

Georgia Department of Natural Resources

Environmental Protection Division, Air Protection Branch

4244 International Parkway, Suite 120, Atlanta, Georgia 30354

404/363-7000, Fax: 404/363-7100

Noel Holcomb, Commissioner

Carol A. Couch, Ph. D., Director

SEP 28 2006

J.M. Godfrey
Environmental Affairs Manager
Southern Nuclear Operating Company
42 Inverness Center Parkway
Birmingham, AL 35242

Re: 502(b)(10) Change Application No. TV-16721 dated April 26, 2006
Vogtle Electric Generating Plant, Waynesboro (Burke County)

Dear Mr. Godfrey:

Enclosed is Permit No. 4911-033-0030-V-02-1 for the construction and operation of temporary boiler package for chemical cleaning of steam generators at Vogtle Electric Generating Plant. This permit also serves to acknowledge that this change qualifies as a Section 502(b)(10) change to the Part 70 source. Please note that, except as noted in this amendment, Permit No. 4911-033-0030-V-02-0 is still in full effect.

This permit is not transferable nor is it valid if the processes or equipment involved are modified or changed from the configuration permitted.

Any future construction or modification which may result in air pollution or which would affect permitted air pollution control equipment would require an additional amendment to the Permit. Appropriate application forms will be supplied upon request. The application should be submitted far enough in advance of any critical date to allow time for review, discussion, and revision of plans if necessary.

The following types of correspondence should be sent to the Division personnel indicated:

- Testing: Ross Winne - Program Manager, Industrial Source Monitoring Program
- Monitoring and Compliance (reports): James Easson - Unit Manager, Stationary Source Compliance Program.

If you have any questions or comments concerning this matter, please feel free to contact me at (404) 362-2524 or via email at renee_browne@dnr.state.ga.us

Sincerely,



Renee Browne, P.E.
Environmental Engineer
Stationary Source Permitting Program

c: Lynn Rhodes, SSCP, ISMP



State of Georgia
Department of Natural Resources
Environmental Protection Division
Air Protection Branch



502(b)(10) Permit for Part 70 Source

Permit Attachment No.: 4911-033-0030-V-02-1 **Effective Date:** SEP 28 2006

Facility Name: **Vogle Electric Generating Plant**
7821 River Rd
Waynesboro, Georgia 30830, Burke County

Mailing Address: Southern Nuclear Operating Company
40 Inverness Center Parkway
Birmingham, AL 35242

Parent/Holding Company: Georgia Power Company/Southern Company

Facility AIRS Number: 04-13-033-00030

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 SIP Construction and Operating Permit for:

Installation of temporary boiler package for chemical cleaning of steam generators.

This modification qualifies as a Section 502(b)(10) change to the Part 70 source in accordance with Georgia Air Quality Control Rule 391-3-1-.03(10)(b)(5).

This Permit 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 and Permit No. 4911-033-0030-V-02-0. Unless modified or revoked, this Permit expires upon issuance of the next Part 70 Permit for this source.

This Permit 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. TV-16721 dated April 26, 2006 any other applications upon which this Permit or Permit No. 4911-033-0030-V-02-0 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 is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 6 page(s), which pages are a part of this Permit, and which hereby become part of Permit No. 4911-033-0030-V-02-0.

Director
Environmental Protection Division

502(b)(10) PERMIT FOR PART 70 SOURCE

Vogtle Electric Generating Plant

Permit No.: 4911-033-0030-V-02-1

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PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

The facility will install a temporary boiler package for chemical cleaning of the steam generators. The boiler fires ultra low sulfur, #2 diesel fuel exclusively and has a maximum heat input of 26.2 MMBtu/hr. The boiler will only operate during cleaning and estimated operating time is 250 hours. After cleaning is complete the boiler will be returned to the vendor.

502(b)(10) PERMIT FOR PART 70 SOURCE

Vogtle Electric Generating Plant

Permit No.: 4911-033-0030-V-02-1

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 Additional Emission Units

Emission Units		Specified Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirement/Standard	Corresponding Permit Conditions	ID No.	Description
B01	Temporary Boiler Package	391-3-1-.02(d), 40 CFR 60 Subpart A and Dc, 391-3-1-.03(2)g	3.2.2, 3.2.3, 3.3.3, 3.3.4, 3.4.4, 3.4.5, 6.2, 6.3, 6.4	N/A	N/A

* Generally applicable requirements contained in this permit may also apply to emission units listed above.

