



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: MICHELIN NORTH AMERICA, INC.
FACILITY NAME: MICHELIN NORTH AMERICA, INC.
FACILITY/PERMIT NO.: 604-0009
LOCATION: MIDLAND CITY, 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 thereunder, 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.*

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TABLE OF CONTENTS

GENERAL PERMIT PROVISOS5

SUMMARY PAGE FOR THE RUBBER PREPARATION (MILLING, CUTTING, JOINING, AND COMPLEXING) 16

PROVISOS FOR THE RUBBER PREPARATION (MILLING, CUTTING, JOINING, AND COMPLEXING)..... 17

Applicability..... 17

Emission Standards 17

Compliance and Performance Test Methods and Procedures..... 17

Emission Monitoring 17

Recordkeeping and Reporting Requirements..... 17

SUMMARY PAGE FOR BD1, BD3, BD4, AND BD5 EXTRUDING AND ASSOCIATED MILLING..... 18

PROVISOS FOR BD1, BD3, BD4, AND BD5 EXTRUDING AND ASSOCIATED MILLING..... 19

Applicability..... 19

Emission Standards 19

Compliance and Performance Test Methods and Procedures..... 19

Emission Monitoring 19

Recordkeeping and Reporting Requirements..... 19

SUMMARY PAGE FOR BD2, BD6, BD7, AND BD8 EXTRUDING WITH UNDERTREAD CEMENTING AND BOILER INCINERATION 20

PROVISOS FOR BD2, BD6, BD7, AND BD8 WITH UNDERTREAD CEMENTING AND BOILER INCINERATION 21

Applicability..... 21

Emission Standards 21

Compliance and Performance Test Methods and Procedures..... 21

Emission Monitoring 22

Recordkeeping and Reporting Requirements..... 23

SUMMARY PAGE FOR 1ST AND 2ND STAGE TIRE ASSEMBLY WITH MICHELIN C PROCESS 25

PROVISOS FOR 1ST AND 2ND STAGE TIRE ASSEMBLY WITH MICHELIN C PROCESS 26

Applicability..... 26

<i>Emission Standards</i>	26
<i>Compliance and Performance Test Methods and Procedures</i>	26
<i>Emission Monitoring</i>	27
<i>Recordkeeping and Reporting Requirements</i>	28
SUMMARY PAGE FOR TIRE CURING AND FINISHING OPERATION	30
PROVISOS FOR TIRE CURING AND FINISHING OPERATION	32
<i>Applicability</i>	32
<i>Emission Standards</i>	32
<i>Compliance and Performance Test Methods and Procedures</i>	33
<i>Emission Monitoring</i>	33
<i>Recordkeeping and Reporting Requirements</i>	34
SUMMARY PAGE FOR TRINGLE SPRAYING OPERATION WITH BAGHOUSE	36
PROVISOS FOR TRINGLE SPRAYING OPERATION WITH BAGHOUSE	37
<i>Applicability</i>	37
<i>Emission Standards</i>	37
<i>Compliance and Performance Test Methods and Procedures</i>	37
<i>Emission Monitoring</i>	37
<i>Recordkeeping and Reporting Requirements</i>	38
SUMMARY PAGE FOR BOILERS	39
PROVISOS FOR BOILERS	40
<i>Applicability</i>	40
<i>Emission Standards</i>	40
<i>Compliance and Performance Test Methods and Procedures</i>	40
<i>Emission Monitoring</i>	41
<i>Recordkeeping and Reporting Requirements</i>	41
SUMMARY PAGE FOR DIESEL FIRED EMERGENCY FIRE PUMPS 1, 2, & 3	44
PROVISOS FOR DIESEL FIRED EMERGENCY FIRE PUMPS 1, 2, & 3	45
<i>Applicability</i>	45
<i>Emission Standards</i>	45

<i>Compliance and Performance Test Methods and Procedures</i>	46
<i>Emission Monitoring</i>	46
<i>Recordkeeping and Reporting Requirements</i>	46
SUMMARY PAGE FOR PLANT-WIDE APPLICABILITY LIMIT (PAL)	47
PROVISOS FOR PLANT-WIDE APPLICABILITY LIMIT (PAL)	48
<i>Applicability</i>	48
<i>Emission Standards</i>	49
<i>Compliance and Performance Test Methods and Procedures</i>	49
<i>Emission Monitoring</i>	50
<i>Recordkeeping and Reporting Requirements</i>	50

