



# SC DEPARTMENT *of* **ENVIRONMENTAL SERVICES**

## **Bureau of Air Quality Synthetic Minor Construction Permit**

**Valara Holdings High Performance Compute Center  
4000 S Pine Street  
Spartanburg, South Carolina 29302  
Spartanburg County**

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), 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 construction of this facility and the equipment specified herein in accordance with the plans, specifications, and other information submitted in the construction permit application received on March 04, 2026, as amended. All official correspondence, plans, permit applications, and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction permit may be grounds for permit revocation.

The construction and subsequent 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: CP-50000422 v1.0**  
**Agency Air Number: 2060-0674**

**Issue Date: DRAFT**



**Steve McCaslin, P. E., Director**  
**Air Permitting Division**  
**Bureau of Air Quality**

RECORD OF REVISIONS	
Date	Description of Changes

DRAFT

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<b>A. PROJECT DESCRIPTION, EQUIPMENT, AND CONTROL DEVICE(S)</b>
Permission is hereby granted to construct five simple cycle 17 MW natural gas fired turbines and six simple cycle 54 MW natural gas fired turbines with selective catalytic reduction and oxidation catalyst control devices. This permit will supersede federally enforceable limits on NO <sub>x</sub> , CO, and VOC established in construction permit CP-50000316 v1.1 to avoid Title V applicability.

<b>A.1 EQUIPMENT</b>			
<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
17T	Five simple cycle 17 MW Baker Hughes natural gas fired combustion turbines	SCR, OX	Various
54T	Six simple cycle 54 MW General Electric natural gas fired combustion turbines	SCR, OX	Various

<b>A.2 CONTROL DEVICES</b>			
<b>Control Device ID</b>	<b>Control Device Description</b>	<b>Pollutant(s) Controlled</b>	<b>Emission Point ID</b>
SCR	Selective Catalytic Reduction	NO <sub>x</sub>	Various
OX	Oxidation Catalyst	CO, VOC, HAP	Various

