Part 70 Operating Permit Amendment

Permit Number: **4911-149-0001-V-01-2** **Effective Date:**

Facility Name: **Wansley Steam-Electric Generating Plant**

Facility Address: GA Highway 5
Roopville, GA 30170 (Heard County)

Mailing Address: 241 Ralph McGill Blvd. / Bin 10221
Atlanta, GA 30308

Parent/Holding Company: The Southern Company
Georgia Power Company

Facility AIRS Number: 04-13- 149-00001 **Primary SIC:** 4911

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to or in effect under the Act, the Permittee described above is issued a construction permit amendment for:

Four natural gas-fired only combined-cycle blocks which will generate a total of approximately 2,280 megawatts (MWs) of electric power. Each combined-cycle block includes two combustion turbines, two supplementary fired heat recovery steam generators and one steam turbine. Each combined-cycle block has a rated output capacity of 570 MW. The combustion turbines have emission unit ID numbers of CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B. The supplementary fired heat recovery steam generators have emission unit ID numbers of DB6A, DB6B, DB7A, DB7B, DB8A, DB8B, DB9A, and DB9B.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted or in effect under that Act, or any other condition of this Permit Amendment and Permit No. 4911-149-0001-V-01-0. Unless modified or revoked, this Permit Amendment expires upon issuance of the next Part 70 Permit for this source.

This Permit Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 11857(SIP) dated November 29, 1999; 11828 (Phase II Acid Rain) dated November 12, 1999; and TV-12224 dated April 26, 2000; or any other applications upon which this Permit Amendment or Permit No. 4911-149-0001-V-01-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **20** pages, which pages are a part of this Permit Amendment, and which hereby become part of Permit No. 4911-149-0001-V-01-0.

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.3 Overall Facility Process Description

Plant Wansley burns fossil fuel to generate electricity. This facility includes two steam electric generating units which burn primarily coal and one simple cycle combustion turbine which burns No. 2 fuel oil. Each steam generating unit exhausts through its own stack liner in the 1000 ft. stack. The combustion turbine has its own exhaust which is 32 ft. tall.

Plant Wansley also includes four combustion turbine combined-cycle blocks. Each combined-cycle block includes two combustion turbines each with a supplementally fired (duct burner) heat recovery steam generator (HRSG). The combined-cycle blocks fire only natural gas.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1 Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements / Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
SG01	Steam Generator Unit 1	391-3-1-.02(2)(b), (d), (g), and Acid Rain	3.2.1, 3.2.2, 3.4.1, 3.4.2, 3.4.3, Section 7.9	EP01 SCR1	ESP SCR
SG02	Steam Generator Unit 2	391-3-1-.02(2)(b), (d), (g), and Acid Rain	See SG01	EP02 SCR2	ESP SCR
CT5A	Combustion Turbine Unit 5A	40 CFR 60 Subpart GG and 391-3-1-.02(2)(b) and (g)	3.2.3, 3.2.5, 3.3.1, 3.3.2, 3.3.3	W15A	Water Injection
SB01	Start-up Boiler Unit 1	391-3-1-.02(2)(b), (d), and (g)	3.2.4, 3.4.2, 3.4.3, 3.4.4	none	n/a
SB02	Start-up Boiler Unit 2	391-3-1-.02(2)(b), (d), and (g)	See SB01	none	n/a
CHS	Coal Handling System	391-3-1-.02(2)(n)	3.4.5, 3.4.6	none	n/a
AHS	Ash Handling System	391-3-1-.02(2)(n)	See CHS	none	n/a
CT6A	Combustion Turbine Unit 6A	40 CFR 60 Subpart GG 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	3.3.4, 3.3.5, 3.3.8, 3.3.10, 3.3.11, 3.3.13-3.3.20, 3.3.22, 3.4.7, 4.2.2, 4.2.3, 5.2.1, 5.2.7-5.2.10, 5.2.12-5.2.14, 5.3.7, 5.3.8, 6.2.4, 6.2.6-6.2.10	LC6A SC6A	DLN Burner SCR
DB6A	HRSG, for combustion turbine CT6A, supplementary fired by Duct Burner Unit 6A.	40 CFR 60 Subpart Da 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	3.3.4, 3.3.5, 3.3.10, 3.3.12, 3.3.13, 3.3.15-3.3.19, 3.3.21, 3.3.22, 3.4.7, 4.2.2, 4.2.3, 5.2.1, 5.2.7-5.2.9, 5.2.11, 5.3.7, 5.3.8, 6.2.4-6.2.10	LD6A SC6A	DLN Burner SCR
CT6B	Combustion Turbine Unit 6B	40 CFR 60 Subpart GG 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as CT6A	LC6B SC6B	DLN Burner SCR
DB6B	HRSG, for combustion turbine CT6B, supplementary fired by Duct Burner Unit 6B.	40 CFR 60 Subpart Da 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as DB6A	LD6B SC6B	DLN Burner SCR