DRAFT

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Transfer</u></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 Rule 335-3-16-.13(1)(a)5.</p>	Rule 335-3-16-.02(6)
<p>2. <u>Renewals</u></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>	Rule 335-3-16-.12(2)
<p>3. <u>Severability Clause</u></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>	Rule 335-3-16-.05(e)
<p>4. <u>Compliance</u></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>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>5. <u>Termination for Cause</u></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>	Rule 335-3-16-.05(h)
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	Rule 335-3-16-.05(i)
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department 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 Department copies of records required to be kept by this permit.</p>	Rule 335-3-16-.05(j)
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></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>	Rule 335-3-16-.05(k)
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></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>	Rule 335-3-16-.07(a)
<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized</p>	Rule 335-3-16-.07(b)

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (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; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (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; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually within 60 days of the anniversary date of the issuance of this permit.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 	<p>Rule 335-3-16-.07(e)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>335-3-16-.05(c) (Monitoring and Recording Keeping Requirements);</p> <p>(4) Whether the method(s) or other means used to assure compliance provided continuous or intermittent data;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(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.</p> <p>(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.</p> <p>(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.</p>	<p>Rule 335-3-16-.13(5)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p>14. <u>Additional Rules and Regulations</u></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>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In case of shutdown of air pollution control equipment for scheduled maintenance, the intent to shut down shall be reported to the Department 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. The Department shall be notified when maintenance on the air pollution control equipment is complete and the equipment is operating.</p> <p>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</p> <p>(2) The expected length of time that the air pollution control equipment will be out of service;</p> <p>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</p> <p>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</p> <p>(5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.</p> <p>(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</p>	<p>Rule 335-3-1-.07(1),(2)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>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.</p>	
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>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.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>
<p>17. <u>Obnoxious Odors</u></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>Rule 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></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:</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>Rule 335-3-4-.02</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<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; or</p> <p>(5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface.</p>	
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <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>Rule 335-3-16-.05(c)(2)</p>
<p>21. <u>Reporting Requirements</u></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All</p>	<p>Rule 335-3-16-.05(c)(3)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>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 Rule 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>22. <u>Emission Testing Requirements</u></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 10 days 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>(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>Rule 335-3-1-.05(3) Rule 335-3-1-.04(1)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<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 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code r. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></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>Rule 335-3-1-.04(1)</p>
<p>25. <u>Title VI Requirements (Refrigerants)</u></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>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.</p> <p>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.</p>	<p>40 CRR Part 82</p>
<p>26. <u>Chemical Accidental Prevention Provisions</u></p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>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:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a) or,</p> <p>(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.</p>	40 CFR Part 68
<p>27. <u>Display of Permit</u></p> <p>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.</p>	Rule 335-3-14-.01(1)(d)
<p>28. <u>Circumvention</u></p> <p>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.</p>	Rule 335-3-1-.10
<p>29. <u>Visible Emissions</u></p> <p>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.</p>	Rule 335-3-4-.01(1)
<p>30. <u>Fuel-Burning Equipment</u></p> <p>(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may</p>	Rule 335-3-4-.03

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>discharge particulate emissions in excess of the emissions specified in Rule 335-3-4-.03.</p> <p>(b) 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 Rule 335-3-5-.01.</p>	<p>Rule 335-3-5-.01</p>
<p>31. <u>Process Industries – General</u></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 Rule 335-3-4-.04.</p>	<p>Rule 335-3-4-.04</p>
<p>32. <u>Averaging Time for Emission Limits</u></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>Rule 335-3-1-.05</p>

Summary Page for the Rubber Preparation (Milling, Cutting, Joining, and Complexing)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU001	Rubber Preparation (Milling, Cutting, Joining, and Complexing)	VOC	N/A	N/A
EU001	Rubber Preparation (Milling, Cutting, Joining, and Complexing)	HAP	N/A	N/A

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Provisos for the Rubber Preparation (Milling, Cutting, Joining, and Complexing)

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
Emission Standards	
1. These sources are subject to no additional specific emission standards other than those listed in the General Permit Provisos.	N/A
Compliance and Performance Test Methods and Procedures	
1. These sources are subject to no additional specific testing requirements other than those listed in the General Permit Provisos.	N/A
Emission Monitoring	
1. These sources are subject to no additional specific monitoring requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. These sources are subject to no additional specific recordkeeping and reporting requirements other than those listed in the General Permit Provisos.	N/A

