



## **Bureau of Air Quality General State Operating Permit Sawmill Operations**

Pursuant to 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 these sources in accordance with the valid construction permits, and the plans, specifications and other information submitted in the Operating Permit application. 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 or operating permit may be grounds for permit revocation.

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

**Issue Date:            December 10, 2015**

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**Elizabeth J. Basil, Director  
Engineering Services Division  
Bureau of Air Quality**

**General State Operating Permit for Sawmill Operations**

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<b>RECORD OF REVISIONS</b>	
<b>Final Revision Date</b>	<b>Description of Change</b>

# General State Operating Permit for Sawmill Operations

## A. APPLICABILITY

Condition Number	Condition
A.1	<p>A facility may operate under the conditions contained herein if it meets the following criteria, as applicable:</p> <ol style="list-style-type: none"> <li>1. The facility shall be a sawmill. A sawmill is where logs (greenwood) are cut into lumber (timber). The process may consist of any of the following: debarking, decking, sawing, planing, edging, trimming, drying, loading of lumber and wood residue, wood preserving, and all associated equipment such as cyclones, baghouses, engines, tanks, and other department approved sources and activities. Surface finishing of woods and all associated finishing materials and control devices such as paint booth filters, cartridges, etc.</li> <li>2. Sources can only be fired on natural gas, propane, virgin No. 2 fuel oil, virgin diesel, clean untreated wood, Biodiesel, and other department approved fuels. The use of any non-specification oil, hazardous waste, or any other waste chemical as a fuel or any addition of these items to the fuel shall not be allowed. External combustion sources shall be fired on 0.5 wt% or less sulfur content diesel/No. 2 fuel oil.</li> <li>3. All non-road diesel engines are fired on low sulfur (500 ppm or less) diesel and are certified by the manufacturer to meet EPA's non-road diesel engine emission standards/tiers (40 CFR 89 and 1039).</li> <li>4. The maximum size for a single internal combustion source burning diesel is limited to 500 hp mechanical power output and a displacement of &lt;10 liters per cylinder.</li> <li>5. The maximum size for a single stationary external combustion source is limited to less than 100 million BTU/hr heat input capacity.</li> </ol>
A.2	Facilities that make panel products, plywood, veneer, particleboard, medium density fiberboard, hardboard, oriented strand board, waferboard, wood shavings, or engineered (composite) wood products do not qualify for this permit.
A.3	No facility covered under this permit shall be potentially major for Prevention of Significant Deterioration (PSD), Nonattainment New Source Review (NA NSR), and/or Title V.

## B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
B.1	<p><b>Emission Unit 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</p>

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## B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	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.
B.2	<p><b>Equipment/Control Device ID:</b> Control Equipment (All)</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/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>
B.3	<p><b>Equipment/Control Device ID:</b> Control Equipment (All)</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. Operational ranges shall be determined for triggering corrective actions and assuring proper operation. The ranges and documentation on how they were developed shall be kept on site and made available for review. 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.</p>
B.4	<p><b>Equipment/Control Device ID:</b> Baghouse, Dust Collector</p> <p>The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each module of each baghouse. Pressure drop readings for each baghouse shall be recorded daily during source operation. Operation and maintenance checks shall be made on at least a weekly basis for baghouse cleaning systems, dust collection hoppers and conveying systems for proper operation. Each baghouse shall be in place and operational whenever processes controlled by it are running, except during periods of baghouse malfunction or mechanical failure.</p>
B.5	<p><b>Equipment/Control Device ID:</b> Multiclone</p> <p>The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each multiclone. Pressure drop readings for each multiclone shall be recorded daily during source operation. Operation and maintenance checks shall be made on at least a weekly basis for multiclone cleaning systems, dust collection hoppers and conveying systems for proper operation. Each multiclone shall be in place and operational whenever processes controlled by it are running, except during periods of multiclone malfunction or mechanical failure.</p>
B.6	<p><b>Equipment/Control Device ID:</b> Cyclone</p>