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements / Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
CT7A	Combustion Turbine Unit 7A	40 CFR 60 Subpart GG 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as CT6A	LC7A SC7A	DLN Burner SCR
DB7A	HRSG, for combustion turbine CT7A, supplementary fired by Duct Burner Unit 7A.	40 CFR 60 Subpart Da 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as DB6A	LD7A SC7A	DLN Burner SCR
CT7B	Combustion Turbine Unit 7B	40 CFR 60 Subpart GG 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as CT6A	LC7B SC7B	DLN Burner SCR
DB7B	HRSG, for combustion turbine CT7B, supplementary fired by Duct Burner Unit 7B.	40 CFR 60 Subpart Da 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as DB6A	LD7B SC7B	DLN Burner SCR
CT8A	Combustion Turbine Unit 8A	40 CFR 60 Subpart GG 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	3.3.4, 3.3.6, 3.3.8, 3.3.10, 3.3.11, 3.3.13-3.3.20, 3.3.22, 3.4.8, 4.2.2, 4.2.3, 5.2.1, 5.2.7-5.2.10, 5.2.12-5.2.14, 5.3.7, 5.3.8, 6.2.4, 6.2.6-6.2.10	LC8A SC8A	DLN Burner SCR
DB8A	HRSG, for combustion turbine CT8A, supplementary fired by Duct Burner Unit 8A.	40 CFR 60 Subpart Da 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	3.3.4, 3.3.6, 3.3.8, 3.3.10, 3.3.12-3.3.19, 3.3.21, 3.3.22, 3.4.8, 4.2.2, 4.2.3, 5.2.1, 5.2.7-5.2.9, 5.2.11, 5.3.7, 5.3.8, 6.2.4-6.2.10	LD8A SC8A	DLN Burner SCR
CT8B	Combustion Turbine Unit 8B	40 CFR 60 Subpart GG 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as CT8A	LC8B SC8B	DLN Burner SCR
DB8B	HRSG, for combustion turbine CT8B, supplementary fired by Duct Burner Unit 8B.	40 CFR 60 Subpart Da 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as DB8A	LD8B SC8B	DLN Burner SCR
CT9A	Combustion Turbine Unit 9A	40 CFR 60 Subpart GG 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	3.3.4, 3.3.6, 3.3.9, 3.3.10, 3.3.11, 3.3.13-3.3.20, 3.3.22, 3.4.9, 4.2.2, 4.2.3, 5.2.1, 5.2.7-5.2.10, 5.2.12-5.2.14, 5.3.7, 5.3.8, 6.2.4, 6.2.6-6.2.10	LC9A SC9A	DLN Burner SCR

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements / Standards	Corresponding Permit Conditions	ID No.	Description
DB9A	HRSG, for combustion turbine CT9A, supplementary fired by Duct Burner Unit 9A.	40 CFR 60 Subpart Da 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	3.3.4, 3.3.7, 3.3.9, 3.3.10, 3.3.12-3.3.19, 3.3.21, 3.4.9, 4.2.2, 4.2.3, 5.2.1, 5.2.7-5.2.9, 5.2.11, 5.3.7, 5.3.8, 6.2.4-6.2.10	LD9A SC9A	DLN Burner SCR
CT9B	Combustion Turbine Unit 9B	40 CFR 60 Subpart GG 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as CT9A	LC9B SC9B	DLN Burner SCR
DB9B	HRSG, for combustion turbine CT9B, supplementary fired by Duct Burner Unit 9B.	40 CFR 60 Subpart Da 40 CFR 52.21 391-3-1-.02(2)(b) and (g) Acid Rain	Same as DB9A	LD9B SC9B	DLN Burner SCR

* Generally Applicable Requirements contained in this permit may apply also to emission units listed above.

3.3 Equipment Federal Rule Standards

3.3.4 The Permittee shall commence construction of one or all of the following within 18 months of the date of issuance of this Permit: CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, CT7B/DB7B, CT8A/DB8A, CT8B/DB8B, CT9A/DB9A, CT9B/DB9B. Approval to construct this facility shall become invalid if construction is not commenced by that date. For purposes of this Permit, the definition of "commence" is given in 40 CFR 52.21(b)(9).
[40 CFR 52.21(r)]

3.3.5 The construction of Phase I (source codes CT6A, DB6A, CT6B, DB6B, CT7A, DB7A, CT7B, and DB7B) shall be completed by no later than June 1, 2002. In the event that construction of any of these units is not completed by the date specified, and absent approval by the Division for an extension of the completion date, this Permit shall become null and void with respect to that unit and all units yet to be constructed. The Permit will remain in full force and effect with regard to any units for which construction has been completed by the applicable construction deadline. [40 CFR 52.21(r)(2)]

3.3.6 The construction of Phase II (source codes CT8A, DB8A, CT8B, and DB8B) shall be completed by no later than June 1, 2004. In the event that construction of any of these units is not completed by the date specified, and absent approval by the Division for an extension of the completion date, this Permit shall become null and void with respect to that unit and all units yet to be constructed. The Permit will remain in full force and effect with regard to any units for which construction has been completed by the applicable construction deadline.
[40 CFR 52.21(r)(2)]

3.3.7 The construction of Phase III (source codes CT9A, DB9A, CT9B, and DB9B) shall be completed by no later than June 1, 2005. In the event that construction of any of these units is not completed by the date specified, and absent approval by the Division for an extension of the completion date, this Permit shall become null and void with respect to that unit and all units yet to be constructed. The Permit will remain in full force and effect with regard to any units for which construction has been completed by the applicable construction deadline.
[40 CFR 52.21(r)(2)]

3.3.8 The Permittee shall submit a new BACT proposal for Phase II (source codes CT8A, DB8A, CT8B, and DB8B) if construction of Phase I (source codes CT6A, DB6A, CT6B, DB6B, CT7A, DB7A, CT7B, and DB7B) is completed before beginning of actual construction of Phase II commences. At the request of the Permittee, for good cause shown, the Division may waive the requirement to submit a new BACT proposal. [40 CFR 52.21(j)(4)]

