



# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** TENNECO POWERTRAIN

**FACILITY NAME:**

**FACILITY/PERMIT NO.:** 708-0020

**LOCATION:** ATHENS, LIMESTONE COUNTY, ALABAMA

*In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.*

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

**Issuance Date:** DRAFT

**Effective Date:** DRAFT

**Expiration Date:** DRAFT

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**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Transfer</u></b></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p>	<p>ADEM Admin. Code r. 335-3-16-.02(6)</p>
<p><b>2. <u>Renewals</u></b></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	<p>ADEM Admin. Code r. 335-3-16-.12(2)</p>
<p><b>3. <u>Severability Clause</u></b></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(e)</p>
<p><b>4. <u>Compliance</u></b></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p>

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>5. <u>Termination for Cause</u></b></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(h)</p>
<p><b>6. <u>Property Rights</u></b></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(i)</p>
<p><b>7. <u>Submission of Information</u></b></p> <p>The permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(j)</p>
<p><b>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></b></p> <p>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.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(k)</p>
<p><b>9. <u>Certification of Truth, Accuracy, and Completeness</u></b></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	<p>ADEM Admin. Code r. 335-3-16-.07(a)</p>
<p><b>10. <u>Inspection and Entry</u></b></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <p>(a) Enter upon the permittee’s premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</p>	<p>ADEM Admin. Code r. 335-3-16-.07(b)</p>

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**General Permit Provisos**

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</p> <p>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p>	
<p><b>11. <u>Compliance Provisions</u></b></p> <p>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p>	<p>ADEM Admin. Code r. 335-3-16-.07(c)</p>
<p><b>12. <u>Compliance Certification</u></b></p> <p>The permittee shall submit a complete and accurate compliance certification by February 28<sup>th</sup> of each year for each reporting period of this permit (January 1<sup>st</sup> – December 31<sup>st</sup>).</p> <p>(a) The compliance certification shall include the following:</p> <ol style="list-style-type: none"><li>(1) The identification of each term or condition of this permit that is the basis of the certification;</li><li>(2) The compliance status;</li><li>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</li><li>(4) Whether compliance has been continuous or intermittent;</li><li>(5) Such other facts as the Air Division may require to determine the compliance status of the source;</li></ol> <p>(b) The compliance certification shall be submitted to:</p>	<p>ADEM Admin. Code r. 335-3-16-.07(e)</p>

**General Permit Provisos**

Federally Enforceable Provisos	Regulations
<p>Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 and to:</p> <p>EPA Region 4 via email at EPA_R4_CAA_Reports@epa.gov or through the EPA's Compliance and Emissions Data Reporting Interface (CEDRI)</p>	
<p><b>13. <u>Reopening for Cause</u></b></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <ul style="list-style-type: none"> <li>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</li> <li>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</li> <li>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</li> <li>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</li> </ul>	<p>ADEM Admin. Code r. 335-3-16-.13(5)</p>
<p><b>14. <u>Additional Rules and Regulations</u></b></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>

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**General Permit Provisos**

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**Federally Enforceable Provisos**

**Regulations**

**15. Equipment Maintenance or Breakdown**

- (a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Air Division at least (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:
- (1) Identification of the specific facility to be taken out of service as well as its location and permit number;
  - (2) The expected length of time that the air pollution control equipment will be out of service;
  - (3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period;
  - (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;
  - (5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period.
- (b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director will be notified when the breakdown has been corrected.

ADEM Admin. Code r. 335-3-1-.07(1),(2)

**16. Operation of Capture and Control Devices**

All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.

§22-28-16(d), Code of Alabama 1975, as amended

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>17. <u>Obnoxious Odors</u></b></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>ADEM Admin. Code r. 335-3-1-.08</p>
<p><b>18. <u>Fugitive Dust</u></b></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Air Division prior to utilization.</p>	<p>ADEM Admin. Code r. 335-3-4-.02</p>
<p><b>19. <u>Additions and Revisions</u></b></p> <p>Any modifications to this source shall comply with the modification procedures in ADEM Admin. Code r. 335-3-16-.13 or 335-3-16-.14.</p>	<p>ADEM Admin. Code r. 335-3-16-.13 and 335-3-16-.14</p>
<p><b>20. <u>Recordkeeping Requirements</u></b></p> <p>(a) Records of required monitoring information of the source shall include the following:</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)2.</p>

