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June 29, 2012

Mr. Kenneth Jackson  
Greenville Hospital System  
701 Grove Road  
Greenville, SC 29605

Re: Coverage to Operate Under the Terms and Conditions of the General Conditional Major Operating Permit for Fuel Combustion Operations

Dear Mr. Jackson:

Enclosed is the General Conditional Major Operating Permit for Fuel Combustion Operations that became effective on April 01, 2011. The federally enforceable emissions limitations and operational requirements contained within this General Conditional Major Operating Permit are designed to restrict this facility's potential to emit to below major source thresholds. This renewed General Conditional Major Operating Permit will be valid through March 31, 2021. Your facility's coverage under the terms and conditions of this permit shall be effective on June 29, 2012.

Please be advised that a new periodic reporting period begins upon the effective coverage date of this renewed permit. Abbreviated periodic reports shall be completed and submitted in accordance with the previous permit's conditions and shall cover the interim period between the previous permit reporting period and the renewed permit reporting period. Reports required under the terms and conditions of this renewed Conditional Major Operating Permit must be completed and submitted in a timely manner in accordance with the periodic reporting schedule found in Part 4.B of this permit. The Department has developed an Excel spreadsheet that may help you in maintaining "Fuel Usage Records for General Conditional Major Operating Permit Reporting," which can be found at the following web site address:

[http://www.scdhec.gov/environment/baq/docs/permitting/GPermitApps/Fuel\\_Record\\_Reporting\\_Worksheet.xls](http://www.scdhec.gov/environment/baq/docs/permitting/GPermitApps/Fuel_Record_Reporting_Worksheet.xls)

It is important for you and/or an authorized representative responsible for the overall operation of this facility to read this issued permit carefully and to understand all requirements. If any errors or omissions are discovered, please notify Charles P. Beam, P.E. of my staff, via e-mail at beamcp@dhec.sc.gov, or call 803-898-9524 immediately.

Pursuant to the South Carolina Administrative Procedures Act, any Department decision involving the issuance, denial, suspension, or revocation of a permit or certification may be appealed by the applicant, permittee, licensee, or affected person. Please see the enclosed "Notice of Appeal Procedure" for guidelines on filing an appeal.

Sincerely,

Elizabeth J. Basil  
Director, Engineering Services Division  
Bureau of Air Quality

EJB:cpb:kal

Enclosure

cc: Bill Williams, Region 2, Greenville EQC Office  
Permit File: 1200-0145



**ATTACHMENT A**

**Facility Information**

**Greenville Hospital System**

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**D - EQUIPMENT INSTALLED**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Control Devices</b>	<b>Fuels Used</b>	<b>Installation Date</b>	<b>Modification Date</b>	<b>Emission Point ID</b>
B4	36.3 x 10 <sup>6</sup> BTU/HR Superior Boiler Works Boiler (40 CFR 60 Subparts A and Dc)	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.0015% sulfur by wt.	2011	N/A	N/A
B5	36.3 x 10 <sup>6</sup> BTU/HR Superior Boiler Works Boiler (40 CFR 60 Subparts A and Dc)	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.0015% sulfur by wt.	2011	N/A	N/A
B6	36.3 x 10 <sup>6</sup> BTU/HR Superior Boiler Works Boiler (40 CFR 60 Subparts A and Dc)	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.0015% sulfur by wt.	2011	N/A	N/A
B7	36.3 x 10 <sup>6</sup> BTU/HR Superior Boiler Works Boiler (40 CFR 60 Subparts A and Dc)	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.0015% sulfur by wt.	2011	N/A	N/A
ETO	Ethylene Oxide Sterilizer for heat sensitive surgical equipment	N/A	N/A	1970	1998	ETO

