



Office of Environmental Quality Control

Bureau of Air Quality

Title V Operating Permit

Arclin Surfaces - Blythewood
1051 Jenkins Brother Road
Blythewood, South Carolina 29016
Richland County

In accordance with the provisions of the *Pollution Control Act*, Sections 48-1-50(5) and 48-1-110(a), the 1976 *Code of Laws of South Carolina*, as amended, and *South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards*, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the Title V permit application received on February 23, 2012, as amended.

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

Permit Number: TV-1900-0093

Issue Date: November 14, 2013

Effective Date: January 1, 2014

Renewal Due Date: June 30, 2018

Expiration Date: December 31, 2018

Director, Engineering Services Division
Bureau of Air Quality

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A. EMISSION UNIT DESCRIPTION

| Emission Unit ID | Emission Unit Description |
|------------------|--|
| 01 | Boiler |
| 02 | Paper Treater #1 – (Moved to ID 09) |
| 03 | Paper Treater #2 – (Moved to ID 09) |
| 04 | Paper Treater #3 – (Moved to ID 09) |
| 05 | Paper Treater #4 – (Moved to ID 09) |
| 06 | Panel Saw – (Moved to Insignificant Activities Table) |
| 07 | Chopper/ Blower – VOID |
| 08 | Roll Saw |
| 09 | Treaters |

B EQUIPMENT AND CONTROL DEVICE(S)

B.1 EQUIPMENT FOR EMISSION UNIT 01 - Boiler

| Equipment ID | Equipment Description | Installation Date/ Modification Date | Control Device ID | Emission Point ID |
|--------------|--|--------------------------------------|-------------------|-------------------|
| 0818 | 9.4 million Btu/hr natural gas and No. 2 fuel oil fired Thermal Oil System Boiler (provides heat for T-11 and T-12 and heats process water as needed). | 1988 / 2011 | N/A | EP-08 |

B.2 CONTROL DEVICE(S) FOR EMISSION UNIT ID 01 - Boiler

| Control Device ID | Control Device Description | Installation Date/ Modification Date | Pollutant(s) Controlled |
|-------------------|----------------------------|--------------------------------------|-------------------------|
| N/A | N/A | N/A | N/A |

B.3 EQUIPMENT FOR EMISSION UNIT 08 – Roll Saw

| Equipment ID | Equipment Description | Installation Date/ Modification Date | Control Device ID | Emission Point ID |
|--------------|-----------------------|--------------------------------------|-------------------|-------------------|
| RS-2 | Roll Cutter #2 | 2000 | CD-01 | EP-D2 |

B.4 CONTROL DEVICE(S) FOR EMISSION UNIT ID 08 – Roll Saw

| Control Device ID | Control Device Description | Installation Date/ Modification Date | Pollutant(s) Controlled |
|-------------------|----------------------------|--------------------------------------|-------------------------|
| CD-01 | Dust Collector | 1999 | PM |

B.5 EQUIPMENT FOR EMISSION UNIT 09 – Treaters

| Equipment ID | Equipment Description | Installation Date/ Modification Date | Control Device ID | Emission Point ID |
|--------------|--|--------------------------------------|-------------------|-------------------|
| T-11 | Treater T-11, utilized for treating and drying paper (melamine process). | 1988 | N/A | EP-33 |

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B.5 EQUIPMENT FOR EMISSION UNIT 09 – Treaters

| Equipment ID | Equipment Description | Installation Date/Modification Date | Control Device ID | Emission Point ID |
|--------------|---|-------------------------------------|-------------------|-------------------|
| T-12 | Treater T-12, utilized for both treating and coating paper (melamine or fiberglass process) and equipped with a natural gas-fired heater (1.37 MMBTU/hr heat input rating to supplement heat from boiler) | 1989 | N/A | N/A |
| T-13 | Treater T-13, with 8.6 million Btu/hr natural gas fired heater, utilized for treating and drying paper. (melamine process) | 1998 | N/A | EP-33 |
| T-14 | Treater with 9.9 million Btu/hr natural gas fired heater, utilized for treating and drying paper (melamine process). | 1998 | N/A | EP-33 |