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> <p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>(b) Retention of records of all required monitoring data and support information of the source 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.</p>	
<p><b>21. <u>Reporting Requirements</u></b></p> <p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p>
<p><b>22. <u>Emission Testing Requirements</u></b></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least <b>10 days</b> in advance of all emission tests to be conducted and submitted as proof of compliance with the Department’s air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p>	<p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p> <p>ADEM Admin. Code r. 335-3-1-.04</p>

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p>(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</p> <p>(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within <b>30 days</b> of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	
<p><b>23. <u>Payment of Emission Fees</u></b></p> <p>(a) The permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05.</p> <p>(b) The permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05.</p>	<p>ADEM Admin. Code r. 335-3-1-.04</p> <p>ADEM Admin. Code r. 335-1-7-.04</p> <p>ADEM Admin. Code r. 335-1-7-.05</p>
<p><b>24. <u>Other Reporting and Testing Requirements</u></b></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>ADEM Admin. Code r. 335-3-1-.04(1)</p>
<p><b>25. <u>Title VI Requirements (Refrigerants)</u></b></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(a)</p>

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**General Permit Provisos**

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**Federally Enforceable Provisos**

**Regulations**

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No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.

The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR §82.166. Reports shall be submitted to the US EPA and the Department as required.

**26. Chemical Accidental Prevention Provisions**

If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:

40 CFR Part 68

(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.

(b) The owner or operator shall submit one of the following:

(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a) or,

(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.

**27. Display of Permit**

This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will make the permit readily available for inspection by any or all persons who may request to see it.

ADEM Admin. Code r.  
335-3-16-.02(2)

**28. Circumvention**

No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.

ADEM Admin. Code r.  
335-3-1-.10

**29. Visible Emissions**

Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.

ADEM Admin. Code r.  
335-3-4-.01(1)

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>30. <u>Fuel-Burning Equipment</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.03.</p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-5-.01.</p>	<p>ADEM Admin. Code r. 335-3-4-.03</p> <p>ADEM Admin. Code r. 335-3-5-.01</p>
<p><b>31. <u>Process Industries – General</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.04.</p>	<p>ADEM Admin. Code r. 335-3-4-.04</p>
<p><b>32. <u>Averaging Time for Emission Limits</u></b></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>33. <u>Open Burning</u></b></p> <p>Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department’s rules and regulations applicable to open burning to be violated.</p>	<p>ADEM Admin. Code r. 335-3-3-.01</p>
<p><b>34. <u>Permit Shield</u></b></p> <p>A permit shield exists under this operating permit in accordance with ADEM Administrative Code r. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permit shield is based on the accuracy of the information supplied in Regulatory Review Section of the application for this permit. Under this shield, it has been determined that requirements listed as non-applicable in such section are not applicable to this source.</p>	<p>ADEM Admin. Code r. 335-3-16-.10</p>

## Emission Unit No. 001 (Sources Controlled by Regenerative Thermal Oxidizer and Uncontrolled Sources)

### Summary Page

**Description:** Auto Screen Printing Lines #1 and #2; Manual Screen Printing Line; Screen Cleaning; Primer Roller Coating Lines #2, #3, and #4; C-200 Roller Coaters; Rubber Extrusion and Curing; PTFE Sintering Ovens; HTC Coating Line

**Type of Fuel Used:** Natural Gas

**Permitted Operating Schedule:**  $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{365 \text{ Days}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

**Emission Limitations:**

*Controlled Sources*

Emission Point No.	Description	Pollutant	Emission Limit	Regulation
RTO	Auto Screen Printing Line #1 Blue Curing Oven; Auto Screen Printing Line #2 Debubble Accumulator and IR Continuous Oven; Manual Screen Printing Line Debubble Chambers and Batch Ovens	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
		NO <sub>x</sub>	N/A	N/A
		Opacity	Not more than one 6-minute average opacity greater than 20% in any 60-minute period and no 6-minute average opacity greater than 40%	r. 335-3-4-.01

*Uncontrolled Sources*

Emission Point No.	Description	Pollutant	Emission Limit	Regulation
48, 59, 64, 65	Manual Screen Printing Line	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
14, 16, 17	Screen Cleaning	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
10, 12, 15	Auto Screen Printing Line #1	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04

