



## **Bureau of Air Quality Title V Operating Permit**

**SCE&G Wateree Station  
Highway 601  
Eastover, South Carolina 29044  
Richland County**  
(Permit Updated 1/13/17)

In accordance with the provisions of the *Pollution Control Act*, Sections 48-1-50(5) and 48-1-110(a), the 1976 *Code of Laws of South Carolina*, as amended, and *South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards*, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the Title V permit application received on March 31, 2011, as amended.

The operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

**Permit Number: TV-1900-0013**

**Issue Date: September 16, 2014**  
**Expiration Date: December 31, 2019**

**Effective Date: January 1, 2015**  
**Renewal Due Date: June 30, 2019**

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**Engineering Services Division  
Bureau of Air Quality**

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RECORD OF REVISIONS		
Date	Type	Description of Change
7/28/15	MM	Changed equipment description for equipment ID FA-1 in table B.6 Equipment For Emission Unit ID 05 – Ash Handling Operations to list the new fly ash vacuum system. Clarified testing portion of Conditions C.29 and C.30.
9/15/15	MM	Added limited use boiler language to Section G. NESHAP-Conditions and updated Condition C.16.
12/1/15	AA	Added NESHAP 5D applicability condition to Section G. NESHAP-Conditions which was inadvertently removed when processing previous MM and added NESHAP 5D to Section F. NESHAP Periodic Reporting Schedule Summary table.
2/29/16	MM	The new fly ash vacuum system, adding fly ash silo, and adding fly ash truck loading chute resulted in changes to equipment descriptions in table B.6 Equipment For Emission Unit ID 05 – Ash Handling Operations and changes to control device descriptions in table B.7 Control Device(s) For Emission Unit ID 05 – Ash Handling Operations. Also, all applicable conditions were updated to include the new equipment and controls.
1/13/17	MM	Removed “voluntary” from control equipment description for CD-FGD in Parts B.2 and B.4. Removed the startup and shutdown exception from the Standard 1 opacity condition C.12. Changed maximum fuel oil sulfur content from 0.25% to 0.0015% in Condition C.19. Added Condition C.34 containing the Data Requirements Rule (40 CFR 51).

AA Administrative Amendment  
MM Minor Modification  
SM Significant Modification

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### A. EMISSION UNIT DESCRIPTION

Emission Unit ID	Emission Unit Description
01	Boiler No. 1
02	Boiler No. 2
03	VOID Emergency generator No. 1-(this has been moved to the insignificant activities list)
04	Auxiliary Boiler No. 1
05	Ash Handling Operations (bulldozers, front-end loaders, dump trucks, landfill, and silos)
06	Coal Handling Operations (bulldozers, conveyors, loadout, dump trucks, and reclaim)
07	Carbon Burnout Plant
08	Limestone and Gypsum Handling Operations (front-end loaders, dump trucks, storage piles, reclaim, conveyors, landfill, and silo)

### B. EQUIPMENT AND CONTROL DEVICE(S)

#### B.1 EQUIPMENT FOR EMISSION UNIT 01 – Boiler No. 1

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
UB1	3,577.5 million Btu/hr nominally rated Coal/Synfuel/No. 2 Fuel Oil Wall Fired Boiler	1968	CD-BH1 CD-SCR1 CD-FGD	UB-1, UB-12

#### B.2 CONTROL DEVICE(S) FOR EMISSION UNIT 01 – Boiler No. 1

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CD-BH1	Baghouse	2002	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-SCR1 <sup>(1)</sup>	Selective Catalytic Reduction	2003	NO <sub>x</sub>
CD-FGD <sup>(2)</sup>	Flue Gas Desulfurization	2008	SO <sub>2</sub> , PM (condensable)

(1) The selective catalytic reduction control device (CD-SCR1) controls NO<sub>x</sub> emissions from Boiler No. 1 and is a voluntary control device.

(2) The flue gas desulfurization control device (CD-FGD) controls SO<sub>2</sub> emissions from both Boiler No. 1 and Boiler No. 2

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### B.3 EQUIPMENT FOR EMISSION UNIT 02 – Boiler No. 2

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
UB2	3,577.5 million Btu/hr nominally rated Coal/Synfuel/No. 2 Fuel Oil Wall Fired Boiler	1968	CD-BH2 CD-SCR2 CD-FGD	UB-2, UB-12

### B.4 CONTROL DEVICE(S) FOR EMISSION UNIT 02 – Boiler No. 2

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-BH2	Baghouse	2002	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-SCR2 <sup>(1)</sup>	Selective Catalytic Reduction	2003	NO <sub>x</sub>
CD-FGD <sup>(2)</sup>	Flue Gas Desulfurization	2008	SO <sub>2</sub> , PM (condensable)

- (1) The selective catalytic reduction control device (CD-SCR2) controls NO<sub>x</sub> emissions from Boiler No. 2 and is a voluntary control device.
- (2) The flue gas desulfurization control device (CD-FGD) controls SO<sub>2</sub> emissions from both Boiler No. 1 and Boiler No. 2.

### B.5 EQUIPMENT FOR EMISSION UNIT 04 – Auxiliary Boiler

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
AXB1	217.9 million Btu/hr nominally rated No. 2 Fuel Oil Fired Auxiliary Boiler	1998	None	AB-1

### B.6 EQUIPMENT FOR EMISSION UNIT 05 – Ash Handling Operations

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
AH-1	Ash Transfer: Bottom Ash Pond Loadout to Haul Trucks	1968	None	AH-1
AH-2	Ash Transfer: Dump Truck Traffic to Ash Pond (Paved and Unpaved)	1968	None	AH-2
AH-3	Bulldozer Operations on Ash Pond	1968	None	AH-3
AH-4	Wind Erosion from Bottom Ash Pond Excavation	1968	None	AH-4
AH-5	Flyash Transfer: Dump Truck Traffic from Unit 1 Silo to Landfill (Paved and Unpaved)	1968	None	AH-5
AH-6	Flyash Transfer: Flyash Haul Truck Offload onto Landfill	1968	None	AH-6

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### B.6 EQUIPMENT FOR EMISSION UNIT 05 – Ash Handling Operations

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
FA-1	Fly Ash Transfer: Baghouse 1 to Ash Storage Silo #1 with vacuum transfer system #1 (filter/separator – mechanical exhausters)	1968/2011/2015	CD-BV1 CD-FS-1	FA-1 FS-1
FA-2	Fly Ash Transfer: Baghouse 2 to Ash Storage Silo #2A with vacuum transfer system #2 (filter/separator – mechanical exhausters)	1968/2002/2016	CD-VF9 CD-FS-2	FA-2 FS-2
FA-3	Fly Ash Transfer: Baghouse 2 to Ash Storage Silo #2B with vacuum transfer system #2 (filter/separator – mechanical exhausters)	1968/2002/2016	CD-VF10 CD-FS-2	FA-3 FS-2
FA-4	Fly Ash Transfer: Feed Silo (CBO)	1998	CD-VF1	FA-4
FA-5	Fly Ash Transfer: Recycle Silo (CBO)	1998	CD-VF2	FA-5
FA-6	Fly Ash Transfer: Urquhart Silo	1998	CD-VF3	FA-6
FA-7	Fly Ash Transfer: McMeekin Silo	1998	CD-VF4	FA-7
FA-8	Fly Ash Transfer: Unit 1 Silo to Dump Truck	1968/2011	CD-WC	FA-8
FA-9	Fly Ash Transfer: Loadout Silos 1 and 2	1998	CD-VF6	FA-9
FA-10	Fly Ash Transfer: Loadout Silos 3 and 4	1998	CD-VF7	FA-10
FA-11	Fly Ash Transfer: Fly Ash Dome	1998	CD-VF5	FA-11
FA-12	Fly Ash Silo #2C with dust collector	2016	None	FA-12
FA-13	Fly Ash Truck Loading Chute with dust collector	2016	None	FA-13

### B.7 CONTROL DEVICE(S) FOR EMISSION UNIT 05 – Ash Handling Operations

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-BV1	Vent Filter	2015	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-FS1	Filter Separator	2016	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-FS2	Filter Separator	2016	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-VF9	Vent Filter	2002	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-VF10	Vent Filter	2002	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-VF1	Vent Filter	1998	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-VF2	Vent Filter	1998	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)

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### B.7 CONTROL DEVICE(S) FOR EMISSION UNIT 05 – Ash Handling Operations

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-VF3	Vent Filter	1998	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-VF4	Vent Filter	1998	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-WC	Wet Ash Conditioner	2011	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-VF6	Vent Filter	1998	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-VF7	Vent Filter	1998	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)
CD-VF5	Vent Filter	1998	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)

### B.8 EQUIPMENT FOR EMISSION UNIT 06 – Coal Handling Operations

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
CH-1	Coal/Synfuel Unloading, Conveying and Crushing via track hoppers, conveyors (C-1,1a, C-2, 2a) and crushers	1968	None	CH-1
CH-4	Coal/Synfuel Tripper System Transfer: transfer from C-2 to C-3 via Trippers and from C-2a to C-3a via Trippers	1968	None	CH-4
CH-5	Coal/Synfuel Transfer: transfer from C-3 Trippers to Short-term Storage Pile and from C-3a Trippers to Short-term Storage Pile	1968	None	CH-5
RC	Underground Reclaim System: Conveyors (C-4, 4a, C-5, 5a, C-6, 6a), Emergency Reclaim 116/121 Feeders, and 5 and 5a Rotary Plows	1968	None	None
CH-11	Coal/Synfuel Transfer: transfer through tower 2A via conveyors C-7 to C-7c and/or C-9 and conveyors C-7a to C-7b and/or 9a	1968	None	CH-11
CH-13	Coal/Synfuel Transfer: transfer through tower 2 via conveyors C-7c to C-8 and C-7b to C-8a	1968	None	CH-13
CH-14	Coal/Synfuel Transfer: via conveyors C-8 to C-10 and C-8a to C-10a	1968	None	CH-14
CH-15	Coal/Synfuel Transfer: via conveyor C-10 to Unit 1 Bunkers and conveyor C-10a to Unit 1 Bunkers	1968	None	CH-15
CH-16	Coal/Synfuel Transfer: via conveyors C-9 to C-11 and C-9a to C-11a	1968	None	CH-16
CH-17	Coal/Synfuel Transfer: via conveyor C-11 to Unit 2 Bunkers and conveyor C-11a to Unit 2 Bunkers	1968	None	CH-17