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
<b>Condition Number</b>	<b>Conditions</b>
B.1	<p><b>Facility Wide</b></p> <p>(S.C. Regulation 61-62.1, Section II(E) and II(J)(2)) The federally enforceable emissions limitations to limit the facility to less than 100.0 tons per year for NO<sub>x</sub>, CO, and VOC emissions, each, for Title V avoidance contained in condition B.1 of CP-50000316 v1.1 are being removed with this permit. The federally enforceable emissions limitations to limit the facility to less 10.0 tons per year for any single HAP emission and 25.0 tons per year for any combination of HAP emissions will remain, but not for the purpose of avoiding Title V.</p> <p>(S.C. Regulation 61-62.1, Section II(E)) This facility is a potential PSD major source for NO<sub>x</sub>, CO, and VOC emissions. This facility is a potential MACT major source for HAP emissions. The facility has requested facility-wide federally enforceable emissions limitations to limit its potential to emit to less than 250.0 tons per year for NO<sub>x</sub>, CO, and VOC emissions, each to avoid PSD and 10.0 tons per year for any single HAP emission and 25.0 tons per year for any combination of HAP emissions to avoid major source MACT.</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
<b>Condition Number</b>	<b>Conditions</b>
B.2	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.1, Section II(E) and II(J)(2); S.C. Regulation 61-62.70.6(a)(3)(i)(B)) The owner or operator shall maintain records of manufacturer specifications and emission rates, hour meter records (including associated load), records of startup and shutdown, and any other records necessary to determine VOC and HAP emissions such as fuel usage or source testing data. VOC, individual HAP and total HAP emissions shall be calculated monthly, and a twelve-month rolling sum shall be calculated monthly. Facility-wide emission totals must include emissions from other permitted sources, exempt sources, and insignificant activities. Emissions from startup, shutdown, and malfunctions are required to be quantified and included in the calculations. The facility wide twelve-month rolling sum shall be less than 250.0 tons for VOC, 10.0 tons for each individual HAP, and 25.0 tons for total HAPs. Reports of the input values, calculated values, and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually.</p> <p>The facility shall calculate monthly emissions for each source using the following formulas:</p> $\text{Monthly VOC Emissions (ton)} = \frac{ER_{VOC} * H}{C_1}$ $\text{Monthly Hexane Emissions (ton)} = \frac{EF_{HEX} * F * H}{C_1 * V}$ $\text{Monthly Single HAP Emissions (ton)} = \frac{EF_{HAP} * F * H}{C_1}$ $\text{Total Monthly HAP Emissions (ton)} = \sum_{\text{All HAPs}} \frac{EF_{HAP} * F * H}{C_1} + \frac{EF_{HEX} * F * H}{C_1 * V}$ <p>Where:  ER<sub>VOC</sub> = Manufacturer's controlled emission rate for VOC at associated load (lb/hr)  EF<sub>HAP</sub> = AP-42 Emission factor for a specific HAP (lb/10<sup>6</sup> Btu) or site-specific emission factors developed from on-site source testing  EF<sub>HEX</sub> = California Air Toxics Emission Factor for hexane (0.38 lb/10<sup>6</sup> scf) or site-specific emission factor developed from on-site source testing  V = Heating value of natural gas (Btu/scf)  F = fuel consumption of turbine (10<sup>6</sup> Btu/hr)  H = hours of operation that month (hr)  C<sub>1</sub> = conversion factor between lb and ton (2000 lb/ton)</p>
B.3	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
<b>Condition Number</b>	<b>Conditions</b>
	<p>(S.C. Regulation 61-62.1, Section II(E) and II(J)(2); S.C. Regulation 61-62.70.6(a)(3)(i)(B)) The owner or operator shall maintain records of CEMS data and any other records necessary to determine facility wide NO<sub>x</sub> emissions. NO<sub>x</sub> emissions shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total NO<sub>x</sub> emissions. Facility-wide emission totals must include emissions from other permitted sources, exempt sources, and insignificant activities. Emissions from startup, shutdown, and malfunctions are required to be quantified and included in the calculations. The facility-wide twelve month rolling sum shall be less than 250.0 tons for NO<sub>x</sub>. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually.</p> <p>(S.C. Regulation 61-62.1, Section II(J)(2)) For all CEMS required or referenced in this condition, that are used to demonstrate compliance, the owner or operator shall develop a data substitution plan for periods of CEMS downtime or malfunction. The plan(s) must be submitted to the Department for review and approval, at least 45 days prior to initial startup of new sources or post-modification startup for existing sources. The plan(s) may be updated following submittal and approval of the revision by the Department.</p>
B.4	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.1, Section II(E) and II(J)(2); S.C. Regulation 61-62.70.6(a)(3)(i)(B)) The owner or operator shall maintain records of manufacturer specifications and emission rates, hour meter records (including associated load), records of startup and shutdown, and any other records necessary to determine facility wide CO emissions such as CEMS data. CO emissions shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total CO emissions. Facility-wide emission totals must include emissions from other permitted sources, exempt sources, and insignificant activities. Emissions from startup, shutdown, and malfunctions are required to be quantified and included in the calculations. The facility-wide twelve month rolling sum shall be less than 250.0 tons for CO. Reports of the input values, calculated values, and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually.</p> <p>The facility shall calculate monthly emissions for each source using the following formulas:</p> $\text{Monthly CO Emissions (ton)} = \frac{ER_{CO} * H}{C_1}$ <p>Where:  ER<sub>CO</sub> = Manufacturer's controlled emission rate for CO at associated load (lb/hr)  H = hours of operation that month (hr)  C<sub>1</sub> = conversion factor between lb and ton (2000 lb/ton)</p>
B.5	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
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	(S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from this source (including fugitive emissions) shall not exhibit an opacity greater than 20%.
B.6	<p><b>Equipment ID:</b> 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Section III) The allowable discharge of NO<sub>x</sub> resulting from this source is 9.0 ppmv at 15 percent O<sub>2</sub> Dry Basis. All emission limits for affected sources required to use Continuous Emissions Monitoring (CEMS) shall be based on thirty (30) day rolling averages.</p>
B.7	<p><b>Equipment ID:</b> 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) 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 start-up of operation for affected new sources. Each subsequent tune-up shall be conducted no more than twenty-four (24) months after the previous tune-up. 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. The owner or operator shall develop and retain a tune-up plan on file.</p> <p>The owner or operator shall record monthly the amounts and types of each fuel combusted by the affected sources and maintain these records on-site.</p> <p>The owner or operator shall maintain records of the occurrence and duration of any malfunction in the operation of an affected source; any malfunction of the air pollution control equipment; and any periods during which a continuous monitoring system or monitoring device is inoperative.</p> <p>The owner or operator shall install, calibrate, maintain, and operate CEMS on each turbine for measuring NO<sub>x</sub>, and Oxygen (O<sub>2</sub>) or Carbon Dioxide (CO<sub>2</sub>) emissions discharged to the atmosphere, and shall record the output of the system. The CEMS required under this section shall be operated and data recorded during all periods of operation of the affected source except for CEMS breakdowns and repairs. Data is to be recorded during calibration checks and zero and span adjustments. The CEMS required under this section shall be installed, calibrated, maintained, and operated in accordance with approved methods in Regulation 61-62.60 or 61-62.72, or as approved by the Department.</p> <p>Excess emissions and monitoring systems performance reports shall be submitted semiannually. All reports shall be postmarked by the thirtieth (30<sup>th</sup>) day following the end of each six (6) month period. Written reports of excess emissions shall include the following information:</p> <p>(1) The magnitude of excess emissions, any conversion factor(s) used, the date and time of</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
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	<p>commencement and completion of each time period of excess emissions, and the process operating time during the reporting period;</p> <p>(2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected source. The nature and cause of any malfunction (if known), the corrective action taken, or preventative measures adopted;</p> <p>(3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments;</p> <p>(4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the reports.</p>
B.8	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.1, Section II(J)(2); S.C. Regulation 61-62.70.6(a)(3)(i)(C)) The owner or 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> <p>(S.C. Regulation 61-62.1, Section II(J)(1)(d)) Sources required to have continuous emission monitors shall submit reports as specified in applicable parts of the permit, law, regulations, or standards.</p>
B.9	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.1, Section II(J)(2); S.C. Regulation 61-62.70.6(a)(3)(i)(C)) 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 (e.g., pressure drop readings, flow rates, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each occurrence 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.</p> <p>Reports of these occurrences shall be submitted semiannually. If there were no occurrences during the reporting period, then documentation shall be submitted to indicate such. Any alternative method for monitoring control device performance must be preapproved by the Department and</p>