64	Auto Screen Printing Line #2	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
26, 27	Primer Roller Coating Line #2	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
5, 7	Primer Roller Coating Line #3	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
32, 33	Primer Roller Coating Line #4	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
30, 56, F-CU	C-200 Roller Coaters	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
CO, F-EX, F-MP	Rubber Extrusion and Curing	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
PTFE	PTFE Sintering Ovens	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
HTC	HTC Coating Line	VOC	245 TPY Facility-wide	r. 335-3-14-.04
		Single HAP	9.5 TPY	r. 335-3-14-.04
		Total HAP	24.5 TPY	r. 335-3-14-.04
5, 7, 10, 12, 14, 15, 16, 17, 26, 27, 30, 32, 33, 48, 56, 59, 64, 65, CO, F-CU, F-EX, F-MP, HTC, PTFE	All Uncontrolled Emission Points	Opacity	Not more than one 6-minute average opacity greater than 20% in any 60-minute period and no 6-minute average opacity greater than 40%	r. 335-3-4-.01

**Emission Unit No. 001 (Sources Controlled by Regenerative Thermal Oxidizer and Uncontrolled Sources)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These sources are subject to synthetic minor PSD emission limitations.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) Emissions of Volatile Organic Compounds (VOCs) from all operations at this facility including, but not limited to, coating, storage, cleanup, etc., shall not exceed 245 tons in any consecutive rolling 12-month period based on the premise that all VOCs applied are emitted.</p> <p>(b) Emissions of Hazardous Air Pollutants (HAPs) from all operations at this facility including, but not limited to, coating, storage, cleanup, etc., shall not exceed 24.5 tons in any consecutive rolling 12-month period based on the premise that all HAPs applied are emitted.</p> <p>(c) Emissions of any single Hazardous Air Pollutant (HAP) from all operations at this facility including, but not limited to, coating, storage, cleanup, etc., shall not exceed 9.5 tons in any consecutive rolling 12-month period based on the premise that all HAPs applied are emitted.</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) The HAP content by weight of each HAP containing material shall be determined using Reference Method 311 in Appendix A of 40 CFR Part 63. Vendor data based on this Method is an appropriate substitute.</p> <p>(b) The VOC content by weight of each VOC containing material shall be determined using Reference Method 24 in Appendix A of 40 CFR Part 60. Vendor data based on this Method is an appropriate substitute.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(c) Emissions tests to demonstrate removal and destruction efficiency for the RTO are to be conducted for VOCs at intervals not to exceed five (5) years following the date of initial compliance testing. Emissions tests are to be conducted by persons familiar with and using EPA Sampling Train and Test Procedure as described in 40 CFR Part 60, Method 18 or 25 or 25A, and 24 as required by the Department.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The RTO shall operate while the underlying processes are operating. Otherwise, the processes shall cease operation. The RTO shall not operate below 1470 °F and a destruction efficiency of at least 84% shall be maintained when the RTO is operating. Compliance shall be determined by recording the RTO combustion temperature at least once each minute when the unit is operating.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) Accurate and understandable records of consumption, which record at least the last five years of data, will be maintained in a permanent form suitable for inspection and be available immediately upon request. This facility shall provide a copy of records and supporting background documents upon request that pertain to this operating permit. These records shall contain the following information:</p> <ol style="list-style-type: none"> <li>(1) The type, quantity in gallons, and weight in pounds of each VOC or HAP containing material used during each calendar month;</li> <li>(2) The percent by weight of VOC, water, solids, HAP, and exempt VOC compounds content of each VOC containing material used in each calendar month;</li> <li>(3) Ther percent by volume of VOC, solids, HAP, and exempt VOC compounds content of each VOC containing material used each calendar month;</li> <li>(4) Compliance with VOC and HAP limits shall be based upon monthly material use inventories. Emissions may be adjusted for VOC and HAP content of material removed from the plant as waste or returns if the recordkeeping and details surrounding the materials are approved in advance;</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p><b>5. <u>Recordkeeping and Reporting Requirements (Continued)</u></b></p> <p>(5) Complete inventories of the VOC and HAP containing materials (their usage, VOC content, and HAP content) shall be made at the end of each calendar month;</p> <p>(6) The amount of VOCs and HAPs emitted per calendar month from the coating and cleaning operations in units of pounds and tons;</p> <p>(7) The rolling 12-month total of VOCs and HAPs emitted from the coating and cleaning operations in units of pounds and tons;</p> <p>(8) Within the first 15 days of each month, compliance with all provisos in this permit will be determined. These records will be maintained for at least five (5) years. Should this facility, at any time, exceed the limits within this permit, the Air Division must be notified within ten (10) days of the identification of the exceedance.</p> <p><b>(b)</b> A report summarizing the information in Proviso 5(a) shall be submitted each calendar quarter by the 15<sup>th</sup> day of January, April, July, and October, in a format approved by the Department in advance. This quarterly report shall include a graph of the RTO combustion temperature for each month of the quarter and a record of any time that the RTO is bypassed. If the RTO is bypassed the quarterly report must also include the date the bypass occurred, the duration of the bypass, the reason for bypassing, and any corrective action taken.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 002 (102 bhp (76 kW) Emergency SI ICE)**  
**Summary Page**

