



<b>Company Name:</b>	Santee Cooper Cross Generating Station	<b>Permit Writer:</b>	James Myers
<b>Agency Air Number:</b>	0420-0030	<b>Date:</b>	December 31, 2024
<b>Permit Number:</b>	CP-50000034 v1.0		

**DATE APPLICATION RECEIVED:** November 17, 2022

**DATE OF OCRM APPROVAL:** January 27, 2023

**FACILITY DESCRIPTION**

SIC Code: 4911 – Electric Services

NAICS Code: 221112 – Fossil Fuel Electric Power Generation

This facility operates four coal-fired boilers for production of electricity. The facility also operates ancillary processes in support of the boilers including coal, limestone, gypsum, ammonia, and ash handling equipment. The boilers are operated with ESPs to control particulate matter, FGD scrubbers to control SO<sub>2</sub>, and SCRs to control NO<sub>x</sub>.

**PROJECT DESCRIPTION**

Under Section 169A of the Clean Air Act, the South Carolina Implementation Plan (SIP) is required to contain measures necessary to make reasonable progress toward meeting the national goal for visibility protection for Federal Class I areas. This construction permit documents the limits that will be promulgated into 40 CFR 52 – Approval and Promulgation of Implementation Plans, Subpart PP – South Carolina.

**LIMIT**

The facility will limit sulfur dioxide (SO<sub>2</sub>) from boilers B01, B02, B03, and B04 to less than or equal to 0.20 lbs/million Btu. This emission limit is from Table 2 to 40 CFR 63 Subpart UUUUU. The emissions will be averaged across all four boilers and determined on a 30-group boiler operating day basis.

**MONITORING**

The facility will use continuous emission monitors (CEMs) to determine the SO<sub>2</sub> emissions from each boiler. The boilers are subject to 40 CFR 63 Subpart UUUUU and use 40 CFR Part 75 for the monitoring of the CEMs. The Part 75 monitoring required by Subpart UUUUU will be used for the monitoring of the CEMs for compliance with this limit.

**STARTUP/SHUTDOWN**

The 0.2 lbs/million Btu limit does not apply during periods of startup or shutdown. The facility is subject to 40 CFR 63 Subpart UUUUU. The facility will use the requirements of this regulation to minimize emissions during startup and shutdown periods. If the final rule is repealed or amended, the facility will continue to use the version of the rule published on February 2, 2012.

**MALFUNCTION**

Emissions during periods of process malfunctions will be included in determining the 30-day averages.



**STATEMENT OF BASIS**  
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BAQ Air Permitting Division

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**REPORTING**

Reports of the 30-day SO<sub>2</sub> emission averages will be reported quarterly along with the records required for the startup and shutdown events.

**OPERATING PERMIT INCORPORATION**

So that this project can be incorporated into the TV OP as an administrative permit amendment, this project will be public noticed in accordance with:

- South Carolina Regulation 61-62.70.7(d)(1)(v) - Incorporates into the Part 70 permit the requirements from preconstruction review permits authorized under an EPA-approved program, provided that such a program meets procedural requirements substantially equivalent to the requirements of Sections 70.7 and 70.8 that would be applicable to the change if it were subject to review as a permit modification, and compliance requirements substantially equivalent to those contained in Section 70.6.

**PUBLIC NOTICE**

This construction permit will undergo a 30-day public notice period and a 45-day EPA comment period in accordance with SC Regulation 61-62.1, Section II(E), SC Regulation 61-62.1, Section II(N), SC Regulation 61-62.70.7(d)(1)(v), SC Regulation 61-62.70.7(h), and SC Regulation 61-62.70.8. The comment period was open from April 26, 2024 to May 28, 2024 and the draft permit was placed on the BAQ website during that time period. Comments were received during the comment period.

**SUMMARY AND CONCLUSIONS**

It has been determined that this source, if operated in accordance with the submitted application, will meet all applicable requirements and emission standards.