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	shall be incorporated into the permit as set forth in S.C. Regulation 61-62.70.7.
B.10	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.1, Section II(E) and II(J)(2); S.C. Regulation 61-62.70.6(a)(3)(i)(C)) The owner or operator shall install, operate, and maintain temperature indicators across each catalyst bed during source operation. Temperature readings shall be recorded at least every 15 minutes, and a daily average calculated. The averaging period shall include all readings from 12:00 am one day to 12:00 am the following day. Readings collected when the source is shutdown or not operating may not be used in the calculation. This information shall be submitted semiannually with the facility-wide rolling sums.</p> <p>Maintenance checks for proper temperature indicator operation shall be made on at least a monthly basis. The checks and any corrective actions shall be documented and kept on-site.</p> <p>The facility shall implement a catalyst management plan to assure that the catalyst activity remains within performance specifications. Catalyst maintenance and replacement shall be implemented in accordance with the plan. The catalyst management plan shall be submitted to the Department within 30 days of startup of the first turbine. The catalysts shall be in place and operational whenever processes controlled by it are running, except during periods of malfunction or mechanical failure.</p> <p>(S.C. Regulation 61-62.1, Section II(E) and II(J)(2); S.C. Regulation 61-62.70.6(a)(3)(i)(C)) Operational ranges for the monitored parameters shall be established to ensure proper operation of the pollution control equipment. The owner or operator shall operate each catalyst bed within the established operational range during source operation. These operational ranges for the monitored parameters shall be derived from source test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. Prior to the first source test, the facility shall use manufacturer's recommendations for operational ranges. The manufacturer's recommendations must be maintained on-site. These ranges and supporting documentation (certification from manufacturer, source test results, 30 days of normal readings, opacity readings, etc.) shall be submitted to the Department within 180 days of startup. Operating ranges may be updated following submittal to the Department.</p>
B.11	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.1, Section IV) All emissions points, duct work and other locations that are required to be tested, shall be designed and constructed in a manner to facilitate testing in accordance with applicable EPA approved source testing methods; including, but not be limited to, methods specifying test port location and sizing criteria.</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>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
<b>Condition Number</b>	<b>Conditions</b>
	<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>When conducting source tests subject to this section, the owner, operator, or representative shall provide the following:</p> <ul style="list-style-type: none"> <li>• Department access to the facility to observe source tests;</li> <li>• Sampling ports adequate for test methods;</li> <li>• Safe sampling site(s);</li> <li>• Safe access to sampling site(s);</li> <li>• Utilities for sampling and testing equipment; and</li> <li>• Equipment and supplies necessary for safe testing of a source.</li> </ul> <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 Department.</p>
B.12	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.60; 40 CFR 60) These sources are subject to New Source Performance Standards (NSPS), Subpart A, General Provisions and Subpart KKKKa, Standards of Performance for Stationary Combustion Turbines, as applicable. These sources shall comply with all applicable requirements of Subparts A (applicable as shown in Table 3 of Subpart KKKKa) and Subpart KKKKa.</p>
B.13	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4300a What is the purpose of this subpart?</p> <p>This subpart establishes emission standards and compliance schedules for the control of emissions from stationary combustion turbines that commenced construction, modification, or reconstruction after December 13, 2024.</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
<b>Condition Number</b>	<b>Conditions</b>
	<p>§ 60.4305a Does this subpart apply to my stationary combustion turbine?</p> <p>(a) Except as provided for in § 60.4310a, you are subject to this subpart if you own or operate a stationary combustion turbine that commenced construction, modification, or reconstruction after December 13, 2024, and that has a base load rating equal to or greater than 10.7 gigajoules per hour (GJ/h) (10 million British thermal units per hour (MMBtu/h)). Any additional heat input from duct burners used with heat recovery steam generating (HRSG) units or fuel preheaters is not included in the heat input value used to determine the applicability of this subpart to a given stationary combustion turbine. However, this subpart does apply to emissions from any associated HRSG and duct burner(s) that are associated with a combustion turbine subject to this subpart.</p> <p>(b) A stationary combustion turbine subject to this subpart is not subject to subpart GG or KKKK of this part.</p>
B.14	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4320a What NO<sub>x</sub> emissions standard must I meet?</p> <p>(a) Except as provided for in paragraph (c) of this section, for each stationary combustion turbine you must not discharge into the atmosphere from the affected facility any gases that contain an amount of NO<sub>x</sub> that exceeds the applicable emissions standard and be in accordance with the requirements specified in paragraph (b) of this section. If you choose to use NO<sub>x</sub> CEMS, input-based emission rates and standards are determined on a 4-operating-hour rolling basis and output-based emission rates and standards are determined on a 30-operating-day rolling basis. Mass-based emission rates are determined on both a 4-operating-hour and 12-calendar-month rolling basis.</p> <p>(b) For the purpose of determining compliance with the applicable emissions standard, you must also meet the requirements specified in paragraphs (b)(1) through (4) of this section, as applicable to your affected facility.</p> <p>(1) The NO<sub>x</sub> emission standard that is applicable to your affected facility shall be determined on an operating-hour basis, unless you elect to use the alternative provided for in paragraph (b)(2) of this section. Determining the hourly NO<sub>x</sub> emission standards for your affected facility requires recording hourly data and maintaining records according to the requirements in § 60.4390a. For hours with multiple emission standards, the applicable standard for that hour is determined based on the condition, excluding periods of monitor downtime, that corresponds to the highest emissions standard. For example, if your affected facility operates at 70 percent or less of its base load rating for any portion of the hour, the emission limit(s) in table 1 to this subpart for combustion turbines operating at 70 percent or less of base load rating shall apply for that hour.</p>

**B. LIMITATIONS, MONITORING, AND REPORTING**

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(2) As an alternative to the requirements specified in paragraph (b)(1) of this section, you may elect to use the lowest NO<sub>x</sub> emission standard that is applicable to your affected facility, as determined using table 1 to this subpart, for the entire required compliance period.

(3) During each operating hour when only natural gas is combusted, you must meet the NO<sub>x</sub> emission standard as determined by the applicable size category in table 1 or 2 to this subpart, as applicable, which corresponds to a stationary combustion turbine firing natural gas for that operating hour. During each operating hour when the heat input (based on the HHV of the fuels) of the combustion turbine engine is less than 50 percent natural gas (*i.e.*, 50 percent or greater non-natural gas), as defined in § 60.4420a, at any point during an operating hour, you must meet the NO<sub>x</sub> emission standard as determined by the applicable size category in table 1 or 2 to this subpart, as applicable, which corresponds to a stationary combustion turbine firing fuels other than natural gas for that operating hour. During each operating hour when the heat input to the combustion turbine engine is greater than 50 percent natural gas, as defined in § 60.4420a, during an entire operating hour while combusting some portion of non-natural gas fuels, you must meet the NO<sub>x</sub> emission standard as determined by prorating the applicable NO<sub>x</sub> standards, based on the applicable size category in table 1 or 2 to this subpart, as applicable, by the heat input from each fuel type.

(d) You must meet the applicable NO<sub>x</sub> emissions standard to your affected facility during all times that the affected facility is operating (including periods of startup, shutdown, and malfunction).