**Description:** Emergency Spark Ignition Generator

**Type of Fuel Used:** Propane

**Installation Date:** 1995

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

**40 CFR Part 63 Subpart ZZZZ**

**Emission Limitations:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Regulation</b>
EG-1	102 bhp (76 kW) Emergency SI Generator	NO <sub>x</sub>	N/A	N/A
		CO		
		VOC		
		SO <sub>2</sub>		
		PM		
		HAP		
		Opacity	Not more than one 6-minute average opacity greater than 20% in any 60-minute period and no 6-minute average opacity greater than 40%	r. 335-3-4-.01

**Emission Unit No. 002 (102 bhp (76 kW) Emergency SI ICE)**  
**Unit Specific Provisos**

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This source is subject to the opacity emission rate limits.</p> <p>(c) This emergency engine is subject to the requirements of the General Provisions as indicated in 40 CFR Part 63 Subpart A, unless otherwise stated in 40 CFR Part 63 Subpart ZZZZ.</p> <p>(d) This emergency engine is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63 Subpart ZZZZ, as an existing source.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-4-.01</p> <p>ADEM Admin. Code r. 335-3-11-.06(1)</p> <p>ADEM Admin. Code r. 335-3-11-.06(103) §63.6590(a)(1)(iii)</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) This emergency engine is not required to submit the notifications listed in §63.6645(a) as specified in §63.6645(a)(5). No further requirements apply under Subpart ZZZZ.</p> <p>(b) This unit shall not discharge into the atmosphere opacity greater than twenty percent (20%), as determined by a six (6) minute average. During one six (6) minute period during any sixty (60) minute period, this unit may discharge into the atmosphere opacity not exceeding forty percent (40%).</p>	<p>ADEM Admin. Code r. 335-3-11-.06(103)</p> <p>ADEM Admin. Code r. 335-3-4-.01</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) Compliance with the opacity requirements shall be determined by Reference Method 9 in Appendix A of 40 CFR Part 60.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) This emergency engine shall install and operate a non-resettable hour meter.</p> <p>(b) This emergency engine may be operated for up to 100 hours per calendar year for maintenance checks and readiness testing. The unit may be operated for up to 50 hours per calendar year for non-emergency situations. However, the 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing. There is no time limit for operating the emergency generator in emergency situations.</p> <p>(c) This unit shall: a) Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first; b) Inspect spark plugs every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and c) Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary</p>	<p>ADEM Admin. Code r. 335-3-11-.06(103) §63.6625(f)</p> <p>ADEM Admin. Code r. 335-3-11-.06(103) §63.6640(f)</p> <p>ADEM Admin Code r. 335-3-11-.06(103) §63.6603(a) §§Table 2d, Item 5</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) Records for the emergency engine must be kept for each occurrence of operation of the engine in emergency and non-emergency situations that are recorded through the non-resettable hour meter. The date, time, duration, and the reason the engine was in operation at that time shall be recorded.</p> <p>(b) Records shall be kept of any maintenance conducted on the emergency engine to demonstrate the unit has been operated and maintained according to the work and management practices and facility maintenance plan.</p> <p>(c) All records for the emergency engine shall be kept in a form suitable and readily available for inspection and shall be kept for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(103) §63.6660</p> <p>ADEM Admin Code r. 335-3-11-.06(103) §63.6655(d), (e) §§Table 6, Item 9</p> <p>ADEM Admin. Code r. 335-3-11-.06(103) §63.6660</p>