



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

**Flakeboard-Bennettsville MDF dba Arauco North America  
579 Willamette Road  
Bennettsville, South Carolina 29512  
Marlboro County  
(Permit Updated 7/25/18)**

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), and 48-1-110(a), the 1976 Code of Laws of South Carolina, as amended, and South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards, the Bureau of Air Quality authorizes the 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 June 24, 2014, 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-1680-0046**

<b>Issue Date:</b>	<b>April 16, 2015</b>	<b>Effective Date:</b>	<b>July 1, 2015</b>
<b>Expiration Date:</b>	<b>December 31, 2019</b>	<b>Renewal Due Date:</b>	<b>June 30, 2020</b>

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

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<b>RECORD OF REVISIONS</b>		
<b>Date</b>	<b>Type</b>	<b>Description of Changes</b>
04-06-2016	MM	The removal of the reference to Standard 5.1 and associated source test requirements. Changes to Conditions C.15 and C.17. Update to the process weight rates in Condition C.8. Change to newest permit template.
10-30-2017	MM	Incorporate construction permit 1680-0046-CV to remove controls for the facility's board cooler, Equipment ID E8. With this modification the board cooler will: <ul style="list-style-type: none"><li>• Remains subject to conditions; C.6, C.8, and C.15,</li><li>• Become subject to Condition C.7, Equipment ID E8 will be added to the equipment list.</li></ul> The permit was updated to the new template.
07-25-2018	MM	The facility has requested incorporation of construction permit 1680-0046-CW into the operating permit.

AA Administrative Amendment  
MM Minor Modification  
SM Significant Modification

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**A. EMISSION UNIT DESCRIPTION**

<b>Emission Unit ID</b>	<b>Emission Unit Description</b>
01	Raw Material Reclaim System
02	Refiner System with Cyclone
03	Drying System
04	Forming System
05	Press System
06	Finishing System
07	VOID - Thermal Catalytic Oxidizers
08	Sanderdust Boiler and Sanderdust Silo

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

**B.1 EQUIPMENT FOR EMISSION UNIT 01 - Raw Material Reclaim System**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation/Modification Date</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
E1F	Material Transfer System Face, Face Raw Material Primary Baghouse (C1)	1991	None	ES1F
E1C	Material Transfer System Core, Core Raw Material Primary Baghouse (C2)	1991	None	ES1C

**B.2 EQUIPMENT FOR EMISSION UNIT 02 - Refiner System**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation/Modification Date</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
E15F	Refiner/Digester - Face	1991	C19	ES14
E15C	Refiner/Digester - Core	1991	C19	ES14
E2	Refiner Dump Vault, Refiner Dump Cyclone (C3)	1991	None	ES2

**B.3 CONTROL DEVICE(S) FOR EMISSION UNIT 02 - Refiner System**

<b>Control Device ID</b>	<b>Control Device Description</b>	<b>Installation/Modification Date</b>	<b>Pollutant(s) Controlled</b>
CD-C19	Core Thermal Catalytic Oxidizer	1999/2007	PM, PM <sub>10</sub> , VOC, HAPs

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**B.4 EQUIPMENT FOR EMISSION UNIT 03 – Drying System**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation/Modification Date</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
E3F	45x10 <sup>6</sup> BTU/hr natural gas fired Primary Stage Dryer – Face, Face Primary Dryer Cyclones (C4, C5)	1991 / 1994 / 2008 / 2010	C22	ES15
E3C	45x10 <sup>6</sup> BTU/hr natural gas fired Primary Stage Dryer – Core, Core Primary Dryer Cyclones (C6, C7)	1991 / 1994 / 2008 / 2010	C19	ES14
E4F	Relay Dryer – Face, Face Relay Dryer Cyclone (C8) and inherent Relay Dryer Baghouse (C10)	1991 / 2007	C19	ES14
E4C	Relay Dryer – Core, Core Relay Dryer Cyclone (C9) and inherent Core Relay Dryer Baghouse (C11)	1991 / 2007	C19	ES14

**B.5 CONTROL DEVICE(S) FOR EMISSION UNIT 03 – Drying System**

<b>Control Device ID</b>	<b>Control Device Description</b>	<b>Installation/Modification Date</b>	<b>Pollutant(s) Controlled</b>
C19	Core Thermal Catalytic Oxidizer	1999/2007	PM, PM <sub>10</sub> , VOC, HAPs
C22	Face Thermal Catalytic Oxidizer	2008	PM, PM <sub>10</sub> , VOC, HAPs

**B.6 EQUIPMENT FOR EMISSION UNIT 04 – Forming System**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation/Modification Date</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
E5	Former Vacuum System, Vacuum System Baghouse (C12)	1991	None	ES5
E6F/E6C	Former Shave-off System - Face/Core, Forming Clean-up Filter (C13)	1991	None	ES6

**B.7 EQUIPMENT FOR EMISSION UNIT 05 – Press System**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation/Modification Date</b>	<b>Control Device ID</b>	<b>Emission Point ID</b>
E7	Press System	1991/2007	C20, C21, C19	ES14
E8	Board Cooler	1991/2007/2017	None	ES14a

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**B.8 CONTROL DEVICE(S) FOR EMISSION UNIT 05 – Press System**

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
C19	Core Thermal Catalytic Oxidizer	March 1999/ December 2007 (modification)	PM, PM <sub>10</sub> , VOC, HAPs
C20	Press Enclosure Baghouse	December 2007	PM, PM <sub>10</sub>
C21	Press Enclosure Baghouse	December 2007	PM, PM <sub>10</sub>

**B.9 EQUIPMENT FOR EMISSION UNIT 06 – Finishing System**

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
E9	Primary Sander, Primary Sander Baghouse (C14)	1991	None	ES9
E10	Finishing (Secondary) Sander, Finishing Sander Baghouse (C15)	1991	None	ES10
E12	Saw System, Saw Baghouse (C17)	1991	None	ES12
E13	Board Trim Reclaim System, Saw Reclaim Baghouse (C18)	1991	None	ES13

**B.10 EQUIPMENT FOR EMISSION UNIT 08 – Sanderdust Boiler and Sanderdust Silo**

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
ES-20	99x10 <sup>6</sup> BTU/hr biomass (wood) and natural gas fired boiler	2010	C23	EP-20
ES-21	Sanderdust Silo	2010	C24	EP-21
ES-22	Sanderdust Silo	2018	C25	EP-22

**B.11 CONTROL DEVICE(S) FOR EMISSION UNIT 08 – Sanderdust Boiler and Sanderdust Silo**

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
C23	Multiclone/Dry ESP	2010	PM, PM <sub>10</sub>
C24	Fabric Filter	2010	PM, PM <sub>10</sub>
C25	Baghouse	2018	PM, PM <sub>10</sub> , PM <sub>2.5</sub>

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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	Conditions
C.1	<p><b>Emission Unit ID:</b> All  <b>Equipment ID:</b> All  <b>Control Device ID:</b> All</p> <p>Equipment capacities provided under the Equipment Description column of the Equipment Tables above are not intended to be permit limits unless otherwise specified within the Table of Conditions for the particular equipment. However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.</p>
C.2	<p><b>Emission Unit ID:</b> All  <b>Equipment ID:</b> All  <b>Control Device ID:</b> All</p> <p>(S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least 5 years from the date the record was generated and shall be made available to a Department representative upon request.</p>
C.3	<p><b>Emission Unit ID:</b> 02, 03, 05, 08  <b>Equipment ID:</b> E15F, E15C, E3C, E4F, E4C, E7, E8, ES-20  <b>Control Device ID:</b> C19, C23</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,</p>

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

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

Condition Number	Conditions
	<p>whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test.</p> <p>Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality.</p>
C.4	<p><b>Emission Unit ID:</b> 02, 03, 05, 08  <b>Equipment ID:</b> E15F, E15C, E3C, E4F, E4C, E7, E8, E3F, ES-20, ES-21  <b>Control Device ID:</b> C19, C10, C11, C20, C21, C22, C23, C24</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>
C.5	<p><b>Emission Unit ID:</b> 02, 03, 05, 08  <b>Equipment ID:</b> E15F, E15C, E3C, E4F, E4C, E7, E8, E3F, ES-20, ES-21  <b>Control Device ID:</b> C19, C10, C11, C20, C21, C22, C23, C24</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.6	<p><b>Emission Unit ID:</b> 01, 02, 03, 04, 05, 06, 08  <b>Equipment ID:</b> E1F, E1C, E2, E15F, E15C, E3F, E3C, E4F, E4C, E5, E6F, E6C, E7, E8, E9, E10, E12, E13, EP21, ES-22</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>

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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	Conditions										
C.7	<p><b>Emission Unit ID:</b> 01, 02 03, 04, 05  <b>Equipment ID:</b> E1F, E1C, E2, E5, E6F/E6C, E8  <b>Control Device ID:</b> C19, C22</p> <p>The owner/operator shall perform a visual inspection on a semiannual basis. 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 correction 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. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so.</p>										
C.8	<p><b>Emission Unit ID:</b> 01, 02, 03, 04, 05, 06, 08  <b>Equipment ID:</b> E1F, E1C, E2, E15F, E15C, E3F, E3C, E4F, E4C, E5, E6F, E6C, E7, E8, E9, E10, E12, E13, ES-21, ES-22</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> <p>For the purposes of compliance with this condition, the process boundaries are defined as follows:</p> <table border="1" data-bbox="370 1591 1433 1881"> <thead> <tr> <th>Process/Equipment IDs</th> <th>Max Process Weight Rate (ton/hr)</th> </tr> </thead> <tbody> <tr> <td>01 Raw Material Reclaim System – Material Transfer Face and Core / E1F and E1C (Oven Dried Tons)</td> <td align="center">37.0</td> </tr> <tr> <td>02 Refiner System –Digester Face / E15F (Oven Dried Tons)</td> <td align="center">18.5</td> </tr> <tr> <td>02 Refiner System –Digester Core / E15C (Oven Dried Tons)</td> <td align="center">18.5</td> </tr> <tr> <td>02 Refiner System –Refiner Dump Cyclone / E2 (Oven Dried Tons)</td> <td align="center">18.5</td> </tr> </tbody> </table>	Process/Equipment IDs	Max Process Weight Rate (ton/hr)	01 Raw Material Reclaim System – Material Transfer Face and Core / E1F and E1C (Oven Dried Tons)	37.0	02 Refiner System –Digester Face / E15F (Oven Dried Tons)	18.5	02 Refiner System –Digester Core / E15C (Oven Dried Tons)	18.5	02 Refiner System –Refiner Dump Cyclone / E2 (Oven Dried Tons)	18.5
Process/Equipment IDs	Max Process Weight Rate (ton/hr)										
01 Raw Material Reclaim System – Material Transfer Face and Core / E1F and E1C (Oven Dried Tons)	37.0										
02 Refiner System –Digester Face / E15F (Oven Dried Tons)	18.5										
02 Refiner System –Digester Core / E15C (Oven Dried Tons)	18.5										
02 Refiner System –Refiner Dump Cyclone / E2 (Oven Dried Tons)	18.5										



