

ATTACHMENT A

Facility Information

Palmetto Health Baptist

GCM-1900-0044

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D - EQUIPMENT INSTALLED

Equipment ID	Equipment Description	Control Device	Fuels Used	Installation Date	Modification Date	Emission Point ID
02425	14.65 million BTU/hr Fire Tube Cleaver Brooks Boiler #1 NSPS A and Dc	None	No. 2 Diesel (≤0.0015% sulfur content) Natural Gas	9/2003	None	Boiler #1
02064	20.9 million BTU/hr Fire Tube Cleaver Brooks Boiler #2	None	No. 2 Diesel (≤0.0015% sulfur content) Natural Gas	1973	2003	Boiler #2
05449	14.65 million BTU/hr Fire Tube Cleaver Brooks Boiler #3 NSPS A and Dc	None	No. 2 Diesel (≤0.0015% sulfur content) Natural Gas	9/2003	None	Boiler #3
07423	14.65 million BTU/hr Fire Tube Cleaver Brooks Boiler #6 NSPS A and Dc	None	Natural Gas	1994	None	Boiler #6

F - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
02426	0.399 million BTU/hr Fire Tube Ventura Boiler #4 (Fuels Used – No. 2 Diesel ≤0.0015% sulfur content and Natural Gas)	2004	None	SC Regulation 61-62.1, Section II(B)(2)(a)
02427	2.396 million BTU/hr Fire Tube Weil McLean Boiler #5 (Fuel Used – Natural Gas)	7/24/1992	None	SC Regulation 61-62.1, Section II(B)(2)(b)
KatoLight 1	1528 HP Four Stroke Spark KatoLight Generator (Fuel Used – No. 2 Diesel; ≤0.0015% sulfur content)	9/2005	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
KatoLight 2	1528 HP Four Stroke Spark KatoLight Generator (Fuel Used – No. 2 Diesel; ≤0.0015% sulfur content)	9/2005	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Cummins 1	1350 HP Four Stroke Spark Cummins Generator (Fuel Used – No. 2 Diesel; ≤0.0015% sulfur content)	8/1989	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Cummins 2	1350 HP Four Stroke Spark Cummins Generator (Fuel Used – No. 2 Diesel; ≤0.0015% sulfur content)	8/1989	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Detroit Diesel	750 HP Two Stroke Spark Detroit Generator (Fuel Used – No. 2 Diesel; ≤0.0015% sulfur content)	6/1993	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)

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F - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
Tank 1	12,000 gallon No. 2 Fuel Oil Tank	7/11/91	None	SC Regulation 61-62.1, Section II(B)(2)(h)
Tank 2	15,000 gallon No. 2 Fuel Oil Tank	4/26/1989	None	SC Regulation 61-62.1, Section II(B)(2)(h)
Tank 3	1,000 gallon No. 2 Fuel Oil Tank	7/14/1992	None	SC Regulation 61-62.1, Section II(B)(2)(h)
Sterilizers	Four Sterilizers (Steam)	2006	None	SC Regulation 61-62.1, Section II(B)(2)(g)

G - CONDITIONS

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
G.1	Facility Wide	SO ₂ NO _x	Palmetto Health Baptist (1900-0044) and Palmetto Health Richland (1900-0062) are considered to be co-located. Combined emissions from both Palmetto Health Baptist and Palmetto Health Richland facilities shall be used to determine compliance with the facility wide emission limits established under the General Conditional Major Operating Permit for Fuel Combustion Operations.

ATTACHMENT B

Modeled Emission Rates

Palmetto Health Baptist

GCM-1900-0044

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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 ₁₀	SO ₂	NO _x	CO
Boiler #1 (14.65 million Btu/hr, inst. 2004, nat. gas/No. 2 fuel oil)	0.352	0.352	7.54	3.64	2.2
Boiler #2 (20.9 million Btu/hr, inst. 1972, nat. gas/No. 2 fuel oil)	0.4926	0.3434	10.599	2.986	1.756
Boiler #3 (14.65 million Btu/hr, inst. 2004, nat. gas/ No. 2 fuel oil)	0.352	0.352	7.54	3.64	2.2
Boiler #4 (14.65 million Btu/hr, inst. 1995, nat. gas only)	0.111	0.111	0.009	1.465	1.231
Boiler #5 (1.75 million Btu/hr, inst. 1987, nat. gas only)	0.013	0.013	0.001	0.175	0.147
Boiler #6 (2.396 million Btu/hr, inst. 1992, nat. gas only)	0.018	0.018	0.001	0.24	0.201

CLASS II PREVENTION OF SIGNIFICANT DETERIORATION - STANDARD NO. 7			
Emission Point ID	Modeled Emission Rates (lbs/hr)		
	PM ₁₀	SO ₂	NO _x
Boiler #1 (14.65 million Btu/hr, inst. 2004, nat. gas/No. 2 fuel oil)	0.352	7.54	3.64
Boiler #3 (14.65 million Btu/hr, inst. 2004, nat. gas/ No. 2 fuel oil)	0.352	7.54	3.64
Boiler #4 (14.65 million Btu/hr, inst. 1995, nat. gas only)	0.111	0.009	1.465
Boiler #5 (1.75 million Btu/hr, inst. 1987, nat. gas only)	0.013	0.001	---
Boiler #6 (2.396 million Btu/hr, inst. 1992, nat. gas only)	0.018	0.001	0.24
Old Boiler #1 (20.9 million Btu/hr, inst. 1963, nat. gas/No. 2 fuel oil)	-0.299	-10.599	-2.986
Old Boiler #3 (20.9 million Btu/hr, inst. 1963, nat. gas/No. 2 fuel oil)	-0.299	-10.599	-2.986

March 30, 2011

Mr. Philip Lown
Palmetto Health Baptist
Taylor at Marion Streets
Columbia, SC 29201

Re: Renewal of Coverage to Operate Under the Terms and Conditions of the General Conditional Major Operating Permit for Fuel Combustion Operations No. GCM-1900-0044 for Palmetto Health Baptist at Taylor at Marion Street, Columbia, SC 29201.

Dear Mr. Lown:

Enclosed is a renewed General Conditional Major Operating Permit for Fuel Combustion Operations No. GCM-1900-0044 that will become 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.

Please be advised that 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/GCMP_Fuel_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 Alyson M. Hayes of my staff, via e-mail at hayesam@dhec.sc.gov, or call 803-898-3836 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:amh:drc

Enclosure

cc: Ben Buchanan, Region 3, Columbia EQC Office
Permit File: 1900-0044