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### B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	<p>Each cyclone shall be in place and operational whenever processes controlled by each cyclone are running, except during periods of cyclone malfunction or mechanical failure. The following operation and maintenance checks will be made on at least a weekly basis for all cyclones:</p> <ul style="list-style-type: none"> <li>• Check each cyclone and ductwork system for damaged or worn sheet metal or other interferences with proper operation.</li> <li>• Check dust collection hoppers and conveying systems for proper operation.</li> </ul>
B.7	<p><b>Equipment/Control Device ID:</b> Filters</p> <p>Filter(s) shall be operational and in place at all times when equipment or processes controlled by filter(s) are operating, except during periods of malfunction or mechanical failure. A schedule shall be implemented for the daily inspection and regular cleaning or replacement of the filter(s).</p>
B.8	<p><b>Equipment/Control Device ID:</b> All Sources, except indirect fired fuel combustion sources (boilers) and internal combustion sources (engines, generators, etc.)</p> <p>(S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations:</p> <p style="padding-left: 40px;">For process weight rates less than or equal to 30 tons per hour  <math>E = (F) 4.10P^{0.67}</math> and</p> <p style="padding-left: 40px;">For process weight rates greater than 30 tons per hour  <math>E = (F) 55.0P^{0.11} - 40</math></p> <p style="padding-left: 40px;">Where E = the allowable emission rate in pounds per hour  P = process weight rate in tons per hour  F = effect factor from Table B in S.C. Regulation 61-62.5, Standard No. 4</p>
B.9	<p><b>Equipment/Control Device ID:</b> All Sources, except indirect fired fuel combustion sources (boilers)</p> <p>(S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 20%, each.</p> <p>(S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began on or before December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 40%, each.</p>
B.10	<p><b>Equipment/Control Device ID:</b> Natural gas only indirect fired fuel combustion sources (boilers)</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section I) The fuel burning source(s) shall not discharge into the ambient air smoke which exceeds opacity of 20% if constructed on or after February 11, 1971 or 40% if constructed before February 11, 1971. The opacity standards set forth above do not apply during startup or shutdown. The owner/operator 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.</p>
B.11	<p><b>Equipment/Control Device ID:</b> Indirect fired fuel combustion sources not burning natural gas (boilers)</p>

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## B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions								
	<p>(S.C. Regulation 61-62.5, Standard No. 1, Section I) The fuel burning source(s) shall not discharge into the ambient air smoke which exceeds opacity of 20% if constructed on or after February 11, 1971 or 40% if constructed before February 11, 1971. The opacity limit may be exceeded for sootblowing, but may not be exceeded for more than 6 minutes in a one hour period nor be exceeded for more than a total of 24 minutes in a 24 hour period. Emissions caused by sootblowing shall not exceed an opacity of 60%.</p> <p>The opacity standards set forth above do not apply during startup or shutdown. 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>								
B.12	<p><b>Equipment/Control Device ID:</b> Indirect fired fuel combustion sources (boilers)</p> <p>(S.C. Regulation 61-62.5, Standard No. 1) The maximum allowable discharge:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 5px 0;"> <thead> <tr> <th style="width: 50%; text-align: center;">Pollutant</th> <th style="text-align: center;">Emission Limit</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">PM</td> <td style="text-align: center;">0.6 pounds per million BTU input</td> </tr> <tr> <td style="text-align: center;">PM</td> <td style="text-align: center;">0.8 pounds per million BTU input*</td> </tr> <tr> <td style="text-align: center;">SO<sub>2</sub></td> <td style="text-align: center;">2.3 pounds per million BTU input</td> </tr> </tbody> </table> <p>*Fuel burning sources 10 million BTU/hr heat input and smaller constructed prior to February 11, 1971</p>	Pollutant	Emission Limit	PM	0.6 pounds per million BTU input	PM	0.8 pounds per million BTU input*	SO <sub>2</sub>	2.3 pounds per million BTU input
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PM	0.6 pounds per million BTU input								
PM	0.8 pounds per million BTU input*								
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B.13	<p><b>Equipment/Control Device ID:</b> Wood-fired boilers with a heat input capacity greater than 20 million BTU/hr</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section VI) The owner/operator shall conduct a performance test for PM emissions every 24 months from the date of the initial performance test. The owner/operator shall demonstrate compliance with SO<sub>2</sub> emissions by source testing, continuous monitoring, or fuel analysis.</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</p>								