N/A – Not Applicable

**E - EXEMPT SOURCES**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation Date</b>	<b>Modification Date</b>	<b>Basis</b>
WH1	1.34 x 10 <sup>6</sup> BTU/HR natural gas-fired water heater No. 1	1991	N/A	SC Regulation 61-62.1, Section II (B)(2)(h)
WH2	1.8 x 10 <sup>6</sup> BTU/HR natural gas-fired water heater No. 2	1991	N/A	SC Regulation 61-62.1, Section II (B)(2)(h)
LCH1	3.99 x 10 <sup>5</sup> BTU/HR natural gas-fired RayPak water heater	2010	N/A	SC Regulation 61-62.1, Section II (B)(2)(h)
ISC WH3	1.0 x 10 <sup>6</sup> BTU/HR Lochinear Corporation natural gas fire tube boiler	1991	N/A	SC Regulation 61-62.1, Section II (B)(2)(b)

# ATTACHMENT A

## Facility Information

### Greenville Hospital System

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#### E - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
EG1	1,100 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	2001	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EG4	1,000 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	1994	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EG5	1,000 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	1994	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EG6	1,100 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	2005	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EG7	20 kW Kohler natural gas-fired emergency generator	Pre-2005	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
EG8	1,086 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	1991	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EG9C	125 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	2010	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
EG10	250 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	1982	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EG15	200 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	2000	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EG16	1,000 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	2012	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EG17	300 kW Caterpillar No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	2012	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EGX	35 kW Kohler No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	Pre-2005	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
EGY	125 kW No. 2 fuel oil (max. 0.0015% sulfur by wt.) fired emergency generator	Pre-2005	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
I-ESC	Nine (9) natural gas fired HVAC units totaling 7.8 x 10 <sup>5</sup> BTU/hr	Pre-2005	N/A	SC Regulation 61-62.1, Section II (B)(2)(b)
I-PH	Paint Hood	---	N/A	SC Regulation 61-62.1, Section II (B)(2)(h)
I-WH	Welding Hood	---	N/A	SC Regulation 61-62.1, Section II (B)(2)(h)
I-CS	Carpentry Shop	---	N/A	SC Regulation 61-62.1, Section II (B)(2)(h)
EX-K	Two (2) 40,000 gallon ultra low sulfur diesel above-ground storage tanks	2011	N/A	SC Regulation 61-62.1, Section II (B)(2)(h)

N/A – Not Applicable

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Facility Information

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F - CONDITIONS

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
F.1	B4 – B7	40 CFR 63 NESHAP Subpart JJJJJ	<p><b>Limits/Standards:</b> These boilers are permitted to burn natural gas and No. 2 fuel oil. However, in accordance with 40 CFR 63.11195(e), if the gas-fired boiler, as defined in 40 CFR 63.11237, burns natural gas as primary fuel and burns No. 2 fuel oil only during natural gas curtailment, gas supply emergency, or periodic testing on liquid fuel (not to exceed a combined total of 48 hours during any calendar year), the source is not subject to 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and JJJJJ – Industrial, Commercial, and Institutional Boilers Area Sources. If the gas fired boiler uses fuel oil outside of natural gas curtailment, gas supply emergency, or during periodic testing on liquid fuel as defined in 40 CFR 63.11237, the boiler will be subject to Subpart JJJJJ.</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> Not required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall record and maintain records of the amounts of fuel combusted by each boiler (B4 – B7). The amount of fuel combusted shall be recorded monthly.</p>

# ATTACHMENT B

## Modeled Emission Rates

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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards.

AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2					
Emission Point ID	Modeled Emission Rates (lbs/hr)				
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>
B4	--	0.182	0.182	0.073	--
B5	--	0.182	0.182	0.073	--
B6	--	0.182	0.182	0.073	--
B7	--	0.182	0.182	0.073	--

AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2					
Emission Point ID	Modeled Emission Rates (lbs/hr)				
	CO	Lead	HF	NO <sub>2</sub>	
B4	1.416	0.0003	--	1.071	
B5	1.416	0.0003	--	1.071	
B6	1.416	0.0003	--	1.071	
B7	1.416	0.0003	--	1.071	

CLASS II PREVENTION OF SIGNIFICANT DETERIORATION - STANDARD NO. 7					
Emission Point ID	Modeled Emission Rates (lbs/hr)				
	PM <sub>2.5</sub>	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	
B4	0.182	0.182	--	--	
B5	0.182	0.182	--	--	
B6	0.182	0.182	--	--	
B7	0.182	0.182	--	--	