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**B.8 EQUIPMENT FOR EMISSION UNIT 06 – Coal Handling Operations**

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
CH-18	Bulldozer Operations on Coal Yard	1992	None	CH-18
CH-19	Coal Pile for Coal Storage	1968	None	CH-19
CH-20	Coal/Synfuel Transfer: Coal Storage to Dual Hoppers	2002	None	CH-20
CH-26	Reclaim Hopper transfer to Reclaim Feeder (Underground)	2002	None	None
CH-27	Stacking Tube Feed Conveyor transfer to Reclaim Conveyor (Underground)	2002	None	None
CH-28	Reclaim Conveyor within the Reclaim Tunnel transfer to Conveyor 17 (Underground)	2002	None	None
CH-29	Coal/Synfuel Transfer: conveyor C-17 to Bin and Rail Car Loadout	2002	None	CH-29
CH-30	Coal/Synfuel Transfer: Coal Pile Loadout to Trucks	2002	None	CH-30
CH-31	Coal/Synfuel Truck Traffic – Paved Portion	2002	None	CH-31

**B.9 EQUIPMENT FOR EMISSION UNIT 07 – Carbon Burnout Plant**

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
CBO	Fly Ash Carbon Burn Out Plant (includes Fluidized Bed Combustor)	1998	CD-BAG1	UB-1,UB-2, UB-12

**B.10 CONTROL DEVICE(S) FOR EMISSION UNIT 07 – Carbon Burnout Plant**

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-BAG1	Baghouse/Cyclone	1998	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable and condensable)

**B.11 EQUIPMENT FOR EMISSION UNIT 08 – Limestone and Gypsum Handling Operations**

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
GH-1	Gypsum Transfer: Gypsum Stackout Conveyor	2010	None	GH-1
GH-2	Gypsum Transfer: Stackout Conveyor to Gypsum Storage Pile	2010	None	GH-2
GH-3	Gypsum Pile (wind erosion)	2010	None	GH-3
GH-4	Gypsum Handling: Gypsum Pile Management	2010	None	GH-4

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**B.11 EQUIPMENT FOR EMISSION UNIT 08 – Limestone and Gypsum Handling Operations**

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
GH-5	Gypsum Transfer: Gypsum Haul Truck Loadout	2010	None	GH-5
GH-6	Gypsum Transfer: Haul Trucks on Paved Roads	2010	None	GH-6
GH-7	Gypsum Transfer: Gypsum Haul Truck Offload onto Landfill	2010	None	GH-7
GH-8	Bulldozer Loader Operations on New Landfill	2010	None	GH-8
GH-9	New Landfill (wind erosion from landfill)	2010	None	GH-9
LH-1	Limestone Transfer: Load-in from Delivery Trucks	2010	None	LH-1
LH-2	Limestone Pile (wind erosion)	2010	None	LH-2
LH-3	Limestone Transfer: Loader Operations on Storage Pile	2010	None	LH-3
LH-4	Limestone Transfer: Chain Reclaimer to Silo Fill Conveyor	2010	None	LH-4
LH-5	Limestone Transfer: Delivery Trucks on Paved Roads	2010	None	LH-5
LS-A	Limestone Transfer: Silo Fill Conveyor to Day Silo	2010	CD-VF11	LS-A

**B.12 CONTROL DEVICE(S) FOR EMISSION UNIT 08 – Limestone and Gypsum Handling Operations**

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-VF11	Vent Filter	2010	PM, PM <sub>10</sub> , PM <sub>2.5</sub> (filterable)

**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
C.1	<p><b>Emission Unit ID:</b> All</p> <p><b>Equipment/Control Device ID:</b> All</p> <p>Equipment capacities provided under the Equipment Description column of the Equipment Tables above are not intended to be permit limits unless otherwise specified within the Table of Conditions for the particular equipment. However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.</p>