**Table 1 to Subpart KKKKa of Part 60—Nitrogen Oxide Emission Standards for Stationary Combustion Turbines**

Combustion Turbine Type	Combustion Turbine Base Load Rated Heat Input (HHV)	Input-Based NO <sub>x</sub> Emissions Standard	Optional Output-Based NO <sub>x</sub> Standard
New, firing natural gas, at utilization rate >45 percent	>50 MMBtu/h and ≤850 MMBtu/h	15 ppm at 15 percent O <sub>2</sub> or 24 ng/J (0.055 lb/MMBtu)	0.20 kg/MWh-gross (0.43 lb/MWh-gross) 0.20 kg/MWh-net (0.44 lb/MWh-net)

B.15	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4330a What SO<sub>2</sub> emissions standard must I meet?</p> <p>(a) Except as provided for in paragraphs (b) through (e) of this section, for each new, modified, or reconstructed stationary combustion turbine you must not cause to be discharged from the affected facility and into the atmosphere any gases that contain an amount of SO<sub>2</sub> exceeding either:</p>
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B. LIMITATIONS, MONITORING, AND REPORTING	
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	<p>(1) 110 nanograms per Joule (ng/J) (0.90 pounds per megawatt-hour (lb/MWh)) gross energy output; or</p> <p>(2) 26 ng SO<sub>2</sub>/J (0.060 lb SO<sub>2</sub>/MMBtu) heat input.</p>
B.16	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4333a What are my general requirements for complying with this subpart?</p> <p>(a) You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction.</p> <p>(b) If you own or operate a stationary combustion turbine subject to a NO<sub>x</sub> emissions standard in § 60.4320a, you must conduct an initial performance test according to § 60.8 using the applicable methods in § 60.4400a or § 60.4405a. Thereafter, unless you perform continuous monitoring consistent with § 60.4335a, § 60.4340a, or § 60.4345a, you must conduct subsequent performance tests according to the applicable requirements in paragraphs (b)(1) through (6) of this section.</p> <p>(c) Except as provided for in paragraph (c)(1) or (2) of this section, for each stationary combustion turbine subject to a NO<sub>x</sub> emissions standard in § 60.4320a, you must demonstrate continuous compliance using a continuous emissions monitoring system (CEMS) for measuring NO<sub>x</sub> emissions according to the provisions in § 60.4345a. If your stationary combustion turbine is equipped with a NO<sub>x</sub> CEMS, those measurements must be used to determine excess emissions.</p> <p>(d) An owner or operator of a stationary combustion turbine subject to an SO<sub>2</sub> emissions standard in § 60.4330a must demonstrate compliance using one of the methods specified in paragraphs (d)(1) through (4) of this section.</p> <p>(3) Conduct an initial performance test according to § 60.8 and use the applicable methods in § 60.4415a. Thereafter, maintain records (such as a current, valid purchase contract, tariff sheet, or transportation contract) documenting that total sulfur content for the initial and subsequent fuel combusted in your stationary combustion turbine at all times does not exceed applicable conditions specified in § 60.4370a;</p> <p>(g) If you elect to comply with the mass-based standard, you must demonstrate continuous compliance using either a CEMS for measuring NO<sub>x</sub> emissions according to the provisions in § 60.4345a or using the methodology in appendix E to part 75 of this chapter.</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
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B.17	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4345a How do I demonstrate compliance with my NO<sub>x</sub> emissions standard using a NO<sub>x</sub> CEMS?</p> <p>(a) Each CEMS measuring NO<sub>x</sub> emissions used to meet the requirements of this subpart, must meet the requirements in paragraphs (a)(1) through (6) of this section.</p> <p>(1) You must install, certify, maintain, and operate a NO<sub>x</sub> monitor to determine the hourly average NO<sub>x</sub> emissions in the units of the standard with which you are complying.</p> <p>(2) If you elect to comply with an input-based or mass-based emissions standard, you must install, calibrate, maintain, and operate either a fuel flow meter (or flow meters) or an O<sub>2</sub> or CO<sub>2</sub> CEMS and a stack flow monitor to continuously measure the heat input to the affected facility.</p> <p>(3) If you elect to comply with an output-based emissions standard, you must also install, calibrate, maintain, and operate both a watt meter (or meters) to continuously measure the gross electrical output from the affected facility and either a fuel flow meter (or flow meters) or an O<sub>2</sub> or CO<sub>2</sub> CEMS and a stack flow monitor. If you have a CHP combustion turbine and elect to comply with an output-based emissions standard, you must also install, calibrate, maintain, and operate meters to continuously determine the total useful recovered thermal energy. For steam this includes flow rate, temperature, and pressure. If you have a direct mechanical drive application and elect to comply with the output-based emissions standard you must submit a plan to the Administrator or delegated authority for approval of how energy output will be determined.</p> <p>(4) If you elect to comply with the part-load NO<sub>x</sub> emissions standard, you must install, calibrate, maintain, and operate either a fuel flow meter (or flow meters) or an O<sub>2</sub> or CO<sub>2</sub> CEMS and a stack flow monitor to continuously measure the heat input to the affected facility.</p> <p>(5) If you elect to comply with the temperature dependent NO<sub>x</sub> emissions standard, you must install, calibrate, maintain, and operate a thermometer to continuously monitor the ambient temperature.</p> <p>(b) Each NO<sub>x</sub> CEMS must be installed and certified according to Performance Specification 2 (PS 2) in appendix B to this part. The span value must be 125 percent of the highest applicable standard or highest anticipated hourly NO<sub>x</sub> emissions rate. Alternatively, span values determined according to section 2.1.2 in appendix A to part 75 may be used. For stationary combustion turbines that do not use post-combustion technology to reduce emissions of NO<sub>x</sub> to comply with the requirements of this subpart, you may use NO<sub>x</sub> and diluent CEMS that are installed and certified according to appendix A to part 75 in lieu of Procedure 1 in appendix F to this part and the requirements of § 60.13, except</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
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	<p>that the relative accuracy test audit (RATA) of the CEMS must be performed on a lb/MMBtu basis. For stationary combustion turbines that use post-combustion technology to reduce emissions of NO<sub>x</sub> to comply with the requirements of this subpart, you may use NO<sub>x</sub> and diluent CEMS that are installed and certified according to appendix A to part 75 in lieu of Procedure 1 in appendix F to this part and the requirements of § 60.13 with approval from the Administrator or delegated authority, except that the relative accuracy test audit (RATA) of the CEMS must be performed on a lb/MMBtu basis.</p> <p>(c) During each full operating hour, both the NO<sub>x</sub> monitor and the diluent monitor must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour. For partial operating hours, at least one data point must be obtained with each monitor for each quadrant of the hour in which the unit operates. For operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two data points (one in each of two quadrants) are required for each monitor.</p> <p>(d) Each fuel flow meter must be installed, calibrated, maintained, and operated according to the manufacturer's instructions. Alternatively, fuel flow meters that meet the installation, certification, and quality assurance requirements in appendix D to part 75 of this chapter are acceptable for use under this subpart.</p> <p>(e) Each watt meter, steam flow meter, and each pressure or temperature measurement device must be installed, calibrated, maintained, and operated according to manufacturer's instructions.</p> <p>(f) You must develop, submit to the Administrator or delegated authority for approval, maintain, and adhere to an on-site quality assurance (QA) plan for all of the continuous monitoring equipment you use to comply with this subpart. At a minimum, such a QA plan must address the requirements of § 60.13(d), (e), and (h). For the CEMS and fuel flow meters, the owner or operator of a stationary combustion turbine that does not use post-combustion technology to reduce emissions of NO<sub>x</sub> to comply with the requirements of this subpart may, with approval of the Administrator or delegated authority, satisfy the requirements of this paragraph (f) by implementing the QA program and plan described in section 1 in appendix B to part 75 of this chapter in lieu of the requirements in § 60.13(d)(1).</p> <p>(g) At a minimum, non-out-of-control CEMS hourly averages shall be obtained for 90 percent of all operating hours on a 30-operating-day rolling average basis.</p>
B.18	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4350a How do I use the NO<sub>x</sub> CEMS data to determine excess emissions?</p> <p>Owner or operators of stationary combustion turbines who demonstrate continuous compliance</p>