Summary Page for BD1, BD3, BD4, and BD5 Extruding and Associated Milling

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU002	Extruding and Associated Milling (BD1, BD3, BD4, and BD5)	VOC	N/A	N/A
EU002	Extruding and Associated Milling (BD1, BD3, BD4, and BD5)	HAP	N/A	N/A

DRAFT

Provisos for BD1, BD3, BD4, and BD5 Extruding and Associated Milling

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
Emission Standards	
1. These sources are subject to no additional specific emission standards other than those listed in the General Permit Provisos.	N/A
Compliance and Performance Test Methods and Procedures	
1. These sources are subject to no additional specific testing requirements other than those listed in the General Permit Provisos.	N/A
Emission Monitoring	
1. These sources are subject to no additional specific monitoring requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. These sources are subject to no additional specific recordkeeping and reporting requirements other than those listed in the General Permit Provisos.	N/A

Summary Page for BD2, BD6, BD7, and BD8 Extruding with Undertread Cementing and Boiler Incineration

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU003	Extruding with Undertread Cementing and Boiler Incineration (BD2, BD6, BD7, & BD8)	VOC	75% VOC reduction	40 CFR Part 60 Subpart BBB
EU003	Extruding with Undertread Cementing and Boiler Incineration (BD2, BD6, BD7, & BD8)	HAP	N/A	N/A

Provisos for BD2, BD6, BD7, and BD8 with Undertread Cementing and Boiler Incineration

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
2. The undertread cementing portions of these units are subject to the applicable provisions of 40 CFR Part 60, Subpart BBB, “ <i>Standards of Performance for the Rubber Tire Manufacturing Industry</i> ”.	Rule 335-3-10-.02(54) 40 CFR §60.540(a)
3. The undertread cementing portions of these units are subject to the applicable provisions of 40 CFR Part 60, Subpart A, “ <i>General Provisions</i> ”.	Rule 335-3-10-.02(1) 40 CFR §60.1(a)
Emission Standards	
1. The Permittee shall for each undertread cementing operation discharge into the atmosphere no more than 25 percent of the VOC used (75 percent emission reduction) for each month.	40 CFR §60.542(a)(1)(i)
Compliance and Performance Test Methods and Procedures	
1. The owner or operator of an affected facility who elects to use a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator), as described under 40 CFR §60.543(g), shall repeat the performance test when directed by the Administrator or when the owner or operator elects to operate the capture system or control device at conditions different from the most recent determination of overall reduction efficiency. The performance test shall be conducted in accordance with the procedures described under paragraphs 40 CFR §60.543(f)(2)(i) through (iv).	40 CFR §60.543(b)(2)
2. For each undertread cementing operation that uses a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator), the owner or operator shall use the following procedure to determine compliance with the percent emission reduction requirement specified under 40 CFR §60.542(a)(1)(i).	40 CFR §60.543(g)(1)
(a) The performance test shall be repeated during conditions described under 40 CFR §60.543(b)(2). No monthly performance tests are required.	

Federally Enforceable Provisos	Regulations
3. In determining compliance for each undertread cementing operation, the owner or operator shall include all the VOC used, recovered, or destroyed from the cement(s) including those cements used for tires other than those defined under 40 CFR §60.541(a).	40 CFR §60.543(l)
4. The VOC content in the cement(s) shall be determined from formulation data or by analysis of the cement using Method 24 of 40 CFR Part 60, Appendix A-7.	40 CFR §60.547(a)(1)
5. If testing of the emission point is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR Part 60, Appendix A-7.	Rule 335-3-1-.05 40 CFR §60.547(a)(2)
6. The Permittee shall comply with all of the applicable test methods and procedures in 40 CFR §60.547(a).	40 CFR §60.547(a)(1)-(5)
7. Controlled VOC emissions from these units shall be determined by applying the overall VOC reduction factor determined during source testing to total VOC usage.	Rule 335-3-16-.05(c)1.
Emission Monitoring	
1. Within 90 calendar days after electing to operate the capture or control device at conditions different from the most recent determination of overall reduction efficiency, the owner or operator of this facility shall conduct a performance test for the determination of VOC emissions. Compliance with the VOC standards shall be determined by conducting performance tests in accordance with the methods listed in the preceding section.	Rule 335-3-16-.05(c)1.
2. The owner or operator of an affected facility who elects to use a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator), as described under 40 CFR §60.543(g), shall repeat the performance test when directed by the Administrator or when the owner or operator elects to operate the capture system or control device at conditions different from the most recent determination of overall reduction efficiency. The performance test shall be conducted in accordance with the procedures described under 40 CFR §60.543(f)(2)(i) through (iv).	40 CFR §60.543(b)(2)
3. The Permittee shall install, calibrate, maintain, and operate according to manufacturer's specifications, a temperature monitoring device equipped with a continuous recorder for the temperature of the gas stream in the combustion zone of the incinerator (Boilers 1-4). The temperature monitoring device shall have an accuracy of 1 percent of the temperature being measured in °C or ± 0.5 °C, whichever is greater.	40 CFR §60.544(a)(1)