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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
C.2	<p><b>Emission Unit ID:</b> All</p> <p><b>Equipment/Control Device ID:</b> All</p> <p>(S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least 5 years from the date the record was generated and shall be made available to a Department representative upon request.</p>
C.3	<p><b>Emission Unit ID:</b> All</p> <p><b>Equipment ID/Control Device ID:</b> All</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section X - Non-Enclosed Operations:</p> <ul style="list-style-type: none"> <li>(a) All non-enclosed operations shall be conducted in such a manner that a minimum of particulate matter becomes airborne.</li> <li>(b) The owner/operator of all such operations shall maintain dust control of the premises and any roadway owned or controlled by the owner/operator by paving, or other suitable measures. Oil treatment is prohibited.</li> <li>(c) All crushing, drying, classification and like operations shall employ a suitable control device acceptable to the Department, and shall discharge no more particulate matter than that specified in Section VIII of this Standard.</li> </ul> <p>In accordance with S.C. Regulation 61-62.6 - Control of Fugitive Particulate Matter, Section III - Control of Fugitive Particulate Matter Statewide:</p> <ul style="list-style-type: none"> <li>(a) Emissions of fugitive particulate matter shall be controlled in such a manner and to the degree that it does not create an undesirable level of air pollution.</li> <li>(b) Restrictions and requirements may be contained in operating permits on a case-by-case basis that are deemed appropriate and necessary to control fugitive particulate matter in accordance with reasonably available control technology.</li> <li>(c) No source/plant shall use any method of materials handling which will generate fugitive particulate matter that is not fully described in the permit application.</li> <li>(d) Volatile organic compounds shall not be used for dust control purposes. Oil treatment is also prohibited</li> </ul> <p><b>State Only:</b> No</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b>                      The owner/operator shall prepare a plan to minimize fugitive particulate matter emissions. The plan shall, at a minimum:</p> <ul style="list-style-type: none"> <li>(a) Identify sources that reasonably have the potential to emit fugitive particulate matter. These sources shall include but are not limited to roadways, storage piles, etc.</li> <li>(b) Include steps that the owner/operator takes to minimize fugitive emissions from the identified sources</li> <li>(c) Record episodes of excess fugitive particulate matter emissions</li> <li>(d) Record the corrective actions taken to mitigate emissions during the episode</li> </ul> <p>The plan shall be maintained at the facility, kept up-to-date, and made available to the Department upon request. Plan requirements may be modified if future fugitive emission issues arise.</p>
C.4	<p><b>Emission Unit ID:</b> 05, 06, 08</p> <p><b>Equipment ID:</b> AH-1, AH-2, AH-3, AH-4, AH-5, AH-6, FA-2, FA-3, FA-4, FA-5, FA-6, FA-7, FA-11, FA-12, FA-13, FA-1, FA-8, FA-9, FA-10, CH-1, CH-4, CH-5, CH-11, CH-13, CH-14, CH-15, CH-16, CH-17, CH-18, CH-19, CH-20, CH-29, CH-30, CH-31, GH-1, GH-2, GH-3, GH-4, GH-5, GH-6, GH-7, GH-8, GH-9, LH-1, LH-2, LH-3, LH-4, LH-5, LS-A</p> <p><b>Control Device ID:</b> CD-VF9, CD-FS-2, CD-VF10, CD-VF1, CD-VF2, CD-VF3, CD-VF4, CD-VF5, CD-BV1, CD-FS-1, CD-WC, CD-VF6, CD-VF7, CD-VF11</p> <p>Visual inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions.</p> <p>The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.</p> <p>Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. Fugitive sources may be grouped and treated as a single volume source to the extent they are in the same general proximity and compliance is determined based on the more stringent limit. Records shall identify group make-up. Point sources (both controlled and uncontrolled stacks) shall be observed individually.</p>
C.5	<p><b>Emission Unit ID:</b> 01, 02, 06, 08</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p><b>Equipment ID/Control Device ID:</b> UB1/CD-BH1, UB2/CD-BH2, CH-20, CH-29, CH-30, CH-31, GH-1, GH-2, GH-3, GH-4, GH-5, GH-6, GH-7, GH-8, GH-9, LH-1, LH-2, LH-3, LH-4, LH-5, LSA/CD-VF11</p> <p>For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests.</p> <p>Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary.</p> <p>The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test.</p> <p>Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality.</p>
C.6	<p><b>Emission Unit ID:</b> 01, 02, 05, 07, 08</p> <p><b>Equipment ID:</b> UB1, UB2, FA-1, FA-2, FA-3, FA-4, FA-5, FA-6, FA-7, FA-8, FA-9, FA-10, FA-11, CBO, LS-A</p> <p><b>Control Device ID:</b> CD-BH1, CD-BH2, /CD-SCR1, /CD-SCR2, CD-FGD, CD-BV1, CD-FS-1, CD-VF9, CD-FS-2, CD-VF10, CD-VF1, CD-VF2, /CD-VF3, CD-VF4, /CD-WC, CD-VF6, CD-VF7, CD-VF5, CD-BAG1, CD-VF11</p> <p>The owner/operator shall inspect, calibrate, adjust, and maintain continuous monitoring systems, monitoring devices, and gauges in accordance with manufacturer's specifications or good engineering practices. The owner or operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel.</p>
C.7	<p><b>Emission Unit ID:</b> 01, 02, 05, 07, 08</p> <p><b>Equipment ID:</b> UB1, UB2, FA-1, FA-2, FA-3, FA-4, FA-5, FA-6, FA-7, FA-8, FA-9, FA-10, FA-11, CBO, LS-A</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p><b>Control Device ID:</b> CD-BH1, CD-BH2, /CD-SCR1, /CD-SCR2, CD-FGD, CD-BV1, CD-FS-1, CD-VF9, CD-FS-2, CD-VF10, CD-VF1, CD-VF2, /CD-VF3, CD-VF4, /CD-WC, CD-VF6, CD-VF7, CD-VF5, CD-BAG1, CD-VF11</p> <p>All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (i.e., pressure drop readings, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall indicate such.</p> <p>Any alternative method for monitoring control device performance must be preapproved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.</p>
C.8	<p><b>Emission Unit ID:</b> 01, 02, 04</p> <p><b>Equipment/Control Device ID:</b> UB1, UB2, AXB1</p> <p>(S. C. Regulation 61-62.5, Standard No. 5.2) Any existing source where a burner assembly is replaced with another burner assembly after June 25, 2004, regardless of size or age of the burner assembly to be replaced shall be replaced with a low NO<sub>x</sub> burner assembly or equivalent technology, and shall achieve a 30 percent reduction from uncontrolled NO<sub>x</sub> emission levels based upon manufacturer's specifications. An exemption from this requirement shall be granted when a single burner assembly is being replaced in an existing source with multiple burners due to non-routine maintenance. The replacement of individual components such as burner heads, nozzles, or windboxes does not trigger this requirement.</p> <p>The owner or operator shall notify and register the burner assembly replacement with the Department, in writing, within 7 days of replacing the existing burner assembly. Notification will be provided on the Department's <i>Low NO<sub>x</sub> Burner Assembly Replacement Notification</i> Form D-2935. Those affected sources that wish to receive an emission reduction credit for the control device will be required to submit a construction permit application. Those affected sources requesting an alternative control methodology must receive written approval prior to burner replacement.</p> <p>The owner or operator shall perform tune-ups every twenty-four (24) months in accordance with manufacturer's specifications or with good engineering practices. The first tune-up shall be conducted no more than twenty-four (24) months from replacement of a burner assembly for affected existing sources. Each subsequent tune-up shall be conducted no more than twenty-four (24) months after the previous tune-up.</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>All tune-up records are required to be maintained on site and available for inspection by the Department for a period of five (5) years from the date generated.</p> <p>The owner or operator shall develop and retain a tune-up plan on file.</p>
C.9	<p><b>Emission Unit ID:</b> 01, 02, 04, 08, Insignificant Activities</p> <p><b>Equipment ID:</b> UB1, UB2, AXB1, GH-1, GH-2, GH-3, GH-4, GH-5, GH-6, GH-7, GH-8, GH-9, LH-1, LH-2, LH-3, LH-4, LH-5, LS-A, IA-ENG2, IA-ENG3</p> <p><b>Control Device ID:</b> CD-BH1, CD-BH2, CD-VF11</p> <p>All references to NSPS or §60 in this permit, refer to both S.C. Regulation 61-62.60 - "South Carolina Designated Facility Plan And New Source Performance Standards" and Code of Federal Regulations Title 40, Part 60 – "Standards Of Performance For New Stationary Sources."</p> <p>All equipment specified in this permit as being subject to an NSPS are also subject to S.C. Regulation 61-62.60 and 40 CFR 60, Subpart A - General Provisions, and shall comply with all applicable provisions, in addition to those explicitly stated in this permit.</p>
C.10	<p><b>Emission Unit ID:</b> 01, 02</p> <p><b>Equipment ID/Control Device ID:</b> UB1/CD-BH1, UB2/CD-BH2</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section II - Particulate Matter Emissions, the allowable discharge of particulate matter resulting from fuel burning operations is based on the input heat rate of each source. For sources operating below 1,300 Million BTU/hr heat input rate, the limit is 0.6 lb/Million BTU (3 hour block average). For sources operating equal to or above 1,300 Million BTU/hr heat input rate, the limit is expressed as a function of the input heat rate per the following equation:</p> $E = 57.84 P^{-0.637}$ <p>where E = the allowable emission rate in pounds per Million BTU heat input and P = Million BTU heat input per hour</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> The owner/operator shall demonstrate compliance through source testing. Testing shall be conducted semiannually each year during the first and third quarters or during the second and fourth quarters as determined by the established cycle, except for the following alternate schedule. If the source operates under 80 percent of its particulate limit as demonstrated by the three previous consecutive source</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>tests, annual source testing in the same quarter as the previous test is allowed until a source test result greater than 80 percent returns the frequency to semiannual.</p> <p>If any applicable COMs data recorded in a quarter shows exceedances above the opacity standard, the Department may require the permittee to perform additional actions to demonstrate compliance with the particulate matter standard. Actions may include, but are not limited to, additional particulate matter source testing. Unless otherwise directed by the Department, an owner/operator shall conduct a minimum of one particulate matter source test during each Title V year.</p> <p>Particulate matter source testing is to be conducted in accordance with SC Regulation 61-62.1 Section IV.</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall maintain records of site specific source testing at the facility in a permanent form suitable for inspection by Department personnel.</p> <p>The baghouses shall be in place and operational whenever processes controlled by it (Unit 1 Boiler and Unit 2 Boiler) are running, except during periods of baghouse malfunction or mechanical failure at which times the owner/operator shall follow procedures as outlined in SC Regulation 61-62.1 Section II(J). Baghouse operations shall be consistent with the technological limitations, manufacturers' specifications, safety concerns, and good engineering and maintenance practices for the baghouses.</p> <p>The owner/operator shall utilize a plan detailing how to minimize emissions during periods when the baghouses are unable to operate. The plan shall also detail how to minimize emission unit operation during periods in which the baghouse is unable to operate. The owner/operator shall maintain the plan on site and keep records on site demonstrating compliance with the plan.</p>
C.11	<p><b>Emission Unit ID:</b> 01, 02</p> <p><b>Equipment ID/Control Device ID:</b> UB1/CD-FGD, UB2/CD-FGD</p> <p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of SO<sub>2</sub> resulting from each fuel burning source is 2.3 pounds per million BTU heat input (24 hour block average).</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required. Compliance measurements will be determined by the SO<sub>2</sub> CEMS.</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Reports demonstrating compliance with the sulfur dioxide limits shall be submitted semiannually.</p>
C.12	<p><b>Emission Unit ID:</b> 01, 02</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p><b>Equipment ID/Control Device ID:</b> UB1/CD-BH1, UB1/CD-SCR1, UB1/CD-FGD, UB2/CD-BH2, UB2/CD-SCR2, UB2/CD-FGD</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section I – Visible Emissions, any fuel combustion source constructed before February 11, 1971 shall not discharge into the ambient air smoke which exceeds an opacity of forty (40) percent. The forty (40) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity.</p> <p>Owners and operators shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. In addition, the owner or operator shall maintain a log of the time, magnitude, duration, and any other pertinent information to determine periods of startup and shutdown and make available to the Department upon request.</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> The owner or operator shall operate and maintain continuous monitoring system(s) for the measurement of opacity. The monitor shall meet the performance specifications in S.C. Regulation 61-62.5, Standard No. 1, Section IV(D).</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown.</p> <p>The owner/operator shall maintain records and submit quarterly reports as listed in S.C. Regulation 61-62.5, Standard No. 1, Section IV.</p>
C.13	<p><b>Emission Unit ID:</b> 01, 02</p> <p><b>Equipment ID/Control Device ID:</b> UB1/CD-BH1, UB2/CD-BH2</p> <p><b>Limits/Standards:</b> These sources are subject to 40 CFR 64 Compliance Assurance Monitoring (CAM) and shall comply with all applicable provisions.</p> <p>The sources qualify as pollutant-specific emissions units for PM<sub>10</sub> emissions per §64.2(a) CAM, and shall comply with all applicable provisions. To meet the requirements of 40 CFR 64, the owner/operator shall continue to operate and maintain the indicator specified below as the measurement approach:</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition				
	Unit ID/Equip ID/Control ID	Indicator/Condition <i>40CFR64.6(c)(1)(i)</i>	Measurement Approach <i>40CFR64.6(c)(1)(ii)</i>	Averaging Period <i>40CFR64.6(c)(1)(iii)</i>	Excursion Level <i>40CFR64.6(c)(2)</i>
	01/UB1/CD-BH1	Opacity	COMS	3 hour block average	>38%
	02/UB2/CD-BH2	Opacity	COMS	3 hour block average	>38%

The indicators shown shall be used to provide assurance of compliance with each applicable requirement.

An excursion is defined as any continuous opacity monitor system (COMS) data, excluding periods of startup, shutdown and soot-blowing, where the 3-hour block average is equal to or greater than the excursion level. Upon detecting an excursion, the owner or operator shall take corrective action to restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable, in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the duration of any startup, shutdown or malfunction period, and taking necessary corrective action to restore normal operation and prevent the likely recurrence of the cause of an excursion (other than those caused by excused startup and shutdown conditions).

**State Only:** No

**Testing:** The selected indicator and designated condition for the monitored parameter were derived from stack test data, which demonstrates compliant operation of the equipment. QA/QC practices, etc. shall consist of performing performance evaluations and calibration checks for each COMS that meet 40 CFR 60.13 and 40 CFR 60 Appendix B, Performance Specification 1 requirements.

**Monitoring/Record Keeping/Reporting/Other:** A semiannual report for monitoring under 40 CFR 64.9 shall include, at a minimum, the information required under SC Regulation 61-62.70.6(a)(3)(iii) and the following information as applicable:

1. Summary information of the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
2. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero span or other daily calibration checks, if applicable);
3. If applicable, evidence of an effectivity assessment respecting response to excursion events.
4. If applicable, all aspects of the CAM plan(s) that need revision, correction, or addition.
5. If applicable, a description of the actions taken to implement a Quality Improvement Plan (QIP) during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been