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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	Conditions		
	03 Drying System-Primary Stage Dryer Face / E3F (Oven Dried Tons)	18.5	
	03 Drying System-Primary Stage Dryer Core / E3C (Oven Dried Tons)	18.5	
	03 Drying System-Relay Dryer Face / E4F (Oven Dried Tons)	18.5	
	03 Drying System-Relay Dryer Core / E4C (Oven Dried Tons)	18.5	
	04 Forming System-Vacuum System / E5 (Oven Dried Tons)	5.5	
	04 Forming System-Shave Off System Face and Core / E6F and E6C (Oven Dried Tons)	11.0	
	05 Press System-Press System and Board Cooler / E7, E8 (Oven Dried Tons)	33.6	
	06 Finishing System- Primary Sander, Finishing Sander / E9, E10	74.0	
	06 Finishing System- Saw System / E12	66.0	
	06 Finishing System-Board Trim Reclaim / E13	42.1	
	Sanderdust Silo 08 / ES-21	7.5	
	08 Sanderdust Silo/ ES-22	5.0	
C.9	<p><b>Emission Unit ID:</b> 03, 05, 08  <b>Control Device ID:</b> C10, C11, C20, C21, C24, C25</p> <p>The owner/operator shall continue to operate and maintain pressure drop gauges on each module of each baghouse or fabric filter. Pressure drop readings for each baghouse or fabric filter shall be recorded weekly during source operation. Operation and maintenance checks shall be made on at least a weekly basis for baghouse or fabric filter 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 malfunction or mechanical failure.</p> <p>Operational ranges for the monitored parameters have been established to ensure proper operation of the pollution control equipment. 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. The facility shall maintain the established ranges and supporting documentation for these monitored parameters. Operating ranges may be updated following submittal to the Director of Engineering Services.</p>		
C.10	<p><b>Emission Unit ID:</b> 02, 03, 05  <b>Control Device ID:</b> C19, C22</p> <p>(S.C. Regulation 61-62.5, Standard 3, Section III) – Opacity from these sources shall not exceed 20%.</p>		

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

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

Condition Number	Conditions
C.11	<p><b>Emission Unit ID:</b> 02, 03, 05  <b>Control Device ID:</b> C19, C22</p> <p>(S.C. Regulation 61-62.5, Standard 3, Section III) – Particulate matter emissions from these sources shall not exceed 0.5 lb/10<sup>6</sup> BTU heat input.</p>
C.12	<p><b>Emission Unit ID:</b> 02, 03, 05  <b>Control Device ID:</b> C19, C22</p> <p>These sources are permitted to burn only natural gas, propane as back-up, and process VOC and HAPs as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department.</p>
C.13	<p><b>Emission Unit ID:</b> 03  <b>Equipment ID:</b> E3F, ESC</p> <p>(S.C. Regulation 61-62.5, Standard 7 – Prevention of Significant Deterioration (PSD)) The owner/operator shall only use natural gas as fuel in the primary dryer panel burners, shall operate and maintain low-NO<sub>x</sub> burners, and shall fire the burners in accordance with the manufacturer’s good combustion practices.</p>
C.14	<p><b>Emission Unit ID:</b> 04  <b>Equipment ID:</b> E5</p> <p><b>Limit:</b> The resin VOC content is limited to &lt; 0.1 weight % free formaldehyde and &lt; 0.5 weight % free methanol.</p> <p><b>Recordkeeping:</b> Supplier formaldehyde and methanol certification shall be obtained at least annually that covers each batch of resin received.</p>
C.15	<p><b>Emission Unit ID:</b> 05  <b>Equipment ID:</b> E7, E8</p> <p>The press production is limited to a maximum production rate of 162,000 MSF/yr (3/4” basis). The owner/operator must record the actual production rates monthly and calculate the 12-month rolling sum. Reports of the production rates and sums shall be submitted semiannually.</p>
C.16	<p><b>Emission Unit ID:</b> 02-06  <b>Equipment ID:</b> E15F, E15C, E3F, E3C, E4F, E4C, E5, E7, E8, E9, E10, E12, E13  <b>Control Device ID:</b> C19, C22</p> <p><b>Limit:</b> The destruction efficiency of the Core TCO (CD-C19) for total VOCs shall be at least 90%.</p>

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

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

Condition Number	Conditions				
C.17	<p><b>Emission Unit ID:</b> 08</p> <p><b>Equipment ID:</b> ES-20</p> <p><b>Limit:</b> (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%. The opacity limit may be exceeded for soot blowing, 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 soot blowing 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.</p> <p><b>Monitoring/Recordkeeping:</b> 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.</p>				
C.18	<p><b>Emission Unit ID:</b> 08</p> <p><b>Equipment ID:</b> ES-20</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section II) The maximum allowable discharge of particulate matter resulting from this source is 0.6 pounds per million BTU input.</p> <p><b>Testing:</b> (S.C. Regulation 61-62.5, Standard 1, Section VI) A source test for particulate matter emissions shall be conducted every 2 years. The source test will be used to show compliance with the particulate matter standard.</p>				
C.19	<p><b>Emission Unit ID:</b> 08</p> <p><b>Equipment ID:</b> ES-20</p> <p>(S.C. Regulation 61-62.5, Standard No. 1, Section III) The maximum allowable discharge of sulfur dioxide (SO<sub>2</sub>) resulting from this source is 2.3 pounds per million BTU input.</p>				
C.20	<p><b>Emission Unit ID:</b> 08</p> <p><b>Equipment ID:</b> ES-20</p> <p><b>Limit:</b> (SC Regulation 61-62.5, Standard 3, Section III) The sanderdust boiler emissions shall be limited as follows:</p> <table border="1" data-bbox="578 1814 1224 1885"> <thead> <tr> <th data-bbox="578 1814 891 1885">Material</th> <th data-bbox="891 1814 1224 1885">Emission Limit (lb/10<sup>6</sup> BTU)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Material	Emission Limit (lb/10 <sup>6</sup> BTU)		
Material	Emission Limit (lb/10 <sup>6</sup> BTU)				

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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	Conditions												
	<table border="1" data-bbox="578 480 1224 701"> <tr> <td>Nickel (Ni)</td> <td>6.0 x10<sup>-3</sup></td> </tr> <tr> <td>Cadmium (Cd)</td> <td>1.0 x10<sup>-4</sup></td> </tr> <tr> <td>Chromium (Cr)</td> <td>7.4 x10<sup>-4</sup></td> </tr> <tr> <td>Arsenic (As)</td> <td>1.7 x10<sup>-3</sup></td> </tr> <tr> <td>Lead (Pb)</td> <td>5.0 x10<sup>-3</sup></td> </tr> <tr> <td>Hydrochloric Acid (HCl)</td> <td>0.45</td> </tr> </table> <p data-bbox="282 779 1518 915"><b>Testing:</b> (SC Regulation 61-62.5, Standard 3, Section VIII.D.6 ) A source test for nickel, cadmium, chromium, arsenic, lead, and hydrochloric acid emissions shall be conducted every 2 years. The source test will be used to show compliance with the pollutant standards in SC Regulation 61-62.5, Standard 3, Table III.</p> <p data-bbox="282 957 683 989">This is a state only requirement.</p>	Nickel (Ni)	6.0 x10 <sup>-3</sup>	Cadmium (Cd)	1.0 x10 <sup>-4</sup>	Chromium (Cr)	7.4 x10 <sup>-4</sup>	Arsenic (As)	1.7 x10 <sup>-3</sup>	Lead (Pb)	5.0 x10 <sup>-3</sup>	Hydrochloric Acid (HCl)	0.45
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Hydrochloric Acid (HCl)	0.45												
C.21	<p data-bbox="282 1001 548 1033"><b>Emission Unit ID:</b> 08</p> <p data-bbox="282 1037 548 1068"><b>Equipment ID:</b> ES-20</p> <p data-bbox="282 1106 1518 1173"><b>Limit:</b> (S.C. Regulation 61-62.5, Standard 7) The filterable PM<sub>10</sub> emissions from the sanderdust boiler shall be limited to 0.025 lb/10<sup>6</sup> BTU (3-hour average).</p> <p data-bbox="282 1211 1518 1278"><b>Testing:</b> (S.C. Regulation 61-62.1, Section II.J.2) A source test for PM<sub>10</sub> emissions shall be conducted every 2 years. The source test will be used to show compliance with the PM<sub>10</sub> limit.</p> <p data-bbox="282 1316 1518 1461"><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall continue to operate and maintain a multiclone and dry electrostatic precipitator (ESP) to control PM, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions. The multiclone and ESP shall be in place and operational whenever the sanderdust boiler is firing sanderdust.</p> <p data-bbox="282 1499 1518 1713">The owner/operator shall electronically log all times at which the sanderdust boiler is firing sanderdust as fuel. The owner/operator shall also electronically log voltage signal showing the ESP is in operation during the times that the sanderdust boiler is firing sanderdust. Each incidence of burning sanderdust without the ESP in operation, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall indicate such.</p> <p data-bbox="282 1751 1518 1892">The owner/operator shall perform maintenance inspections on the multiclone and ESP in accordance with the manufacturer's recommendations to ensure proper operation of the control device. The inspections shall include inspection of the TR sets, rappers, fans, and heater. Documentation of the maintenance activities and any other work performed (emergency, etc.) shall be maintained on site.</p>												

