

## ATTACHMENT - Facility Information

### Charleston Commissioners of Public Works – Hanahan Water Treatment Plant GCM-0420-0072 Page 1 of 2

#### GENERAL INFORMATION

##### A - APPLICABLE PERMIT DATES

COVERAGE DATE: April 23, 2014

##### B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 1104 Hanahan Road  
CITY, STATE, ZIP FACILITY IS LOCATED IN: Hanahan, SC 29406  
COUNTY FACILITY IS LOCATED IN: Berkeley

##### C - EQUIPMENT INSTALLED

Equipment ID	Equipment Description	Fuels Used	Installation Date	Modification Date	Emission Point ID
15	6.82 million Btu/hr generator No. 15 (2000 kW, 2160 HP) in Gibson Building	No. 2 Fuel Oil (≤0.05% sulfur)	1996	N/A	Gen 15
16	8.53 million Btu/hr Caterpillar model 3516-HD generator (2500 kW, 3294 HP); (NSPS Subparts A, IIII)	No. 2 Fuel Oil (≤0.05% sulfur)	2007	N/A	Gen 16
17	8.53 million Btu/hr Caterpillar model 3516-HD generator (2500 kW, 3294 HP); (NSPS Subparts A, IIII)	No. 2 Fuel Oil (≤0.05% sulfur)	2007	N/A	Gen 17

##### 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	The diesel generator units are limited to 720 hours/year/unit operating level in order to comply with SC Regulation 61-62.5, Standards No. 7, regarding ambient air increments. An elapsed time meter shall be installed and maintained on each generator to indicate, in cumulative hours, the elapsed operating time of the standby power generators. The owner/operator must record the actual operating hours hourly and maintain these records on site for a period of at least five (5) years from the date generated. Any increase in allowable emission rate must be approved by the Bureau of Air Quality and may require re-modeling to demonstrate compliance with the above listed standard(s). These records shall be made available to a Department representative upon request. Annual reports including all recorded parameters shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality postmarked no later than 30 calendar days after the end of the reporting period.
D.2	It has been determined that this facility is subject to S.C. Regulation 61-62.68, Chemical Accident Prevention Provisions, due to in-process storage or use of a regulated substance in quantities above the specified threshold and that a Risk Management Plan (RMP) has already been submitted to the EPA; therefore, the following must be completed: <ul style="list-style-type: none"> <li>• Submittal of subsequent revisions/corrections/updates of the RMP in accordance with S.C. Regulation 61-62.68.190 and 68.195.</li> <li>• For Program 1 processes, the owner/operator shall submit along with the RMP the certification statement provided in Section 68.12(b)(4). For all other covered processes, the owner/operator shall submit along with the RMP a single certification that, to the best of the signer's knowledge, information, and belief formed after reasonable inquiry, the information submitted is true, accurate, and complete.</li> </ul>

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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.

<b>Condition Number</b>	<b>Conditions</b>
	If it is determined by the implementing agency (or other delegated authority) that additional relevant information is needed, this facility will be required to submit the information in a timely manner.
D.3	Fugitive Particulate (PM) emissions from material handling, process equipment, control equipment, or storage piles will be minimized to the maximum extent possible. This will include proper maintenance of the control system such as scheduled inspections, replacement of damaged or worn parts, etc. Fugitive emissions from dust buildup will be controlled by proper housekeeping and/or wet suppression.

<b>RECORD OF REVISIONS</b>	
<b>Revision Date</b>	<b>Description of Change</b>
02-06-2015	Updated Attachment Emission Rates for Ambient Air Standards

**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 (see Ambient Air Standards Requirements).

<b>AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2</b>							
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>						
	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>Lead</b>	<b>Gaseous Fluorides (as HF)</b>
GEN1	0.42	--	2.43	1.18	3.30	--	--
GEN4	0.42	--	2.43	1.18	3.30	--	--
GEN11	1.12	--	6.47	3.16	8.80	--	--
GEN12	1.12	--	6.47	3.16	8.80	--	--
GEN14	1.12	--	6.47	3.16	8.80	--	--
GEN15	1.88	--	1.09	5.29	14.75	--	--
GEN16	1.10	--	1.36	2.81	19.29	--	--
GEN17	1.10	--	1.36	2.81	19.29	--	--
Fluoride Tank	--	--	--	--	--	--	0.0022

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>		
<b>POLLUTANT</b>	<b>CAS NUMBER</b>	<b>Facility Wide Emission Rates (lbs/day)</b>
Phosphoric Acid	7664-38-2	0.012
Sodium Hydroxide	1310-73-2	0.466