bromoform	RAH	2/5/02	EPA 624		0.0030	Not Detected	mg/l
Carbon Tetrachloride	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Chlorobenzene	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
Chlorodibromomethane	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
Chloroethane	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
2-Chloroethylvinyl Ether	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
Chloroform	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Dichlorobromomethane	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
1,1-Dichloroethane	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
1,2-Dichloroethane	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
1,1-Dichloroethylene	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
1,2-Dichloropropane	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
cis-1,3-Dichloropropylene	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
trans-1,3-Dichloropropylene	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
Ethylbenzene	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Methyl Bromide	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Methyl Chloride	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Methylene Chloride	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
1,1,2,2-Tetrachloroethane	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Tetrachloroethylene	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Toluene	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
1,2-trans-Dichloroethylene	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
1,1,1-Trichloroethane	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
1,1,2-Trichloroethane	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l
Trichloroethylene	RAH	2/5/02	EPA 624		0.0020	Not Detected	mg/l

This Certificate is for the physical and/or chemical characteristics of the sample as

**Comments:**

cc:

Quality Control \_\_\_\_\_ Supervision \_\_\_\_\_

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<b><i>Volatile Compounds</i></b>							
Vinyl Chloride	RAH	2/5/02	EPA 624		0.0010	Not Detected	mg/l
<b><i>Pesticides</i></b>							
Aldrin	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
alpha-BHC	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
beta-BHC	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
delta-BHC	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
gamma-BHC (Lindane)	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
Chlordane	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
4,4p-DDT	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
4,4p-DDE	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
4,4p-DDD	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
Dieldrin	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
alpha-Endosulfan	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
beta-Endosulfan	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
Endosulfan sulfate	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
Endrin	RAH	2/20/02	EPA 608		0.001	Not Detected	mg/l
Endrin aldehyde	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
Heptachlor	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
Heptachlor epoxide	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l
PCB, Aroclor 1242	RAH	2/20/02	EPA 608		0.005	Not Detected	mg/l
PCB, Aroclor 1254	RAH	2/20/02	EPA 608		0.005	Not Detected	mg/l
PCB, Aroclor 1221	RAH	2/20/02	EPA 608		0.005	Not Detected	mg/l
PCB, Aroclor 1232	RAH	2/20/02	EPA 608		0.005	Not Detected	mg/l
PCB, Aroclor 1248	RAH	2/20/02	EPA 608		0.005	Not Detected	mg/l
PCB, Aroclor 1260	RAH	2/20/02	EPA 608		0.005	Not Detected	mg/l
PCB, Aroclor 1016	RAH	2/20/02	EPA 608		0.005	Not Detected	mg/l
Toxaphene	RAH	2/20/02	EPA 608		0.003	Not Detected	mg/l

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Name	Analyst	Test Date	Reference	Vio Spec	MDL	Results	Units
<b><i>Metals, Cyanide, Total Phenols</i></b>							
Aluminum, Total	JA3	2/11/02	EPA 200.7		0.018	1.62	mg/l
Antimony, Total	JA3	2/11/02	EPA 200.7		0.012	Not Detected	mg/l
Arsenic, Total	JA3	2/11/02	EPA 200.7		0.005	Not Detected	mg/l
Barium, Total	JA3	2/11/02	EPA 200.7		0.002	0.049	mg/l
Beryllium, Total	JA3	2/11/02	EPA 200.7		0.001	Not Detected	mg/l
Boron, Total	JA3	2/11/02	EPA 200.7		0.003	0.053	mg/l
Cadmium, Total	JA3	2/11/02	EPA 200.7		0.002	Not Detected	mg/l
Chromium, Total	JA3	2/11/02	EPA 200.7		0.001	0.001	mg/l
Cobalt, Total	JA3	2/11/02	EPA 200.7		0.004	Not Detected	mg/l
Copper, Total	JA3	2/11/02	EPA 200.7		0.005	0.007	mg/l
Iron, Total	JA3	2/11/02	EPA 200.7		0.003	1.95	mg/l
Lead, Total	JA3	2/11/02	EPA 200.7		0.004	Not Detected	mg/l
Magnesium, Total	JA3	2/11/02	EPA 200.7		0.026	3.19	mg/l
Manganese, Total	JA3	2/11/02	EPA 200.7		0.004	0.202	mg/l
Mercury, Total	GAS	2/12/02	EPA 245.1		0.0002	Not Detected	mg/l
Molybdenum, Total	JA3	2/11/02	EPA 200.7		0.01	Not Detected	mg/l
Nickel, Total	JA3	2/11/02	EPA 200.7		0.004	Not Detected	mg/l
Selenium, Total	JA3	2/11/02	EPA 200.7		0.005	Not Detected	mg/l
Silver, Total	JA3	2/11/02	EPA 200.7		0.006	Not Detected	mg/l
Thallium, Total	JA3	2/11/02	EPA 200.7		0.007	Not Detected	mg/l
Tin, Total	JA3	2/11/02	EPA 200.7		0.002	Not Detected	mg/l
Titanium, Total	JA3	2/11/02	EPA 200.7		0.003	0.059	mg/l
Zinc - Total	JA3	2/11/02	EPA 200.7		0.004	0.029	mg/l
Cyanide, Total	EMH	2/13/02	EPA 335.3		0.005	Not Detected	mg/l
Phenol, Total	CWH	1/31/02	EPA 420.1		0.01	Not Detected	mg/l
<b><i>General Characteristics</i></b>							
Temperature, Discharge	TJW	1/30/02	Field Data		0.	80.0	Deg F
Field pH	TJW	1/30/02	EPA 150.1		0.00	7.85	SU