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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>completed and reduced the likelihood of similar levels of excursions occurring.</p> <p>The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions and quality improvement plans.</p>
C.14	<p><b>Emission Unit ID/Equipment ID:</b> 01/UB1, 02/UB2</p> <p>This facility is subject to S.C. Regulation 61-62.72, 40 CFR 72, 73, 74, 75, and 76 and the limits specified in Attachment – Title IV Acid Rain Program. The owner/operator shall comply with the monitoring and reporting requirements as provided in 40CFR Parts 74, 75 and 76.</p>
C.15	<p><b>Emission Unit ID/Equipment ID:</b> 01/UB1, 02/UB2</p> <p>This facility is subject to SC Regulation 61-62.96 Nitrogen Oxides (NO<sub>x</sub>) and Sulfur Dioxide (SO<sub>2</sub>) Budget Trading Program and the federal rule entitled 40 CFR 96 NO<sub>x</sub> Budget Trading Program And CAIR NO<sub>x</sub> And SO<sub>2</sub> Trading Programs For State Implementation Plans. The CAIR permit is Attachment – CAIR Permit of this permit. Existing affected units shall comply with the applicable provisions by the compliance dates specified in each Subpart. Any new affected units shall comply with the requirements of these Subparts upon initial start-up, unless otherwise noted.</p>
C.16	<p><b>Emission Unit ID/Equipment ID:</b> 01/UB1, 02/UB2</p> <p>In accordance with 40 CFR 76.11, the Department has approved a NO<sub>x</sub> emissions averaging plan for these units, effective from calendar year 2014 through 2018.</p> <p>Under the plan, the actual BTU-weighted annual average NO<sub>x</sub> emission rate for the units in the plan shall be less than or equal to the BTU-weighted annual average NO<sub>x</sub> emission rate for the same units had they each been operated, during the same period of time, in compliance with the individual applicable emission limitations under 40 CFR 76.5, 76.6, or 76.7, except that for any early election units, the applicable emission limitation shall be under 40 CFR 76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR 76.11(d)(1)(ii)(A) is met for a year under the plan, then these units shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.</p> <p>If the designated representative cannot make the above demonstration (as set forth in 40 CFR 76.11(d)(1)(ii)(A) for a year under the plan and if these units fail to meet the annual average alternative contemporaneous emission limitation of 0.39 lb/Million BTU (each) or have an annual heat input greater than 35,288,800 Million BTU (each), then excess emissions of nitrogen oxides occur during the year at these units. A penalty for excess emissions will be assessed in accordance with 40 CFR 77.6.</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>In addition to the described NO<sub>x</sub> compliance plan, these units shall comply with all other applicable requirements of 40 CFR 76, including the duty to reapply for a NO<sub>x</sub> compliance plan and requirements covering excess emissions.</p>
C.17	<p><b>Emission Unit ID:</b> 01, 02</p> <p><b>Equipment ID/Control Device ID:</b> UB1/CD-BH1, UB1/CD-SCR1, UB1/CD-FGD, UB2/CD-BH2, UB2/CD-SCR2, UB2/CD-FGD</p> <p><b>Limits/Standards:</b> The combustion of any waste is subject to S.C. Regulation 61-62.5, Standard No. 3, as applicable. Any material containing PCBs in a concentration equal to or greater than 50 ppm or meeting the definition of Hazardous Waste, shall not be fired. Combustion of fuels, fuel additives, or modifiers, shall meet the definition of "virgin fuels" or "spec.-oil" as defined by S.C. Regulation 61-62.1, Section I – Definitions. The use of any substance as fuel, except as specific in this permit, is prohibited without advance written approval from the Department.</p> <p>The UB1 and UB2 units are permitted to combust the following materials, alone or in combination:</p> <p align="center">Coal No. 2 fuel oil Activated carbon generated from the water treatment process petroleum contaminated organic media, petroleum contaminated rags, petroleum contaminated absorbents and petroleum contaminated vermiculite/ "oil dri" non-hazardous oil sludge from virgin fuel oil storage tanks Heritage HES Emulsion AMELIZ395 Binder as part of a 0.2% polymer solution Heritage ECS Emulsion AM-ELIZ371 Binder as part of a 0.2% polymer solution Covol Technologies Synthetic Binder as part of a 0.2% polymer solution NALCO 9838 Binder as part of a 0.2% polymer solution Halren J316 v203W LN Binder as part of a 0.75% polymer solution spent boiler cleaning fluid comprised of 1% solution of ammoniated salt of Ethylene Diamine Tetra-acetic Acid (EDTA)</p> <p>Emissions from modified coal combustion shall not be greater than that resulting from combustion of virgin coal.</p> <p><b>On-Site</b> Per S.C. Regulation 61-62.5, Standard 3, Section III (J)(6), sources may combust small quantities of waste that is generated by the owner/operator, not to exceed a waste firing rate of 6% of the unit's design heat input rate. The owner/operator is prohibited from combusting any waste not specifically listed in the permit. An</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>analysis may be required to prove that the material to be burned is one of the substances authorized by the permit.</p> <p><b>Spec. Oil</b> Per S.C. Regulation 61-62.5, Standard 3, Section III (J)(7), owner/operators combusting specification used oil are exempt from the emission limitations listed in Table III of this standard, provided that the permit lists the exact wastes to be combusted and an analysis shows the oil to meet the definition of specification oil as listed in S.C. Regulation 61-62.1, Section I. The specification-used oil can not exceed 1000 ppm total halogen, 100 ppm total lead, 10 ppm total chromium, 2 ppm total cadmium, 5 ppm total arsenic, 120 ppm total nickel, or Flash point of 100 degrees Fahrenheit minimum.</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Prior to burning the oil sludge from virgin fuel storage tanks, the facility shall determine if each source of oil sludge is non-hazardous according to Regulation R. 61-79 and shall contact the Waste Assessment Section of the Bureau of Land and Waste Management with any questions concerning the requirements for disposal.</p> <p>Per S.C. Regulation 61-62.5, Standard 3, Section III (J)(6)(c), the owner/operator shall maintain records of the small quantity of owner/operator generated waste material to be combusted, in appropriate units, and its firing rate.</p> <p>A chemical analysis shall be performed on each waste oil shipment received. Total halogen, total lead, total chromium, total cadmium, total arsenic, and total nickel content compliance shall be demonstrated by chemical analysis on an as fired basis for each shipment unless all shipments are from a single batch; in which case, one analysis from each batch is sufficient. Additionally, a chemical analysis for percent nitrogen, percent sulfur, BTU content, and flash point shall be performed. All shipments or batches shall be certified as complying with the PCB content limit. Records of analysis and certifications shall be maintained by the owner/operator for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request.</p>
C.18	<p><b>Emission Unit ID/Equipment ID:</b> 04/AXB1</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section II - Particulate Matter Emissions, the allowable discharge of particulate matter resulting from fuel burning operations is based on the input heat rate of each source. For sources operating below 1,300 Million BTU/hr heat input rate, the limit is 0.6 lb/Million BTU (3 hour block average). For sources operating equal to or above 1,300 Million BTU/hr heat input rate, the limit is expressed as a function of the input heat rate per the following equation:</p> $E = 57.84 P^{-0.637}$

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>where E = the allowable emission rate in pounds per Million BTU heat input and P = Million BTU heat input per hour</p> <p>In accordance with S.C. Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section I – Visible Emissions, any fuel combustion source constructed on or after February 11, 1971 shall not discharge into the ambient air smoke which exceeds an opacity of twenty (20) percent. The twenty (20) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity.</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The limits set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and operate any source in a manner consistent with good air pollution control practices for minimizing emissions.</p> <p>The owner/operator shall perform a visual inspection on a semiannual basis. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If only natural gas was combusted or if the unit did not operate during the semiannual period, the report shall state so.</p>
C.19	<p><b>Emission Unit ID/Equipment ID:</b> 04/AXB1</p> <p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of SO<sub>2</sub> resulting from this fuel burning source is 2.3 pounds per million BTU heat input (24 hour block average).</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> This unit is permitted to burn only No. 2 fuel oil. The fuel oil sulfur content shall be less than or equal to 0.0015 percent by weight. The use of waste oil, hazardous waste, or any other waste chemical as a fuel shall not be allowed without prior written approval from this Bureau. Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site. Semiannual fuel oil certification summaries shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality. The reports shall consist of the fuel certification records and a signed</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	statement from the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.
C.20	<p><b>Emission Unit ID/Equipment ID:</b> 04/AXB1</p> <p><b>Limits/Standards:</b> This source is subject to New Source Performance Standards (NSPS), 40 CFR 60 Subpart A, General Conditions and Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, and S.C. Regulation 61-62.60 Subparts A and Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, as applicable. The source shall comply with all applicable requirements of Subparts A and Db. In accordance with 40 CFR §60.42b(a), on or after the date on which the performance test is completed or required to be completed under §60.8, whichever date comes first, the owner/operator shall not cause to be discharged into the atmosphere any gases from the Fuel Oil Auxiliary Boiler that contain SO<sub>2</sub> in excess of 340 ng/J (0.80 lb/million Btu) heat input or, according to 40 CFR §60.42b(j) as an alternative, the Fuel Oil Auxiliary Boiler shall not combust oil that contains greater than 0.5 weight percent sulfur.</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> In accordance with 40 CFR §60.42b(j), the owner/operator of the affected source combusting very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by maintaining fuel records as described in §60.49b(r).</p> <p>In accordance with §60.49b(r) the owner/operator elects to demonstrate that the oil combusted in the affected unit is only very low sulfur oil and as such shall obtain and maintain fuel receipts from the fuel supplier that certify that the oil meets the definition of distillate oil as defined in §60.41b and the applicable sulfur limit. Records of these certifications shall be kept and maintained on site by the owner/operator for a period of five (5) years following the date of such record. Semiannual reports of fuel oil certification shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality. The reports shall consist of the fuel certification records and a signed statement from the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.</p>
C.21	<p><b>Emission Unit ID/Equipment ID:</b> 04/AXB1</p> <p><b>Limits/Standards:</b> This source is subject to New Source Performance Standards (NSPS), 40 CFR 60 Subpart A, General Conditions and Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, and S.C. Regulation 61-62.60 Subparts A and Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, as applicable. The source shall continue to operate under a federally enforceable limit of operating at an annual capacity factor of 10% or less and firing No. 2 fuel oil with a nitrogen content of 0.30% weight or less.</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall comply with the reporting and recordkeeping requirements in accordance with 40 CFR §60.49b, as applicable. The owner/operator shall record fuel consumption semiannually and calculate yearly fuel consumption on a twelve-month rolling sum. Reports of the calculated values and the twelve-month rolling sum shall be submitted semiannually. Semiannual reports of fuel usage shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality. Fuel usage records shall be kept for a period of five years from the date of measurement and shall be made available for inspection by Department personnel.</p>
C.22	<p><b>Emission Unit ID:</b> 05</p> <p><b>Equipment ID:</b> AH-1, AH-2, AH-3, AH-4, AH-5, AH-6</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions from a process shall be limited to the rate specified by use of equations set forth in Standard No. 4. In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), emissions (including fugitive emissions) from sources where construction or modification began on or before December 31, 1985 shall each not exhibit an opacity greater than forty (40) percent (each).</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The process equipment shall be maintained at or below the process weight rate specified in the application. The owner/operator shall perform a visual inspection on each piece of equipment, while the equipment is operating, on a semiannual basis.</p> <p>The owner/operator shall submit semiannual reports documenting that visual inspections were conducted in accordance with this condition. The report shall include records of abnormal emissions if any and corrective actions taken. If the unit did not operate during the inspection period, the report shall so state. Records of visual inspection shall be maintained on site.</p>
C.23	<p><b>Emission Unit ID:</b> 05</p> <p><b>Equipment ID:</b> FA-2, FA-3, FA-4, FA-5, FA-6, FA-7, FA-11, FA-12, FA-13</p> <p><b>Control Device ID:</b> CD-VF9, CD-FS-2, CD-VF10, CD-VF1, CD-VF2, CD-VF3, CD-VF4, CD-VF5</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