3.3.9 The Permittee shall submit a new BACT proposal for Phase III (source codes CT9A, DB9A, CT9B, and DB9B) if actual construction of Phase III does not begin prior to June 1, 2003. At the request of the Permittee, for good cause shown, the Division may waive the requirement to submit a new BACT proposal. [40 CFR 52.21(j)(4)]

3.3.10 For purposes of this Permit: [40 CFR 52.21(j)]

a. Combustion turbine CT6A and duct burner DB6A share a common stack.

b. Combustion turbine CT6B and duct burner DB6B share a common stack.

c. Combustion turbine CT7A and duct burner DB7A share a common stack.

d. Combustion turbine CT7B and duct burner DB7B share a common stack.

e. Combustion turbine CT8A and duct burner DB8A share a common stack.

f. Combustion turbine CT8B and duct burner DB8B share a common stack.

g. Combustion turbine CT9A and duct burner DB9A share a common stack.

h. Combustion turbine CT9B and duct burner DB9B share a common stack.

3.3.11 The Permittee shall only fire natural gas in combustion turbines CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B.
[40 CFR 52.21(j); 40 CFR 60.333(b)(subsumed); and 391-3-1-.02(2)(g) (subsumed)]

3.3.12 The Permittee shall only fire natural gas in duct burners DB6A, DB6B, DB7A, DB7B, DB8A, DB8B, DB9A, and DB9B.
[40 CFR 52.21(j); 40 CFR 60.43a(b)(2) (subsumed); and 391-3-1-.02(2)(g) (subsumed)]

3.3.13 The Permittee shall not discharge, or cause the discharge, into the atmosphere, the following: [40 CFR 52.21(j)]

a. From the stacks noted in Condition Nos. 3.3.10a through 3.3.10b, combined, NOx emissions in excess of 260.175 tons during any twelve consecutive months;

b. From the stacks noted in Condition Nos. 3.3.10c through 3.3.10d, combined, NOx emissions in excess of 260.175 tons during any twelve consecutive months;

c. From the stacks noted in Condition Nos. 3.3.10e through 3.3.10f, combined, NOx emissions in excess of 260.175 tons during any twelve consecutive months; and

d. From the stacks noted in Condition Nos. 3.3.10g through 3.3.10h, combined, NOx emissions in excess of 260.175 tons during any twelve consecutive months;

3.3.14 The Permittee shall not operate the combustion turbines (CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B) below 127.50 MW, except during periods of startup or shutdown. [40 CFR 52.21(j)]

3.3.15 The Permittee shall not discharge or cause the discharge into the atmosphere from each combined combustion turbine and duct burner stack noted in Condition 3.3.10, any gases which contain nitrogen oxides in excess of 3.5 ppmvd, corrected to 15% oxygen, during any thirty (30) day rolling average. The 30-day rolling average is calculated for each "generating unit operating day." For purposes of this Permit, "generating unit operating day" means a 24-hour period between 12:00 midnight and the following midnight during which natural gas is combusted at any time in the combustion turbine. It is not necessary for the natural gas to be combusted continuously for the entire 24-hour period.
[40 CFR 52.21(j); 40 CFR 60.332(a)(1) for the combustion turbines (subsumed); and 40 CFR 60.44a(d)(1) and 40 CFR 60.46a(b) for the duct burners (subsumed)]

3.3.16 The Permittee shall not discharge or cause the discharge into the atmosphere from each combined combustion turbine and duct burner stack, noted in Condition 3.3.10, any gases which contain carbon monoxide in excess of 0.061 pounds per million Btu heat input.
[40 CFR 52.21(j)]

3.3.17 The Permittee shall not discharge or cause the discharge into the atmosphere from each combined combustion turbine and duct burner stack, noted in Condition 3.3.10, any gases which contain particulate matter in excess of 0.01 pounds per million Btu heat input.
[40 CFR 52.21(j); 391-3-1-.02(2)(d) for the duct burners (subsumed), and 40 CFR 60.42a(a)(1) and 40 CFR 60.46a(a) for the duct burners (subsumed)]

3.3.18 The Permittee shall not discharge or cause the discharge into the atmosphere from each combined combustion turbine and duct burner stack, noted in Condition 3.3.10, any gases which contain volatile organic compounds in excess of 0.008 pounds per million Btu heat input, as methane. [40 CFR 52.21(j)]

3.3.19 The Permittee shall not discharge or cause the discharge into the atmosphere from each combined combustion turbine and duct burner stack, noted in Condition 3.3.10, any gases which exhibit greater than 10 percent opacity.
[40 CFR 52.21(j); 40 CFR 60.42a(b) for the duct burners (subsumed); and 391-3-1-.02(2)(b) (subsumed)]

3.3.20 The Permittee shall install and operate, as BACT for NOx on each combustion turbine, CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B, dry low NOx combustors for natural gas combustion. [40 CFR 52.21(j)]

3.3.21 The Permittee shall install and operate, as BACT for NOx on each duct burner in HRSGs DB6A, DB6B, DB7A, DB7B, DB8A, DB8B, DB9A, and DB9B, dry low NOx burners for natural gas combustion. [40 CFR 52.21(j)]

3.3.22 The Permittee shall install and operate, as BACT for NOx on the combined exhaust from each combined combustion turbine and duct burner stack, as defined in Condition 3.3.10, selective catalytic reduction add-on control equipment. [40 CFR 52.21(j)]