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### B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	<p>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. A copy of the test results shall also be kept on-site.</p>
B.14	<p><b>Equipment/Control Device ID:</b> External fuel combustion sources (Fuel oil only)</p> <p>Fuel oil sulfur content shall be less than or equal to 0.5 percent by weight. Fuel oil supplier certification shall be obtained for each batch of oil received and kept on site.</p>
B.15	<p><b>Equipment/Control Device ID:</b> Fuel Combustion Sources with a heat input capacity greater than or equal to 10 million BTU/hr constructed after June 9, 1989.</p> <p>The fuel combustion sources are subject to New Source Performance Standards (NSPS), 40 CFR 60 Subpart A, General Conditions and Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, and S.C. Regulation 61-62.60 Subparts A and Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as applicable. These sources shall comply with all applicable requirements of these Subpart A and Dc.</p>
B.16	<p><b>Equipment/Control Device ID:</b> Fuel Burning Combustion Sources subject to 40 CFR 60 Subpart Dc (Fuel Oil Only)</p> <p>(40 CFR 60 Section 42c(d)) No owner/operator that combusts oil shall combust oil that contains greater than 0.5 weight percent sulfur.</p> <p>(40 CFR 60 Section 42c(h)) Compliance with the fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier.</p> <p>(40 CFR 60 Section 42c(i)) The SO<sub>2</sub> fuel oil sulfur limits apply at all times, including periods of startup, shutdown, and malfunction.</p>
B.17	<p><b>Equipment/Control Device ID:</b> Fuel Burning Combustion Sources subject to 40 CFR 60 Subpart Dc (Fuel Oil Only)</p> <p>(40 CFR Section 60.48c(f) Fuel supplier certification shall include the following information:</p> <ol style="list-style-type: none"> <li>1. The name of the oil supplier;</li> <li>2. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c; and</li> <li>3. The sulfur content or maximum sulfur content of the oil.</li> </ol> <p>Records of these certifications shall be kept on site. Reports shall be submitted every six-month period. Reports shall be submitted in a timely manner. Semiannual reports are due January 30<sup>th</sup> and July 30<sup>th</sup> each year. The reports shall consist of the fuel certification records and a signed statement from the</p>