<b>Condition Number</b>	<b>Condition</b>
	<p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions from a process shall be limited to the rate specified by use of equations set forth in Standard No. 4. In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), emissions (including fugitive emissions) from sources where construction or modification began after December 31, 1985 shall each not exhibit an opacity greater than twenty (20) percent (each).</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The process equipment shall be maintained at or below the process weight rate specified in the application. The owner/operator shall perform a visual inspection on each piece of equipment, while the equipment is operating, on a semiannual basis.</p> <p>The owner/operator shall submit semiannual reports documenting that visual inspections were conducted in accordance with this condition. The report shall include records of abnormal emissions if any and corrective actions taken. If the unit did not operate during the inspection period, the report shall so state. Records of visual inspection shall be maintained on site.</p>
C.24	<p><b>Emission Unit ID:</b> 05</p> <p><b>Equipment ID:</b> FA-1, FA-8, FA-9, FA-10</p> <p><b>Control Device ID:</b> CD-BV1, CD-FS-1, CD-WC, CD-VF6, CD-VF7</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions from a process shall be limited to the rate specified by use of equations set forth in Standard No. 4. In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), emissions (including fugitive emissions) from sources where construction or modification began after December 31, 1985 shall each not exhibit an opacity greater than twenty (20) percent (each).</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall implement a schedule for monthly inspection and regular cleaning or replacement of filters. The owner/operator shall perform a visual inspection on each piece of equipment, while the equipment is operating, on a semi-annual basis.</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition						
	<p>The owner/operator shall submit semiannual reports documenting that visual inspections were conducted in accordance with this condition. The report shall include records of abnormal emissions if any and corrective actions taken. If the unit did not operate during the inspection period, the report shall so state. Records of inspection, maintenance, and visual inspection shall be maintained on site.</p>						
C.25	<p><b>Emission Unit ID:</b> 06</p> <p><b>Equipment ID:</b> CH-1, CH-4, CH-5, RC, CH-11, CH-13, CH-14, CH-15, CH-16, CH-17, CH-18, CH-19, CH-20, CH-26, CH-27, CH-28, CH-29, CH-30, CH-31</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions from a process shall be limited to the rate specified by use of equations set forth in Standard No. 4. In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), emissions (including fugitive emissions) from sources shall not exhibit an opacity greater than the following:</p> <table border="1" data-bbox="420 1031 1356 1178"> <thead> <tr> <th data-bbox="420 1031 889 1068">Equipment ID</th> <th data-bbox="889 1031 1356 1068">Opacity (each)</th> </tr> </thead> <tbody> <tr> <td data-bbox="420 1068 889 1140">CH-1,CH-4, CH-5, RC, CH-11, CH-13, CH-14, CH-15, CH-16, CH-17, CH-19</td> <td data-bbox="889 1068 1356 1140">40%</td> </tr> <tr> <td data-bbox="420 1140 889 1178">CH-18, CH-20, CH-29, CH-30, CH-31</td> <td data-bbox="889 1140 1356 1178">20%</td> </tr> </tbody> </table> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The process equipment shall be maintained at or below the process weight rate specified in the application. The owner/operator shall perform a visual inspection on each piece of equipment, while the equipment is operating, on a semiannual basis.</p> <p>The owner/operator shall submit semiannual reports documenting that visual inspections were conducted in accordance with this condition. The report shall include records of abnormal emissions if any and corrective actions taken. If the unit did not operate during the inspection period, the report shall so state. Records of visual inspection shall be maintained on site.</p>	Equipment ID	Opacity (each)	CH-1,CH-4, CH-5, RC, CH-11, CH-13, CH-14, CH-15, CH-16, CH-17, CH-19	40%	CH-18, CH-20, CH-29, CH-30, CH-31	20%
Equipment ID	Opacity (each)						
CH-1,CH-4, CH-5, RC, CH-11, CH-13, CH-14, CH-15, CH-16, CH-17, CH-19	40%						
CH-18, CH-20, CH-29, CH-30, CH-31	20%						
C.26	<p><b>Emission Unit ID:</b> 06</p> <p><b>Equipment ID/Control Device ID:</b> CH-20, CH-29, CH-30, and CH-31</p> <p><b>Limits/Standards:</b> In accordance with 40 CFR 60 Subpart Y - Standards Of Performance For Coal Preparation Plants, §60.254 - Standards For Coal Processing And Conveying Equipment, Coal Storage Systems, Transfer</p>						



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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>And Loading Systems, And Open Storage Piles, (a) the owner or operator shall not cause to be discharged into the atmosphere any gases which exhibit twenty (20) percent opacity or greater (6-minute average).</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> In accordance with §60.255 - Performance Tests and Other Compliance Requirements, the owner/operator shall conduct any performance tests required by §60.8 using the methods specified in §60.257 - Test Methods and Procedures.</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall perform a visual inspection on a semiannual basis.</p> <p>The owner/operator shall submit semiannual reports documenting that visual inspections were conducted in accordance with this condition. The report shall include records of abnormal emissions if any and corrective actions taken. If the unit did not operate during the reporting period, the report shall so state.</p>
C.27	<p><b>Emission Unit ID:</b> 07</p> <p><b>Equipment ID/Control Device ID:</b> CBO/CD-BAG1</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions from a process shall be limited to the rate specified by use of equations set forth in Standard No. 4. In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), emissions (including fugitive emissions) from sources where construction or modification began after December 31, 1985 shall each not exhibit an opacity greater than twenty (20) percent.</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> The owner or operator shall operate and maintain continuous monitoring system(s) for the measurement of opacity and this will serve as an approved method to determine compliance with the opacity limitation for the CBO in this condition.</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall implement a schedule for monthly inspection and regular cleaning or replacement of filters (CD-BAG1).</p> <p>Opacity for the CBO unit will be monitored by the continuous opacity monitor (COM) system located in the main stack for emission point ID UB-1 or UB-2. For emission point ID UB-12, the COM system is located after CD-BAG1 and prior to CD-FGD. The main stack (emission point ID UB-1, UB-2, or UB-12) is determined by which stack is receiving the CBO flue gas. The main stack receiving the CBO flue gas shall not exceed 20%</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	opacity when the CBO is in operation for either the CBO unit or the main unit where the CBO flue gas is discharged. The owner/operator shall maintain records on-site.
C.28	<p><b>Emission Unit ID:</b> 08</p> <p><b>Equipment ID/Control Device ID:</b> GH-1, GH-2, GH-3, GH-4, GH-5, GH-6, GH-7, GH-8, GH-9, LH-1, LH-2, LH-3, LH-4, LH-5, LS-A/CD-VF11</p> <p><b>Limits/Standards:</b> In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions from a process shall be limited to the rate specified by use of equations set forth in Standard No. 4. In accordance with S.C. Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), emissions (including fugitive emissions) from sources where construction or modification began after December 31, 1985 shall each not exhibit an opacity greater than twenty (20) percent (each).</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> None Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The process equipment will be maintained at or below the process weight rate specified in the application.</p> <p>The owner/operator shall perform a visual inspection on each piece of equipment, while the equipment is operating, on a semiannual basis.</p> <p>The owner/operator shall submit semiannual reports documenting that visual inspections were conducted in accordance with this condition. The report shall include records of abnormal emissions if any and corrective actions taken. If the unit did not operate during the inspection period, the report shall so state. Records of visual inspection shall be maintained on site.</p>
C.29	<p><b>Emission Unit ID:</b> 08</p> <p><b>Equipment ID/Control Device ID:</b> GH-1, GH-2, GH-3, GH-4, GH-5, GH-6, GH-7, GH-8, GH-9, LH-1, LH-2, LH-3, LH-4, LH-5</p> <p><b>Limits/Standards:</b> In accordance with New Source Performance Standards (NSPS), 40 CFR 60 Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, §60.672 - Standards For Particulate Matter, the owner/operator shall not cause to be discharged into the atmosphere from any transfer point or belt conveyor fugitive emissions which exhibit an opacity in excess of ten (10) percent (6-minute average).</p> <p><b>State Only:</b> No</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p><b>Testing:</b> In accordance with §60.675 - Test Methods and Procedures, the owner/operator shall conduct performance tests required by §60.8 using the methods specified in §60.675 paragraphs (a), (b), (c), (d), (e), (f), and (g), and as approved by the Department.</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> In accordance with §60.676 - Reporting and Recordkeeping, the owner/operator shall submit written reports of the results of all performance tests conducted to demonstrate compliance with this Subpart.</p>
C.30	<p><b>Emission Unit ID:</b> 08</p> <p><b>Equipment ID/Control Device ID:</b> LS-A/CD-VF11</p> <p><b>Limits/Standards:</b> In accordance with New Source Performance Standards (NSPS), 40 CFR 60 Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, §60.672, the owner/operator shall not cause to be discharged into the atmosphere, from any baghouse that controls emissions from the individual, enclosed LS-A storage bin, stack emissions which exhibit an opacity in excess of seven (7) percent (6-minute average).</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> In accordance with §60.675 - Test Methods and Procedures, the owner/operator shall conduct performance tests required by §60.8 using the methods specified in §60.675 paragraphs (a), (b), (c), (d), (e), (f), and (g), and as approved by the Department.</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> In accordance with §60.676 - Reporting and Recordkeeping, the owner/operator shall submit written reports of the results of all performance tests conducted to demonstrate compliance with this Subpart.</p>
C.31	<p><b>Emission Unit ID:</b> Insignificant Activities</p> <p><b>Equipment ID:</b> IA-ST11, IA-ST12</p> <p>In accordance with 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, the following must be completed:</p> <ol style="list-style-type: none"> <li>1. Submittal of a Risk Management Plan (RMP) to the Environmental Protection Agency (EPA) prior to the date the regulated substance is first present above the threshold quantity in a process.</li> <li>2. Compliance with the Risk Management Program prior to the date the regulated substance is first present above the threshold quantity in a process.</li> </ol>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>3. Submittal of subsequent revisions/corrections/updates of the RMP in accordance with S.C. Regulation 61-62.68.190 and 68.195.</p> <p>4. 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.</p> <p>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.</p>
C.32	<p><b>Emission Unit ID:</b> Insignificant Activities</p> <p><b>Equipment ID:</b> IA-ENG2, IA-ENG3</p> <p>The emergency fire pump diesel engine (IA-ENG2) and emergency scrubber quench water pump diesel engine (IA-ENG3) have been determined to be insignificant activities in accordance with South Carolina Regulation 61-62.70.5(c) and are listed as insignificant sources in this permit. These sources shall still comply with the requirements of New Source Performance Standards (NSPS), 40 CFR 60 Subpart A (General Provisions) and Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) and South Carolina Regulation 61-62.60 Subparts A and IIII, as applicable. These sources shall comply with all applicable requirements of these Subparts. These sources are also subject to comply with 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants (NESHAP), Subparts A (General Provisions) and ZZZZ (NESHAP for Stationary Reciprocating Internal Combustion Engines), however there are no compliance requirements because compliance with 40 CFR 60, NSPS Subpart IIII is more stringent.</p>
C.33	<p>This facility has processes potentially subject to the provisions of S.C. Regulation 61-62.60 and 40 CFR 60, Standards Of Performance For New Stationary Sources, Subparts A (General Provisions) Subpart DDDD – (Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units). Should this facility be subject to these regulations, the owner/operator shall follow all applicable requirements as specified in the regulation.</p>
C.34	<p><b>Emission Unit ID:</b> 01, 02, 04</p> <p><b>Equipment Unit ID:</b> UB1, UB2, AXB1</p> <p>(40 CFR 51) This facility is an applicable source under 51.1200(2) Data Requirements Rule for Characterizing Air Quality for the Primary SO<sub>2</sub> NAAQS (DRR). Per 51.1203(d)(2), the modeled SO<sub>2</sub> emission rate from Stack UB12 will be limited to less than or equal to 3271.8 pounds per hour and the modeled SO<sub>2</sub> emission rate from Stack AB1 will be limited to less than or equal to 0.32 pounds per hour. The first compliance period shall start on January 1, 2017 and end on December 31, 2017.</p>