3.4 Equipment SIP Rule Standards

3.4.7 The Permittee shall obtain 572.4 tons of NOx offsetting emissions reductions by the date that Phase I (source codes CT6A, DB6A, CT6B, DB6B, CT7A, DB7A, CT7B, and DB7B) commences operation. The NOx offsetting emission reductions must be real, permanent, quantifiable, enforceable, surplus, and have occurred after December 31, 1996 and by the date that Phase I commences operation. For purposes of this condition, "commences operation" shall mean the date when the emissions unit on which construction occurred becomes operational and begins to emit NOx emissions.
[391-3-1-.03(8)(c)]

3.4.8 The Permittee shall obtain 286.2 tons of NOx offsetting emissions reductions by the date that Phase II (source codes CT8A, DB8A, CT8B, and DB8B) commences operation. The NOx offsetting emission reductions must be real, permanent, quantifiable, enforceable, surplus, and have occurred after December 31, 1996 and by the date that Phase II commences operation. For purposes of this condition, commences operation shall mean the date when the emissions unit on which construction occurred becomes operational and begins to emit NOx emissions.
[391-3-1-.03(8)(c)]

3.4.9 The Permittee shall obtain 286.2 tons of NOx offsetting emissions reductions by the date that Phase III (source codes CT9A, DB9A, CT9B, and DB9B) commences operation. The NOx offsetting emission reductions must be real, permanent, quantifiable, enforceable, surplus, and have occurred after December 31, 1996 and by the date that Phase III commences operation. For purposes of this condition, commences operation shall mean the date when the emissions unit on which construction occurred becomes operational and begins to emit NOx emissions.
[391-3-1-.03(8)(c)]

PART 4.0 REQUIREMENTS FOR TESTING

4.1 General Testing Requirements

4.1.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's **Procedures for Testing and Monitoring Sources of Air Pollutants**. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 which pertain to the emission units listed in Section 3.1 are as follows:

a. Method 1 shall be used for the determination of sample point locations,

b. Method 2 shall be used for the determination of stack gas flow rate,

c. Method 3 or 3A shall be used for the determination of stack gas molecular weight,

d. Method 3A or 3B shall be used for the determination of the emissions rate correction factor or excess air,

e. Method 4 shall be used for the determination of stack gas moisture,

f. Method 5 or Method 17 for the determination of particular matter concentration,

g. Method 6 or 6C shall be used for the determination of sulfur dioxide concentration,

h. Method 9 and the procedures contained in Section 1.3 of the above reference document shall be used for the determination of opacity,

i. Method 10 shall be used for the determination of carbon monoxide concentration,

j. Method 18 shall be used for the determination of benzene, toluene, xylene, and polyaromatic hydrocarbon concentrations;

k. Method 19 shall be used for the determination of particular matter, sulfur dioxide, and nitrogen oxides emission rates,

l. Method 20 shall be used for the determination of nitrogen oxides concentration from combustion turbines with emission unit IDs CT5A, CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B.

m. Method 25A shall be used to determine total hydrocarbons and to calculate volatile organic compound emissions,

n. ASTM Test Method D-3431 shall be used for the determination of the nitrogen content of fuel oil, and

o. ASTM D129, D1552, D2622 or D4294 shall be used for the determination of fuel sulfur content, and

p. ASTM D4057 for fuel oil sampling.

q. Method 0011 from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA publication SW-846 for the determination of formaldehyde and acetaldehyde concentrations.

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections which, in his opinion, render those methods or procedures, or portions thereof, more reliable. [391-3-1-.02(3)(a); 40 CFR 60.48a for duct burners (subsumed) and 60.335(c) and (d) for combustion turbines (subsumed)]

4.2 Specific Testing Requirements

4.2.2 Within 60 days after achieving the maximum production rate at which each affected facility will be operated, but not later than 180 days after the initial startup of each affected facility, the Permittee shall conduct the following performance tests and furnish to the Division a written report of the results of such performance tests:

a. Performance tests on each combined combustion turbine and duct burner stack, noted in Condition 3.3.10, for nitrogen oxides (NOx) emissions to verify compliance with Condition No. 3.3.15. The performance tests shall be conducted using the Continuous Monitoring System required by Condition 5.2.1(d). Compliance with the emissions limitation is determined by calculating the average of all hourly NOx emission rates for the first 30 successive operating days (Condition 3.3.15 defines an operating day) using the appropriate procedures in Method 19. Data obtained during startup and shutdown and data excluded in accordance with the procedures of 40 CFR 60, Appendix F shall not be used in the calculation of the 30-day average emission rate. If the minimum quantity of data, as required by Condition 5.2.7(a), is not obtained, the Division may determine compliance with the emissions limitation by following the applicable procedures in Section 7 of Method 19. [40 CFR 52.21; 40 CFR 60.13, 40 CFR 60.46a(e), (f), (g), (h), and (i) and 40 CFR 60.48a for duct burners (subsumed); and 391-3-1-.02(6)(b)1.(i)]

b. A performance test for nitrogen oxides shall be conducted at four load points, as defined in 40 CFR 60.335, on only one combined combustion turbine and duct burner stack that is part of Phase I (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B). [40 CFR 52.21; 40 CFR 60.335(c)(2) for the combustion turbines (subsumed); and 391-3-1-.02(6)(b)1.(i)]

c. Performance tests on two affected facilities that are part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for CO at base load and at 75 percent load.
[40 CFR 52.21 and 391-3-1-.02(6)(b)1.(i)]

d. Performance tests on two affected facilities that are part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for VOC at base load.
[40 CFR 52.21 and 391-3-1-.02(6)(b)1.(i)]

e. A performance test on two affected facilities that are part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for PM at base load.
[40 CFR 52.21 and 40 CFR 60.48a for duct burners; and 391-3-1-.02(6)(b)1.(i)]