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### B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions								
	owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.								
B.18	<p><b>Equipment/Control Device ID:</b> Fuel Burning Combustion Sources subject to 40 CFR 60 Subpart Dc</p> <p>(40 CFR 60 Subpart Dc ) The owner or operator of each boiler shall record and maintain records of the amounts and types of each fuel combusted during each calendar month or the owner or operator may elect to record and maintain records of the total amount of each fuel delivered to the property during each calendar month. The report shall indicate whether the amounts are based on fuel combusted or fuel delivered.</p>								
B.19	<p><b>Equipment/Control Device ID:</b> Fuel Combustion (Existing burner assembly replaced)</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) For sources where an existing burner assembly is replaced, the burner assembly shall be replaced with a low NO<sub>x</sub> burner assembly or equivalent technology capable of achieving 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 a source with multiple burners due to non-routine maintenance.</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Sections IV and V) 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>Notification For Low NO<sub>x</sub> Burner Replacement for South Carolina Oxides of Nitrogen (NO<sub>x</sub>) Control Guidelines</i> Form D-2935. Those sources that wish to receive an emission reduction credit for the control device will be required to submit a construction permit application. Those sources requesting an alternative control methodology must receive written approval prior to burner replacement.</p>								
B.20	<p><b>Equipment/Control Device ID:</b> Fuel Combustion Sources</p> <p>(S. C. Regulation 61-62.5, Standard No. 5.2) Any boiler or water heater 10 million BTU/hr or greater constructed after June 25, 2004 is subject to the following emission limitations:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">Source Type</th> <th style="width: 50%;">Control Technology and/or Emission Limit</th> </tr> </thead> <tbody> <tr> <td>Natural gas or propane fired Boilers and Water Heaters ≥ 10 million BTU/hr and &lt; 100 million BTU/hr</td> <td>Low NO<sub>x</sub> Burners or equivalent technology capable of achieving 30 ppmv @ 3% O<sub>2</sub> Dry (0.036 lb/mmBTU)</td> </tr> <tr> <td>Distillate oil fired Boilers and Water Heaters ≥ 10 million BTU/hr and &lt; 100 million BTU/hr</td> <td>Low NO<sub>x</sub> Burners or equivalent technology capable of achieving 0.15 lb/mmBTU</td> </tr> <tr> <td>Wood Residue Boilers (All Types)</td> <td>Combustion controls to minimize NO<sub>x</sub> emissions or equivalent technology capable of achieving 0.20 lb/MMBtu</td> </tr> </tbody> </table>	Source Type	Control Technology and/or Emission Limit	Natural gas or propane fired Boilers and Water Heaters ≥ 10 million BTU/hr and < 100 million BTU/hr	Low NO <sub>x</sub> Burners or equivalent technology capable of achieving 30 ppmv @ 3% O <sub>2</sub> Dry (0.036 lb/mmBTU)	Distillate oil fired Boilers and Water Heaters ≥ 10 million BTU/hr and < 100 million BTU/hr	Low NO <sub>x</sub> Burners or equivalent technology capable of achieving 0.15 lb/mmBTU	Wood Residue Boilers (All Types)	Combustion controls to minimize NO <sub>x</sub> emissions or equivalent technology capable of achieving 0.20 lb/MMBtu
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## B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions								
	<p>Any dryer, oven, etc. 10 million BTU/hr or greater rated input capacity constructed after June 25, 2004 are subject to the following emission limitations:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="width: 50%; text-align: center;">Source Type</th> <th style="width: 50%; text-align: center;">Control Technology and/or Emission Limit</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Fuel Combustion Sources Not Otherwise Specified (Examples include but are not limited to process heaters not meeting the definition of "boiler" in Regulation 61-62.1 Section I, dryers, furnaces, ovens, duct burners, incinerators, and smelters)</td> <td style="text-align: center;">Low-NOX burners or equivalent technology capable of achieving 30 percent reduction from uncontrolled levels.</td> </tr> </tbody> </table> <p>Any stationary internal combustion engines constructed after June 25, 2004 is subject to the following emission limitations:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="width: 50%; text-align: center;">Source Type</th> <th style="width: 50%; text-align: center;">Control Technology and/or Emission Limit</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Internal Combustion Engines with a mechanical power output of 200 bHP or greater – Compression Ignition</td> <td style="text-align: center;">Timing Retard <math>\leq 4^\circ</math> + Turbocharger with Intercooler or equivalent technology capable of achieving 490 ppmv @ 15% O<sub>2</sub> (7.64 gm/bhp-hr)</td> </tr> </tbody> </table> <p>Unless otherwise noted, all emission limits are based on monthly averages.</p> <p>(S.C. Regulation 61-62.5, Standard No. 5.2, Section VI) The owner/operator of a subject combustion source shall develop a tune-up plan and perform tune-ups every two years in accordance with manufacturer's specifications or with good engineering practices from replacement of burner. All tune-up records are required to be maintained on site.</p>	Source Type	Control Technology and/or Emission Limit	Fuel Combustion Sources Not Otherwise Specified (Examples include but are not limited to process heaters not meeting the definition of "boiler" in Regulation 61-62.1 Section I, dryers, furnaces, ovens, duct burners, incinerators, and smelters)	Low-NOX burners or equivalent technology capable of achieving 30 percent reduction from uncontrolled levels.	Source Type	Control Technology and/or Emission Limit	Internal Combustion Engines with a mechanical power output of 200 bHP or greater – Compression Ignition	Timing Retard $\leq 4^\circ$ + Turbocharger with Intercooler or equivalent technology capable of achieving 490 ppmv @ 15% O <sub>2</sub> (7.64 gm/bhp-hr)
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B.21	<p><b>Equipment/Control Device ID:</b> Surface Finishing</p> <p>(S.C. Regulation 61-62.6, Section III (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.</p> <p>The owner/operator is responsible for implementing work practices designed to minimize emissions from Surface Finishing Operations as follows:</p> <ol style="list-style-type: none"> <li>1. Whenever practical, airless sprayers will be used in surface finishing operations to maximize coating transfer efficiency, reduce overspray, and minimize thinner used.</li> <li>2. During dry dock surface finishing operations curtains shall be positioned around the area being painted.</li> </ol>								