B.6 CONTROL DEVICE(S) FOR EMISSION UNIT ID 09 – Treaters

| Control Device ID | Control Device Description | Installation Date/Modification Date | Pollutant(s) Controlled |
|-------------------|----------------------------|-------------------------------------|-------------------------|
| N/A | N/A | N/A | N/A |

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

| Condition Number | Condition |
|------------------|--|
| C.1 | <p>Emission Unit ID: All</p> <p>Equipment/Control Device ID: All</p> <p>Equipment capacities provided under the Equipment Description column of the Equipment Tables above are not intended to be permit limits unless otherwise specified within the Table of Conditions for the particular equipment. However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.</p> |
| C.2 | <p>Emission Unit ID: All</p> <p>Equipment/Control Device ID: All</p> <p>(S.C. Regulation 61-62.1, Section II.J) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. An owner, operator, or representative 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 and shall be made available to a Department representative upon request.</p> |
| C.3 | <p>Emission Unit ID: 08</p> <p>Equipment/Control Device ID: CD-01</p> <p>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> |
| C.4 | Emission Unit ID: 08 |

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

| Condition Number | Condition |
|------------------|--|
| | <p>Equipment/Control Device ID: CD-01</p> <p>All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (i.e., pressure drop readings, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall indicate such.</p> <p>Any alternative method for monitoring control device performance must be preapproved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.</p> |
| C.5 | <p>Emission Unit ID: 08</p> <p>Equipment/Control Device ID: CD-01</p> <p>Operational ranges for the monitored parameters have been established to provide a reasonable assurance of compliance. These operational ranges for the monitored parameters were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment in compliance. The facility shall maintain previously established operational ranges for these monitored parameters. The operating ranges may be updated using this procedure, following submittal to the Bureau.</p> |
| C.6 | <p>Emission Unit ID: 01, 09</p> <p>Equipment/Control Device ID: 0818, T-11, T-12, T-13, T-14</p> <p>Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.</p> |

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| | |
|------|---|
| C.7 | <p>Emission Unit ID: 01 Equipment/Control Device ID: 0818</p> <p>In accordance with SC Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations, ID01 – Boiler shall not discharge into the ambient air smoke which exceeds an opacity of 20%. The opacity standards set forth above apply at all times. 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> <p>The permittee shall perform a visual inspection on a weekly basis. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports of these logs. If there are no incidences, a letter should be submitted semiannually stating such.</p> |
| C.8 | <p>Emission Unit ID: 01</p> <p>Equipment/Control Device ID: 0818</p> <p>In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section II - Particulate Matter Emissions, the allowable discharge of particulate matter resulting from the fuel burning operations is 0.6 pounds per million BTU input.</p> |
| C.9 | <p>Emission Unit ID: 01</p> <p>Equipment/Control Device ID: 0818</p> <p>In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of sulfur dioxide (SO₂) resulting from the fuel burning operations is 3.5 pounds per million BTU input.</p> |
| C.10 | <p>Emission Unit ID: 01</p> <p>Equipment/Control Device ID: 0818</p> <p>The Boiler is permitted to burn only natural gas and No. 2 fuel oil with a sulfur content of 0.5% by weight as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> |
| C.11 | <p>Emission Unit ID: 08, 09</p> <p>Equipment/Control Device ID: RS-2, T-11, T-12, T-13, T-14</p> <p>In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%</p> <p>(Equip IDs: T-11 – T-14)The permittee shall perform a visual inspection on a monthly basis. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports of these logs. If there are no incidences, a letter should be submitted semiannually stating such.</p> |
| C.12 | <p>Emission Unit ID: 08</p> <p>Equipment/Control Device ID: RS-2</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: For process weight rates less than or equal to 30 tons per hour</p> |