Federally Enforceable Provisos**Regulations**

4. An owner or operator of an undertread cementing operation where a VOC recovery device other than a carbon adsorber is used to meet the performance requirements specified under 40 CFR §60.543(j)(6), shall provide to the Administrator information describing the operation of the control device and the process parameter(s) which would indicate proper operation and maintenance of the device. The Administrator may request further information and will specify appropriate monitoring procedures or requirements.

40 CFR §60.544(b)

Recordkeeping and Reporting Requirements

1. Records of the VOC content of any cements or sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

Rule 335-3-16-.05(c)2.

2. The Permittee shall maintain continuous records of the temperature of the gas stream in the combustion zone of the incinerator and records of all 3-hour periods of operation for which the average temperature of the gas stream in the combustion zone was more than 28 °C (50 °F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerator that demonstrated that the affected facility was in compliance.

40 CFR §60.545(a)

3. The Permittee shall report the results of the performance tests required under 40 CFR §60.543(b)(2). The following data shall be included in the report for each of the performance tests: The emission control device efficiency (E), the capture system efficiency (Fc), the face velocity through each permanent opening in the capture system with the temporary openings closed, and the overall system emission reduction (R).

40 CFR §60.546(c)(4)

4. The Permittee shall include the following data measured by the temperature monitoring device, in the report for each performance test specified under 40 CFR §60.546(c): The average combustion temperature measured at least every 15 minutes and averaged over the performance test period of incinerator destruction efficiency for each thermal incinerator.

40 CFR §60.546(e)(1)

5. Once every 6 months, the Permittee shall report each 3-hour period of operation for which the average temperature of the gas stream in the combustion zone of a thermal incinerator, as measured by the temperature monitoring device, is more than 28°C (50°F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerator that demonstrated that the affected facility was in compliance. If no exceedances occurred

40 CFR §60.546(f)(4)

Federally Enforceable Provisos

Regulations

during the reporting period, a letter shall be sent indicating that no exceedances occurred.

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Summary Page for 1st and 2nd Stage Tire Assembly with Michelin C Process

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU004	1 st Stage Tire Assembly (Q1, R1, R2, R3, R4, R5, R6, R7, S1, S2, S3, T1, T2, T3, T4, T5, T6, T7, T8) 2 nd Stage Tire Assembly with Michelin C Operations (1Q, 1R, 2R, 3R, 4R, 5R, 6R, 7R, 1S, 3S, 0T, 1T, 2T, 3T, 4T, 5T, 6T, 7T)	VOC	See 40 CFR §60.542(a)(10)(ii)	40 CFR Part 60 Subpart BBB
EU004	Units Q1 and 1Q	VOC	39.5 tons per consecutive 12-month period	Rule 335-3-14-.04 (Anti-PSD)
EU004	1 st Stage Tire Assembly (Q1, R1, R2, R3, R4, R5, R6, R7, S1, S2, S3, T1, T2, T3, T4, T5, T6, T7, T8) 2 nd Stage Tire Assembly with Michelin C Operations (1Q, 1R, 2R, 3R, 4R, 5R, 6R, 7R, 1S, 3S, 0T, 1T, 2T, 3T, 4T, 5T, 6T, 7T)	HAP	N/A	N/A

