

ATTACHMENT A

Facility Information

Palmetto Health Richland

GCM-1900-0062

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GENERAL INFORMATION

A - APPLICABLE PERMIT DATES

ISSUED DATE: March 30, 2011
EFFECTIVE COVERAGE DATE: April 1, 2011
EXPIRATION DATE: March 31, 2021

B - FACILITY INFORMATION

FEDERAL EMPLOYER IDENTIFICATION NO.: 58-2296052
SIC CODE(S): 8062
NAICS CODE(S): 622110
EPA (AIRS) FACILITY ID NUMBER: 4507900062

C - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 5 Richland Medical Park
CITY, STATE, ZIP FACILITY IS LOCATED IN: Columbia, South Carolina 29203
COUNTY FACILITY IS LOCATED IN: Richland

RECORD OF REVISIONS FOR GCM-1900-0062		
Revision Number	Final Revision Date	Description of Change
1	03/20/2013	Update Exempt Source List.

Send copies of all revisions to Permit File and Regional EQC Office.

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D - EQUIPMENT INSTALLED

Equipment ID	Equipment Description	Control Device	Fuels Used	Installation Date	Modification Date	Emission Point ID
Boiler 1	52.5 million BTU/hr Cleaver Brooks Boiler	None	No. 6 Fuel Oil (≤0.455% sulfur content) Natural Gas	1972	None	Boiler 1
Boiler 2	25.2 million BTU/hr Stone Johnstone Boiler	None	No. 2 Fuel Oil (≤0.4% sulfur content) Natural Gas	1985	Replaced burner assembly after 6/25/2004	Boiler 2
Boiler 3	33.5 million BTU/hr Cleaver Brooks Boiler NSPS A and Dc	None	No. 2 Fuel Oil (≤0.4% sulfur content) Natural Gas	1997	None	Boiler 3

F - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
Gen #1	Cummins 2000 Kw Model # P10k632470, Serial # 0856878/01, Location: Medical Park 13B	2011	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Gen #2	Cummins 2000 Kw Model # P10k632480, Serial # 0856878/02, Location: Medical Park 13B	2011	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Gen #3	Cummins 2000 Kw Model # P10k632490, Serial # 0856878/03, Location: Medical Park 13B	2011	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Gen #4	Cummins 2000 Kw Model # P10k632450, Serial # 0856874/01, Location: Medical Park 13B	2011	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Gen #5	Cummins 2000 Kw Model # P10k632460, Serial # 0856874/02, Location: Medical Park 13B	2011	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Gen #6	Cummins 2000 Kw Model # QSK60-G6, Serial # 33149886, Location: Medical Park 6 (Heart Hospital)	6/2003	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Gen #7	Cummins 2250 Kw Model # 33156022, Serial # 33156022, Location: Medical Park 6 (Heart Hospital)	1/2005	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)
Gen #8	Cummins 200 Kw Model # 200RO071, Serial # 320757, Location: Medical Park 11 (Richland Springs)	1992	None	SC Regulation 61-62.1, Section II(B)(2)(f)(ii)

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G - CONDITIONS

Condition Number	Equipment/Control Device ID	Regulated Pollutant/Standard	Conditions
G.1	Facility Wide	SO ₂ NO _x	Palmetto Health Richland (1900-0062) and Palmetto Health Baptist (1900-0044) are considered to be co-located. Combined emissions from both Palmetto Health Richland and Palmetto Health Baptist 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.
G.2	Boiler 1 Boiler 2 Boiler 3	Fuel Usage	<p>Limits/Standards: In order to demonstrate compliance with SC Regulation 61-62.5, Standard 2, Ambient Air Quality Standards, Boiler 1 is limited to 25 lb/hr of SO₂. It is permitted to burn either natural gas or No. 6 fuel oil with a maximum sulfur content of 0.455% by weight as fuel. Boilers 2 and 3 are permitted to burn either natural gas or No. 2 fuel oil with a maximum sulfur content of 0.4% by weight as fuel. Boiler 1 can only fire oil when Boilers 2 or 3 are not firing oil. Boilers 2 and 3 can only fire No. 2 oil when Boiler 1 is not firing oil. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p>Testing: Not Required</p> <p>Monitoring/Record Keeping/Reporting/Other: (Boilers 1, 2, & 3) The facility shall record the start-up / shut-down of each boiler, along with the type of fuel used for operation. These records shall be maintained on site.</p> <p>(Boiler 1) To demonstrate compliance with the 25 lb/hr SO₂ limit, the owner/operator shall record the sulfur content of the No. 6 fuel and continuously monitor the fuel flow rate (gallons per hour) to the boiler. The owner/operator shall record the average fuel flow rate on an hourly basis. Hourly SO₂ emissions shall be calculated and recorded using AP-42 emission factors. Records of the fuel flow rate and hourly SO₂ emissions shall be maintained onsite.</p>