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**C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS**

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Condition
	<p>Compliance with these limits will be demonstrated through the CEMs, recordkeeping and reporting of actual emissions for Stack UB12 and fuel certification records and heat input for Stack AB1</p> <p>Per these requirements, the owner or operator shall submit semi-annual monitoring reports to the Bureau. These reports shall be submitted to the Bureau of Air Quality, Manager of Technical Management and the reports shall meet the requirements below:</p> <p><b>Semiannual report:</b> The semi-annual report shall be submitted to the Bureau within 30 days of the end of each reporting period and shall contain the following:</p> <ul style="list-style-type: none"> <li>• The actual emissions for each hour in the reporting period for Stack UB12.</li> <li>• The actual emissions for each hour in the reporting period for Stack AB1</li> <li>• An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall only be included in the initial report. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.</li> </ul>

**D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY**

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
63	ZZZZ (Emergency Generators see note 3 and 4)	N/A	N/A	N/A
63	DDDDD (5D)	Five Year	Five Years	Postmarked no later than January 31 following the end of the reporting period

1. This table summarizes only the periodic compliance reporting schedule. Additional reports may be required. See specific NESHAP Subpart for additional reporting requirements and associated schedule.
2. This reporting schedule does not supersede any other reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, 40 CFR Part 63, and/or Title V. The MACT reporting schedule may be adjusted to coincide with the Title V reporting schedule with prior approval from the Department in accordance with 40 CFR Part 63.10.a.5. This request may be made 1 year after the compliance date for the associated MACT standard.
3. Facilities with emergency generators are not required to submit reports. Only facilities with non-emergency engines are required to submit semi annual reports.
4. Facilities with emergency engines shall comply with the operations limits specified in 40 CFR 63.6640(f).

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**E. NESHAP - CONDITIONS**

<b>Condition Number</b>	<b>Condition</b>
E.1	All NESHAP notifications and reports shall be sent to the Manager of the Air Toxics Section, South Carolina Department of Health and Environmental Control - Bureau of Air Quality.
E.2	<p>All NESHAP notifications and the cover letter to periodic reports shall be sent to the United States Environmental Protection Agency (US EPA) at the following address or electronically as required by the specific subpart:</p> <p align="center"><b>US EPA, Region 4 Air, Pesticides and Toxics Management Division 61 Forsyth Street SW Atlanta, GA 30303</b></p>
E.3	<p>Emergency power generators less than or equal to 150 kilowatt (kW) rated capacity or greater than 150 kW rated capacity designated for emergency use only and operated a total of 500 hours per year or less for testing and maintenance with a method to record the actual hours of use such as an hour meter have been determined to be exempt from construction permitting requirements in accordance with South Carolina Regulation 61-62.1. These sources shall still comply with the requirements of all applicable regulations including but not limited to the following:</p> <p>New Source Performance Standards (NSPS) 40 CFR 60 Subpart A (General Provisions);  NSPS 40 CFR 60 Subpart IIII (Stationary Compression Ignition Internal Combustion Engines);  NSPS 40 CFR 60 Subpart JJJJ (Stationary Spark Ignition Internal Combustion Engines);  National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart A (General Provisions);  and  NESHAP 40 CFR 63 Subpart ZZZZ (Stationary Reciprocating Internal Combustion Engines).</p>
E.4	This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and Subpart DDDDD "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters." Existing affected sources shall be in compliance with the requirements of these Subparts on the compliance date, unless otherwise noted.
E.5	<p><b>Emission Unit ID/Equipment ID:</b> 04/AXB1</p> <p>The facility has requested a federally enforceable limit to be classified as a "Limited Use Boiler" as defined in Subpart 5D, Section 63.7575. Upon the compliance date of this regulation, per Section 63.7555(d)(3) of the Subpart, the facility must limit the average annual capacity factor of the boiler to less than or equal to 10 percent and keep records of fuel use for the days the boiler is in operation.</p> <p>(S.C. Regulation 61-62.70.6.a.3) Monitoring And Related Recordkeeping And Reporting Requirements. The annual capacity factor shall be defined as the ratio between the actual heat input to a boiler or process heater from the fuels burned during a period of 12 consecutive calendar months and the potential heat input to the boiler or process heater had it been operated for 8,760 hours during that 12-month period at the maximum design heat input capacity. The annual capacity factor shall be determined at the end of each calendar month. The average annual capacity factor shall be defined as the 12-month rolling average of the annual capacity</p>

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### E. NESHAP - CONDITIONS

Condition Number	Condition
	factors and shall be determined at the end of each calendar month. Records of fuel usage, the monthly calculated annual capacity factor, along with the average annual capacity factor shall be kept on-site.
E.6	This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and Subpart UUUUU "National Emission Standards for Hazardous Air Pollutants from Coal and Oil-Fired Electric Utility Steam Generating Units." Existing affected sources shall be in compliance with the requirements of these Subparts on the compliance date, unless otherwise noted.

### F. COMPLIANCE SCHEDULE - RESERVED

### G. PERMIT SHIELD - RESERVED

### H. PERMIT FLEXIBILITY

Condition Number	Conditions
H.1	The facility may install, remove, and modify insignificant activities as defined in S.C. Regulation 61-62.70.5.c and exempt sources as listed in S.C. Regulation 61-62.1, Section II.B, without revising or reopening the Title V Operating Permit. A list of insignificant activities/exempt sources must be maintained on site, along with any necessary documentation to support the determination that the activity is insignificant and/or exempt, and shall be made available to a Department representative upon request. The list shall be submitted with the next renewal application.

### I. AMBIENT AIR STANDARDS REQUIREMENTS

Condition Number	Condition
I.1	Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The

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**I. AMBIENT AIR STANDARDS REQUIREMENTS**

Condition Number	Condition
	<p>emission rates used in the determination are listed in Attachment - Emission Rates for Ambient Air Standards of this permit. Higher emission rates may be administratively incorporated into Attachment - Emission Rates for Ambient Air Standards of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded.</p> <p>The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified above. This is a State Only enforceable requirement.</p>

**J. TITLE V PERIODIC REPORTING SCHEDULE**

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Quarterly	January-March April-June July-September October-December	April 30 <sup>th</sup> July 30 <sup>th</sup> October 30 <sup>th</sup> January 30 <sup>th</sup>
Semiannual	January-June April-September July-December October-March	July 30 <sup>th</sup> October 30 <sup>th</sup> January 30 <sup>th</sup> April 30 <sup>th</sup>

Note: This reporting schedule does not supersede any Federal reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and 40 CFR Part 63. All Federal reports must meet the reporting time frames specified in the Federal standard unless the Department or EPA approves a change.

**K. TITLE V COMPLIANCE CERTIFICATION REPORTING SCHEDULE**

Title V Compliance Certification Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Annual	January-December April-March July-June October-September	February 14 <sup>th</sup> May 15 <sup>th</sup> August 14 <sup>th</sup> November 14 <sup>th</sup>



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### L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

Condition Number	Condition
L.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Title V Periodic Reporting Schedule and the Title V Compliance Certification Reporting Schedule of this permit. All required reports must be certified by a responsible official consistent with S.C. Regulation 61-62.70.5.d.
L.2	All reports and notifications required under this permit shall be submitted to the person indicated in the specific condition at the following address: <b>2600 Bull Street Columbia, SC 29201</b> The contact information for the local EQC Regional office can be found at: <b><a href="http://www.scdhec.gov">http://www.scdhec.gov</a></b>
L.3	Unless elsewhere specified within this permit, all reports required under this permit shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality.
L.4	All Title V Annual Compliance Certifications shall be sent to the US EPA, Region 4, Air Enforcement Branch and to the Manager of the Technical Management Section, Bureau of Air Quality. <b>US EPA, Region 4 Air Enforcement Branch 61 Forsyth Street SW Atlanta, GA 30303</b>
L.5	(S.C. Regulation 61-62.70.6.a.3.ii) The owner or operator shall comply, where applicable, with the following monitoring/support information collection and retention record keeping requirements: 1. Records of required monitoring information shall include the following: a. The date, place as defined in the permit, and time of sampling or measurements; b. The date(s) analyses were performed; c. The company or entity that performed the analyses; d. The analytical techniques or methods used; e. The results of such analyses; and f. The operating conditions as existing at the time of sampling or measurement; 2. Records of all required monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
L.6	In accordance with S.C. Regulation 61-62.1, Section II.J, for sources not required to have continuous emissions monitors, any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the Department's local Environmental Quality Control (EQC) Regional office within twenty-four (24) hours after the beginning of the occurrence.