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<b>General Characteristics</b>							
Biochemical Oxygen Demand, 5 Day	RDA	2/5/02	SM 5210B		1.	2	mg/l
Chemical Oxygen Demand	RDA	2/12/02	EPA 410.4		1.	20	mg/l
Total Organic Carbon	KRC	1/31/02	EPA 415.1		0.30	5.11	mg/l
Solids - Suspended	FKK	2/1/02	EPA 160.2		1.	16	mg/l
Nitrogen, Ammonia	EMH	2/13/02	EPA 350.1		0.01	0.34	mg/l as N
Bromide	EMH	2/4/02	EPA 300.0		0.02	Not Detected	mg/l
Chlorine, Total Residual	TJW	1/30/02	Field Test		0.01	0.0	mg/l
Color	FKK	2/1/02	EPA 110.3		0.	7	PCU
Coliform - Fecal	GAS	1/31/02	SM 9222D		1.	12	colonies/100
Fluoride	EMH	2/4/02	EPA 340.2		0.02	0.25	mg/l
Nitrogen, Nitrate/Nitrite	EMH	2/7/02	EPA 353.2		0.02	0.98	mg/l as N
Nitrogen, Total Organic	EMH	2/13/02	EPA 351.3		0.01	0.100	mg/l as N
Oil and Grease	RDA	2/6/02	EPA 1664		1.4	2.9	mg/l
Phosphorus, Total	RDA	1/31/02	EPA 365.2		0.01	0.16	mg/l as P
Sulfate	EMH	2/4/02	EPA 300.0		1.0	25.3	mg/l
Sulfide	FKK	2/6/02	EPA 376.2		0.01	0.05	mg/l
Sulfite	FKK	1/31/02	EPA 377.1		0.25	Not Detected	mg/l
Surfactants (Foaming Agents)	RDA	2/1/02	EPA 425.1		0.01	0.01	mg/l
Nitrogen, Total Kjeldahl	EMH	2/6/02	EPA 351.2		0.01	0.44	mg/l as N
<b>Base/Neutral Compounds</b>							
Acenaphthene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
Acenaphthylene	RAH	2/14/02	EPA 625		0.0035	Not Detected	mg/l
Anthracene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
Benzidine	RAH	2/14/02	EPA 625		0.044	Not Detected	mg/l
Benzo(a)anthracene	RAH	2/14/02	EPA 625		0.0078	Not Detected	mg/l
Benzo(a)pyrene	RAH	2/14/02	EPA 625		0.0025	Not Detected	mg/l
3,4-Benzofluoranthene	RAH	2/14/02	EPA 625		0.0048	Not Detected	mg/l
Benzo(g,h,i)perylene	RAH	2/14/02	EPA 625		0.0041	Not Detected	mg/l