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## B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	<ol style="list-style-type: none"> <li>3. Overspray from painting operations shall be contained such that it does not leave the property's boundaries.</li> <li>4. Where practical, coatings shall be applied as purchased and when thinners are required they shall be added in accordance with manufacturer's specifications.</li> <li>5. Paints will be stored indoors prior to use during cold weather months to reduce paint viscosity and the need for thinners.</li> <li>6. The lids/tops on paint and thinner containers will be kept closed when the containers are not actively being used to minimize evaporative emissions.</li> <li>7. All handling and transfer of VOC containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.</li> <li>8. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.</li> <li>9. All spills shall be cleaned up immediately.</li> <li>10. The booth or work area exhaust fans shall be operating when cleaning spray guns and other equipment.</li> <li>11. The operator shall provide and maintain suitable, easily read, permanent markings on all coatings and solvents containers.</li> <li>12. All waste coatings and solvents shall be managed and disposed of in accordance with local, state and federal regulations.</li> </ol> <p>Should excess emissions including fugitive emissions occur as a result of a malfunction in equipment, operator error, etc. operations shall be stopped at once. The owner/operator shall report the malfunction and the steps taken to correct the problem to the district office within 24 hours of the occurrence.</p>
B.22	<p><b>Equipment/Control Device ID:</b> Non-enclosed Operations and Fugitive Particulate Matter</p> <p>(S.C. Regulation 61-62.5, Standard No. 4, Section X (A)) All non-enclosed operations shall be conducted in such a manner that a minimum of particulate matter becomes airborne. In no case shall established ambient air quality standards be exceeded at or beyond the property line and in accordance with S.C. Regulation 61-62.6, Section III (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.</p> <ol style="list-style-type: none"> <li>1. The owner/operator shall maintain dust control on the premises and any roadway it owns or controls by paving, or other suitable measures. Oil treatment is prohibited.</li> <li>2. Volatile organic compounds shall not be used for dust control purposes.</li> <li>3. If dust suppressant aids are used, then they shall be applied according to the manufacturer specifications for quantity and frequency. A record shall be kept of the type of dust suppressant that is applied and the dates of application. All records shall be maintained in logs (written or electronic). These records shall be initialed by the environmental contact, shift supervisor, etc. and maintained onsite.</li> <li>4. All wood by-products and residue shall be properly watered, promptly removed, and/or covered with tarps as necessary to minimize fugitive particulate matter. Disposal by burning is prohibited unless it is conducted in a wood burner in accordance with this permit.</li> </ol>

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## B. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	<p>5. 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.</p> <p>6. 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 without prior approval from the Department.</p>

## C. PERMIT FLEXIBILITY

Condition Number	Conditions
C.1	<p>The facility may undertake minor alterations without a construction permit, or without revising or reopening the operating permit unless otherwise specified by any State or Federal requirement. These minor alterations must meet the criteria and procedures as prescribed in this condition. This flexibility only covers exempt sources and existing permitted sources. The owner or operator may be subject to possible enforcement if the activity is found to be inconsistent with the permit flexibility conditions.</p> <p>(I) Permit Flexibility Criteria for Existing and Exempt Sources</p> <ol style="list-style-type: none"> <li>1. The activity will not result in emissions that will exceed any limit in this permit.</li> <li>2. The activity does not trigger a new regulation or regulatory requirement. See exceptions under (I)7 of this section.</li> <li>3. The activity does not result in a change in a permit term, condition, or limit.</li> <li>4. The activity does not result in a new permit term, condition, or limit.</li> <li>5. The activity does not result in emissions that would potentially subject the facility to the Title V operating permit program.</li> <li>6. The activity does not trigger S.C. Regulation 61-62.5, Standards No. 7 and No. 7.1 or synthetic minor permitting requirements.</li> <li>7. The activity conducted on the existing permitted source does not meet the definition of new source, modification or reconstruction under 40 CFR Part 60, 61 or 63. This criteria does not apply to new/existing exempt sources under S.C. Regulation 61-62.1 II.B.2 or the BAQ published exempt list. Although exempt from construction permitting, sources subject to federal air rules must meet all applicable requirements. Generators shall comply with the requirements of all applicable regulations including but not limited to New Source Performance Standards (NSPS) 40 CFR 60 Subparts A (General Provisions); IIII (Stationary Compression Ignition Internal Combustion Engines); and JJJJ (Stationary Spark Ignition Internal Combustion Engines); and 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). Existing affected sources shall comply with the applicable provisions by the compliance date specified in the applicable Subpart. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.</li> <li>8. Compliance with S.C. Regulations 61-62.5 Standards No. 2 (Ambient Air Quality Standards), No. 7 (PSD) and No. 8 (Toxic Air Pollutants) is not affected.</li> </ol>