3.2 Equipment Emission Caps and Operating Limits

- 3.2.2 The Permittee shall not operate the temporary boiler for more than 250 hours.
[391-3-1-.03(2)(c)]
- 3.2.3 The Permittee shall not allow the temporary boiler to remain onsite equal to or more than 180 consecutive days.
[Avoidance of 40 CFR Part 63 Subpart DDDDD]

3.3 Equipment Federal Rule Standards

- 3.3.2 If construction on any temporary boiler installed at the facility commenced after June 9, 1989, the Permittee shall operate the boiler in compliance with the provisions of 40 CFR Part 60 Subpart Dc - Standards of Performance for Small Industrial - Commercial - Institutional Steam Generating Units.
[40 CFR 60 Subpart Dc]
- 3.3.3 If construction on any temporary boiler installed at the facility commenced after June 9, 1989, the boiler shall be subject to all provisions of New Source Performance Standard 40 CFR 60 Subpart A - "General Provisions."
[40 CFR 60 Subpart A]
- 3.3.4 For a temporary boiler installed at the facility that must meet the requirements of Condition No.s 3.3.2 and 3.3.4, the Permittee shall burn only natural gas, propane, or No. 2 fuel oil (0.5 weight % sulfur) in the boiler.
[40 CFR 60 Subpart Dc and 391-3-1-.02(g) subsumed]

3.4 Equipment SIP Rule Standards

- 3.4.4 During the time of operation, the Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any temporary boiler with rated heat input capacity equal to or greater than 10 million BTU per hour, or equal to or less

502(b)(10) PERMIT FOR PART 70 SOURCE

Vogtle Electric Generating Plant

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than 250 million BTU per hour, constructed after January 1, 1972 in amounts equal to or exceeding $0.5(10/R)^{0.5}$ pounds per million BTU heat input. Where R = heat input of fuel burning equipment in million BTU per hour.

[391-3-1-.02(2)(d)]

- 3.4.5 During the time of operation, the Permittee shall not cause, let, suffer, permit, or allow the emission from any temporary boiler constructed or extensively modified after January 1, 1972, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.

[391-3-1-.02(2)(d)]

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS**6.1 General Record Keeping and Reporting Requirements**

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)
 - i. None required to be reported in accordance with Condition 6.1.4.
- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)
 - i. Any time during which fuel burned in the temporary boiler has a sulfur content greater than 0.5 percent, by weight.
- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
 - i. None required to be reported in accordance with Condition 6.1.4.
- d. If a temporary boiler installed at the facility that must meet the requirements of Condition No.s 3.3.2 and 3.3.4, the Permittee shall submit reports to the Division according to the schedule in Condition 6.1.4. The reports shall contain the following information:

[40 CFR 60 Subpart Dc]

 - i. Calendar dates covered in the reporting period.
 - ii. Records of fuel supplier certification as required in Condition 3.4.5 and a certified statement signed by a responsible official that the records of fuel supplier certifications submitted represent all of the fuel oil combusted during the reporting period.

6.2 Specific Record Keeping and Reporting Requirements

- 6.2.2 For a temporary boiler installed at the facility that must meet the requirements of Condition No.s 3.3.2 and 3.3.4, the Permittee shall retain records of fuel consumption in the temporary boiler for five years after the date and year of record. The records shall be available for inspection or submittal to the Division upon request and contain:
[40 CFR 60 Subpart Dc]
- a. Name of the fuel oil supplier and a certification from the fuel oil supplier that each fuel shipment meets the specifications for distillate oil in 40 CFR 60.41c.
 - b. Quantity of each fuel burned per month.
- 6.2.3 The Permittee shall maintain a log indicating the date of construction, heat input per hour, and the dates of operation for a temporary boiler.
[391-3-1-.03(2)(c)]
- 6.2.4 The Permittee shall submit to the Division a report of a startup and shutdown for the temporary boiler. The report shall contain the following information:
[391-3-1-.03(2)(c)]
- a. Calendar date of startup and shutdown.
 - b. Duration of startup and shutdown.

PART 7.0 OTHER SPECIFIC REQUIREMENTS

7.5 Temporary Sources Associated with this Modification
[391-3-1-.03(10)(d)5 and 40 CFR 70.6(e)]

- 7.5.1 The facility will install a temporary boiler package for chemical cleaning of the steam generators during the outage period. The temporary boiler package will operate for 250 hours estimated operating time.