Provisos for 1st and 2nd Stage Tire Assembly with Michelin C Process

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
2. Units Q1 and 1Q have an enforceable limit in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> ”.	Rule 335-3-14-.04 (Anti-PSD)
3. The Michelin C portions of 1Q, 1R, 2R, 3R, 4R, 5R, 6R, 7R, 1S, 3S, 0T, 1T, 2T, 3T, 4T, 5T, 6T, and 7T are subject to the applicable provisions of 40 CFR Part 60, Subpart BBB, “ <i>Standards of Performance for the Rubber Tire Manufacturing Industry</i> ”.	Rule 335-3-10-.02(54) 40 CFR §60.540(a)
4. The Michelin C portions of 1Q, 1R, 2R, 3R, 4R, 5R, 6R, 7R, 1S, 3S, 0T, 1T, 2T, 3T, 4T, 5T, 6T, and 7T are subject to the applicable provisions of 40 CFR Part 60, Subpart A, “ <i>General Provisions</i> ”.	Rule 335-3-10-.02(1) 40 CFR §60.1(a)
Emission Standards	
1. The emissions of volatile organic compounds (VOC) from each Michelin C portion of 1Q, 1R, 2R, 3R, 4R, 5R, 6R, 7R, 1S, 3S, 0T, 1T, 2T, 3T, 4T, 5T, 6T, and 7T shall not exceed the limits below, depending on the duration of the compliance period: <ul style="list-style-type: none"> (a) 1,570 kilograms (3,461 lb) of VOC per 28 days, (b) 1,630 kilograms (3,593 lb) of VOC per 29 days, (c) 1,690 kilograms (3,726 lb) of VOC per 30 days, (d) 1,740 kilograms (3,836 lb) of VOC per 31 days, or (e) 1,970 kilograms (4,343 lb) of VOC per 35 days. 	40 CFR §60.542(a)(10)(ii)
2. The combined total VOC emissions from Units Q1 and 1Q shall not exceed 39.5 tons during any consecutive twelve (12) month period.	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	
1. For each Michelin C operation, the following procedure shall be used to determine compliance with the applicable uncontrolled monthly VOC use limit:	40 CFR §60.543(c)

Federally Enforceable Provisos	Regulations
(a) Determine the density and weight fraction of VOC (including dilution VOC) in each cement from its formulation data or by analysis of the cement using Method 24 of 40 CFR Part 60, Appendix A.	40 CFR §60.543(c)(1)
(b) Calculate the total mass of VOC used at the affected facility for the month (M_o) using the following procedure: <ul style="list-style-type: none"> <li data-bbox="280 499 1117 594">i. For each facility for which cement is delivered in batch or via a distribution system that serves only the affected facility: 	40 CFR 60 §60.543(c)(2)
$M_o = \sum_{i=1}^a L_{c_i} D_{c_i} W_{o_i}$	
Where:	
a = the number of different cements used during the month	
L_c = volume of cement used during for a month (liters (gallons))	
D_c = density of cement (grams/liter (lb/gallon))	
W_o = weight fraction of VOC in a cement	
(c) Determine the time duration of the monthly compliance period (T_a).	40 CFR §60.543(c)(3)
2. In determining compliance for each Michelin-C-automatic operation, the owner or operator shall include all the VOC used, recovered, or destroyed from the cement(s) including those cements used for tires other than those defined under 40 CFR §60.541(a).	40 CFR §60.543(l)
3. The VOC content in the cement(s) shall be determined from formulation data or by analysis of the cement using Method 24 of 40 CFR Part 60, Appendix A-7.	40 CFR §60.547(a)(1)
4. If testing of the emissions point is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR Part 60, Appendix A-7.	Rule 335-3-1-.05 40 CFR §60.547(a)(2)
5. The Permittee shall comply with all of the applicable test methods and procedures in 40 CFR §60.547(a).	40 CFR §60.547(a)(1)-(5)
Emission Monitoring	

Federally Enforceable Provisos**Regulations**

1. A monthly performance test shall be conducted to demonstrate compliance with the VOC standards in 40 CFR §60.542(a)(10)(ii) in accordance with the requirements of 40 CFR §60.543(c).

40 CFR §60.543(b)(1)

Recordkeeping and Reporting Requirements

1. Records of VOC content of any cements or sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

Rule 335-3-16-.05(c)2.

2. Records summarizing the monthly VOC emissions from the undertread cementing portions of 1Q, 1R, 2R, 3R, 4R, 5R, 6R, 7R, 1S, 3S, 0T, 1T, 2T, 3T, 4T, 5T, 6T, and 7T, and the number of days in each compliance period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

40 CFR §60.545(d)

3. Monthly VOC emissions records shall be compiled no later than the tenth (10th) day of the month following each monthly reporting period.