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

Condition Number	Conditions
C.22	<p><b>Emission Unit ID:</b> 08 <b>Equipment ID:</b> ES-20</p> <p><b>Limit:</b> (S.C. Regulation 61-62.5, Standard 7) The NO<sub>x</sub> emissions from the sanderdust boiler shall be limited to 1.23 lb/10<sup>6</sup> BTU (3-hour average).</p> <p><b>Testing:</b> (S.C. Regulation 61-62.1, Section II.J.2) A source test for NO<sub>x</sub> emissions shall be conducted every 2 years. The source test will be used to show compliance with the NO<sub>x</sub> limit.</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall fire the boiler in accordance with the manufacturer's good combustion practices and/or stack test established parameters. The owner/operator shall monitor excess O<sub>2</sub> in the sanderdust boiler exhaust. Logs of the excess O<sub>2</sub> should be kept and the excess O<sub>2</sub> calculated on a 3 hour average basis. The excess O<sub>2</sub> concentration shall be maintained within the manufacturer's recommended range. Reports of exceedances of the excess O<sub>2</sub> range shall be submitted semiannually. If no exceedances occurred during the reporting period then a letter shall indicate such.</p>
C.23	<p><b>Emission Unit ID:</b> 08 <b>Equipment ID:</b> ES-20</p> <p><b>Limit:</b> (S.C. Regulation 61-62.5, Standard 7) The CO emissions from the sanderdust boiler shall be limited to 0.3 lb/10<sup>6</sup> BTU (3-hour average).</p> <p><b>Testing:</b> (S.C. Regulation 61-62.1, Section II.J.2) A source test for CO emissions shall be conducted every 2 years. The source test will be used to show compliance with the CO limit.</p> <p><b>Monitoring/Recordkeeping/Reporting/Other:</b> The owner/operator shall fire the boiler in accordance with the manufacturer's good combustion practices and/or stack test established parameters. The owner/operator shall monitor excess O<sub>2</sub> in the sanderdust boiler exhaust. Logs of the excess O<sub>2</sub> should kept and the excess O<sub>2</sub> calculated on a 3 hour average basis. The excess O<sub>2</sub> concentration shall be maintained within the manufacturer's recommended range. Reports of exceedances of the excess O<sub>2</sub> range shall be submitted semiannually. If no exceedances occurred during the reporting period then a letter shall indicate such.</p>
C.24	<p><b>Emission Unit ID:</b> 08 <b>Equipment ID:</b> ES-20</p> <p><b>Limit:</b> (S.C. Regulation 61-62.5, Standard 7) The VOC emissions from the sanderdust boiler shall be limited to 0.1 lb/10<sup>6</sup> BTU (3-hour average).</p> <p><b>Testing:</b> (S.C. Regulation 61-62.1, Section II.J.2) A source test for VOC emissions shall be conducted</p>

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

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

Condition Number	Conditions
	<p>every 2 years. The source test will be used to show compliance with the VOC limit.</p> <p><b>Monitoring/Recordkeeping/Reporting/Other:</b> The owner/operator shall fire the boiler in accordance with the manufacturer's good combustion practices and/or stack test established parameters. The owner/operator shall monitor excess O<sub>2</sub> in the sanderdust boiler exhaust. Logs of the excess O<sub>2</sub> should kept and the excess O<sub>2</sub> calculated on a 3 hour average basis. The excess O<sub>2</sub> concentration shall be maintained within the manufacturer's recommended range. Reports of exceedances of the excess O<sub>2</sub> range shall be submitted semiannually. If no exceedances occurred during the reporting period then a letter shall indicate such.</p>
C.25	<p><b>Emission Unit ID:</b> 08 <b>Equipment ID:</b> ES-20</p> <p>This source is subject to New Source Performance Standards (NSPS), 40 CFR 60 Subpart A, General Conditions and Subpart Dc, Industrial - Commercial - Institutional Steam Generating Units, and S.C. Regulation 61-62.60 Subparts A and Dc, Industrial - Commercial - Institutional Steam Generating Units, as applicable. These sources shall comply with all applicable requirements of these Subpart A and Dc.</p>
C.26	<p><b>Emission Unit ID:</b> 08 <b>Equipment ID:</b> ES-20</p> <p><b>Limit:</b> (40 CFR §60.43c(c) Standard For Particulate Matter (PM)) No owner or operator of an affected facility that combusts wood and has a heat input capacity of 8.7 MW (30 MMBtu/h) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.</p> <p>(40 CFR §60.43c(d)) The PM and opacity standards under this section apply at all times, except during periods of startup, shutdown, or malfunction.</p> <p>(40 CFR §60.43c(e)(1)) no owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels and has a heat input capacity of 8.7 MW (30 MMBtu/h) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of 13 ng/J (0.030 lb/MMBtu) heat input.</p> <p><b>Monitoring:</b> (40 CFR §60.47c(a)) The owner or operator of an affected facility combusting coal, oil, or wood that is subject to the opacity standards under §60.43c shall install, calibrate, maintain, and operate a continuous opacity monitoring system (COMS) for measuring the opacity of the emissions discharged to the atmosphere and record the output of the system.</p>

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

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

Condition Number	Conditions
	<p>(40 CFR §60.47c(b)) All COMS shall be operated in accordance with the applicable procedures under Performance Specification 1 of appendix B of this part. The span value of the opacity COMS shall be between 60 and 80 percent.</p> <p>(40 CFR §60.47c(f)) An owner or operator of an affected facility that is subject to an opacity standard in §60.43c(c) is not required to operate a COMS provided that the affected facility burns only gaseous fuels and/or fuel oils that contain no greater than 0.5 weight percent sulfur, and the owner or operator operates the unit according to a written site-specific monitoring plan approved by the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard.</p> <p>The facility shall record and maintain records of the amount of each fuel combusted during each hour. In order for the facility to operate the boiler without the COMs in service, the facility shall wait 15 minutes after burning natural gas only to ensure all residual sanderdust in the boiler has been combusted. The facility shall also record the times the boiler is operated without the COMs in service and records shall be maintained on site.</p> <p>The facility shall record and maintain records of the amount of each fuel combusted during each hour. In order for the facility to operate the boiler without the COMs in service, the facility shall wait 15 minutes after burning natural gas only to ensure all residual sanderdust in the boiler has been combusted. The facility shall also record the times the boiler is operated without the COMs in service and records shall be maintained on site.</p> <p><b>Reporting:</b> (40 CFR §60.48(c)) In addition to the applicable requirements in §60.7, the owner or operator of an affected facility subject to the opacity limits in §60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period and maintain records according to the requirements specified in paragraphs (c)(3) of this section.</p> <p>(40 CFR §60.48(c)(3)) For each digital opacity compliance system, the owner or operator shall maintain records and submit reports according to the requirements specified in the site-specific monitoring plan approved by the Department.</p> <p>(40 CFR §60.48 (g)(2)) The owner or operator of an affected facility that combusts only natural gas, wood, or a mixture of these fuels shall record and maintain records of the amount of each fuel combusted during each calendar month.</p> <p>(40 CFR §60.48(i)) All records required under this section shall be maintained by the owner or</p>

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

Condition Number	Conditions
	<p>operator of the affected facility for a period of two years following the date of such record.</p> <p>(40 CFR §60.48(j)) The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Department and shall be postmarked by the 30th day following the end of the reporting period.</p>
C.27	<p><b>Emission Unit ID: 08</b> <b>Equipment ID: ES-20</b> <b>Control Device ID: C23</b></p> <p>The facility shall utilize presumptively acceptable monitoring pursuant to §64.3(d)(2)(ii) per the monitoring requirements of 40 CFR 60.13 and appendix B of 40 CFR 60 for a continuous opacity monitor system (COMS).</p> <p>To meet the requirements of 40 CFR 64 for the sanderdust boiler, EP-20 of Emission Unit No. 08, the indicator for particulate matter will be opacity. The owner/operator shall continue to operate, and maintain a COMS as the measurement approach while burning sanderdust. Opacity shall be used to provide assurance of compliance with 40 CFR §60.43(d) (e)(1).</p> <p>The operational ranges for the opacity shall be ≤20% based on a two hour average.</p> <p>An excursion is defined as any operating condition where the opacity &gt;20% (2-hour average). Upon detecting an excursion, the owner/operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing any startup, shutdown or malfunction period and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion (other than those caused by excused startup and shutdown conditions).</p> <p>A semiannual report for monitoring shall include, at a minimum, the information required under § 70.6(a)(3)(iii) and the following information as applicable:</p> <p>Summary information of the number, duration, and cause (including unknown cause, if applicable) of excursions, as applicable, and the corrective actions taken;</p> <p>Summary information on the number, duration, and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable);</p> <p>The owner/operator shall maintain records of monitoring data, monitor performance data, corrective</p>



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

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

Condition Number	Conditions
	action, and quality improvement plans.
C.28	<p><b>Emission Unit ID:</b> 08  <b>Equipment ID:</b> ES-20</p> <p>This source is permitted to burn only natural gas and resonated sanderdust as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department.</p>
C.29	<p><b>Emission Unit ID:</b> 08  <b>Equipment ID:</b> Package Rental boiler</p> <p>The use of a package rental boiler shall only be used during periods when the sanderdust boiler (EU 08, Equipment ID ES-20) is out of service for repairs or maintenance. The use of the package rental boiler shall meet the following conditions:</p> <ol style="list-style-type: none"> <li>1. The package rental boiler or combination of boilers shall not exceed 93 million BTU/hr in total fuel burning capacity.</li> <li>2. The package rental boiler(s) shall only use natural gas as fuel.</li> <li>3. The package rental boiler(s) shall only be used when the sanderdust boiler (EU 08, Equipment ID ES-20) is not in service.</li> <li>4. The package rental boiler(s) shall not remain on site (within facility's boundaries) longer than 180 consecutive days.</li> <li>5. The facility shall maintain the following records on site and submit them semiannually               <ol style="list-style-type: none"> <li>a. If a package boiler(s) is brought onto site, the date the package boiler began firing, the dates the sanderdust boiler was out of service and reason, and the dates the package boiler remained on site.</li> <li>b. The total fuel burning capacities of the package boiler(s).</li> </ol> </li> </ol> <p>If no package boilers were on site during the reporting period, a statement stating so shall be submitted.</p>
C.30	<p><b>Emission Unit ID:</b> 08  <b>Equipment ID:</b> ES-21, ES-22  <b>Control Device ID:</b> C24, C25</p> <p>(S.C. Regulation 61-62.1, Section II.E) The sanderdust silo project was a potential significant increase for PM emissions. The facility has agreed to federally enforceable operating limitations to limit its potential to emit from the new Sanderdust Silo (ES-22) and limit increases from the existing Sanderdust Silo (ES-21) to less than 25.0 tons per year for PM emissions to avoid PSD.</p> <p>Compliance with the limit shall be demonstrated through the proper operation and maintenance of a baghouse on the new Sanderdust Silo to control PM emissions. The baghouse shall be in place and operational whenever processes controlled by the baghouse are operational.</p>