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| | $E = (F) 4.10P^{0.67}$ and For process weight rates greater than 30 tons per hour $E = (F) 55.0P^{0.11} - 40$ 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 | | | | |
|---------------------------|---|-----------------------|-------------------------------------|---------------------------|------|
| | For the purposes of compliance with this condition, the process boundaries are defined as follows: | | | | |
| | <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Process/Equipment IDs</th> <th style="text-align: center;">Max Process Weight Rate (ton/hr)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Roll Saw Operation – RS-2</td> <td style="text-align: center;">3.56</td> </tr> </tbody> </table> | Process/Equipment IDs | Max Process Weight Rate (ton/hr) | Roll Saw Operation – RS-2 | 3.56 |
| Process/Equipment IDs | Max Process Weight Rate (ton/hr) | | | | |
| Roll Saw Operation – RS-2 | 3.56 | | | | |
| | The owner/operator shall continue to operate and maintain pressure drop gauge(s) on the baghouse. Pressure drop readings shall be recorded weekly during source operation. The baghouse(s) shall be in place and operational whenever processes controlled by the baghouse(s) are running, except during periods of baghouse malfunction or mechanical failure. | | | | |
| | The following operation and maintenance checks will be made on at least a weekly basis for all baghouses: | | | | |
| | <ul style="list-style-type: none"> a) The baghouse cleaning systems will be checked for proper operation. b) Check dust collection hoppers and conveying systems for proper operation. | | | | |

D. RESERVED

E. MODELING REQUIREMENTS

| Condition Number | Condition |
|------------------|---|
| E.1 | <p>Air dispersion modeling analysis or other information has demonstrated that emissions from this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air quality standard. Any changes in the parameters used in the air dispersion modeling 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 - Modeled Emission Rates of this permit. Higher emission rates may be administratively incorporated into Attachment - Modeled Emission Rates 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 - Modeled Emission Rates, not to exceed the pollutant limitations of this conditional major operating permit. Should the facility wish to increase the emission rates listed in Attachment - Modeled Emission Rates, 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> |

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F. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY

| NESHAP Part | NESHAP Subpart | Compliance Monitoring Report Submittal Frequency | Reporting Period | Report Due Date |
|-------------|----------------|--|---|---|
| 63 | ZZZZ | N/A | N/A | N/A |
| 63 | JJJJ | Semiannual | January-June April-September July-December October-March | July 30 th October 30 th January 30 th April 30 th |

1. This table summarizes only the periodic compliance reporting schedule. Additional reports may be required. See specific NESHAP Subpart for additional reporting requirements and associated schedule.
2. This reporting schedule does not supersede any other reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, 40 CFR Part 63, and/or Title V. The MACT reporting schedule may be adjusted to coincide with the Title V reporting schedule with prior approval from the Department in accordance with 40 CFR Part 63.10.a.5. This request may be made 1 year after the compliance date for the associated MACT standard.

G NESHAP - CONDITIONS

| Condition Number | Condition |
|------------------|--|
| G.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. |
| G.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: US EPA, Region 4 Air, Pesticides and Toxics Management Division 61 Forsyth Street Atlanta, GA 30303 |
| G.3 | This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and Subpart ZZZZ: Stationary Reciprocating Internal Combustion Engines. 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. |
| G.4 | This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and JJJJ: National Emission Standards For Hazardous Air Pollutants: Paper And Other Web Coating. 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. |

H. TITLE V PERIODIC REPORTING SCHEDULE

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

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H. TITLE V PERIODIC REPORTING SCHEDULE

| Compliance Monitoring Report Submittal Frequency | Reporting Period (Begins on the effective date of the permit) | Report Due Date |
|--|--|-----------------|
| 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. | | |