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### L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

Condition Number	Condition
	<p>The owner or operator shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality (BAQ) and shall include, at a minimum, the following:</p> <ol style="list-style-type: none"> <li>1. The identity of the stack and/or emission point where the excess emissions occurred;</li> <li>2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions;</li> <li>3. The time and duration of excess emissions;</li> <li>4. The identity of the equipment causing the excess emissions;</li> <li>5. The nature and cause of such excess emissions;</li> <li>6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction;</li> <li>7. The steps taken to limit the excess emissions; and,</li> <li>8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions.</li> </ol>
L.7	<p>(S.C. Regulation 61-62.70.6.c.5.iii) The responsible official shall certify, annually, compliance with the conditions of this permit as required under S.C. Regulation 61-62.70.6.c. The compliance certification shall include the following:</p> <ol style="list-style-type: none"> <li>1. The identification of each term or condition of the permit that is the basis of the certification.</li> <li>2. The identification of the method(s) or means used by the owner or operator for determining the compliance status with each term and condition of the permit during the certification period.</li> <li>3. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in S.C. Regulation 61-62.70.6.c.5.iii.B. The certification shall identify each deviation and take it into account in the compliance certification.</li> <li>4. Such other facts as the Department may require to determine the compliance status of the source.</li> </ol>
L.8	<p>(S.C. Regulation 61-62.1, Section II.M) Within 30 days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner or operator shall submit to the Director of Engineering Services a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the facility name and mailing address; the name, mailing address, and telephone number of the owner or operator for the facility; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.</p>

### M. GENERAL FACILITY WIDE

Condition Number	Condition
M.1	The owner or operator shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning."

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### M. GENERAL FACILITY WIDE

Condition Number	Condition
M.2	The owner or operator shall comply with S.C. Regulation 61-62.3 "Air Pollution Episodes."
M.3	The owner or operator shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions."
M.4	The owner or operator shall comply with S.C. Regulation 61-62.6 "Control of Fugitive Particulate Matter", Section III "Control of Fugitive Particulate Matter Statewide."
M.5	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.6	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to S.C. Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.7	The owner or operator shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the owner or operator performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the owner or operator is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs.
M.8	(S.C. Regulation 61-62.70.6.a.5) The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
M.9	(S.C. Regulation 61-62.70.6.a.6.i) The owner or operator must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the S.C. Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal application.
M.10	(S.C. Regulation 61-62.70.6.a.6.ii) It shall not be a defense for an owner or operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
M.11	(S.C. Regulation 61-62.70.6.a.6.iii) The permit may be modified, revoked, reopened and reissued, or terminated for cause by the Department. The filing of a request by the owner or operator for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
M.12	(S.C. Regulation 61-62.70.6.a.6.iv) The permit does not convey any property rights of any sort, or any exclusive privilege.
M.13	(S.C. Regulation 61-62.70.6.a.6.v) The owner or operator shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the owner or operator shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the owner or operator may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the owner or operator furnish such records directly to the Administrator along with a claim of confidentiality.

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**M. GENERAL FACILITY WIDE**

<b>Condition Number</b>	<b>Condition</b>
M.14	(S.C. Regulation 61-62.70.6.a.8) No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
M.15	(S.C. Regulation 61-62.70.6.c.2) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following: <ol style="list-style-type: none"> <li>1. Enter upon the owner or operator's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit.</li> <li>2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.</li> <li>3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.</li> <li>4. As authorized by the Act and/or the S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.</li> </ol>
M.16	(S.C. Regulation 61-62.70.6.g) In the case of an emergency, as defined in S.C. Regulation 61-62.70.6.g.1, the owner or operator shall demonstrate an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: <ol style="list-style-type: none"> <li>1. An emergency occurred and that the owner or operator can identify the cause(s) of the emergency;</li> <li>2. The permitted facility was at the time being properly operated; and</li> <li>3. During the period of the emergency the owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and</li> <li>4. The owner or operator shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of S.C. Regulation 61-62.70.6.a.3.iii.B. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</li> </ol> <p>This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the owner or operator seeking to establish the occurrence of an emergency has the burden of proof.</p>
M.17	(S.C. Regulation 61-62.70.6.a.1.ii) Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator.
M.18	(S.C. Regulation 61-62.70.6.a.4) According to S.C. Regulation 61-62.70.6.a.4, the owner or operator is prohibited from emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.

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### M. GENERAL FACILITY WIDE

Condition Number	Condition
M.19	(S.C. Regulation 61-62.70.7.c.1.ii) Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with S.C. Regulation 61-62.70.5.a.1.iii, 62.70.5.a.2.iv, and 62.70.7.b. In this case, the permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the permit including any permit shield that may be granted pursuant to S.C. Regulation 61-62.70.6.f shall remain in effect until the renewal permit has been issued or denied.
M.20	Requests for permit modification and amendments shall be submitted on the appropriate Department approved Title V Modification Form(s).
M.21	(S.C. Regulation 61-62.70.6.a.7) The owners or operators of Part 70 sources shall pay fees to the Department consistent with the fee schedule approved pursuant to S.C. Regulation 61-62.70.9. Failure to pay applicable fee can be considered grounds for permit revocation.
M.22	(S.C. Regulation 61-62.1, Section III) The owners or operators of Part 70 sources shall complete and submit a new updated emissions inventory consistent with the schedule approved pursuant to S.C. Regulation 61-62.1, Section III. These Emissions Inventory Reports shall be submitted to the Manager of the Emissions Inventory Section, Bureau of Air Quality.  This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.
M.23	This permit expressly incorporates insignificant activities. Emissions from these activities shall be included in the emissions inventory submittals as required by S.C. Regulation 61-62.1, Section III.B.2.g.

## 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>STANDARD NO. 2 - MODELED AAQS EMISSION RATES (lbs/hr)</b>							
<b>STACK ID</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>HF</b>
UB-12 <sup>(1)</sup>	910.89	5.9 <sup>(2)</sup>	16082	3271.8	113.49	0.119	42.06
AB-1	2.56	--	16	0.32	--	1.96E-03	--

<sup>(1)</sup> Combined stack for UB-1 & UB-2.  
<sup>(2)</sup> The PM<sub>10</sub> surrogate was used to demonstrate compliance with the PM<sub>2.5</sub> standards. Any future construction that would require a PM<sub>10</sub> model compliance demonstration should also include a PM<sub>2.5</sub> compliance demonstration including emissions from source UB-12.

<b>STANDARD NO. 2 and 7 - EXEMPTED AAQS EMISSION RATES (lbs/hr)</b>							
<b>STACK ID</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>HF</b>
AB-1	--	0.62	--	--	7.85	--	--
AH-1	3.24E-03	4.90E-04	--	--	--	--	--
AH-2 <sup>(1)</sup>	12.51	1.29	--	--	--	--	--
AH-3	0.27	0.08	--	--	--	--	--
AH-4	0.51	0.20	--	--	--	--	--
AH-5 <sup>(1)</sup>	2.21	0.23	--	--	--	--	--
AH-6	6.78E-03	1.03E-03	--	--	--	--	--
FA-1	0.69	0.69	--	--	--	--	--
FA-2	0.07	0.02	--	--	--	--	--
FA-3	0.07	0.02	--	--	--	--	--
FA-4	0.11	0.03	--	--	--	--	--
FA-5	0.24	0.08	--	--	--	--	--
FA-6	0.12	0.04	--	--	--	--	--
FA-7	0.12	0.04	--	--	--	--	--
FA-8	1.62E-03	2.45E-04	--	--	--	--	--
FA-9	0.17	0.08	--	--	--	--	--
FA-10	0.17	0.08	--	--	--	--	--
FA-11	0.10	0.03	--	--	--	--	--
CH-1	0.36	0.05	--	--	--	--	--
CH-4	0.36	0.05	--	--	--	--	--
CH-5	0.36	0.05	--	--	--	--	--
CH-11	0.48	0.22	--	--	--	--	--

## ATTACHMENT - Emission Rates for Ambient Air Standards

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<b>STANDARD NO. 2 and 7 - EXEMPTED AAQS EMISSION RATES (lbs/hr)</b>							
STACK ID	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	Lead	HF
CH-13	0.12	0.02	--	--	--	--	--
CH-14	0.12	0.02	--	--	--	--	--
CH-15	1.14E-02	1.70E-03	--	--	--	--	--
CH-16	0.12	0.02	--	--	--	--	--
CH-17	1.14E-02	1.70E-03	--	--	--	--	--
CH-18	0.50	0.08	--	--	--	--	--
CH-19	0.26	0.11	--	--	--	--	--
CH-20	0.11	0.02	--	--	--	--	--
CH-29	7.41E-02	1.12E-02	--	--	--	--	--
CH-30	1.14E-02	1.73E-03	--	--	--	--	--
CH-31	0.20	0.17	--	--	--	--	--
GH-1	1.62E-02	2.45E-03	--	--	--	--	--
GH-2	1.62E-02	2.45E-03	--	--	--	--	--
GH-3	0.02	0.01	--	--	--	--	--
GH-4	0.08	0.03	--	--	--	--	--
GH-5	1.62E-02	2.45E-03	--	--	--	--	--
GH-6 <sup>(1)</sup>	9.88	1.04	--	--	--	--	--
GH-7	0.08	0.04	--	--	--	--	--
GH-8	0.90	0.14	--	--	--	--	--
GH-9	0.12	0.05	--	--	--	--	--
LH-1	0.03	3.98E-03	--	--	--	--	--
LH-2	5.24E-03	2.10E-03	--	--	--	--	--
LH-3	0.072	0.023	--	--	--	--	--
LH-4	2.63E-02	3.98E-03	--	--	--	--	--
LH-5	0.82	0.20	--	--	--	--	--
LH-A	7.20E-03	1.09E-03	--	--	--	--	--

<sup>(1)</sup> AH-2, AH-5, and GH-6 are mobile source emissions and are not required to be modeled.

<b>STANDARD NO. 7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lbs/hr)</b>				
STACK ID	Minor Source Baseline Date(s)			
	05/20/1981	--	05/20/1981	10/26/1988
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>
UB-12 <sup>(1)</sup>	-5367.11	--	3237.8	571.05 <sup>(2)</sup>
AB-1	2.60	--	16.0	15.7

<sup>(1)</sup> Standard No. 7 emission rates for UB-12 are the difference between the modeled rates for Standard No. 2 and the maximum uncontrolled emission rates for each pollutant.

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<sup>(2)</sup> NO<sub>x</sub> was modeled for Standard No. 2 at a higher emission rate than the maximum uncontrolled emission rate.



## Attachment – CAIR Permit

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# South Carolina CAIR Permit

**(for sources covered under the South Carolina CAIR SIP)**

For more information, refer to:

**40 CFR 96.121, 96.122, 96.221, 96.222, 96.321, 96.322, and South Carolina Regulation 61-62.96.**

**STEP 1**

Identify the source by plant name, State, and ORIS or facility code

Wateree Station	SC	3297
Plant Name	State	ORIS/Facility Code

**STEP 2**

Identify the unit ID# for each CAIR unit and indicate to which CAIR programs each unit is subject (by placing an "X" in the column)

Unit ID#	NO <sub>x</sub> Annual	SO <sub>2</sub>	NO <sub>x</sub> Ozone Season
WAT1 (Unit ID #1 in Title V permit)	X	X	X
WAT2 (Unit ID #2 in Title V permit)	X	X	X

**STEP 3**

Identify the standard requirements.