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**D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY**

<b>NESHAP Part</b>	<b>NESHAP Subpart</b>	<b>Compliance Monitoring Report Submittal Frequency</b>	<b>Reporting Period</b>	<b>Report Due Date</b>
63	ZZZZ (Emergency Generators see note 3 and 4)	N/A	N/A	N/A
63	DDDD	Semi-Annual	January 1 through June 30 July 1 through December 31	July 31 <sup>st</sup> January 31 <sup>st</sup>
63	DDDDD	Semi-Annual	January 1 through June 30 July 1 through December 31	July 31 <sup>st</sup> January 31 <sup>st</sup>

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 63.10(a)(5). This request may be made 1 year after the compliance date for the associated MACT standard.
3. Facilities with emergency engines are not required to submit reports. Only facilities with non-emergency engines are required to submit semiannual reports.
4. Facilities with emergency engines shall comply with the operations limits specified in 40 CFR 63.6640(f).

**E. NESHAP – CONDITIONS**

<b>Condition Number</b>	<b>Conditions</b>
E.1	All NESHAP notifications and reports shall be sent to the Manager of the Air Toxics Section, South Carolina Department of Health and Environmental Control - Bureau of Air Quality.
E.2	All NESHAP notifications and the cover letter to periodic reports shall be sent to the United States Environmental Protection Agency (US EPA) at the following address or electronically as required by the specific subpart:  <b>US EPA, Region 4 Air, Pesticides and Toxics Management Division 61 Forsyth Street SW Atlanta, GA 30303</b>
E.4	This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and DDDD. Existing affected

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions																																								
	<p>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.</p> <p>The following Table contains affected Sources:</p> <table border="1" data-bbox="285 617 1511 1530"> <thead> <tr> <th data-bbox="285 617 532 690">Emission Unit ID</th> <th data-bbox="532 617 776 690">Equipment ID</th> <th data-bbox="776 617 1027 690">Affected Source Description</th> <th data-bbox="1027 617 1271 690">MACT Control Device</th> <th data-bbox="1271 617 1511 690">Non-MACT Control Device</th> </tr> </thead> <tbody> <tr> <td data-bbox="285 690 532 764">02</td> <td data-bbox="532 690 776 764">E15F</td> <td data-bbox="776 690 1027 764">Refiner/Digester - Face</td> <td data-bbox="1027 690 1271 764">Core TCO (CD-C19)</td> <td data-bbox="1271 690 1511 764">N/A</td> </tr> <tr> <td data-bbox="285 764 532 837">02</td> <td data-bbox="532 764 776 837">E15C</td> <td data-bbox="776 764 1027 837">Refiner/Digester - Core</td> <td data-bbox="1027 764 1271 837">Core TCO (CD-C19)</td> <td data-bbox="1271 764 1511 837">N/A</td> </tr> <tr> <td data-bbox="285 837 532 947">03</td> <td data-bbox="532 837 776 947">E3F</td> <td data-bbox="776 837 1027 947">Primary Stage Dryer - Face</td> <td data-bbox="1027 837 1271 947">Face TCO (CD-C22)</td> <td data-bbox="1271 837 1511 947">Face Primary Dryer Cyclones (CD-C4, CD-C5)</td> </tr> <tr> <td data-bbox="285 947 532 1056">03</td> <td data-bbox="532 947 776 1056">E3C</td> <td data-bbox="776 947 1027 1056">Primary Stage Dryer - Core</td> <td data-bbox="1027 947 1271 1056">Core TCO (CD-C19)</td> <td data-bbox="1271 947 1511 1056">Core Primary Dryer Cyclones (CD-C6, CD-C7)</td> </tr> <tr> <td data-bbox="285 1056 532 1241">03</td> <td data-bbox="532 1056 776 1241">E4F</td> <td data-bbox="776 1056 1027 1241">Relay Dryer - Face</td> <td data-bbox="1027 1056 1271 1241">Core TCO (CD-C19)</td> <td data-bbox="1271 1056 1511 1241">Face Relay Dryer Cyclone (CD-C8), Face Relay Dryer Baghouse (CD-C10)</td> </tr> <tr> <td data-bbox="285 1241 532 1425">03</td> <td data-bbox="532 1241 776 1425">E4C</td> <td data-bbox="776 1241 1027 1425">Relay Dryer - Core</td> <td data-bbox="1027 1241 1271 1425">Core TCO (CD-C19)</td> <td data-bbox="1271 1241 1511 1425">Core Relay Dryer Cyclone (CD-C9), Core Relay Dryer Baghouse (CD-C11)</td> </tr> <tr> <td data-bbox="285 1425 532 1530">05</td> <td data-bbox="532 1425 776 1530">E7</td> <td data-bbox="776 1425 1027 1530">Press System</td> <td data-bbox="1027 1425 1271 1530">Core TCO (CD-C19)</td> <td data-bbox="1271 1425 1511 1530">Press Enclosure Baghouses (CD-C20 and CD-C21)</td> </tr> </tbody> </table>	Emission Unit ID	Equipment ID	Affected Source Description	MACT Control Device	Non-MACT Control Device	02	E15F	Refiner/Digester - Face	Core TCO (CD-C19)	N/A	02	E15C	Refiner/Digester - Core	Core TCO (CD-C19)	N/A	03	E3F	Primary Stage Dryer - Face	Face TCO (CD-C22)	Face Primary Dryer Cyclones (CD-C4, CD-C5)	03	E3C	Primary Stage Dryer - Core	Core TCO (CD-C19)	Core Primary Dryer Cyclones (CD-C6, CD-C7)	03	E4F	Relay Dryer - Face	Core TCO (CD-C19)	Face Relay Dryer Cyclone (CD-C8), Face Relay Dryer Baghouse (CD-C10)	03	E4C	Relay Dryer - Core	Core TCO (CD-C19)	Core Relay Dryer Cyclone (CD-C9), Core Relay Dryer Baghouse (CD-C11)	05	E7	Press System	Core TCO (CD-C19)	Press Enclosure Baghouses (CD-C20 and CD-C21)
Emission Unit ID	Equipment ID	Affected Source Description	MACT Control Device	Non-MACT Control Device																																					
02	E15F	Refiner/Digester - Face	Core TCO (CD-C19)	N/A																																					
02	E15C	Refiner/Digester - Core	Core TCO (CD-C19)	N/A																																					
03	E3F	Primary Stage Dryer - Face	Face TCO (CD-C22)	Face Primary Dryer Cyclones (CD-C4, CD-C5)																																					
03	E3C	Primary Stage Dryer - Core	Core TCO (CD-C19)	Core Primary Dryer Cyclones (CD-C6, CD-C7)																																					
03	E4F	Relay Dryer - Face	Core TCO (CD-C19)	Face Relay Dryer Cyclone (CD-C8), Face Relay Dryer Baghouse (CD-C10)																																					
03	E4C	Relay Dryer - Core	Core TCO (CD-C19)	Core Relay Dryer Cyclone (CD-C9), Core Relay Dryer Baghouse (CD-C11)																																					
05	E7	Press System	Core TCO (CD-C19)	Press Enclosure Baghouses (CD-C20 and CD-C21)																																					
E.5	<p><b>40 CFR §63.2240 What Are The Compliance Options And Operating Requirements And How Must I Meet Them?</b></p> <p>You must meet the compliance options and operating requirements described in Tables 1A, 1B, and 2 to this subpart and in paragraph (c) of this section by using one or more of the compliance options listed in paragraphs (a), (b), and (c) of this section. The process units subject to the compliance options are listed in Tables 1A and 1B to this subpart and are defined in §63.2292. You need only to meet one of the compliance options outlined in paragraphs (a) through (c) of this section for each process unit. You cannot combine compliance options in paragraph (a), (b), or (c) for a single process unit. (For</p>																																								

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions
	<p>example, you cannot use a production-based compliance option in paragraph (a) for one vent of a veneer dryer and an add-on control system compliance option in paragraph (b) for another vent on the same veneer dryer. You must use either the production-based compliance option or an add-on control system compliance option for the entire dryer.)</p> <p><i>(a) Production-based compliance options.</i> You must meet the production-based total HAP compliance options in Table 1A to this subpart and the applicable operating requirements in Table 2 to this subpart. You may not use an add-on control system or wet control device to meet the production-based compliance options.</p> <p><i>(c) Emissions averaging compliance option (for existing sources only).</i> Using the procedures in paragraphs (c)(1) through (3) of this section, you must demonstrate that emissions included in the emissions average meet the compliance options and operating requirements. New sources may not use emissions averaging to comply with this subpart.</p> <p><i>(c)(1) Calculation of required and actual mass removal.</i> Limit emissions of total HAP, as defined in §63.2292, to include acetaldehyde, acrolein, formaldehyde, methanol, phenol, and propionaldehyde from your affected source to the standard specified by Equations 1, 2, and 3 of this section.</p> $RMR = 0.90 \times \left( \sum_{i=1}^n UCEP_i \times OH_i \right) \quad (\text{Eq. 1})$ $AMR = \left( \sum_{i=1}^n CD_i \times OCEP_i \times OH_i \right) \quad (\text{Eq. 2})$ $AMR \geq RMR \quad (\text{Eq. 3})$ <p>Where:</p> <p>RMR = required mass removal of total HAP from all process units generating debits (<i>i.e.</i>, all process units that are subject to the compliance options in Tables 1A and 1B to this subpart and that are either uncontrolled or under-controlled), pounds per semiannual period;</p> <p>AMR = actual mass removal of total HAP from all process units generating credits (<i>i.e.</i>, all process units that are controlled as part of the Emissions Averaging Plan including credits from debit-generating process units that are under-controlled), pounds per semiannual period;</p> <p>UCEP<sub>i</sub> = mass of total HAP from an uncontrolled or under-controlled process unit (i) that generates debits, pounds per hour;</p> <p>OH<sub>i</sub> = number of hours a process unit (i) is operated during the semiannual period, hours per 6-month period;</p> <p>CD<sub>i</sub> = control system efficiency for the emission point (i) for total HAP, expressed as a fraction, and not to exceed 90 percent, unitless (Note: To calculate the control system efficiency of biological</p>