I. TITLE V COMPLIANCE CERTIFICATION REPORTING SCHEDULE

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

J. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

| Condition Number | Condition |
|---------------------|--|
| J.1 | Reporting required in this permit, shall be submitted in a timely manner as directed in the Title V Periodic Reporting Schedule and the Title V Compliance Certification Reporting Schedule of this permit. All required reports must be certified by a responsible official consistent with S.C. Regulation 61-62.70.5.d. |
| J.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;">2600 Bull Street Columbia, SC 29201</p> The contact information for the local EQC Regional office can be found at: http://www.scdhec.gov/environment/envserv/regions.htm . |
| J.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. |
| J.4 | All Title V Annual Compliance Certifications shall be sent to the US EPA, Region 4, Air Enforcement Branch and to the Manager of the Technical Management Section, Bureau of Air Quality. <p style="text-align: center;">US EPA, Region 4 Air Enforcement Branch 61 Forsyth Street Atlanta, GA 30303</p> |
| J.5 | (S.C. Regulation 61-62.70.6.a.3.ii) The owner/operator shall comply, where applicable, with the following monitoring/support information collection and retention record keeping requirements: 1. Records of required monitoring information shall include the following: a. The date, place as defined in the permit, and time of sampling or measurements; b. The date(s) analyses were performed; c. The company or entity that performed the analyses; d. The analytical techniques or methods used; e. The results of such analyses; and f. The operating conditions as existing at the time of sampling or measurement; 2. Records of all required monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. |

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J. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

| Condition Number | Condition |
|------------------|--|
| J.6 | <p>In accordance with S.C. Regulation 61-62.1, Section II.J, for sources not required to have continuous emissions monitors, any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the Department's local Environmental Quality Control (EQC) Regional office within twenty-four (24) hours after the beginning of the occurrence.</p> <p>The owner or operator shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality (BAQ) and shall include as a minimum, the following:</p> <ol style="list-style-type: none"> 1. The identity of the stack and/or emission point where the excess emissions occurred; 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; 3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction; 7. The steps taken to limit the excess emissions; and, 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. |
| J.7 | <p>(S.C. Regulation 61-62.70.6.c.5.iii) The responsible official shall certify, annually, compliance with the conditions of this permit as required under S.C. Regulation 61-62.70.6.c. The compliance certification shall include the following:</p> <ol style="list-style-type: none"> 1. The identification of each term or condition of the permit that is the basis of the certification. 2. The identification of the method(s) or means used by the owner or operator for determining the compliance status with each term and condition of the permit during the certification period. 3. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in S.C. Regulation 61-62.70.6.c.5.iii.B. The certification shall identify each deviation and take it into account in the compliance certification. 4. Such other facts as the Department may require to determine the compliance status of the source. |
| J.8 | <p>(S.C. Regulation 61-62.1, Section II.M) Within 30 days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner/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/operator for the facility; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.</p> |

K. RESERVED

L. PERMIT SHIELD

| Condition Number | Condition |
|------------------|--|
| L.1 | <p>(S.C. Regulation 61-62.70.6.f) A copy of the "applicability determination" submitted with the Part 70 permit application is included as Attachment – Applicable and Non-Applicable Federal and State Regulations. With the exception of those</p> |