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	using a CEMS for measuring NO <sub>x</sub> emissions must follow the procedures as outlined in § 60.4350a.
B.19	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4372a How can I demonstrate compliance with my SO<sub>2</sub> emissions standard using records of the fuel sulfur content?</p> <p>(a) If you elect to demonstrate compliance with a SO<sub>2</sub> emissions standard according to § 60.4333a(d)(3), you must maintain on-site records (such as a current, valid purchase contract, tariff sheet, or transportation contract) documenting that total sulfur content for the fuel combusted in your stationary combustion turbine at all times does not exceed the conditions specified in paragraph (b) through (e) of this section, as applicable to your stationary combustion turbine.</p> <p>(b) If your stationary combustion turbine is subject to the SO<sub>2</sub> emissions standard in § 60.4330a(a), then the fuel combusted must have a potential SO<sub>2</sub> emissions rate of 26 ng/J (0.060 lb/MMBtu) heat input or less.</p>
B.20	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4375a What reports must I submit?</p> <p>(a) An owner or operator of a stationary combustion turbine that elects to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content under this subpart, must submit reports of excess emissions and monitor downtime, according to § 60.7(c). Excess emissions must be reported for all periods of unit operation, including startup, shutdown, and malfunction.</p> <p>(b) The notification requirements of § 60.8 apply to the initial and subsequent performance tests</p> <p>(e) Within 60 days after the date of completing each performance test or continuous emissions monitoring systems (CEMS) performance evaluation that includes a relative accuracy test audit (RATA), you must submit the results following the procedures specified in paragraph (g) of this section. You must submit the report in a file format generated using the EPA's Electronic Reporting Tool (ERT). Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website (<a href="https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert">https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert</a>) accompanied by the other information required by § 60.8(f)(2) in PDF format.</p>

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	<p>(f) You must submit to the Administrator semiannual reports of the following recorded information. Beginning on January 15, 2027, or once the report template for this subpart has been available on the Compliance and Emissions Data Reporting Interface (CEDRI) website (<a href="https://www.epa.gov/electronic-reporting-air-emissions/cedri">https://www.epa.gov/electronic-reporting-air-emissions/cedri</a>) for one year, whichever date is later, submit all subsequent reports using the appropriate electronic report template on the CEDRI website for this subpart and following the procedure specified in paragraph (g) of this section. The date report templates become available will be listed on the CEDRI website. Unless the Administrator or delegated State agency or other authority has approved a different schedule for submission of reports, the report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted.</p> <p>(g) If you are required to submit notifications or reports following the procedure specified in this paragraph (g), you must submit notifications or reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (<a href="https://cdx.epa.gov/">https://cdx.epa.gov/</a>). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim for some of the information in the report or notification, you must submit a complete file in the format specified in this subpart, including information claimed to be CBI, to the EPA following the procedures in paragraphs (g)(1) and (2) of this section. Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 CFR part 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. You must submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in this paragraph (g).</p> <p>(1) The preferred method to receive CBI is for it to be transmitted electronically using email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to the OAQPS CBI Office at the email address <a href="mailto:oaqps_cbi@epa.gov">oaqps_cbi@epa.gov</a>, and as described above, should include clear CBI markings. ERT files should be flagged to the attention of the Group Leader, Measurement Policy Group; all other files should be flagged to the attention of the Stationary Combustion Turbine Sector Lead. If assistance is needed with submitting large electronic files that exceed the file size limit for email attachments, and if you do not have your own file sharing service, please email <a href="mailto:oaqps_cbi@epa.gov">oaqps_cbi@epa.gov</a> to request a file transfer link.</p> <p>(2) If you cannot transmit the file electronically, you may send CBI information through the postal service to the following address: U.S. EPA, Attn: OAQPS Document Control Officer, Mail Drop: C404-02, 109 T.W. Alexander Drive, P.O. Box 12055, RTP, NC 27711. In addition to the OAQPS Document Control Officer, ERT files should also be sent to the attention of the Group Leader, Measurement</p>