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions
	<p>treatment units that do not meet the definition of biofilter in §63.2292, you must use 40 CFR part 63, appendix C, Determination of the Fraction Biodegraded (<math>F_{bio}</math>) in a Biological Treatment Unit.;</p> <p><math>OCEP_i</math> = mass of total HAP from a process unit (i) that generates credits (including credits from debit-generating process units that are under-controlled), pounds per hour;  0.90 = required control system efficiency of 90 percent multiplied, unitless.</p> <p><b>(c)(2) Requirements for debits and credits.</b> You must calculate debits and credits as specified in paragraphs (c)(2)(i) through (vi) of this section.</p> <p>(c)(2)(i) You must limit process units in the emissions average to those process units located at the existing affected source as defined in §63.2292.</p> <p>(c)(2)(ii) You cannot use nonoperating process units to generate emissions averaging credits. You cannot use process units that are shut down to generate emissions averaging debits or credits.</p> <p>(c)(2)(iii) You may not include in your emissions average process units controlled to comply with a State, Tribal, or Federal rule other than this subpart.</p> <p>(c)(2)(iv) You must use actual measurements of total HAP emissions from process units to calculate your required mass removal (RMR) and actual mass removal (AMR). The total HAP measurements must be obtained according to §63.2262(b) through (d), (g), and (h), using the methods specified in Table 4 to this subpart.</p> <p>(c)(2)(v) Your initial demonstration that the credit-generating process units will be capable of generating enough credits to offset the debits from the debit-generating process units must be made under representative operating conditions. After the compliance date, you must use actual operating data for all debit and credit calculations.</p> <p>(c)(2)(vi) Do not include emissions from the following time periods in your emissions averaging calculations:</p> <p>(c)(2)(vi)(A) Emissions during periods of startup, shutdown, and malfunction as described in the startup, shutdown, and malfunction plan (SSMP).</p> <p>(c)(2)(vi)(B) Emissions during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities or during periods of control device maintenance covered in your routine control device maintenance exemption. No credits may be assigned to credit-generating process units, and maximum debits must be assigned to debit-generating process units during these periods.</p>

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions
E.6	<p><b>40 CFR §63.2241 What Are The Work Practice Requirements And How Must I Meet Them?</b></p> <p>(a) You must meet each work practice requirement in Table 3 to this subpart that applies to you.</p> <p>(b) As provided in §63.6(g), we, the EPA, may choose to grant you permission to use an alternative to the work practice requirements in this section.</p>
E.7	<p><b>40 CFR §63.2250 What Are The General Requirements?</b></p> <p>(a) You must be in compliance with the compliance options, operating requirements, and the work practice requirements in this subpart at all times, except during periods of process unit or control device startup, shutdown, and malfunction; prior to process unit initial startup; and during the routine control device maintenance exemption specified in §63.2251. The compliance options, operating requirements, and work practice requirements do not apply during times when the process unit(s) subject to the compliance options, operating requirements, and work practice requirements are not operating, or during periods of startup, shutdown, and malfunction. Startup and shutdown periods must not exceed the minimum amount of time necessary for these events.</p> <p>(b) You must always operate and maintain your affected source, including air pollution control and monitoring equipment, according to the provisions in §63.6(e)(1)(i).</p> <p>(c) You must develop a written SSMP according to the provisions in §63.6(e)(3).</p>
E.8	<p><b>40 CFR §63.2269 What Are My Monitoring Installation, Operation, And Maintenance Requirements?</b></p> <p><i>(a) General continuous parameter monitoring requirements.</i> You must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to paragraphs (a)(1) through (3) of this section.</p> <p>(a)(1) The CPMS must be capable of completing a minimum of one cycle of operation (sampling, analyzing, and recording) for each successive 15-minute period.</p> <p>(a)(2) At all times, you must maintain the monitoring equipment including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p> <p>(a)(3) Record the results of each inspection, calibration, and validation check.</p> <p><i>(b) Temperature monitoring.</i> For each temperature monitoring device, you must meet the requirements in paragraphs (a) and (b)(1) through (6) of this section.</p> <p>(b)(1) Locate the temperature sensor in a position that provides a representative temperature.</p>

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions
	<p>(b)(2) Use a temperature sensor with a minimum accuracy of 4°F or 0.75 percent of the temperature value, whichever is larger.</p> <p>(b)(3) If a chart recorder is used, it must have a sensitivity with minor divisions not more than 20°F.</p> <p>(b)(4) Perform an electronic calibration at least semiannually according to the procedures in the manufacturer's owner's manual. Following the electronic calibration, you must conduct a temperature sensor validation check in which a second or redundant temperature sensor placed nearby the process temperature sensor must yield a reading within 30°F of the process temperature sensor's reading.</p> <p>(b)(5) Conduct calibration and validation checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor.</p> <p>(b)(6) At least quarterly, inspect all components for integrity and all electrical connections for continuity, oxidation, and galvanic corrosion.</p>
E.9	<p><b>40 CFR §63.2270 How Do I Monitor And Collect Data To Demonstrate Continuous Compliance?</b></p> <p>(a) You must monitor and collect data according to this section.</p> <p>(b) Except for, as appropriate, monitor malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), you must conduct all monitoring in continuous operation at all times that the process unit is operating. For purposes of calculating data averages, you must not use data recorded during monitoring malfunctions, associated repairs, out-of-control periods, or required quality assurance or control activities. You must use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. Any period for which the monitoring system is out-of-control and data are not available for required calculations constitutes a deviation from the monitoring requirements.</p> <p>(c) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities; data recorded during periods of startup, shutdown, and malfunction; or data recorded during periods of control device downtime covered in any approved routine control device maintenance exemption in data averages and calculations used to report emission or operating levels, nor may such data be used in fulfilling a minimum data availability requirement, if applicable. You must use all the data collected during all other periods in assessing the operation of the control system.</p>

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions
	<p>(d) Except as provided in paragraph (e) of this section, determine the 3-hour block average of all recorded readings, calculated after every 3 hours of operation as the average of the evenly spaced recorded readings in the previous 3 operating hours (excluding periods described in paragraphs (b) and (c) of this section).</p> <p>(f) To calculate the data averages for each 3-hour or 24-hour averaging period, you must have at least 75 percent of the required recorded readings for that period using only recorded readings that are based on valid data (<i>i.e.</i>, not from periods described in paragraphs (b) and (c) of this section).</p>
E.10	<p><b>40 CFR §63.2271 How Do I Demonstrate Continuous Compliance With The Compliance Options, Operating Requirements, And Work Practice Requirements?</b></p> <p>(a) You must demonstrate continuous compliance with the compliance options, operating requirements, and work practice requirements in §§63.2240 and 63.2241 that apply to you according to the methods specified in Tables 7 and 8 to this subpart.</p> <p>(b) You must report each instance in which you did not meet each compliance option, operating requirement, and work practice requirement in Tables 7 and 8 to this subpart that applies to you. This includes periods of startup, shutdown, and malfunction and periods of control device maintenance specified in paragraphs (b)(1) through (3) of this section. These instances are deviations from the compliance options, operating requirements, and work practice requirements in this subpart. These deviations must be reported according to the requirements in §63.2281.</p> <p>(b)(2) Consistent with §§63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the EPA Administrator's satisfaction that you were operating in accordance with §63.6(e)(1). The EPA Administrator will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).</p>
E.11	<p><b>40 CFR §63.2280 What Notifications Must I Submit And When?</b></p> <p>(a) You must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) by the dates specified.</p> <p>(b) You must submit an Initial Notification no later than 120 calendar days after September 28, 2004, or after initial startup, whichever is later, as specified in §63.9(b)(2).</p> <p>(c) If you are required to conduct a performance test, you must submit a written notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as specified in §63.7(b)(1).</p>



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**E. NESHAP – CONDITIONS**

<b>Condition Number</b>	<b>Conditions</b>
	<p>(d) If you are required to conduct a performance test, design evaluation, or other initial compliance demonstration as specified in Tables 4, 5, and 6 to this subpart, you must submit a Notification of Compliance Status as specified in §63.9(h)(2)(ii).</p> <p>(d)(1) For each initial compliance demonstration required in Table 5 or 6 to this subpart that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th calendar day following the completion of the initial compliance demonstration.</p> <p>(d)(2) For each initial compliance demonstration required in Tables 5 and 6 to this subpart that includes a performance test conducted according to the requirements in Table 4 to this subpart, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th calendar day following the completion of the performance test according to §63.10(d)(2).</p> <p>(f) If you use the emissions averaging compliance option in §63.2240(c), you must submit an Emissions Averaging Plan to the EPA Administrator for approval no later than 1 year before the compliance date or no later than 1 year before the date you would begin using an emissions average, whichever is later. The Emissions Averaging Plan must include the information in paragraphs (f)(1) through (6) of this section.</p> <p>(f)(1) Identification of all the process units to be included in the emissions average indicating which process units will be used to generate credits, and which process units that are subject to compliance options in Tables 1A and 1B to this subpart will be uncontrolled (used to generate debits) or under-controlled (used to generate debits and credits).</p> <p>(f)(2) Description of the control system used to generate emission credits for each process unit used to generate credits.</p> <p>(f)(3) Determination of the total HAP control efficiency for the control system used to generate emission credits for each credit- generating process unit.</p> <p>(f)(4) Calculation of the RMR and AMR, as calculated using Equations 1 through 3 of §63.2240(c)(1).</p> <p>(f)(5) Documentation of total HAP measurements made according to §63.2240(c)(2)(iv) and other relevant documentation to support calculation of the RMR and AMR.</p> <p>(f)(6) A summary of the operating parameters you will monitor and monitoring methods for each debit-generating and credit-generating process unit.</p> <p>(g) You must notify the EPA Administrator within 30 days before you take any of the actions specified</p>