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L. PERMIT SHIELD

| Condition Number | Condition | | | | | | | | | | | | | | | | |
|---|--|--------------------------|---|---|------------------------------------|--|---|---|---|--|--|--|---|--|--|--|---|
| | <p>listed below, compliance with the terms and conditions of this permit shall be deemed compliance with the applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in the permit. Exceptions to this are stated below in the <i>Permit Shield Exceptions</i> Table. The owner/operator shall also be shielded from the non-applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations. Exceptions to this are stated below in the <i>Permit Shield Exceptions</i> Table.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Permit Shield Exceptions</th> </tr> </thead> <tbody> <tr><td>SC Regulation 61-62.1, Definitions and General Requirements</td></tr> <tr><td>SC Regulation 61-62.5, Standard No. 3, Waste Combustion and Reduction</td></tr> <tr><td>SC Regulation 61-62.60, Subpart Dc</td></tr> <tr><td>SC Regulation 61-62.61, Subpart M, National Emission Standard for Asbestos</td></tr> <tr><td>SC Regulation 61-62.63, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories</td></tr> <tr><td>40 CFR 50, National Primary & Secondary Ambient Air Quality Standards, Appendices A-H</td></tr> <tr><td>40 CFR 51, Requirements for Preparation, Adoption & Submittal of Implementation Plans</td></tr> <tr><td>40 CFR 52, Approval & Promulgation of Implementation Plans</td></tr> <tr><td>40 CFR 53, Ambient Air Monitoring Reference & Equivalent Methods</td></tr> <tr><td>40 CFR 61 Subpart M, National Emission Standard for Asbestos</td></tr> <tr><td>40 CFR 67, EPA Approval of State Non-Compliance Penalty Program</td></tr> <tr><td>40 CFR 79, Registration of Fuel and Fuel Additives</td></tr> <tr><td>40 CFR 80, Registration of Fuel and Fuel Additives</td></tr> <tr><td>40 CFR 81, Designation of Area for Air Quality Planning Purposes</td></tr> <tr><td>40 CFR 85-92, Applies to Control of Air Pollution from Mobile Sources</td></tr> </tbody> </table> <p>Nothing in the permit shield or in any Part 70 permit shall alter or affect the provisions of Section 303 of the Act, Emergency Orders, of the Clean Air Act; the liability of the owner/operator for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the Acid Rain Program, consistent with Section 408.a of the Clean Air Act; or the ability of US EPA to obtain information from a source pursuant to Section 114 of the Clean Air Act. In addition, the permit shield shall not apply to emission units in noncompliance at the time of permit issuance, minor permit modifications (S.C. Regulation 61-62.70.7.e.2), group processing of minor permit modifications (S.C. Regulation 61-62.70.7.e.3), or operational flexibility (S.C. Regulation 61-62.70.7.e.5.i), except as specified in S.C. Regulation 61-62.70.7.e.5.iii.</p> | Permit Shield Exceptions | SC Regulation 61-62.1, Definitions and General Requirements | SC Regulation 61-62.5, Standard No. 3, Waste Combustion and Reduction | SC Regulation 61-62.60, Subpart Dc | SC Regulation 61-62.61, Subpart M, National Emission Standard for Asbestos | SC Regulation 61-62.63, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories | 40 CFR 50, National Primary & Secondary Ambient Air Quality Standards, Appendices A-H | 40 CFR 51, Requirements for Preparation, Adoption & Submittal of Implementation Plans | 40 CFR 52, Approval & Promulgation of Implementation Plans | 40 CFR 53, Ambient Air Monitoring Reference & Equivalent Methods | 40 CFR 61 Subpart M, National Emission Standard for Asbestos | 40 CFR 67, EPA Approval of State Non-Compliance Penalty Program | 40 CFR 79, Registration of Fuel and Fuel Additives | 40 CFR 80, Registration of Fuel and Fuel Additives | 40 CFR 81, Designation of Area for Air Quality Planning Purposes | 40 CFR 85-92, Applies to Control of Air Pollution from Mobile Sources |
| Permit Shield Exceptions | | | | | | | | | | | | | | | | | |
| SC Regulation 61-62.1, Definitions and General Requirements | | | | | | | | | | | | | | | | | |
| SC Regulation 61-62.5, Standard No. 3, Waste Combustion and Reduction | | | | | | | | | | | | | | | | | |
| SC Regulation 61-62.60, Subpart Dc | | | | | | | | | | | | | | | | | |
| SC Regulation 61-62.61, Subpart M, National Emission Standard for Asbestos | | | | | | | | | | | | | | | | | |
| SC Regulation 61-62.63, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories | | | | | | | | | | | | | | | | | |
| 40 CFR 50, National Primary & Secondary Ambient Air Quality Standards, Appendices A-H | | | | | | | | | | | | | | | | | |
| 40 CFR 51, Requirements for Preparation, Adoption & Submittal of Implementation Plans | | | | | | | | | | | | | | | | | |
| 40 CFR 52, Approval & Promulgation of Implementation Plans | | | | | | | | | | | | | | | | | |
| 40 CFR 53, Ambient Air Monitoring Reference & Equivalent Methods | | | | | | | | | | | | | | | | | |
| 40 CFR 61 Subpart M, National Emission Standard for Asbestos | | | | | | | | | | | | | | | | | |
| 40 CFR 67, EPA Approval of State Non-Compliance Penalty Program | | | | | | | | | | | | | | | | | |
| 40 CFR 79, Registration of Fuel and Fuel Additives | | | | | | | | | | | | | | | | | |
| 40 CFR 80, Registration of Fuel and Fuel Additives | | | | | | | | | | | | | | | | | |
| 40 CFR 81, Designation of Area for Air Quality Planning Purposes | | | | | | | | | | | | | | | | | |
| 40 CFR 85-92, Applies to Control of Air Pollution from Mobile Sources | | | | | | | | | | | | | | | | | |