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	<p>Policy Group, and all other files should also be sent to the attention of the Stationary Combustion Turbine Sector Lead. The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer envelope.</p> <p>(h) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with that reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (h)(1) through (7) of this section.</p> <p>(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.</p> <p>(2) The outage must have occurred within the period of time beginning 5 business days prior to the date that the submission is due.</p> <p>(3) The outage may be planned or unplanned.</p> <p>(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.</p> <p>(5) You must provide to the Administrator a written description identifying:</p> <ul style="list-style-type: none"> <li>(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;</li> <li>(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;</li> <li>(iii) A description of measures taken or to be taken to minimize the delay in reporting; and</li> <li>(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.</li> </ul> <p>(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.</p> <p>(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.</p> <p>(i) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of <i>force majeure</i> for failure to timely comply with that reporting requirement. To assert a claim of <i>force majeure</i>, you must meet the requirements outlined in paragraphs (i)(1) through (5) of this section.</p> <p>(1) You may submit a claim if a <i>force majeure</i> event is about to occur, occurs, or has occurred or</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
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	<p>there are lingering effects from such an event within the period of time beginning 5 business days prior to the date the submission is due. For the purposes of this section, a <i>force majeure</i> event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).</p> <p>(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.</p> <p>(3) You must provide to the Administrator:</p> <ul style="list-style-type: none"> <li>(i) A written description of the <i>force majeure</i> event;</li> <li>(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the <i>force majeure</i> event;</li> <li>(iii) A description of measures taken or to be taken to minimize the delay in reporting; and</li> <li>(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.</li> </ul> <p>(4) The decision to accept the claim of <i>force majeure</i> and allow an extension to the reporting deadline is solely within the discretion of the Administrator.</p> <p>(5) In any circumstance, the reporting must occur as soon as possible after the <i>force majeure</i> event occurs.</p> <p>(j) Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.</p>
B.21	<p><b>Equipment ID:</b> 17T, 54T  <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4380a How are NO<sub>x</sub> excess emissions and monitor downtime reported?</p> <p>(b) For reports required under § 60.4375a(a), periods of excess emissions and monitor downtime for stationary combustion turbines using a CEMS, excess emissions are reported as specified in paragraphs (b)(1) and (2) of this section.</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
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	<p>(1) An excess emission that must be reported is any unit operating period in which the 4-operating-hour average NO<sub>x</sub> emissions rate, 30-operating-day rolling average NO<sub>x</sub> emissions rate, 4-hour mass-based emissions rate, or the 12-calendar-month mass-based emissions rate exceeds the applicable emissions standard in § 60.4320a as determined in § 60.4350a.</p> <p>(2) A period of monitor downtime that must be reported is any operating hour in which the data for any of the following parameters that you use to calculate the emission rate, as applicable, used to determine compliance, are either missing or out-of-control: NO<sub>x</sub> concentration, CO<sub>2</sub> or O<sub>2</sub> concentration, stack flow rate, heat input rate, steam flow rate, steam temperature, steam pressure, or megawatts. You are only required to monitor parameters used for compliance purposes.</p>
B.22	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4385a How are SO<sub>2</sub> excess emissions and monitor downtime reported?</p> <p>(b) If you choose the option to maintain records of the fuel sulfur content, excess emissions are defined as any period during which you combust a fuel that you do not have appropriate fuel records or that fuel contains sulfur greater than the applicable standard.</p>
B.23	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4390a What records must I maintain?</p> <p>(a) You must maintain records of your information used to demonstrate compliance with this subpart as specified in § 60.7.</p> <p>(f) An owner or operator of a stationary combustion turbine complying with the fuel-based SO<sub>2</sub> standard must maintain records of the results of all fuel analyses or a current, valid purchase contract, tariff sheet, or transportation contract.</p> <p>§ 60.4395a When must I submit my reports?</p> <p>Consistent with § 60.7(c), all reports required under § 60.7(c) must be electronically submitted via CEDRI by the 30th day following the end of each 6-month period.</p>
B.24	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p>

<b>B. LIMITATIONS, MONITORING, AND REPORTING</b>	
<b>Condition Number</b>	<b>Conditions</b>
	<p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4405a How do I conduct a performance test if I use a NO<sub>x</sub> CEMS?</p> <p>(a) If you use a CEMS the performance test must be performed according to the procedures specified in paragraph (b) of this section.</p> <p>(b) The initial performance test must use the procedure specified in paragraphs (b)(1) through (4) of this section.</p> <p>(1) Perform a minimum of nine RATA reference method runs, with a minimum time per run of 21 minutes, at a single load level, within ±25 percent of 100 percent of the base load rating while the source is combusting the fuel that is a normal primary fuel for that source. You may perform testing at the highest achievable load point, if at least 75 percent of the base load rating cannot be achieved in practice. The ambient temperature must be greater than 0 °F during the RATA runs. The Administrator or delegated authority may approve performance testing below 0 °F if the timing of the required performance test and environmental conditions make it impractical to test at ambient conditions greater than 0 °F.</p> <p>(2) For each RATA run, concurrently measure the heat input to the unit using a fuel flow meter (or flow meters) or the methodologies in appendix F to part 75 of this chapter, and for units complying with the output-based standard, measure the electrical and thermal output from the unit.</p> <p>(3) Use the test data both to demonstrate compliance with the applicable NO<sub>x</sub> emissions standard under § 60.4320a and to provide the required reference method data for the RATA of the CEMS described under § 60.4342a.</p> <p>(4) Compliance with the applicable emissions standard in § 60.4320a is achieved if the sum of the NO<sub>x</sub> emissions divided by the heat input (or gross or net energy output) for all the RATA runs, expressed in units of lb/MMBtu, ppm, lb/MWh, or kgs, does not exceed the emissions standard.</p>
B.25	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>NSPS Subpart KKKKa - Standards of Performance for Stationary Combustion Turbines</p> <p>§ 60.4415a How do I conduct performance tests to demonstrate compliance with my SO<sub>2</sub> emissions standard?</p> <p>(a) If you are an owner or operator of an affected facility complying with the fuel-based standard must submit fuel records (such as a current, valid purchase contract, tariff sheet, transportation contract, or results of a fuel analysis) to satisfy the requirements of § 60.8.</p>