f. A performance test on two affected facilities that are part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for visible emissions.
[40 CFR 52.21 and 40 CFR 60.48a for duct burners; and 391-3-1-.02(6)(b)1.(i)]

g. A performance test on one affected facility that is part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for acetaldehyde at base load.
[391-3-1-.02(6)(b)1.(i)]

h. A performance test on one affected facility that is part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for benzene at base load.
[391-3-1-.02(6)(b)1.(i)]

i. A performance test on one affected facility that is part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for formaldehyde at base load.
[391-3-1-.02(6)(b)1.(i)]

j. A performance test on one affected facility that is part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for polyaromatic hydrocarbons at base load.
[391-3-1-.02(6)(b)1.(i)]

k. A performance test on one affected facility that is part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for toluene at base load.
[391-3-1-.02(6)(b)1.(i)]

l. A performance test on one affected facility that is part of Phase I, (CT6A/DB6A, CT6B/DB6B, CT7A/DB7A, and CT7B/DB7B), for xylene at base load.
[391-3-1-.02(6)(b)1.(i)]

For purposes of this condition, the term “affected facility” refers to each of the combined combustion turbines and duct burner stacks noted in Condition 3.3.10. Performance tests for CO, PM, and visible emissions shall be conducted concurrently.

4.2.3 Following the initial performance tests required by Condition 4.2.2 for each affected facility, compliance with the NOx emission limitation is based on the average emission rate for 30 successive operating days (Condition 3.3.15 defines an operating day) using data obtained by the Continuous Monitoring System required by Condition 5.2.1(d). A separate performance test is completed at the end of each operating day after the initial performance test. A new 30-day average emission rate is determined by calculating the average of all hourly NOx emissions rates for the 30 successive operating days using the appropriate procedures of Method 19. Data obtained during startup, shutdown, and data excluded in accordance with the procedures of 40 CFR 60, Appendix F shall not be used in the calculation of the 30-day average emission rate.

For purposes of this condition, the term “affected facility” refers to each of the combined combustion turbines and duct burner stacks noted in Condition 3.3.10.
[40 CFR 52.21; 40 CFR 60.13, 40 CFR 60.46a(f) for duct burners (subsumed) and 391-3-1-.02(6)(b)1.(i)]

PART 5.0 REQUIREMENTS FOR MONITORING (and Related Record Keeping and Reporting)

5.2 Specific Monitoring Requirements

5.2.1 Individual Equipment

The Permittee shall install, calibrate, maintain, and operate continuous monitoring systems for the measurement of the following pollutants or parameters on the following equipment. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.

a. A continuous opacity monitoring system on Steam Generating Units 1 and 2 (emission unit IDs SG01 and SG02). [391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

b. A monitoring system to monitor and record the fuel consumption and ratio of water to fuel being fired in Combustion Turbine Unit 5A (emission unit ID CT5A).
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

c. Monitoring systems to monitor and record the fuel consumption being fired in each combustion turbine (emission unit ID CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B) and in each duct burner (emission unit ID DB6A, DB6B, DB7A, DB7B, DB8A, DB8B, DB9A, and DB9B).
[40 CFR 52.21; 391-3-1-.02(6)(b)1.; 40 CFR 70.6(a)(3)(i), and 40 CFR 60.334(a) for combustion turbines (subsumed)]

d. A CEMS for measuring the NOx concentration (in ppm) and oxygen concentration (in percent) discharge to the atmosphere from each combustion turbine and duct burner combined stack specified in Condition No. 3.3.10.
[40 CFR 52.21; 391-3-1-.02(6)(b)1.; 40 CFR 70.6(a)(3)(i); and 40 CFR 60.47a(c), (k), and (l) for duct burners (subsumed)]

5.2.7 For the Continuous Monitoring Systems (CMS) required in Condition 5.2.1(d), the Permittee shall:
[40 CFR 52.21; 40 CFR 60.13; 40 CFR 60.47a (f), (g), and (l) for duct burners (subsumed)]

a. Obtain data for at least 18 hours in at least 22 out of 30 successive generating unit operating days. If a unit operates less than 18 hours during a steam generating unit operating day, the minimum data requirement shall be 75 percent of the unit operating hours. If these minimum data requirements cannot be met with a CMS, the Permittee shall supplement emission data with other monitoring systems subject to approval of the Division or the test methods and procedures as described in Condition 5.2.8.

b. Reduce the data to 1-hour averages (expressed in ppm, corrected to 15 percent oxygen). Each 1-hour average must be calculated from at least two data points (each point representing 15-minutes of emission data).

c. Comply with Sections 4, 5 and 6 of 40 CFR 60, Appendix F.

5.2.8 When it becomes necessary to supplement CMS data to meet the minimum data requirements in Condition 5.2.7(a), the Permittee shall use the following methods and procedures:
[40 CFR 52.21 and 40 CFR 60.47a(h) for duct burners (subsumed)]

a. Method 7 to determine NOx concentration at the same location as the NOx monitor. Samples shall be taken at 30-minute intervals. The arithmetic average of two consecutive samples represents a 1-hour average. Methods 7A, 7C, 7D, or 7E may be used as alternatives for Method 7. For Methods 7C, 7D, and 7E, the sampling time for each run shall be 1 hour.

b. The emission rate correction factor, integrated bag sampling and analysis procedure of Method 3B to determine the oxygen concentration at the same location as the oxygen monitor. Samples shall be taken for at least 30 minutes in each hour. Each sample represents a 1-hour average. Method 3A may be used as an alternative for Method 3B. The sampling time for Method 3A shall be 1 hour.

c. Equation 20-4 from Method 20 shall be used to compute each 1-hour average concentration in ppm, corrected to 15 percent oxygen.