Rule 335-3-16-.05(c)2.

4. The Permittee shall maintain a record to the 12-month rolling total of VOC emissions from Units Q1 and 1Q. These records shall be compiled no later than the tenth (10th) day of the month following each monthly reporting period.

Rule 335-3-16-.05(c)2.

5. The Permittee shall maintain records of the results of all monthly performance tests.

40 CFR §60.545(e)

6. Once every 6 months, the Permittee shall report each monthly average VOC use rate that exceeds the monthly VOC usage limit.

40 CFR §60.546(f)(2)

7. During any month, twelve (12) month period, or other compliance period during which there is an exceedance of the VOC emission limit, the Department shall be notified in writing within twenty-four (24) hours of determining the exceedance. The notification shall include the following:

Rule 335-3-16-.05(c)3.

- (a) Dates covered during the reporting period.
- (b) Amount of VOC used during the reporting period.
- (c) Amount of VOC emitted during the reporting period.
- (d) Description of the cause of the exceedance.
- (e) Description of any corrective action taken.

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Summary Page for Tire Curing and Finishing Operation

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU007	Curing Presses	VOC	37.7 TPY (<i>associated with the use of silane</i>)	Rule 335-3-14-.04 (Anti-PSD)
EU007	Curing Presses	HAPs	N/A	N/A
EU007	Green Tire Spraying with Hydrostatic Precipitator	PM	2.90 lb/hr	Rule 335-3-14-.04 (Anti-PSD)
EU007	Green Tire Spraying with Hydrostatic Precipitator	VOC	N/A	N/A
EU007	Green Tire Spraying with Hydrostatic Precipitator	HAPs	N/A	N/A
EU007	Green Tire Spraying with Hydrostatic Precipitator	Opacity	See General Provisos	Rule 335-3-4-.01(1)
EU007	RIS Grinding with Cyclones	PM	1.30 lb/hr	Rule 335-3-14-.04 (Anti-PSD)
EU007	RIS Grinding with Cyclones	PM ₁₀	0.60 lb/hr	Rule 335-3-14-.04 (Anti-PSD)
EU007	RIS Grinding with Cyclones	VOC	N/A	N/A
EU007	RIS Grinding with Cyclones	HAPs	N/A	N/A
EU007	RIS Grinding with Cyclones	Opacity	See General Provisos	Rule 335-3-4-.01(1)
EU007	White Sidewall Grinding with Cyclones	PM	4.20 lb/hr	Rule 335-3-14-.04 (Anti-PSD)
EU007	White Sidewall Grinding with Cyclones	PM ₁₀	1.90 lb/hr	Rule 335-3-14-.04 (Anti-PSD)
EU007	White Sidewall Grinding with Cyclones	VOC	N/A	N/A
EU007	White Sidewall Grinding with Cyclones	HAPs	N/A	N/A

EU007	White Sidewall Grinding with Cyclones	Opacity	See General Provisos	Rule 335-3-4-.01(1)
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Provisos for Tire Curing and Finishing Operation

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, “ <i>Control of Particulate Emissions – Visible Emissions</i> ”.	Rule 335-3-4-.01
3. This source has enforceable limits in place in place in order to prevent it from being subject to the provisions ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]</i> ”.	Rule 335-3-14-.04 (Anti-PSD)
4. Green Tire Sprayer No. 6 is subject to the applicable provisions of 40 CFR Part 60, Subpart BBB, “ <i>Standards of Performance for the Rubber Tire Manufacturing Industry</i> ”.	Rule 335-3-10-.02(54) 40 CFR §60.540(A)
5. Green Tire Sprayer No. 6 is subject to the applicable provisions of 40 CFR Part 60, Subpart A, “ <i>General Provisions</i> ”.	Rule 335-3-10-.02(1) 40 CFR §60.1(a)
Emission Standards	
1. Visible emissions from this source shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
2. Volatile organic compound (VOC) emissions associated with the use of silane-based rubber shall not exceed 37.7 tons during any consecutive twelve (12) month period.	Rule 335-3-14-.04 (Anti-PSD)
3. Total particulate matter (PM) emissions from the Green Tire Spraying Operation shall not exceed 2.90 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
4. Total PM emissions from the RIS Grinding Operation shall not exceed 1.30 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
5. Total PM ₁₀ emissions from the RIS Grinding Operation shall not exceed 0.60 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
6. Total PM emissions from the White Sidewall Grinding Operation shall not exceed 4.20 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
7. Total PM ₁₀ emissions from the White Sidewall Grinding Operation shall not exceed 1.90 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)

