

ATTACHMENT - Facility Information

Palmetto Health Richland

GCM-1900-0062

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GENERAL INFORMATION

A - APPLICABLE PERMIT DATES

COVERAGE DATE: April 1, 2011

B - 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

C - EQUIPMENT INSTALLED

Equipment ID	Equipment Description	Fuels Used	Installation Date	Modification Date	Emission Point ID
Boiler 1	52.5 million BTU/hr Cleaver Brooks Boiler	No. 6 Fuel Oil (≤0.455% sulfur content) Natural Gas	1972	None	Boiler 1
Boiler 2	25.2 million BTU/hr Stone Johnstone Boiler	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	No. 2 Fuel Oil (≤0.4% sulfur content) Natural Gas	1997	None	Boiler 3

D – ADDITIONAL CONDITIONS

The owner/operator must comply with the conditions of the General Conditional Major Operating Permit for Fuel Combustion Operations and any additional conditions listed in this section.

Condition Number	Conditions
D.1	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.
D.2	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 SO ₂ . 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. (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. (Boiler 1) To demonstrate compliance with the 25 lb/hr SO ₂ 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 SO ₂ emissions shall be calculated and recorded using AP-42 emission

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D – ADDITIONAL CONDITIONS

The owner/operator must comply with the conditions of the General Conditional Major Operating Permit for Fuel Combustion Operations and any additional conditions listed in this section.

Condition Number	Conditions
	factors. Records of the fuel flow rate and hourly SO ₂ emissions shall be maintained onsite.

RECORD OF REVISIONS FOR GCM-1900-0062	
Revision Date	Description of Change
04-01-2014	Updated Template and removed exempt source list
10-10-2014	Corrected Coverage date from March 30, 2011 to April 1, 2011
02-06-2015	Updated ATTACHMENT Emission Rates for Ambient Air Standards

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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	Emission Rates (lbs/hr)						
	PM₁₀	PM_{2.5}	SO₂	NO_x	CO	Lead	Gaseous Fluorides (as HF)
Boiler #1 (natural gas)	0.39	---	0.03	5.2	4.3	---	---
Boiler #2 (natural gas)	0.19	---	0.015	0.91	2.1	---	---
Boiler #3 (natural gas)	0.25	---	0.02	3.3	2.8	---	---
Boiler #1 (No. 6 fuel oil)	2.59	---	25.0	19.3	1.8	---	---
Boiler #2 (No. 2 fuel oil)	0.36	---	10.2	3.6	0.9	---	---
Boiler #3 (No. 2 fuel oil)	0.48	---	13.6	4.8	1.2	---	---