5.2.9 The Permittee shall determine and record the mass emission rate (lb/hr) of nitrogen oxides from each combustion turbine and duct burner combined stack specified in Condition 3.3.10. The mass emission rate from each stack shall be calculated by multiplying the total NOx emissions in units of pounds per million BTU determined in accordance with the procedures of 40 CFR Part 75 by the total heat input to the combustion turbine and duct burner for that hour determined in accordance with the procedures of 40 CFR 75, Appendix D. For the purposes of this condition, the data substitution and bias corrections of Part 75 shall be utilized.
[40 CFR 52.21; 391-3-1-.02(6)(b)1(i); 40 CFR 70.6(a)(3)(i), and 40 CFR 60.47a(k) and (l) for duct burners (subsumed)]

5.2.10 The sulfur content of the natural gas burned in combustion turbines CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B shall be monitored by the submittal of a semiannual analysis of the gas by the supplier.
[391-3-1-.02(6)(b)1; 40 CFR 70.6(a)(3)(i); Delegation of Authority to Regions for Custom Fuel Monitoring under NSPS GG approved by U.S. EPA; August 14, 1987; 40 CFR 60.334(b) (subsumed)]

5.2.11 The sulfur content of the natural gas burned in the HRSGs DB6A, DB6B, DB7A, DB7B, DB8A, DB8B, DB9A, and DB9B shall be monitored by the submittal of a semiannual analysis of the gas by the supplier.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.12 No determination of the nitrogen content of the natural gas burned in the turbines CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A,and CT9B shall be required.
[Authority for Approval of Custom Fuel Monitoring Schedules under NSPS GG approved by U.S. EPA; August 14, 1987; and 40 CFR 60.334(b) (subsumed)]

5.2.13 The Permittee shall determine and record the electrical output (in MWs) for each combined combustion turbine and heat recovery steam generator for each hour of operation.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

5.2.14 For the purposes of reporting deviations and/or excess emissions as required by Condition 5.3.1, deviations and/or excess emissions are:

a. Any six-minute period during which the average opacity, as measured by the COMS for Steam Generating Units 1 or 2 (emission unit IDs SG01 or SG02), exceeds 40 percent shall be reported as excess emissions. [40 CFR 70.6(a)(3)(iii)(A)]

b. For Source 1, comprised of Steam Generating Unit 1 (emission unit ID SG01), any three-hour block average during which the arithmetic average opacity, as measured by the COMS, exceeds 37 percent shall be reported as excess emissions. A three-hour block average shall be defined as any one of the eight consecutive three-hour time periods between 12:00 midnight and the following midnight. [40 CFR 70.6(a)(3)(iii)(A)]

c. For Source 2, comprised of Steam Generating Unit 2 (emission unit ID SG02), any three-hour block average during which the arithmetic average opacity, as measured by the COMS, exceeds 37 percent shall be reported as excess emissions. A three-hour block average shall be defined as any one of the eight consecutive three-hour time periods between 12:00 midnight and the following midnight. [40 CFR 70.6(a)(3)(iii)(A)]

d. Any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system installed on Combustion Turbine Unit 5A, falls below the water-to-fuel ratio determined during the initial performance test that demonstrated compliance with the nitrogen oxides limit in Condition 3.3.2.
[40 CFR 70.6(a)(3)(iii)(A)]

e. Any period during which the sulfur content of the fuel oil fired in Combustion Turbine 5A exceeds 0.5 percent. [40 CFR 70.6(a)(3)(iii)(A)]

f. Any thirty (30) day rolling average NOx emission rate which exceeds 3.5 ppmvd, corrected to 15 percent oxygen, from each of the affected facilities noted in Condition 3.3.10.
[40 CFR 70.6(a)(3)(iii)(A) and 40 CFR 60.334(c)(1) for combustion turbines (subsumed)]

g. Any hour period during which the average megawatt output of a turbine (CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B) is less than 127.50 MW. For the purpose of this condition, a one-hour period means any 60-minute period commencing on the hour.
[40 CFR 70.6(a)(3)(iii)(A)]

h. Any semiannual analysis of the natural gas fired in any turbine CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B whose sulfur content exceeds 0.01 weight percent.
[40 CFR 70.6(a)(3)(iii)(A); and 40 CFR 60.334(c)(2) (subsumed)]

5.3 Record Keeping and Reporting Requirements

5.3.7 The Permittee shall submit the following information, as it pertains to NOx emissions, from each affected facility noted in Condition 3.3.10, as part of the quarterly reports required by Condition 5.3.1:
[40 CFR 52.21; 391-3-1-.02(6)(b)1.; 40 CFR 70.6(a)(3)(i) ; 40 CFR 60.47a(c) for duct burners (subsumed); and 40 CFR 60.49a(b) for duct burners (subsumed)]

a. Calendar date.

b. The average NOx emission rates (ppm, corrected to 15% oxygen) for each 30 successive operating days, ending with the last 30-day period in the quarter; reasons for non-compliance with the emission standards; and, description of corrective actions taken.

c. Identification of the operating days for which pollutant or diluent data have not been obtains by an approved method for at least 18 hours of operation of the facility; justification for not obtaining sufficient data; and description of corrective actions taken.

d. Identification of the times when emissions data have been excluded from the calculation of average emission rates because of startup, shutdown, malfunction, or other reasons, and justification for excluding data for reasons other than startup, shutdown, malfunction, or emergency conditions.

e. Identification of times when hourly averages have been obtained based on manual sampling methods.

f. Identification of the times when the NOx concentration exceeded full span of the continuous monitoring system.

g. Description of any modifications to the NOx continuous monitoring system which could affect the ability of the continuous monitoring system to comply with Performance Specifications 2 or 3.