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<b>Base/Neutral Compounds</b>							
Benzo(k)fluoranthene	RAH	2/14/02	EPA 625		0.0025	Not Detected	mg/l
Bis(2-chloroethoxy)methane	RAH	2/14/02	EPA 625		0.0053	Not Detected	mg/l
Bis(2-chloroethyl)ether	RAH	2/14/02	EPA 625		0.0057	Not Detected	mg/l
Bis(2-chloroisopropyl)ether	RAH	2/14/02	EPA 625		0.0057	Not Detected	mg/l
Bis(2-ethylhexyl)phthalate	RAH	2/14/02	EPA 625		0.0025	0.0095	mg/l
4-Bromophenyl phenyl ether	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
Butyl benzyl phthalate	RAH	2/14/02	EPA 625		0.0025	Not Detected	mg/l
2-Chloronaphthalene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
4-Chlorophenyl phenyl ether	RAH	2/14/02	EPA 625		0.0042	Not Detected	mg/l
Chrysene	RAH	2/14/02	EPA 625		0.0025	Not Detected	mg/l
Dibenzo(a,h)anthracene	RAH	2/14/02	EPA 625		0.0025	Not Detected	mg/l
1,2-Dichlorobenzene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
1,3-Dichlorobenzene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
1,4-Dichlorobenzene	RAH	2/14/02	EPA 625		0.0044	Not Detected	mg/l
3,3p-Dichlorobenzidine	RAH	2/14/02	EPA 625		0.0165	Not Detected	mg/l
Diethyl phthalate	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
Dimethyl phthalate	RAH	2/14/02	EPA 625		0.0016	Not Detected	mg/l
Di-n-butylphthalate	RAH	2/14/02	EPA 625		0.0025	Not Detected	mg/l
2,4-Dinitrotoluene	RAH	2/14/02	EPA 625		0.0057	Not Detected	mg/l
2,6-Dinitrotoluene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
Di-n-octylphthalate	RAH	2/14/02	EPA 625		0.0025	Not Detected	mg/l
1,2-Diphenylhydrazine	RAH	2/14/02	EPA 625		0.003	Not Detected	mg/l
Fluoranthene	RAH	2/14/02	EPA 625		0.0022	Not Detected	mg/l
Fluorene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
Hexachlorobenzene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
Hexachlorobutadiene	RAH	2/14/02	EPA 625		0.0009	Not Detected	mg/l
Hexachlorocyclopentadiene	RAH	2/14/02	EPA 625		0.001	Not Detected	mg/l
Hexachloroethane	RAH	2/14/02	EPA 625		0.0016	Not Detected	mg/l

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<b>Base/Neutral Compounds</b>							
Indeno(1,2,3-cd)pyrene	RAH	2/14/02	EPA 625		0.0037	Not Detected	mg/l
Isophorone	RAH	2/14/02	EPA 625		0.0022	Not Detected	mg/l
Naphthalene	RAH	2/14/02	EPA 625		0.0016	Not Detected	mg/l
Nitrobenzene	RAH	2/14/02	EPA 625		0.002	Not Detected	mg/l
N-Nitrosodimethylamine	RAH	2/14/02	EPA 625		0.003	Not Detected	mg/l
N-Nitrosodi-n-propylamine	RAH	2/14/02	EPA 625		0.002	Not Detected	mg/l
N-Nitrosodiphenylamine	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
Phenanthrene	RAH	2/14/02	EPA 625		0.0054	Not Detected	mg/l
Pyrene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
1,2,4-Trichlorobenzene	RAH	2/14/02	EPA 625		0.0019	Not Detected	mg/l
<b>Acid Compounds</b>							
2-Chlorophenol	RAH	2/14/02	EPA 625		0.0033	Not Detected	mg/l
2,4-Dichlorophenol	RAH	2/14/02	EPA 625		0.0027	Not Detected	mg/l
2,4-Dimethylphenol	RAH	2/14/02	EPA 625		0.0027	Not Detected	mg/l
4,6-Dinitro-o-cresol	RAH	2/14/02	EPA 625		0.024	Not Detected	mg/l
2,4-Dinitrophenol	RAH	2/14/02	EPA 625		0.042	Not Detected	mg/l
2-Nitrophenol	RAH	2/14/02	EPA 625		0.0036	Not Detected	mg/l
4-Nitrophenol	RAH	2/14/02	EPA 625		0.0024	Not Detected	mg/l
P-Chloro-M-Cresol	RAH	2/14/02	EPA 625		0.0030	Not Detected	mg/l
Pentachlorophenol	RAH	2/14/02	EPA 625		0.0036	Not Detected	mg/l
Phenol	RAH	2/14/02	EPA 625		0.0015	Not Detected	mg/l
2,4,6-Trichlorophenol	RAH	2/14/02	EPA 625		0.0027	Not Detected	mg/l
<b>Miscellaneous</b>							
Method 625 - Extraction Date	RAH	2/5/02				02/05/02	
Method 608 - Extraction Date	RAH	2/6/02	DATE			02/06/02	

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