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**B. LIMITATIONS, MONITORING, AND REPORTING**

Condition Number	Conditions
B.26	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.1, Section II(J)(2)) The turbines (17T and 54T) shall not be operated while any previously permitted temporary sources are in operation in order to comply with S.C. Regulation 61-62.5, Standard No. 2. The owner or operator must record the operating times of each source daily. Any alternative operating scenario must be approved by the Department and may require a new demonstration of compliance with the above listed standard. A report on the operating times of each source shall be submitted 6 months after the effective date of this permit. If these sources have not operated during the reporting timeframe, then the report shall indicate such. This is a State Only requirement.</p>
B.27	<p><b>Facility Wide</b></p> <p>(S.C. Regulation 61-62.60; S.C. Regulation 61-62.1, Section II(J)(2); 40 CFR 60) This facility is prohibited from selling electricity in order to avoid applicability to S.C. Regulation 61-62.60 and 40 CFR 60 Subpart TTTTa. The facility shall submit a letter, on company letterhead, to the Department, signed by the local power utility, certifying that the facility lacks the electrical power connections necessary to sell electricity to the grid. This letter shall be submitted prior to the operation of any turbines.</p>
B.28	<p><b>Equipment ID:</b> 17T, 54T <b>Control Device ID:</b> SCR, OX</p> <p>(S.C. Regulation 61-62.1, Section II(E) and II(J)(2)) An initial source test on each source, or representative source(s) as approved by the Department, to establish a controlled emission factor for formaldehyde shall be conducted within 180 days after startup. The source test shall be utilized to establish the controlled emission factor for formaldehyde used in the monthly rolling sums calculations.</p> <p>The owner or operator shall operate each source within the operating parameters established during the most recent satisfactory source test. A copy of the most recent Department issued source test summary letter(s) that established the operating parameters shall be maintained with this permit.</p>

**C. NESHAP (40 CFR 61 AND 40 CFR 63)**

Condition Number	Conditions
C.1	<p>(40 CFR §63.9(a)(4)(ii) and §63.10(a)(4)(ii)) All NESHAP notifications and reports shall be sent to the Department. Electronic submission of notifications or reports to the United States Environmental Protection Agency (US EPA) via CEDRI (Compliance and Emissions Data Reporting Interface) shall serve as the submission to the Department. CEDRI can be accessed through the EPA's Central Data Exchange (CDX).</p>
C.2	<p>(40 CFR §63.9(a)(4)(ii) and §63.10(a)(4)(ii)) All NESHAP notifications and reports requiring electronic</p>

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<b>C. NESHAP (40 CFR 61 AND 40 CFR 63)</b>	
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	submission to US EPA shall be submitted to EPA via CEDRI. Notifications and reports for specific NESHAP subparts not yet requiring electronic submission may also be submitted via CEDRI. Notifications and the accompanying cover letter for periodic reports not submitted via CEDRI shall be sent to the US EPA Region 4 Air Enforcement Branch of the Enforcement and Compliance Assurance Division as required by the applicable subpart.
C.3	<p>(S.C. Regulation 61-62.60 and 62.63; 40 CFR 60 and 63) Emergency engines less than or equal to 150 kilowatt (kW) rated capacity, emergency engines 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 and have a method to record the actual hours of use, such as an hour meter, and diesel engine driven emergency fire pumps that are operated a total of 500 hours per year or less for testing and maintenance and have 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 S.C. Regulation 61-62.1.</p> <p>If present, 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>

<b>D. GENERAL FACILITY WIDE</b>	
<b>Condition Number</b>	<b>Conditions</b>
D.1	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.
D.2	The permittee shall pay permit fees to the Department in accordance with the requirements of S.C. Regulation 61-30, Environmental Protection Fees.
D.3	<p>In the event of an emergency, as defined in S.C. Regulation 61-62.1, Section II(L), the owner or operator may document an emergency situation through properly signed, contemporaneous operating logs, and other relevant evidence that verify:</p> <ol style="list-style-type: none"> <li>1. An emergency occurred, and the owner or operator can identify the cause(s) of the emergency;</li> <li>2. The permitted source was at the time the emergency occurred being properly operated;</li> <li>3. During the period of the emergency, the owner or operator took all reasonable steps to</li> </ol>

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<b>D. GENERAL FACILITY WIDE</b>	
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	<p>minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and</p> <p>4. The owner or operator gave a verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by a written report within thirty (30) days. The written report shall include, at a minimum, the information required by S.C. Regulation 61-62.1, Section II(J)(1)(c)(i) through (J)(1)(c)(viii). The written report shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>This provision is in addition to any emergency or upset provision contained in any applicable requirement.</p>
D.4	<p>(S.C. Regulation 61-62.1, Section II(O)) 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:</p> <ol style="list-style-type: none"> <li>1. Enter the facility where 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 Federal Clean Air 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>
D.5	<p>(S.C. Regulation 61-62.1, Section II(J)(1)(a)) No applicable law, regulation, or standard will be contravened.</p>
D.6	<p>(S.C. Regulation 61-62.1, Section II(J)(1)(e)) Any owner or operator who constructs or operates a source or modification not in accordance with the application submitted pursuant to this regulation or with the terms of any approval to construct, or who commences construction after the effective date of these regulations without applying for and receiving approval hereunder, shall be subject to enforcement action.</p>