5.3.8 The Permittee shall submit reports of the nitrogen oxides emissions from each of the combustion turbine and duct burner combined stacks specified in Condition 3.3.10 for each calendar quarter (quarters ending March 31, June 30, September 30, and December 31). The reports shall be postmarked by the 30th day following the end of each quarter, April 30, July 30, October 30, and January 30, respectively. The reports shall contain the total 12-consecutive month total nitrogen oxides emissions for each of the six months in the quarter. A 12-consecutive month total shall be the total for a month in the reporting period plus the totals for the previous eleven consecutive months. The reports shall be prepared from the records retained in Condition 5.2.9.
[40 CFR 52.21, 391-3-1-.02(6)(b)1(i), and 40 CFR 70.6(a)(3)(i)]

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.2 Specific Record Keeping and Reporting Requirements

6.2.4 The Permittee shall retain monthly records of natural gas usage in combustion turbines CT6A, CT6B, CT7A, CT7B, CT8A, CT8B, CT9A, and CT9B, and duct burners DB6A, DB6B, DB7A, DB7B, DB8A, DB8B, DB9A, and DB9B. The records shall be available for inspection or submittal to the Division upon request.
[391-3-1-.02(6)(b)1.(i); 40 CFR 52.21; 40 CFR 60.334(a) for combustion turbines]

6.2.5 The Permittee shall include a certification, in the quarterly reports required by Condition 5.3.1, that the duct burners noted in Condition 3.3.10 were only fired on natural gas in order to satisfy the opacity and sulfur dioxide emissions reports required by 40 CFR 60.49a.
[391-3-1-.03(2)(c); 40 CFR 60.49a (subsumed for SO_2 and opacity)]

6.2.6 For any periods for which NOx emissions data are not available, the Permittee shall submit a signed statement to the Division, as part of the reports required by Condition 5.3.1, indicating if any changes were made in operation of the emission control system during the period of data unavailability. Operations of the control system and affected facilities noted in Condition 3.3.10, during periods of data unavailability are to be compared with operation of the control system and affected facility before and following the period of data unavailability.
[40 CFR 52.21; 40 CFR 60.49a(f) for duct burners (subsumed)]

6.2.7 The Permittee shall submit a signed statement to the Division as part of the reports required by Condition 5.3.1 indicating whether:
[40 CFR 52.21; 40 CFR 60.49a(g) for duct burners (subsumed)]

a. The required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified in 40 CFR 60.47a(i) and (j).

b. The data used to show compliance was or was not obtained in accordance with approved methods and procedures and is representative of plant performance.

c. The minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable.

d. Compliance with the standard noted in Condition 3.3.15 have or have not been achieved during the reporting period.

6.2.8 For the Continuous Monitoring System Required by Condition 5.2.1(d), if the minimum quantity of emission data as specified in Condition 5.2.7(a) is not obtained for any 30 successive operating days the following information shall be reported to the Division, within 15 days after such occurrence, for that 30-day period.
[40 CFR 52.21 and 40 CFR 60.49a(c) for duct burners (subsumed)]

a. The number of hourly averages available for outlet emission rates (n_o).

b. The standard deviation of hourly averages for outlet emission rates (s_o).

c. The lower confidence limit for the mean outlet emission rate (E_o*).

d. The potential combustion concentration.

e. The ratio of upper confidence limit for the mean outlet emission rate (E_o*) and the allowable emission rate (E_{std}).

6.2.9 The Permittee shall furnish the Division written notification as follows:
[40 CFR 52.21; 40 CFR 60.7]

a. A notification of the actual date of initial startup of each affected facility defined in Condition 3.3.10 postmarked within 15 days after such date.

b. Certification that a final inspection has shown that construction of each affected facility defined in Condition 3.3.10 has been completed in accordance with the application, plans, specifications and supporting documents submitted in support of this permit.

For purposes of this permit, "startup" shall mean the setting in operation of an affected facility for any purpose.

6.2.10 The Permittee shall submit the following information at least 365 days prior to the date that the project phases, defined in Condition Nos. 3.4.7, 3.4.8, and 3.4.9, commence operation as it relates to the NOx offsetting emission reductions:
[391-3-1-.03(2)(c) and 391-3-1-.03(8)(c)]

a. A detailed description of the method or methods to be employed by the source to create the emission reduction;

b. The date the emission reduction occurred or is to occur;

c. The proposed method for ensuring the reductions are permanent and enforceable, including any necessary application to amend the source's operating permit or, in the case of a shutdown of process equipment or an entire source, request for permit revocation.

PART 7.0 OTHER SPECIFIC REQUIREMENTS

7.9 Acid Rain Requirements

7.9.9 SO_2 Allowance Allocations and NO_X Requirements for each affected unit [40 CFR 73 (SO_2) and 40 CFR 76 (NOx)]

EMISSION UNIT ID	EPA ID		2000	2001	2002	2003	2004
CT6A/ DB6A	CT6A/ DB6A	SO_2 allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	0	0	0	0	0
		NO_X limit	This affected unit is not subject to the NO_X requirements in 40 CFR part 76.				