M. GENERAL FACILITY WIDE

| Condition Number | Condition |
|------------------|--|
| M.1 | The owner/operator shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning." |
| M.2 | The owner/operator shall comply with S.C. Regulation 61-62.3 "Air Pollution Episodes." |
| M.3 | The owner/operator shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions." |
| M.4 | The owner/operator shall comply with S.C. Regulation 61-62.6 "Control of Fugitive Particulate Matter", Section III "Control of Fugitive Particulate Matter Statewide." |
| M.5 | The owner/operator shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal. |

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M. GENERAL FACILITY WIDE

| Condition Number | Condition |
|------------------|--|
| M.6 | The owner/operator shall comply with the standards of performance for asbestos abatement operations pursuant to S.C. Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal. |
| M.7 | The owner/operator shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the owner/operator performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the owner/operator is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs. |
| M.8 | (S.C. Regulation 61-62.70.6.a.5) The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby. |
| M.9 | (S.C. Regulation 61-62.70.6.a.6.i) The owner/operator must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the S.C. Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal application. |
| M.10 | (S.C. Regulation 61-62.70.6.a.6.ii) It shall not be a defense for a owner/operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. |
| M.11 | (S.C. Regulation 61-62.70.6.a.6.iii) The permit may be modified, revoked, reopened and reissued, or terminated for cause by the Department. The filing of a request by the owner/operator for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. |
| M.12 | (S.C. Regulation 61-62.70.6.a.6.iv) The permit does not convey any property rights of any sort, or any exclusive privilege. |
| M.13 | (S.C. Regulation 61-62.70.6.a.6.v) The owner/operator shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the owner/operator shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the owner/operator may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the owner/operator furnish such records directly to the Administrator along with a claim of confidentiality. |
| M.14 | (S.C. Regulation 61-62.70.6.a.8) No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. |
| M.15 | (S.C. Regulation 61-62.70.6.c.2) Upon presentation of credentials and other documents as may be required by law, the owner/operator shall allow the Department or an authorized representative to perform the following: <ol style="list-style-type: none"> 1. Enter upon the owner/operator's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit. 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. 3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit. 4. As authorized by the Act and/or the S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. |
| M.16 | (S.C. Regulation 61-62.70.6.g) In the case of an emergency, as defined in S.C. Regulation 61-62.70.6.g.1, the owner/operator shall demonstrate an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: <ol style="list-style-type: none"> 1. An emergency occurred and that the owner/operator can identify the cause(s) of the emergency; 2. The permitted facility was at the time being properly operated; and 3. During the period of the emergency the owner/operator took all reasonable steps to minimize levels of |