ATTACHMENT B

Modeled Emission Rates

Palmetto Health Richland

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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	PM₁₀	PM_{2.5}	SO₂	NO_x
Boiler #1 (natural gas)	0.39	0.39	---	0.03	5.2
Boiler #2 (natural gas)	0.19	0.19	---	0.015	0.91
Boiler #3 (natural gas)	0.25	0.25	---	0.02	3.3
Boiler #1 (No. 6 fuel oil)	2.59	2.59	---	25.0*	19.3
Boiler #2 (No. 2 fuel oil)	0.36	0.36	---	10.2*	3.6
Boiler #3 (No. 2 fuel oil)	0.48	0.48	---	13.6*	4.8

AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2				
Emission Point ID	Modeled Emission Rates (lbs/hr)			
	CO	Lead	HF	NO₂
Boiler #1 (natural gas)	4.3	---	---	---
Boiler #2 (natural gas)	2.1	---	---	---
Boiler #3 (natural gas)	2.8	---	---	---
Boiler #1 (No. 6 fuel oil)	1.8	---	---	---
Boiler #2 (No. 2 fuel oil)	0.9	---	---	---
Boiler #3 (No. 2 fuel oil)	1.2	---	---	---

CLASS II PREVENTION OF SIGNIFICANT DETERIORATION - STANDARD NO. 7				
Emission Point ID	Modeled Emission Rates (lbs/hr)			
	PM_{2.5}	PM₁₀	SO₂	NO_x
Boiler #1 (No. 2 Fuel oil)	---	2.59	25	19.3
Boiler #2 (No. 2 Fuel oil)	---	0.36	10.2	3.6
Boiler #3	---	0.47	13.6	4.8
Removed 1250-HP Boiler #0	---	-7.06	-137	---

*SO₂ emissions from Boiler No. 1 are limited to 25 lbs/hr. No. 2 fuel oil sulfur content is limited to 0.4%. Boilers No. 2 and No. 3 can only fire No. 2 fuel oil when Boiler No. 1 is not firing No. 6 fuel oil. Boiler 1 can only fire oil when boilers 2 or 3 are not firing oil.

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John O. Hutto, Sr., MD

March 20, 2013

Mr. Gary Hogue
Palmetto Health Richland
5 Richland Medical Park
Columbia, SC 29203

Re: Modification to Attachment A for the General Conditional Major Operating Permit for Fuel Combustion Operations
No. GCM-1900-0062

Dear Mr. Hogue:

Enclosed is Attachment A to GCM-1900-0062. This modified permit has the same expiration date as the previous General Conditional Major Operating Permit and will remain valid through March 31, 2021. This modified permit is being issued to incorporate changes into your existing Permit as described in the enclosed Record of Revisions.

Please be advised that this facility's periodic reporting period is not affected by this modification. In addition, there have been no changes to the General Conditional Major for Fuel Combustion Operations. It has not been included and you should retain the copy you were previously issued.

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 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:shb:kal
Enclosure

cc: Permit File: 1900-0062

ec: Ben Buchanan, BEHS

Notice of Appeal Procedure
Pursuant to S.C. Code Section 44-1-60

1. This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 calendar days after notice of the decision has been mailed or otherwise sent to the applicant, permittee, licensee and affected persons who have requested in writing to be notified, unless a written request for final review accompanied by a filing fee in the amount of \$100 is filed with the Department by the applicant, permittee, licensee, or affected person.
2. An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a timely written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3393. A filing fee in the amount of \$100 made payable to SC DHEC must also be received by the Clerk within the time allowed for filing a request for final review. However, if a request for final review is filed by facsimile, the filing fee may be mailed to the Clerk of the Board if the envelope is postmarked within the time allowed for filing a request for final review.

Clerk of the Board
SC DHEC
2600 Bull Street
Columbia, SC 29201

3. In order to be timely, a request for final review must be received by the Clerk of the Board within 15 calendar days after notice of the decision has been mailed or otherwise sent to persons entitled to receive notice. If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due. A request for final review will be returned to the requestor if the filing fee is not received on time as described above.
4. The request for final review should include the following:
 - a. the grounds on which the Department's decision is challenged and the specific changes sought in the decision
 - b. a statement of any significant issues or factors the Board should consider in deciding whether to conduct a final review conference
 - c. a copy of the Department's decision for which review is requested
5. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures. If the Board declines in writing to schedule a final review conference, the Department's decision becomes the final agency decision and an applicant, permittee, licensee, or affected person may request a contested case hearing before the Administrative Law Court within 30 calendar days after notice is mailed that the Board declined to hold a final review conference.

The above information is provided as a courtesy; parties are responsible for complying with all applicable legal requirements.