EMISSION UNIT ID	EPA ID		2000	2001	2002	2003	2004
CT6B/ DB6B	CT6B/ DB6B	SO_2 allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	0	0	0	0	0
		NO_X limit	This affected unit is not subject to the NO_X requirements in 40 CFR part 76.				

EMISSION UNIT ID	EPA ID		2000	2001	2002	2003	2004
CT7A/ DB7A	CT7A/ DB7A	SO_2 allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	0	0	0	0	0
		NO_X limit	This affected unit is not subject to the NO_X requirements in 40 CFR part 76.				

			2000	2001	2002	2003	2004
EMISSION UNIT ID CT7B/ DB7B	EPA ID CT7B/ DB7B	SO_2 allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	0	0	0	0	0
		NO_X limit	This affected unit is not subject to the NO_X requirements in 40 CFR part 76.				

			2000	2001	2002	2003	2004
EMISSION UNIT ID CT8A/ DB8A	EPA ID CT8A/ DB8A	SO_2 allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	0	0	0	0	0
		NO_X limit	This affected unit is not subject to the NO_X requirements in 40 CFR part 76.				

			2000	2001	2002	2003	2004
EMISSION UNIT ID CT8B/ DB8B	EPA ID CT8B/ DB8B	SO_2 allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	0	0	0	0	0
		NO_X limit	This affected unit is not subject to the NO_X requirements in 40 CFR part 76.				

			2000	2001	2002	2003	2004
EMISSION UNIT ID CT9A/ DB9A	EPA ID CT9A/ DB9A	SO_2 allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	0	0	0	0	0
		NO_X limit	This affected unit is not subject to the NO_X requirements in 40 CFR part 76.				

			2000	2001	2002	2003	2004
EMISSION UNIT ID CT9B/ DB9B	EPA ID CT9B/ DB9B	SO_2 allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	0	0	0	0	0
		NO_X limit	This affected unit is not subject to the NO_X requirements in 40 CFR part 76.				

Note: The number of allowances allocated to Phase II affected units by U.S. EPA may change as a result of revisions to 40 CFR Part 73. In addition, the number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. Neither of the aforementioned conditions necessitate a revision to the unit SO_2 allocations identified in this Permit (See 40 CFR 72.84).

7.14 Specific Conditions

7.14.1 Based on the results of the performance testing required by Condition Nos. 4.2.2 (g) - (l), the Division reserves the right to amend the provisions of this Permit to add and/or revise the limits on pollutant emission rates, hours of operation, amounts of raw material used, and amounts of finished product produced, as necessary to preclude the source from subjection to Georgia Rule 391-3-1-.02(9)(b)16.

Attachments

A. List of Standard Abbreviations and List of Permit Specific Abbreviations
C. List of References
D. U.S. EPA Acid Rain Program Phase II Permit Application

ATTACHMENT A

List Of Standard Abbreviations

AIRS	Aerometric Information Retrieval System
APCD	Air Pollution Control Device
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
BTU	British Thermal Unit
CAAA	Clean Air Act Amendments
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CMS	Continuous Monitoring System(s)
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
dscf / dscm	Dry standard cubic foot / dry standard cubic meter
EPA	United States Environmental Protection Agency
EPCRA	Emergency Preparedness and Community Right to Know Act
gr	Grain(s)
GPM (gpm)	Gallons per minute
H_2O (H2O)	Water
HAP	Hazardous Air Pollutant
HCFC	Halogenated Chlorofluorocarbon
MACT	Maximum Achievable Control Technology
MMBtu	Million British Thermal Units
MVAC	Motor Vehicle Air Conditioner
MW	Megawatt
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOx	Nitrogen Oxides
NSPS	New Source Performance Standards
OCGA	Official Code of Georgia Annotated
PM	Particulate Matter
PM10 (PM_{10})	Particulate Matter less than 10 micrometers
PPM (ppm)	Parts per million
PSD	Prevention of Significant Deterioration
RACT	Reasonably Available Control Technology
RMP	Risk Management Plan
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO2 (SO_2)	Sulfur Dioxide
USC	United States Code
VOC	Volatile Organic Compound

List of Permit Specific Abbreviations

ESP	Electrostatic Precipitator
PCB	Polychlorinated Biphenyl
DLN	Dry Low NOx
SCR	Selective Catalytic Reduction
HRSG	Heat Recovery Steam Generator
ng	nanograms
J	Joule
MMBtu	million Btus

ATTACHMENT C

LIST OF REFERENCES

1. The Georgia Rules for Air Quality Control Chapter 391-3-1. All Rules cited herein which begin with 391-3-1 are State Air Quality Rules.

2. Title 40 of the Code of Federal Regulations; specifically 40 CFR Parts 50, 51, 52, 60, 61, 63, 64, 68, 70, 72, 73, 75, 76 and 82. All rules cited with these parts are Federal Air Quality Rules.

3. ***Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch,*** Procedures for Testing and Monitoring Sources of Air Pollutants.

4. ***Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch,*** Procedures for Calculating Air Permit Fees.

5. **Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources**. This information may be obtained from EPA's TTN web site at *www.epa.gov/ttn/chief/ap42.html*.

6. The latest properly functioning version of EPA's **TANKS** emission estimation software. The software may be obtained from EPA's TTN web site at *www.epa.gov/ttn/chief/tanks.html*.

7. The Clean Air Act (42 U.S.C. 7401 et eq).

8. White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995 (White Paper #1).

9. White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program, March 5, 1996 (White Paper #2).

ATTACHMENT D

U.S. EPA ACID RAIN PROGRAM
PHASE II PERMIT APPLICATION