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M. GENERAL FACILITY WIDE

| Condition Number | Condition |
|------------------|---|
| | <p>emissions that exceeded the emission standards, or other requirements in the permit; and</p> <p>4. The owner/operator shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of S.C. Regulation 61-62.70.6.a.3.iii.B. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the owner/operator seeking to establish the occurrence of an emergency has the burden of proof.</p> |
| M.17 | (S.C. Regulation 61-62.70.6.a.1.ii) Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator. |
| M.18 | (S.C. Regulation 61-62.70.6.a.4) According to S.C. Regulation 61-62.70.6.a.4, the owner/operator is prohibited from emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act. |
| M.19 | (S.C. Regulation 61-62.70.7.c.1.ii) Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with S.C. Regulation 61-62.70.5.a.1.iii, 62.70.5.a.2.iv, and 62.70.7.b. In this case, the permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the permit including any permit shield that may be granted pursuant to S.C. Regulation 61-62.70.6.f shall remain in effect until the renewal permit has been issued or denied. |
| M.20 | Requests for permit modification and amendments shall be submitted on the appropriate Department approved Title V Modification Form(s). |
| M.21 | (S.C. Regulation 61-62.70.6.a.7) The owners or operators of Part 70 sources shall pay fees to the Department consistent with the fee schedule approved pursuant to S.C. Regulation 61-62.70.9. Failure to pay applicable fee can be considered grounds for permit revocation. |
| M.22 | (S.C. Regulation 61-62.1, Section III) The owners or operators of Part 70 sources shall complete and submit a new updated emissions inventory consistent with the schedule approved pursuant to S.C. Regulation 61-62.1, Section III. These Emissions Inventory Reports shall be submitted to the Manager of the Emissions Inventory Section, Bureau of Air Quality. |
| | This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility. |
| M.23 | This permit expressly incorporates insignificant activities. Emissions from these activities shall be included in the emissions inventory submittals as required by S.C. Regulation 61-62.1, Section III.C.2.g. |

Attachment - Modeled Emission Rates

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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see Modeling Condition(s)).

| STANDARD NO. 2 - MODELED AAQS EMISSION RATES (LBS/HR) | | | | | | | |
|--|------------------------|-------------------------|-----------------------|-----------------------|-----------|-------------|-----------|
| STACK ID | PM₁₀ | PM_{2.5} | SO₂ | NO_x | CO | Lead | HF |
| EP-08 | -- | -- | 4.77 | 1.34 | -- | -- | -- |
| FACILITY TOTAL | -- | -- | 4.77 | 1.34 | -- | -- | -- |

| STANDARD NO. 2 and 7 - EXEMPTED AAQS EMISSION RATES (LBS/HR) | | | | | | | |
|---|------------------------|-------------------------|-----------------------|-----------------------|-----------|-------------|-----------|
| STACK ID | PM₁₀ | PM_{2.5} | SO₂ | NO_x | CO | Lead | HF |
| EP-08 | 0.16 | 0.14 | -- | -- | 0.77 | -- | -- |
| EP-33 (from 503) | 0.06 | 0.06 | 0.01 | 0.84 | 0.71 | -- | -- |
| EP-33 (from 504) | 0.07 | 0.07 | 0.01 | 0.97 | 0.82 | -- | -- |
| EP-36 | 0.01 | 0.01 | 0.001 | 0.13 | 0.11 | -- | -- |
| EP-D2 | 0.09 | 0.09 | -- | -- | -- | -- | -- |
| IA-BP18-B22 | 0.005 | 0.005 | 0.0004 | 0.061 | 0.052 | -- | -- |
| IA-BP36-BP43 | 0.007 | 0.007 | 0.001 | 0.094 | 0.079 | -- | -- |
| IA-BP-45 | 0.002 | 0.002 | 0.0002 | 0.027 | 0.023 | -- | -- |
| IA-BP-46 | 0.008 | 0.008 | 0.001 | 0.108 | 0.091 | -- | -- |
| FACILITY TOTAL | 0.4120 | 0.3920 | 0.0236 | 2.2300 | 2.6550 | -- | -- |

| STANDARD NO. 7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (LBS/HR) | | | | |
|--|--------------------------------------|-------------------------|-----------------------|-----------------------|
| STACK ID | Minor Source Baseline Date(s) | | | |
| | 5/20/81 | None | 5/20/81 | 10/26/88 |
| | PM₁₀ | PM_{2.5} | SO₂ | NO_x |
| EP-08 | -- | -- | 4.77 | 1.34 |
| FACILITY TOTAL | -- | -- | 4.77 | 1.34 |