**Standard Requirements**

(a) Permit Requirements.

(1) The CAIR designated representative of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) required to have a title V operating permit and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) required to have a title V operating permit at the source shall:

(i) Submit to the South Carolina Department of Health and Environmental Control a complete CAIR permit application under §96.122, §96.222, and §96.322 (as applicable) in accordance with the deadlines specified in §96.121, §96.221, and §96.321 (as applicable); and

(ii) Submit in a timely manner any supplemental information that the South Carolina Department of Health and Environmental Control determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) required to have a title V operating permit and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) required to have a title V operating permit at the source shall have a CAIR permit issued by the South Carolina Department of Health and Environmental Control under subpart CC, CCC, and CCCC (as applicable) of 40 CFR part 96 for the source and operate the source and the unit in compliance with such CAIR permit.

(3) Except as provided in subpart II, III, and IIII (as applicable) of 40 CFR part 96, the owners and operators of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) that is not otherwise required to have a title V operating permit and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) that is not otherwise required to have a title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CC, CCC, and CCCC (as applicable) of 40 CFR part 96 for such CAIR NO<sub>x</sub> source, CAIR

## Attachment – CAIR Permit

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SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and such CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable).

(b) Monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96.

(2) The emissions measurements recorded and reported in accordance with subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96 shall be used to determine compliance by each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) with the CAIR NO<sub>x</sub> emissions limitation, CAIR SO<sub>2</sub> emissions limitation, and CAIR NO<sub>x</sub> Ozone Season emissions limitation (as applicable) under paragraph (c) of §96.106, §96.206, and §96.306 (as applicable).

(c) Nitrogen oxides emissions requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> allowances available for compliance deductions for the control period under §96.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO<sub>x</sub> units at the source, as determined in accordance with subpart HH of 40 CFR part 96.

(2) A CAIR NO<sub>x</sub> unit shall be subject to the requirements under paragraph (c)(1) of §96.106 for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §96.170(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR NO<sub>x</sub> allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.106, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> allowance was allocated.

(4) CAIR NO<sub>x</sub> allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> Allowance Tracking System accounts in accordance with subparts FF, GG, and II of 40 CFR part 96.

(5) A CAIR NO<sub>x</sub> allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> Annual Trading Program. No provision of the CAIR NO<sub>x</sub> Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.105 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR NO<sub>x</sub> allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EE, FF, GG, or II of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR NO<sub>x</sub> allowance to or from a CAIR NO<sub>x</sub> source's compliance account is incorporated automatically in any CAIR permit of the source that includes the CAIR NO<sub>x</sub> unit.

Sulfur dioxide emission requirements.

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(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO<sub>2</sub> allowances available for compliance deductions for the control period under §96.254(a) and (b) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO<sub>2</sub> units at the source, as determined in accordance with subpart HHH of 40 CFR part 96.

(2) A CAIR SO<sub>2</sub> unit shall be subject to the requirements under paragraph (c)(1) of §96.206 for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under §96.270(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR SO<sub>2</sub> allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.206, for a control period in a calendar year before the year for which the CAIR SO<sub>2</sub> allowance was allocated.

(4) CAIR SO<sub>2</sub> allowances shall be held in, deducted from, or transferred into or among CAIR SO<sub>2</sub> Allowance Tracking System accounts in accordance with subparts FFF, GGG, and III of 40 CFR part 96.

(5) A CAIR SO<sub>2</sub> allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO<sub>2</sub> Trading Program. No provision of the CAIR SO<sub>2</sub> Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.205 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR SO<sub>2</sub> allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart FFF, GGG, or III of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR SO<sub>2</sub> allowance to or from a CAIR SO<sub>2</sub> source's compliance account is incorporated automatically in any CAIR permit of the source that includes the CAIR SO<sub>2</sub> unit.

#### Nitrogen oxides ozone season emissions requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> Ozone Season allowances available for compliance deductions for the control period under §96.354(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO<sub>x</sub> Ozone Season units at the source, as determined in accordance with subpart HHHH of 40 CFR part 96.

(2) A CAIR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of §96.306 for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §96.370(b)(1), (2), (3) or (7) and for each control period thereafter.

(3) A CAIR NO<sub>x</sub> Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.306, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> Ozone Season allowance was allocated.

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(4) CAIR NO<sub>x</sub> Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System accounts in accordance with subparts FFFF, GGGG, and IIII of 40 CFR part 96.

(5) A CAIR NO<sub>x</sub> allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> Ozone Season Trading Program. No provision of the CAIR NO<sub>x</sub> Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.305 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR NO<sub>x</sub> allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EEEE, FFFF, GGGG, or IIII of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR NO<sub>x</sub> Ozone Season allowance to or from a CAIR NO<sub>x</sub> Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

#### (d) Excess emissions requirements.

If a CAIR NO<sub>x</sub> source emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> emissions limitation, then:

(1) The owners and operators of the source and each CAIR NO<sub>x</sub> unit at the source shall surrender the CAIR NO<sub>x</sub> allowances required for deduction under §96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

If a CAIR SO<sub>2</sub> source emits sulfur dioxide during any control period in excess of the CAIR SO<sub>2</sub> emissions limitation, then:

(1) The owners and operators of the source and each CAIR SO<sub>2</sub> unit at the source shall surrender the CAIR SO<sub>2</sub> allowances required for deduction under §96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

If a CAIR NO<sub>x</sub> Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> Ozone Season emissions limitation, then:

(1) The owners and operators of the source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall surrender the CAIR NO<sub>x</sub> Ozone Season allowances required for deduction under §96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

#### (e) Recordkeeping and Reporting Requirements.

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(1) Unless otherwise provided, the owners and operators of the CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the South Carolina Department of Health and Environmental Control or the Administrator.

(i) The certificate of representation under §96.113, §96.213, and §96.313 (as applicable) for the CAIR designated representative for the source and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under §96.113, §96.213, and §96.313 (as applicable) changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96, provided that to the extent that subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable).

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable) or to demonstrate compliance with the requirements of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable).

(2) The CAIR designated representative of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and each CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) at the source shall submit the reports required under the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable) including those under subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96.

#### (f) Liability.

(1) Each CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) and each NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) shall meet the requirements of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable).

(2) Any provision of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable) that applies to a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) or the CAIR designated representative of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) shall

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also apply to the owners and operators of such source and of the CAIR NO<sub>x</sub> units, CAIR SO<sub>2</sub> units, and CAIR NO<sub>x</sub> Ozone Season units (as applicable) at the source.

(3) Any provision of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable) that applies to a CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) or the CAIR designated representative of a CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) shall also apply to the owners and operators of such unit.

(g) Effect on Other Authorities.

No provision of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, and CAIR NO<sub>x</sub> Ozone Season Trading Program (as applicable), a CAIR permit application, a CAIR permit, or an exemption under § 96.105, §96.205, and §96.305 (as applicable) shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO<sub>x</sub> source, CAIR SO<sub>2</sub> source, and CAIR NO<sub>x</sub> Ozone Season source (as applicable) or CAIR NO<sub>x</sub> unit, CAIR SO<sub>2</sub> unit, and CAIR NO<sub>x</sub> Ozone Season unit (as applicable) from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

## Attachment – Title IV Acid Rain Program

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(Permit Updated 7/28/15, 9/15/15, 12/1/15, & 2/29/16, & 1/13/17)

## State of South Carolina Acid Rain Permit

Issued to: Wateree Station  
Operated by: South Carolina Electric and Gas Company  
ORIS code: 3297  
Permit No.: 1900-0013  
Issue Date: September 16, 2014  
Effective Date: January 1, 2015  
Expiration Date: December 31, 2019

### Acid Rain Permit Contents:

- 1) Statement of Basis
- 2) SO<sub>2</sub> Allowance Allocation and NO<sub>x</sub> Requirements for Each Affected Unit.
- 3) Permit Revisions
- 4) The permit application submitted for this source, as corrected by South Carolina Department of Health and Environmental Control. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

### 1) Statement of Basis:

In accordance with the provisions of the Federal Clean Air Act as amended in 1990, the Pollution Control Act, Sections 48-1-50(5) and 48-1-110(a) and Titles IV and V of the Clean Air Act, the South Carolina Department of Health and Environmental Control issues this permit pursuant to the 1976 Code of Laws of South Carolina, as amended, Regulation 61-62.

### 2) SO<sub>2</sub> Allowance Allocations and NO<sub>x</sub> Requirements for Each Affected Unit:

SO <sub>2</sub> Allowance Allocations * (Under Tables 2, 3, or 4 of 40 CFR Part 73)				
Emission Unit ID	Equipment ID	2000 - 2009	2010 and Beyond	Additional Requirements
WAT1**	UB1	9714	9735	-
WAT2**	UB2	9267	9022	-

\* The number of allowances actually held by an effected source in a unit account may differ from the number allocated by U. S. EPA. If so, a revision to the unit SO<sub>2</sub> allowance allocations identified in this permit is not necessary. (See 40 CFR 72.84)

\*\* Emission Unit ID WAT1 corresponds to Unit ID 01 of the Title V permit and Emission Unit ID WAT2 corresponds to Unit ID 02 of the Title V permit.

## Attachment – Title IV Acid Rain Program

### SCE&G Wateree Station

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<b>NO<sub>x</sub> Emission Limitations</b> (On an Annual Average Basis)			
<b>Emission Unit ID</b>	<b>Equipment ID</b>	<b>lb/10<sup>6</sup> Btu of Heat Input</b>	<b>Additional Requirements</b>
WAT1**	UB1	0.46	In addition to the described NO <sub>x</sub> compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO <sub>x</sub> compliance plan and requirements covering excess emissions.
WAT2**	UB2	0.46	

### 3) Permit Revisions:

<b>RECORD OF REVISIONS</b>			
<b>Revision Number</b>	<b>Revision Date</b>	<b>Type (AA, MM, SM)</b>	<b>Description of Change</b>

- AA     Administrative Amendment
- MM     Minor Modification
- SM     Significant Modification

### 4) Permit Application and Compliance Plan:

The acid rain permit application and compliance plan are incorporated into the permit and constitutes an enforceable part of the permit.