<b>E. EMISSIONS INVENTORY REPORTS</b>	
<b>Condition Number</b>	<b>Conditions</b>
E.1	<p>All newly permitted and constructed Title V sources and/or Non-attainment Area Sources shall complete and submit an 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</p>

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<b>E. EMISSIONS INVENTORY REPORTS</b>	
<b>Condition Number</b>	<b>Conditions</b>
	<p>Department.</p> <p>This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.</p>

<b>F. GENERAL RECORD KEEPING AND REPORTING</b>	
<b>Condition Number</b>	<b>Conditions</b>
F.1	(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 five (5) years from the date the record was generated and shall be made available to a Department representative upon request.
F.2	The owner or operator shall submit reports required in this permit in a timely manner and according to the reporting schedule established through the Department's approved electronic permitting system.
F.3	All reports and notifications required under this permit shall be submitted to the Department.
F.4	<p>(S.C. Regulation 61-62.1, Section II(J)(1)(c)) For sources not required to have continuous emission 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 (1) hour or more and which are greater than those discharges described for normal operation in the permit application, shall be reported to the Department within twenty-four (24) hours after the beginning of the occurrence and a written report shall be submitted to the Department within thirty (30) days. The written report 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> </ol>

<b>F. GENERAL RECORD KEEPING AND REPORTING</b>	
<b>Condition Number</b>	<b>Conditions</b>
	<p>7. The steps taken to limit the excess emissions; and,</p> <p>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.</p> <p>The initial twenty-four (24) hour notification should be made to the Department's local Regional Office.</p> <p>The written report should be sent to the Department.</p>
F.5	(S.C. Regulation 61-62.1, Section II(J)(2)) Where submittals, requests, or documents are required by this permit or regulation, they shall be submitted through the Department's ePermitting system. Where the term postmarked is used in this permit or regulation, the ePermitting submittal date shall be applied.
F.6	(S.C. Regulation 61-62.1, Section II(A)(3)) The owner or operator shall submit written notification to the Department of the date construction is commenced, postmarked within thirty (30) days after such date.

<b>G. PERMIT EXPIRATION AND EXTENSION</b>	
<b>Condition Number</b>	<b>Conditions</b>
G.1	<p>(S.C. Regulation 61-62.1, Section II(A)(4) and (5) and S.C. Regulation 61-62.1, Section II(J)(1)(f)) Approval to construct shall become invalid if construction:</p> <ul style="list-style-type: none"> <li>a. Is not commenced within eighteen (18) months after receipt of such approval;</li> <li>b. Is discontinued for a period of eighteen (18) months or more; or</li> <li>c. Is not completed within a reasonable time as deemed by the Department.</li> </ul> <p>The Department may extend the construction permit for an additional eighteen (18) month period upon a satisfactory showing that an extension is justified. This request must be made prior to the permit expiration.</p> <p>This provision does not apply to the time period between construction of the approved phases of a phased construction project; each phase must commence construction within eighteen (18) months of the projected and approved commencement date.</p>

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<b>H. PERMIT TO OPERATE</b>	
<b>Condition Number</b>	<b>Conditions</b>
H.1	(S.C. Regulation 61-62.1, Section II(F)(3)) When a Department issued construction permit includes engineering and/or construction specifications, the owner or operator or professional engineer in charge of the project shall certify that, to the best of his/her knowledge and belief and as a result of periodic observation during construction, the construction under application has been completed in accordance with the specifications agreed upon in the construction permit issued by the Department. If construction is certified as provided above, the owner or operator may operate the source in compliance with the terms and conditions of the construction permit until the operating permit is issued by the Department. If construction is not built as specified in the permit application and associated construction permit(s), the owner or operator must submit to the Department a complete description of modifications that are at variance with the documentation of the construction permitting determination prior to commencing operation. Construction variances that would trigger additional requirements that have not been addressed prior to start of operation shall be considered construction without a permit.
H.2	(S.C. Regulation 61-62.1, Section II(F)(1)) The owner or operator shall submit written notification to the Department of the actual date of initial startup of each new or altered source, postmarked within fifteen (15) days after such date. Any source that is required to obtain an air quality construction permit issued by the Department must obtain an operating permit when the new or altered source is placed into operation and shall comply with the requirements of this section.
H.3	(S.C. Regulation 61-62.1, Section II(F)(4)(b)) For sources not subject to S.C. Regulation 61-62.70, or not yet covered by an effective Title V operating permit, the owner or operator shall submit a written request to the Department for a new or revised operating permit to cover any new or altered source postmarked within fifteen (15) days after the actual date of initial startup of each new or altered source.  (S.C. Regulation 61-62.1, Section II(F)(4)(c)) The written request for a new or revised operating permit must include, at a minimum, the following information: <ul style="list-style-type: none"> <li>i. A list of sources that were placed into operation; and</li> <li>ii. The actual date of initial startup of each new or altered source.</li> </ul> (S.C. Regulation 61-62.70.5(a)) The owner or operator shall submit a timely and complete Part 70 permit application within twelve (12) months of startup.

<b>I. AMBIENT AIR STANDARDS</b>	
<b>Condition Number</b>	<b>Conditions</b>
I.1	Air dispersion modeling (or other method) has previously 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

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<b>I. AMBIENT AIR STANDARDS</b>	
<b>Condition Number</b>	<b>Conditions</b>
	<p>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. 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 or operator shall maintain this facility at or below the emission rates used in the most recent air dispersion modeling (or other method) demonstration submitted to and approved by the Department, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates used in the demonstration, not to exceed the pollutant limitations in the body of this permit, it may do so by submitting a new demonstration for approval. This condition along with the referenced modeling demonstration will also serve to meet the intent of S.C. Regulation 61-62.5, Standard No. 8, Section II(D). This is a State Only enforceable requirement.</p>