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**C. PERMIT FLEXIBILITY**

Condition Number	Conditions
	<p>9. Any activity exempted in S.C. Regulation 61-62.1 Section II.B.2 or the BAQ published exempt source list. Case by case exemptions described in Section II will require prior written approval.</p> <p>(II) Ambient Air Standards Demonstration Flexibility Changes that impact a ambient air standards demonstration (such as air dispersion modeling), but are otherwise allowed under the permit flexibility condition, shall be allowed provided:</p> <ol style="list-style-type: none"> <li>1. Updated air dispersion modeling or other information demonstration is conducted prior to the source operating under the new operating scenario. A copy of these results for the new operating scenario are kept on site and available for inspection. The air dispersion model used must be BAQ approved.</li> <li>2. The facility must submit a written request to modify the demonstration within 3 business days of operating under the new operating scenario. The demonstration shall include a description of the scenario, emission rates, modeling results, modeling files and a completed modeling information Form and any other pertinent information relevant to the demonstration. This request shall be submitted to the Director of Engineering Services.</li> </ol> <p>(III) Record Keeping As part of this permit flexibility procedure, the facility shall keep an on-site implementation log (OSIL) (written or electronic), to document all changes made under the procedure. The OSIL will be kept with the facility's air permit and made available for inspection. The OSIL shall provide detailed information supporting the changes made under this procedure. At a minimum all of the following items shall be included in the OSIL:</p> <ol style="list-style-type: none"> <li>1. A brief description of the activity and how it meets the criteria listed in this condition. Include impacted equipment identification numbers, operating permit identification unit, and stack identification.</li> <li>2. The date the activity occurred.</li> <li>3. A demonstration that the activity did not trigger any new regulations, standards or requirements.</li> <li>4. A demonstration that the activity did not result in a change in any existing permit term, condition or limit; and did not result in a need for a new permit term, condition or limit.</li> <li>5. Emissions calculations for all regulated air pollutants resulting from the activity and demonstration that when added to the existing emissions all permit limits will be met. This should include the increase and the facility-wide emissions totals from the activity.</li> <li>6. A list of exempt sources will be kept with the OSIL and only the information required by the regulation for the exemption shall be included with the OSIL.</li> </ol> <p>(IV) Reporting Reports of activities conducted under this permit flexibility condition shall be submitted every 5 years, unless no changes were made, from the permit effective date and every 5 years thereafter, to the Director of the Engineering Services. See ambient air standards demonstration flexibility section of this condition for modeling or other information demonstration reporting requirements.</p>
C.2	In addition to the requirements in the flexibility condition (C.1), at the end of every calendar year, the permit holder shall review this permit to determine if any changes outside those allowed in the

## General State Operating Permit for Sawmill Operations

### C. PERMIT FLEXIBILITY

Condition Number	Conditions
	flexibility condition (C.1) have been made to any equipment or processes covered by the permit. If there have been changes these should be added to the facility's onsite implementation log (OSIL), along with supporting documentation explaining what has changed. If there have been no changes this should be recorded and kept on site.

### D. AMBIENT AIR STANDARDS REQUIREMENTS

Condition Number	Condition
D.1	<p>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 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>

### E. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
63	JJJJJ	Biennial <sup>4</sup>	Every 2 Years	March 1

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### E. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
63	ZZZZ <sup>3</sup> (existing, non-emergency engines >300 hp only )	Semi-Annual	January 1 through June 30 July 1 through December 31	For semiannual reports, first report postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date.
63	QQQQQ	None	N/A	N/A

Note:

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, and/or 40 CFR Part 63. The MACT reporting schedule may be adjusted to coincide with the permit's reporting schedule with prior approval from the Department in accordance with 40 CFR 63.10.a.5. This request may be made 1 year after the compliance date for the associated MACT standard.
3. Emergency generators are not required to submit reports unless they meet the criteria under 40 CFR 63.6650(h). Non-emergency engines are required to submit reports.
4. Each annual compliance certification report must be prepared by March 1 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted by March 15 of the year immediately following the reporting period. If the boiler is only subject to biennial or five-year tune-ups, a biennial or five-year compliance report may be prepared.