Attachment - Applicable and Non-Applicable Federal and State Regulations

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The following contains the Federal and South Carolina air pollution regulations and their applicability, as specified in the Part 70 permit application.

| APPLICABILITY DETERMINATION | | |
|---|---|----------------------------------|
| Citation | Regulation | Applicable (Yes / No) |
| SC Regulation 61-62.1 | Definitions and General Requirements | Yes |
| SC Regulation 61-62.2 | Prohibition of Open Burning | Yes |
| SC Regulation 61-62.4 | Hazardous Air Pollution Conditions | Yes |
| SC Regulation 61-62.5, Standard No. 1 | Emissions From Fuel Burning Operations | Yes |
| SC Regulation 61-62.5, Standard No. 2 | Ambient Air Quality Standards | Yes |
| SC Regulation 61-62.5, Standard No. 3 | Waste Combustion and Reduction | Yes |
| SC Regulation 61-62.5, Standard No. 4 | Emissions from Process Industries | Yes |
| SC Regulation 61-62.5, Standard No. 8 | Toxic Air Pollutants | Yes |
| SC Regulation 61-62.60 | See New Source Performance Standards | Yes |
| SC Regulation 61-62.7 | Good Engineering Practice Stack Height | Yes |
| SC Regulation 61-62.70 | Title V Operating Permit Program | Yes |
| SC Regulation 61-62.3 | Air Pollution Episodes | No |
| SC Regulation 61-62.5, Standard No. 3.1 | Hospital, Medical, Infectious Waste Incinerators | No |
| SC Regulation 61-62.5, Standard No. 5 | Volatile Organic Compounds | No |
| SC Regulation 61-62.5, Standard No. 5.1 | BACT/LAER Applicable to Volatile Organic Compounds | No |
| SC Regulation 61-62.5, Standard No. 6 | Alternative Emission Limitation Options | No |
| SC Regulation 61-62.6 | Control of Fugitive Particulate Matter | No |
| SC Regulation 61-62.63 | National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories | No |
| SC Regulation 61-62.68 | Chemical Accident Prevention Provisions | No |
| SC Regulation 61-62.72 | Acid Rain | No |
| SC Regulation 61-62.60 | Subpart A | Yes |
| SC Regulation 61-62.60 | Subpart Dc | Yes |
| SC Regulation 61-62.60 | Subpart Kb | No |
| 40 CFR 50 | National Primary & Secondary Ambient Air Quality Standards, Appendices A-H | Yes |
| 40 CFR 70 | State Operating Program | Yes |
| 40 CFR 82 | Stratospheric Ozone Protection | No |
| 40 CFR 60 | Subparts B-C, E-J, AAA-VVV; Subparts D, Da, Db; Subpart K, Kb, Ka | No |
| 40 CFR 51 | Requirements for Preparation, Adoption & Submittal of Implementation Plans | No |
| 40 CFR 52 | Approval & Promulgation of Implementation Plans | No |
| 40 CFR 53 | Ambient Air Monitoring Reference & Equivalent Methods | No |
| 40 CFR 67 | EPA Approval of State Non-Compliance Penalty Program | No |
| 40 CFR 72 | Permit Regulations | No |

Attachment - Applicable and Non-Applicable Federal and State Regulations

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| APPLICABILITY DETERMINATION | | |
|------------------------------------|---|----------------------------------|
| Citation | Regulation | Applicable (Yes / No) |
| 40 CFR 73 | SO Allowance Systems | No |
| 40 CFR 75 | Continuous Emission Monitoring | No |
| 40 CFR 76 | Acid Rain NO _x Emission Reduction Program | No |
| 40 CFR 77 | Excess Emissions | No |
| 40 CFR 79 | Registration of Fuel and Fuel Additives | No |
| 40 CFR 80 | Registration of Fuel and Fuel Additives | No |
| 40 CFR 81 | Designation of Area for Air Quality Planning Purposes | No |
| 40 CFR 85-92 | Applies to Control of Air Pollution from Mobile Sources | No |