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions
	<p>in paragraphs (g)(1) through (3) of this section.</p> <p>(g)(1) You modify or replace the control system for any process unit subject to the compliance options and operating requirements in this subpart.</p> <p>(g)(2) You shut down any process unit included in your Emissions Averaging Plan.</p> <p>(g)(3) You change a continuous monitoring parameter or the value or range of values of a continuous monitoring parameter for any process unit or control device.</p>
E.12	Records shall be submitted in accordance with 40 CFR §63.2281.
E.13	<p><b>40 CFR §63.2282 What Records Must I Keep?</b></p> <p>(a) You must keep the records listed in paragraphs (a)(1) through (4) of this section.</p> <p>(a)(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in §63.10(b)(2)(xiv).</p> <p>(a)(2) The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.</p> <p>(a)(3) Documentation of your approved routine control device maintenance exemption, if you request such an exemption under §63.2251.</p> <p>(a)(4) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).</p> <p>(b) You must keep the records required in Tables 7 and 8 to this subpart to show continuous compliance with each compliance option, operating requirement, and work practice requirement that applies to you.</p> <p>(c) For each CEMS, you must keep the following records.</p> <p>(c)(1) Records described in §63.10(b)(2)(vi) through (xi).</p> <p>(c)(2) Previous (i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3).</p> <p>(c)(3) Request for alternatives to relative accuracy testing for CEMS as required in §63.8(f)(6)(i).</p> <p>(c)(4) Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.</p>

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions
	<p>(d) If you comply with the emissions averaging compliance option in §63.2240(c), you must keep records of all information required to calculate emission debits and credits.</p> <p>(e) If you operate a catalytic oxidizer, you must keep records of annual catalyst activity checks and subsequent corrective actions.</p>
E.14	<p><b>40 CFR §63.2283 In What Form And How Long Must I Keep My Records?</b></p> <p>(a) Your records must be in a form suitable and readily available for expeditious review as specified in §63.10(b)(1).</p> <p>(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.</p> <p>(c) You must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.</p>
E.15	<p><b>40 CFR §63.2291 Who Implements And Enforces This Subpart?</b></p> <p>(a) This subpart can be implemented and enforced by the U.S. EPA or a delegated authority such as your State, local, or tribal agency. If the EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if this subpart is delegated to your State, local, or tribal agency.</p> <p>(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the EPA Administrator and are not transferred to the State, local, or tribal agency.</p> <p>(c) The authorities that will not be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (4) of this section.</p> <p>(c)(1) Approval of alternatives to the compliance options, operating requirements, and work practice requirements in §§63.2240 and 63.2241 as specified in §63.6(g). For the purposes of delegation authority under 40 CFR part 63, subpart E, "compliance options" represent "emission limits"; "operating requirements" represent "operating limits"; and "work practice requirements" represent "work practice standards."</p> <p>(c)(2) Approval of major alternatives to test methods as specified in §63.7(e)(2)(ii) and (f) and as defined in §63.90.</p>

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**E. NESHAP – CONDITIONS**

Condition Number	Conditions
	<p>(c)(3) Approval of major alternatives to monitoring as specified in §63.8(f) and as defined in §63.90.</p> <p>(c)(4) Approval of major alternatives to recordkeeping and reporting as specified in §63.10(f) and as defined in §63.90.</p>
E.16	<p>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 DDDDD, National Emission Standards For Hazardous Air Pollutants For Major Sources: Industrial, Commercial, And Institutional Boilers And Process Heaters. Existing affected sources shall be in compliance with the requirements of these Subparts by 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.</p>

**F. COMPLIANCE SCHEDULE - RESERVED**

**G. PERMIT SHIELD**

Condition Number	Conditions
G.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 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 Permit Shield Exceptions Table. The owner or 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 Permit Shield Exceptions Table.</p> <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 or 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>

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<b>Permit Shield Exceptions</b>
40 CFR 64 – Compliance Assurance Monitoring
SC Reg. 61-62.1, Definitions and General Requirements
40 CFR 61, Subpart M, Asbestos
SC Reg. 61-62.5, Std. 7
40 CFR 63 Subpart DDDDD, Industrial, Commercial, and Institutional Boilers and Process Heaters
40 CFR 82, Subpart A, C, D, E, F, G

**H. PERMIT FLEXIBILITY**

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

**I. AMBIENT AIR STANDARDS REQUIREMENTS**

<b>Condition Number</b>	<b>Conditions</b>
I.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.</p>

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**I. AMBIENT AIR STANDARDS REQUIREMENTS**

Condition Number	Conditions
	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.

**J. 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 July 30 October 30 January 30
Semiannual	January-June April-September July-December October-March	July 30 October 30 January 30 April 30

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

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

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

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

Condition Number	Conditions
L.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Title V Periodic Reporting Schedule and the Title V Compliance Certification Reporting Schedule of this

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

Condition Number	Conditions
	permit. All required reports must be certified by a responsible official consistent with S.C. Regulation 61-62.70.5.d.
L.2	<p>All reports and notifications required under this permit shall be submitted to the person indicated in the specific condition at the following address:</p> <p align="center"><b>2600 Bull Street Columbia, SC 29201</b></p> <p>The contact information for the local Environmental Affairs Regional office can be found at:</p> <p align="center"><b><a href="http://www.scdhec.gov">http://www.scdhec.gov</a></b></p>
L.3	Unless elsewhere specified within this permit, all reports required under this permit shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality.
L.4	<p>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> <p align="center"><b>US EPA, Region 4 Air Enforcement Branch 61 Forsyth Street SW Atlanta, GA 30303</b></p>
L.5	<p>(S.C. Regulation 61-62.70.6.a.3.ii) The owner or operator shall comply, where applicable, with the following monitoring/support information collection and retention record keeping requirements:</p> <ol style="list-style-type: none"> <li>1. Records of required monitoring information shall include the following: <ol style="list-style-type: none"> <li>a. The date, place as defined in the permit, and time of sampling or measurements;</li> <li>b. The date(s) analyses were performed;</li> <li>c. The company or entity that performed the analyses;</li> <li>d. The analytical techniques or methods used;</li> <li>e. The results of such analyses; and</li> <li>f. The operating conditions as existing at the time of sampling or measurement;</li> </ol> </li> <li>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.</li> </ol>
L.6	<p>(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 Affairs Regional office within 24 hours after the beginning of the occurrence.</p> <p>The owner/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:</p>

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

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



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**M. GENERAL FACILITY WIDE**

Condition Number	Conditions
M.1	The owner or operator shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning."
M.2	The owner or operator shall comply with S.C. Regulation 61-62.3 "Air Pollution Episodes."
M.3	The owner or operator shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions."
M.4	The owner or operator shall comply with S.C. Regulation 61-62.6 "Control of Fugitive Particulate Matter", Section III "Control of Fugitive Particulate Matter Statewide."
M.5	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.6	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to S.C. Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.7	The owner or operator shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the owner or operator performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the owner or operator is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs.
M.8	(S.C. Regulation 61-62.70.6.a.5) The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
M.9	(S.C. Regulation 61-62.70.6.a.6.i) The owner or operator must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the S.C. Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal application.
M.10	(S.C. Regulation 61-62.70.6.a.6.ii) It shall not be a defense for an owner or operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
M.11	(S.C. Regulation 61-62.70.6.a.6.iii) The permit may be modified, revoked, reopened and reissued, or terminated for cause by the Department. The filing of a request by the owner or operator for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
M.12	(S.C. Regulation 61-62.70.6.a.6.iv) The permit does not convey any property rights of any sort, or any exclusive privilege.
M.13	(S.C. Regulation 61-62.70.6.a.6.v) The owner or operator shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the owner or operator shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be

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**M. GENERAL FACILITY WIDE**

Condition Number	Conditions
	confidential, the owner or operator may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the owner or operator furnish such records directly to the Administrator along with a claim of confidentiality.
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	<p>(S.C. Regulation 61-62.70.6.c.2) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following:</p> <ol style="list-style-type: none"> <li>1. Enter upon the owner or operator's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit.</li> <li>2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.</li> <li>3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.</li> <li>4. As authorized by the Act and/or the S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.</li> </ol>
M.16	<p>(S.C. Regulation 61-62.70.6.g) In the case of an emergency, as defined in S.C. Regulation 61-62.70.6.g.1, the owner or operator shall demonstrate an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:</p> <ol style="list-style-type: none"> <li>1. An emergency occurred and that the owner or operator can identify the cause(s) of the emergency;</li> <li>2. The permitted facility was at the time being properly operated; and</li> <li>3. During the period of the emergency the owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and</li> <li>4. The owner or operator shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of S.C. Regulation 61-62.70.6.a.3.iii.B. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</li> </ol> <p>This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the owner or operator seeking to establish the occurrence of an emergency has the burden of proof.</p>
M.17	(S.C. Regulation 61-62.70.6.a.1.ii) Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator.
M.18	(S.C. Regulation 61-62.70.6.a.4) According to S.C. Regulation 61-62.70.6.a.4, the owner or operator is

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**M. GENERAL FACILITY WIDE**

<b>Condition Number</b>	<b>Conditions</b>
	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.B.2.g.