Federally Enforceable Provisos	Regulations
8. VOC emissions from Green Tire Sprayer No. 6 shall not exceed 1.2 grams (0.0026 lb) per tire sprayed with an inside green tire spray for each month.	40 CFR §60.542(a)(5)(i)
9. VOC emissions from Green Tire Sprayer No. 6 shall not exceed 9.3 grams (0.021 lb) per tire sprayed with an outside green tire spray for each month.	40 CFR §60.542(a)(5)(ii)
10. The sprays used by Green Tire Sprayer No. 6 shall be water-based and contain less than one (1%) percent VOC by weight.	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	
1. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of the opacity of the stack emissions.	Rule 335-3-1-.05
2. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3 shall be used in the determination of filterable PM emissions.	Rule 335-3-1-.05
3. If testing is required, Method 201 or 201A of 40 CFR Part 51, Appendix M shall be used in the determination of PM ₁₀ emissions.	Rule 335-3-1-.05
4. If testing is required, Method 202 of 40 CFR Part 51, Appendix M shall be used in the determination of total (filterable and condensable) PM emissions.	Rule 335-3-1-.05
5. The VOC content in the spray(s) used by Green Tire Sprayer No. 6 shall be determined from formulation data or by analysis of the spray using Method 24 of 40 CFR Part 60, Appendix A-7.	40 CFR §60.547(a)(1)
6. If testing is required, Method 25 or 25A of 40 CFR Part 60, Appendix A-7 shall be used in the determination of VOC emission.	Rule 335-3-1-.05 40 CFR §60.547(a)(2)
7. The Permittee shall comply with all of the applicable test methods and procedures in 40 CFR §60.547(a).	40 CFR §60.547(a)(1)-(5)
Emission Monitoring	
1. A check of instantaneous visible emissions from the stack associated with the hydrostatic precipitator shall be accomplished weekly while in operation.	Rule 335-3-16-.05(c)1.
2. A check of instantaneous visible emissions from the stacks associated with the cyclones shall be accomplished weekly while in operation.	Rule 335-3-16-.05(c)1.

Federally Enforceable Provisos	Regulations
3. If the observed instantaneous opacity from any unit is greater than ten (10%) percent, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR Part 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.	Rule 335-3-16-.05(c)1.
4. If the average opacity during any Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within two (2) hours .	Rule 335-3-16-.05(c)1.
5. For Green Tire Sprayer No. 6, the Permittee shall submit formulation data or the results of a Method 24 analysis annually to verify the VOC content of each tread end cement and each green tire spray material, provided the spraying formulation has not changed during the previous 12 months. If the spray material formulation changes, formulation data or a Method 24 analysis of the new spray shall be conducted to determine the VOC content of the spray and reported within 30 days.	40 CFR §60.543(b)(4)
Recordkeeping and Reporting Requirements	
1. Records of the visible emissions checks shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)2.
2. If a Method 9 visible emissions observation is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)2.
3. Records summarizing the monthly and twelve (12) month rolling VOC emissions from the curing of silane-based rubber at this facility shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	Rule 335-3-16-.05(c)2.
4. Monthly and updated twelve (12) month rolling VOC emissions from the curing of silane-based rubber shall be compiled no later than the tenth (10 th) day of the month following each monthly reporting period.	Rule 335-3-16-.05(c)2.
5. During any month, twelve (12) month period, or other compliance period during which there is an exceedance of one or more of the permitted emission limits, the Department shall be notified in writing within twenty-four (24) hours of	Rule 335-3-16-.05(c)3.