### F. NESHAP - CONDITIONS

Condition Number	Condition
F.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.
F.2	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: <b>US EPA, Region 4</b> <b>Air, Pesticides and Toxics Management Division</b> <b>61 Forsyth Street SW</b> <b>Atlanta, GA 30303</b>

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### F. NESHAP - CONDITIONS

Condition Number	Condition
F.3	(Boilers) 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, Subpart A, General Provisions and Subpart JJJJJJ, National Emission Standards for Area Sources: Industrial/Commercial/Institutional Boilers. Existing affected sources shall be in compliance with the requirements of these Subparts on the compliance date, unless otherwise noted. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.
F.4	(Boilers) In accordance with 40 CFR 63.11195 the source is not subject to 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and JJJJJJ – Industrial, Commercial, and Institutional Boilers Area Sources if the gas fired boiler, as defined in 40 CFR 63.11237, burns natural gas as primary fuel and burns fuel oil only during natural gas curtailment, gas supply emergency, or periodic testing on liquid fuel. Periodic testing on liquid fuel shall not exceed a combined total of 48 hours during any calendar year. If the gas fired boiler uses fuel oil outside of natural gas curtailment, gas supply emergency, or periodic testing on liquid fuel as defined in 40 CFR 63.11237, the boiler will be subject to Subpart JJJJJJ.
F.5	(Stationary IC Engines) This facility is subject to the provisions of 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and NESHAP for Stationary Reciprocating Internal Combustion Engines. Existing affected sources shall comply with the applicable provisions by the compliance date specified in Subpart ZZZZ. Any new affected sources shall comply with the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart IIII for compression ignition engines or 40 CFR 60, Subpart JJJJ for spark ignition engines upon initial start-up unless otherwise noted.
F.6	(Wood Preserving) This facility is subject to the provisions of 40 CFR 63, National Emission Standards for Hazardous Air Pollutants, Subparts A, General Provisions, and Subpart QQQQQQ, The Hazardous Air Pollutants for Wood Preserving Area Sources. Any new affected sources shall comply with the requirements of these subparts upon initial startup, unless otherwise noted.

### G. PERIODIC REPORTING SCHEDULE

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

# General State Operating Permit for Sawmill Operations

## H. REPORTING CONDITIONS

Condition Number	Condition
H.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Periodic Reporting Schedule of this permit.
H.2	All reports and notifications required under this permit shall be submitted to the person indicated in the specific condition at the following address: <p style="text-align: center;"><b>2600 Bull Street</b> <b>Columbia, SC 29201</b></p> The contact information for the local EQC Regional office can be found at: <p style="text-align: center;"><b><a href="http://www.scdhec.gov">http://www.scdhec.gov</a></b></p>
H.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.
H.4	(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 Regional office within 24 hours after the beginning of the occurrence.  The owner or operator shall also submit a written report within 30 days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality and shall include, at a minimum, the following: <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>

## I. GENERAL CONDITIONS

Condition Number	Condition
I.1	The owner or operator shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning."
I.2	The owner or operator shall comply with S.C. Regulation 61-62.3 "Air Pollution Episodes."
I.3	The owner or operator shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions."
I.4	This permit may be reopened by the Department for cause or to include any new standard or regulation which becomes applicable to a source during the life of the permit.

# General State Operating Permit for Sawmill Operations

### I. GENERAL CONDITIONS

Condition Number	Condition
1.5	This permit may be modified by the Department for cause, to include any applicable requirement or to add or alter a permit's expiration date.
1.6	This permit only covers equipment while physically present at the indicated facility. Unless the permit specifically provides for the equipment relocation, this permit is void for an item of equipment on the day it is removed from the permitted facility.
1.7	The permittee shall pay permit fees to the Department in accordance with the requirements of S.C. Regulation 61-30, Environmental Protection Fees.
1.8	<p>In the event of an emergency, as defined in S.C. Regulation 61-62.1, Section II.L, the owner or operator shall demonstrate the affirmative defense of an emergency 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 minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and</li> <li>4. The owner or operator gave a verbal notification of the emergency to the Department within 24 hours of the time when emission limitations were exceeded, followed by a written report within 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 viii. The written report shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</li> </ol> <p>In any enforcement action, the owner or operator seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency, or upset provision contained in any applicable requirement.</p>
1.9	<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>

# General State Operating Permit for Sawmill Operations

## I. GENERAL CONDITIONS

Condition Number	Condition
I.10	(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.