## ATTACHMENT - Emission Rates for Ambient Air Standards

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

<b>AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2</b>								
Emission Point ID	Emission Rates (lbs/hr)							
	PM <sub>10</sub>	PM <sub>2.5</sub> Annual	PM <sub>2.5</sub> 24 Hour	SO <sub>2</sub> Annual	SO <sub>2</sub> 3-Hr & 24-Hr	NO <sub>x</sub>	CO	Lead
<b>FLAKEBOARD MDF PLANT (1680-0046) - SCENARIO 1 EMISSIONS</b>								
S1ES1C	0.0913	--	--	--	--	--	--	--
S1ES1F	0.0913	--	--	--	--	--	--	--
S1ES2	0.0913	--	--	--	--	--	--	--
S1ES5	0.0913	--	--	--	--	--	--	--
S1ES6	0.0684	--	--	--	--	--	--	--
S1ES9	0.114	--	--	--	--	--	--	--
S1ES10	0.114	--	--	--	--	--	--	--
S1ES12	0.0913	--	--	--	--	--	--	--
S1ES13	0.0913	--	--	--	--	--	--	--
S1ES15	0.273	0.268	0.273	0.0355	0.0355	7.92	1.6	1.00E-05
S1NEWBO (ES20)	4.11	2.27	2.27	2.47	2.5	4.49 (121.8)	29.7	0.0006981
S1SILO (ES21)	0.075	--	--	--	--	--	--	--
S1TCO1 (ES14)	0.312	0.284	0.312	0.037	0.037	51.73	6.4	1.00E-05
<b>FLAKEBOARD MDF PLANT (1680-0046) - SCENARIO 2 EMISSIONS</b>								
S2ES1C	0.0913	--	--	--	--	--	--	--
S2ES1F	0.0913	--	--	--	--	--	--	--
S2ES2	0.0913	--	--	--	--	--	--	--
S2ES5	0.0913	--	--	--	--	--	--	--
S2ES6	0.0685	--	--	--	--	--	--	--
S2ES9	0.114	--	--	--	--	--	--	--
S2ES10	0.114	--	--	--	--	--	--	--
S2ES12	0.0913	--	--	--	--	--	--	--
S2ES13	0.0913	--	--	--	--	--	--	--
S2ES15	0.243	0.235	0.300	0.0089	0.0103	7.14	1.2	1.00E-05
S2TCO1 (ES14)	0.282	0.25	0.30	0.0103	0.009	50.90	6	1.00E-05
S2TMPBL1	0.93	0.456	0.929	0.0228	0.0547	1.65	6.79	4.56E-05

**ATTACHMENT - Emission Rates for Ambient Air Standards**

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<b>AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2</b>								
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>							
	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub> Annual</b>	<b>PM<sub>2.5</sub> 24 Hour</b>	<b>SO<sub>2</sub> Annual</b>	<b>SO<sub>2</sub> 3-Hr &amp; 24-Hr</b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>Lead</b>
S2TMPBL2	0.93	0.456	0.929	0.0228	0.0547	1.65	6.79	4.56E-05

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>				
<b>Emission Point ID</b>	<b>Emission Rates (lbs/hr)</b>			
	<b>Acrolein</b>	<b>Beryllium</b>	<b>Formaldehyde</b>	<b>Nickel</b>
	107-02-8	7440-41-7	50-00-0	7440-02-0
NEWBOIL	2.689	0.0215	0.78	1.0794

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.

<b>B. PERMIT SHIELD REQUEST</b>			
<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
SC Reg. 61-62.1	Definitions and General Requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.2	Prohibition of Open Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.3	Air Pollution Episodes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC Reg. 61-62.4	Hazardous Air Pollution Conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.5, Std. 1	Emissions from Fuel Burning Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.5, Std. 2	Ambient Air Quality Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.5, Std. 3	Waste Combustion and Reduction	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.5, Std. 3.1	Hospital, Medical, Infectious Waste Incinerators(HMIWI)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC Reg. 61-62.5, Std. 4	Emissions from Process Industries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.5, Std. 5	Volatile Organic Compounds	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC Reg. 61-62.5, Std.5.1	BACT/LAER Applicable to VOC's	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.5, Std. 5.2	Control of Oxides of Nitrogen (NO <sub>x</sub> )	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC Reg. 61-62.5, Std. 6	Alternative Emissions Limitation Options	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC Reg. 61-62.5, Std. 7	Prevention of Significant Deterioration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.5, Std.8	Toxic Air Pollutants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC. Reg. 61-62.6	Control of Fugitive Particulate Matter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.7	Good Engineering Practice Stack Height	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.60	SC Designated Facility Plan and NSPS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.63	National Emission Standards for Hazardous Air Pollutants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.68	Chemical Accident Prevention Provisions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC Reg. 61-62.70	Title V Operating Permit Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SC Reg. 61-62.72	Acid Rain	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SC Reg. 61-62.96	NO <sub>x</sub> Budget Trading Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

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<b>B. PERMIT SHIELD REQUEST</b>			
<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
SC Reg. 61-62.99	NO <sub>x</sub> Budget Trading Program Requirements for Stationary Sources Not in the Trading Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart A	General Provisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 CFR Part 60 Subpart B	Adoption and Submittal of State Plans for Designated Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart C	Emission Guidelines and Compliance Times	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Cb	Emission Guidelines and Compliance Times for Large Municipal Waste Combustors that are Constructed on or Before September 20,1994	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Cc	Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Cd	Emission Guidelines and Compliance Times for Sulfuric Acid Production Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Ce	Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart D	Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17,1971	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Da	Electric Utility Steam Generating Units for Which Construction is Commenced After September 18,1978	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Db	Industrial-Commercial-Institutional Steam Generating Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Dc	Small Industrial-Commercial-Institutional Steam Generating Units	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 CFR Part 60 Subpart E	Incinerators	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Ea	Municipal Waste Combustors for Which Construction is Commenced After December 20,1989 and On or Before September 20, 1994	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Eb	Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification or Reconstruction is Commenced After Jun 19,1996	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Ec	Hospital/Medical/Infectious Waste Incinerators for Which Construction is Commenced After June 20, 1996	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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<b>B. PERMIT SHIELD REQUEST</b>			
<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
40 CFR Part 60 Subpart F	Portland Cement Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart G	Nitric Acid Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart H	Sulfuric Acid Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart I	Hot Mix Asphalt Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart J	Petroleum Refineries	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart K	Storage Vessels for Petroleum Liquids for Which Construction, Reconstructions, or Modification Commenced After June 11,1973, and Prior to May 19,1978	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Ka	Storage Vessels for Petroleum Liquids for Which Construction, Reconstructions, or Modification Commenced After May 18,1978, and Prior to July 23,1984	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Kb	Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23,1994	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart L	Secondary Lead Smelters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart M	Secondary brass and Bronze Production Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart N	Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced After June 11,1973	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Na	Secondary Emissions from Basic Oxygen Process Steelmaking facilities for Which Construction is Commenced After January 20,1983	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart O	Sewage Treatment Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart P	Primary Copper Smelters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Q	Primary Zinc Smelters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart R	Primary Lead Smelters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart S	Primary Aluminum Reduction Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>



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<b>B. PERMIT SHIELD REQUEST</b>			
<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
40 CFR Part 60 Subpart T	Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart U	Phosphate Fertilizer Industry: Super Phosphoric Acid Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart V	Phosphate Fertilizer Industry: Diammonium Phosphate Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart W	Phosphate Fertilizer Industry: Triple Superphosphate Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart X	Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Y	Coal Preparation Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart Z	Ferroalloy Production Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart AA	Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 and On or Before August 17, 1983	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart AAa	Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart BB	Kraft Pulp Mills	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart CC	Glass Manufacturing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart DD	Grain Elevators	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart EE	Surface Coating of Metal Furniture	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart GG	Stationary Gas Turbines	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart HH	Lime Manufacturing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart JJ	Cold Cleaning machine Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart KK	Lead-Acid Battery Manufacturing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart LL	Metallic Mineral Processing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart MM	Automobile and Light Duty Truck Surface Coating Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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<b>B. PERMIT SHIELD REQUEST</b>			
<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
40 CFR Part 60 Subpart NN	Phosphate Rock Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart PP	Ammonium Sulfate Manufacture	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart QQ	Graphic Arts Industry: Publication Rotogravure Printing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart RR	Pressure Sensitive Tape and Label Surface Coating Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart SS	Industrial Surface Coating: Large Appliances	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart TT	Metal Coil Surface Coating	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart UU	Asphalt Processing and Asphalt Roofing Manufacture	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart WW	Beverage Can Coating Industry	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart XX	Bulk Gasoline Terminals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart AAA	New Residential Wood Heaters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart BBB	Rubber Tire Manufacturing Industry	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart DDD	Volatile Organic Compound Emissions from the Polymer Manufacturing Industry	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart FFF	Flexible Vinyl and Urethane Coating and Printing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart HHH	Synthetic Fiber Production Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart III	Volatile Organic Compound Emissions from the Synthetic Organic Chemical Manufacturing Industry Air Oxidation Unit Processes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart JJJ	Petroleum Dry Cleaners	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
40 CFR Part 60 Subpart KKK	Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart LLL	Onshore Natural Gas Processing: SO <sub>2</sub> Emissions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart NNN	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart OOO	Nonmetallic Mineral Processing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart PPP	Wool Fiberglass Insulation Manufacturing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart RRR	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart SSS	Magnetic Tape Coating Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart TTT	Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart UUU	Calciners and Dryers in Mineral Industries	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart VVV	Polymeric Coating of Supporting Substrates Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart WWW	Municipal Solid Waste Landfills	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart AAAA	Small Municipal Waste Combustion Units After August 30, 1999 of for Which Modification or Reconstruction is Commenced After June 6,2001	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart BBBB	Emission Guidelines and Compliance Times for Small Municipal Waste Constructed on or Before August 30,1999	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart CCCC	Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30,1999 or for Which Modification or Reconstruction is Commenced On or After June 1, 2001	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart DDDD	Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration units that Commenced Construction On or Before November 30,1999	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart EEEE	Other Solid Waste Incineration Units for Which Construction is Commenced After December 9, 2004	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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		<b>Yes</b>	<b>No</b>
40 CFR Part 60 Subpart FFFF	Emissions Guidelines and Compliance Times for Other Solid Waste Incineration Units that Commenced Construction After December 9, 2004	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart GGGG	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart HHHH	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart KKKK	Standards of Performance for Stationary Combustion Turbines	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart LLLL	Standards of Performance for New Sewage Sludge Incineration Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart MMMM	Standards of Performance for Existing Sewage Sludge Incineration Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart A	General Provisions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart B	Radon Emissions from Underground Uranium Mines	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart C	Beryllium	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart D	Beryllium Rocket Motor Firing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart E	Mercury	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart F	Vinyl Chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart H	Radionuclides Other Than Radon From Department of Energy Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart I	Radionuclides Emissions From Facilities Licensed by the Nuclear Regulatory Commission and Federal Facilities Not Covered by Subpart H	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart J	Equipment Leaks (Fugitive Emission Source) of Benzene	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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		<b>Yes</b>	<b>No</b>
40 CFR Part 61 Subpart K	Radionuclide Emission from Elemental Phosphorus Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart L	Benzene Emissions From Coke By-Product Recovery Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart M	Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart N	Inorganic Arsenic Emissions From Glass Manufacturing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart O	Inorganic Arsenic Emissions from Primary Copper Smelters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart P	Inorganic Arsenic Emissions From Arsenic Trioxide and Metallic Arsenic Production Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart Q	Radon Emissions From Department of Energy Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart R	Radon Emissions From Phosphogypsum Stacks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart S	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart T	Radon Emissions From the Disposal of Uranium Mill Tailings	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart U	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart V	Equipment Leaks (Fugitive Emission Sources)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart W	Radon Emissions From Operating Mill Tailings	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart X	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart Y	Benzene Emissions From Benzene Storage Vessels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart Z	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart AA	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart BB	Benzene Emissions From Benzene Transfer Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart CC	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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		<b>Yes</b>	<b>No</b>
40 CFR Part 61 Subpart DD	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart EE	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 61 Subpart FF	Benzene Waste Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart A	General Provisions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 CFR Part 63 Subpart B	Requirements for Control Technology Determinations for Major Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart C	De-Listings	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart D	Compliance Extensions for Early Reduction Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart E	Approval of State Programs and Delegation of Authority	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart F	Synthetic Organic Chemical Manufacturing Industry, HON	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart G	Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater, HON	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart H	Synthetic Organic Chemical Manufacturing Industry for Equipment Leaks, HON	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart I	Synthetic Organic Chemical Manufacturing Industry for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks, HON	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart J	Polyvinyl Chloride and Copolymers Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart L	Coke Ovens	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart M	Dry Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart N	Chrome Electroplating	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart O	Ethylene Oxide Commercial Sterilization Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart P	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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		<b>Yes</b>	<b>No</b>
40 CFR Part 63 Subpart Q	Industrial Process Cooling Towers	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations), Stage 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart S	Kraft Pulp Mills – LVHC, HVLC, Condensate, Bleaching	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart T	Degreasing Organic Cleaners (Halogenated Solvent Cleaning)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart U	Polymers and Resins Group I	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart W	Polymers and Resins Group II Epoxy Resins Production and Non-Nylon Polyamides Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart X	Secondary Lead Smelting	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart Y	Marine Vessel Unloading Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart AA	Phosphoric Acid Manufacturing Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart BB	Phosphate Fertilizers	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart CC	Petroleum Refineries	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart DD	Off-Site Waste and Recovery Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart EE	Magnetic Tape Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart FF	Reserved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart GG	Aerospace Manufacturing and Rework Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart HH	Oil and Gas Production Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart II	Shipbuilding and Ship Repair Facilities (Coating Operations)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart JJ	Wood Furniture Manufacturing Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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		<b>Yes</b>	<b>No</b>
40 CFR Part 63 Subpart KK	Printing and Publishing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart LL	Primary Aluminum Reduction Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart MM	Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semi-chemical Pulp Mills	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart OO	Tanks – Level 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart WW	Tanks – Level 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart PP	Containers	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart QQ	Surface Impoundments	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart RR	Individual Drain Systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart SS	Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart TT	Equipment Leaks – Control Level 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart UU	Equipment Leaks –Control Level 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart VV	Oil-Water Separator and Organic-Water Separators	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart YY	Generic Maximum Achievable Control Technology (MACT) Standards	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart CCC	Steel Pickling Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart DDD	Mineral Wool Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart EEE	Hazardous Waste Combustors	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart GGG	Pharmaceuticals Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart HHH	Natural Gas Transmission and Storage Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart III	Flexible Polyurethane Foam Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>



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		<b>Yes</b>	<b>No</b>
40 CFR Part 63 Subpart JJJ	Polymers and Resins Group IV	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart LLL	Portland Cement Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart MMM	Pesticide Active Ingredients Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart NNN	Wool Fiberglass Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart OOO	Manufacture of Amino/Phenolic Resins	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart PPP	Polyether Polyols Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart QQQ	Primary Copper	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart RRR	Secondary Aluminum Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart TTT	Primary Lead Smelting	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart UUU	Petroleum Refineries (catalytic cracking, catalytic reforming and sulfur plant units)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart VVV	Publicly Owned Treatment Works	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart XXX	Ferroalloy Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart AAAA	Municipal Solid Waste (MSW) Landfills	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart CCCC	Manufacturing of Nutritional Yeast	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart DDDD	Plywood and Composite Wood Products	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 CFR Part 63 Subpart EEEE	Organic Liquids Distribution (Non-Gasoline)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart FFFF	Misc. Organic Chemical Manufacturing (MON)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart GGGG	Solvent Extraction for Vegetable Oil Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart HHHH	Wetted Formed Fiberglass Mat Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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		<b>Yes</b>	<b>No</b>
40 CFR Part 63 Subpart IIII	Automobile and Light Duty Trucks (Surface Coating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart JJJJ	Paper & Other Web Coatings (paper, plastic, film, foil, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart KKKK	Metal Cans (Surface Coating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart MMMM	Misc. Metal Parts and Products (Surface Coating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart NNNN	Large Appliance (Surface Coating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart OOOO	Fabric Printing, Coating and Dyeing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart PPPP	Plastic Parts and Products (Surface Coating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart QQQQ	Wood Building Products (Surface Coating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart RRRR	Metal Furniture (Surface Coating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart SSSS	Metal Coil (Surface Coating)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart TTTT	Leather Finishing Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart UUUU	Cellulose Production Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart VVVV	Boat Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart WWWW	Reinforced Plastics Composites Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart XXXX	Tire Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart YYYY	Combustion Turbines	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart ZZZZ	Reciprocating Internal Combustion Engines (RICE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40 CFR Part 63 Subpart AAAAA	Lime Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart BBBBB	Semiconductor Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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		<b>Yes</b>	<b>No</b>
40 CFR Part 63 Subpart CCCCC	Coke Ovens: Pushing, Quenching and Battery Stacks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart EEEEE	Iron and Steel Foundries	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart FFFFF	Integrated Iron and Steel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart GGGGG	Site Remediation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart HHHHH	Misc. Coating Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart IIIII	Mercury Cell Chlor-Alkali Plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart JJJJJ	Brick and Structural Clay Products Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart KKKKK	Clay Ceramic Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart LLLLL	Asphalt Roofing and Asphalt Processing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart MMMMM	Flexible Polyurethane Foam Fabrication Operation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart NNNNN	Hydrochloric Acid Production and Fumed Silica Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart PPPPP	Engine Test Cells/Stands	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart QQQQQ	Friction Materials Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart RRRRR	Taconite Iron Ore Processing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart SSSSS	Refractory Products Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart TTTTT	Primary Magnesium Refining	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart UUUUU	Electric Utility Steam Generating Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart WWWWW	Hospital Ethylene Oxide Sterilizers	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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<b>B. PERMIT SHIELD REQUEST</b>			
<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
40 CFR Part 63 Subpart YYYYY	Electric Arc Furnace Steelmaking Facilities (Area Source MACT)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart ZZZZZ	Iron and Steel Foundries Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart BBBB	Gasoline Distribution Bulk Terminals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart CCCCC	Gasoline Dispensing Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart DDDD	Polyvinyl Chloride and Copolymers Production Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart EEEEE	Primary Copper Smelting Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart FFFFF	Secondary Copper Smelting Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart GGGG	Primary Nonferrous Metals Area Sources: Zinc, Cadmium, Beryllium	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart HHHH	Paint Stripping and Miscellaneous Surface Coating Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart JJJJ	Industrial, Commercial and Institutional Boiler Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart LLLLL	Acrylic and Modacrylic Fiber Production Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart MMMM	Carbon Black Production Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart NNNN	Chemical Manufacturing Area Sources: Chromium	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart OOOO	Flexible Polyurethane Foam Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart PPPPP	Lead Acid Battery Manufacturing Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

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<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
40 CFR Part 63 Subpart QQQQQQ	Wood Preserving Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart RRRRRR	Clay Ceramics Manufacturing Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart SSSSSS	Glass Manufacturing Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart TTTTTT	Secondary Nonferrous Metals Processing Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart VVVVVV	Chemical Manufacturing Area Sources	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart WWWWWW	Area Source Standards for Plating and Polishing Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart XXXXXX	Area Source Standards for Nine Metal Fabrication and Finishing Source Categories	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart YYYYYY	Area Source Standards for Ferroalloys Production Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart ZZZZZZ	Area Source Standards for Aluminum, Copper and Other Nonferrous Foundries	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart AAAAAAA	Area Source Standards for Asphalt Processing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart BBBBBBB	Area Source Standards for Chemical Preparations Industry	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart CCCCCCC	Area Source Standards for Paints and Allied Products Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart DDDDDDD	Area Source Standards for Prepared Feeds Manufacturing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart EEEEEEE	Area Source Standards for Gold Mine Ore Processing and Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR Part 63 Subpart HHHHHHH	Polyvinyl Chloride and Copolymers Production	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 64	Compliance Assurance Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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<b>B. PERMIT SHIELD REQUEST</b>			
<b>1. Regulation Citation</b>	<b>2. Regulation Title</b>	<b>3. Applicable?</b>	
		<b>Yes</b>	<b>No</b>
40 CFR 68	Risk Management Programs Under Section 112(r)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 72	Permits Regulation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 73	SO <sub>2</sub> Allowance System	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 74	Sulfur Dioxide Opt-Ins	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 75	Continuous Emission Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 77	Excess Emissions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 78	Appeal Procedures for Acid Rain	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 82 Subpart A	Production and Consumption Controls	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 82 Subpart B	Servicing of Motor Vehicle Air Conditioners	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 82 Subpart C	Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured With Class II Substances	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 82 Subpart D	Federal Procurement	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 82 Subpart E	The Labeling of Products Using Ozone-Depleting Substances	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 82 Subpart F	Recycling and Emissions Reduction	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40 CFR 82 Subpart G	Significant New Alternatives Policy Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>