Federally Enforceable Provisos**Regulations**

determining the exceedance. The notification shall include the following: (a) Dates covered during the reporting period. (b) Amount of pollutant emitted during the reporting period. (c) Description of the cause of the exceedance. (d) Description of any corrective action taken.	
6. A semi-annual monitoring report shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: [INSERT DATES], and [INSERT DATES] of each calendar year. This report shall include the following: (a) Calendar dates covered in the reporting period. (b) All visible emissions (VE) exceedances. (c) A description of the cause of any exceedance. (d) A description of any corrective action taken. (e) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9. (f) Signature of the responsible official as required by General Proviso No. 9.	Rule 335-3-16-.05(c)3.
7. The Permittee shall maintain records of formulation data or the results of Method 24 analysis conducted to verify the VOC content of the spray(s) used by Green Tire Sprayer No. 6. These records shall be maintained in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.	40 CFR §60.545(f)
8. Once every 6 months, the Permittee shall report each monthly average VOC emission rate that exceeds the VOC emission limit per tire for Green Tire Sprayer No. 6.	40 CFR §60.546(f)(1)
9. The Permittee shall furnish the Administrator, within 60 days initially and annually thereafter, formulation data or Method 24 results to verify the VOC content of the water-based sprays in use by Green Tire Sprayer No. 6. If the spray formulation changes before the end of the 12-month period, formulation data or Method 24 results to verify the VOC content of the spray shall be reported within 30 days of the change.	40 CFR §60.546(j)

Summary Page for Tringle Spraying Operation with Baghouse

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU015	Tringle Spraying Operation with Baghouse	PM	0.10 lb/hr	Rule 335-3-14-.04 (Anti-PSD)
EU015	Tringle Spraying Operation with Baghouse	VOC	N/A	N/A
EU015	Tringle Spraying Operation with Baghouse	HAPs	N/A	N/A
EU015	Tringle Spraying Operation with Baghouse	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Tringle Spraying Operation with Baghouse

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, “ <i>Control of Particulate Emissions – Visible Emissions</i> ”.	Rule 335-3-4-.01
3. This source has enforceable limits in place in place in order to prevent it from being subject to the provisions ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]</i> ”.	Rule 335-3-14-.04 (Anti-PSD)
Emission Standards	
1. Visible emissions from this source shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01(1)
2. Total particulate matter (PM) emissions from this unit shall not exceed 0.10 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	
1. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of the opacity of the stack emissions.	Rule 335-3-1-.05
2. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3 shall be used in the determination of PM emissions.	Rule 335-3-1-.05
Emission Monitoring	
1. A check of instantaneous visible emissions from the stack associated with the baghouse shall be accomplished weekly while in operation.	Rule 335-3-16-.05(c)1.
2. If the observed instantaneous opacity from any unit is greater than ten (10%) percent, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR Part 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.	Rule 335-3-16-.05(c)1.

Federally Enforceable Provisos

Regulations

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| 3. If the average opacity during any Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within two (2) hours . | Rule 335-3-16-.05(c)1. |
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Recordkeeping and Reporting Requirements

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| 1. Records of the visible emissions checks shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. | Rule 335-3-16-.05(c)2. |
| 2. If a Method 9 visible emissions observation is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. | Rule 335-3-16-.05(c)2. |
| 3. A semi-annual monitoring report shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: [INSERT DATES], and [INSERT DATES] of each calendar year. This report shall include the following:
<ul style="list-style-type: none">(g) Calendar dates covered in the reporting period.(h) All visible emissions (VE) exceedances.(i) A description of the cause of any exceedance.(j) A description of any corrective action taken.(k) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9.(l) Signature of the responsible official as required by General Proviso No. 9. | Rule 335-3-16-.05(c)3. |

Summary Page for Boilers

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU010	Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2)	PM	$E = 1.38H^{-0.44}$	Rule 335-3-4-.03
EU010	Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2)	SO ₂	Combined 35,000 gallons of No. 2 fuel oil	Rule 335-3-14-.04 (Anti-PSD)
EU010	Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2)	NO _x	N/A	N/A
EU010	Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2)	CO	N/A	N/A
EU010	Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2)	VOC	N/A	N/A
EU010	Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2)	Opacity	See General Provisos	Rule 335-3-4-.01(1)
EU009	50.0 MMBtu/hr Natural Gas Fired Boiler (Boiler 3)	PM	$E = 1.38H^{-0.44}$	Rule 335-3-4-.03
EU009	50.0 MMBtu/hr Natural Gas Fired Boiler (Boiler 3)	NO _x	N/A	N/A
EU009	50.0 MMBtu/hr Natural Gas Fired Boiler (Boiler 3)	CO	N/A	N/A
EU009	50.0 MMBtu/hr Natural Gas Fired Boiler (Boiler 3)	VOC	N/A	N/A
EU009	50.0 MMBtu/hr Natural Gas Fired Boiler (Boiler 3)	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Boilers

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, “ <i>Control of Particulate Emissions – Visible Emissions</i> ”.	Rule 335-3-4-.01
3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.03, “ <i>Control of Particulate Emissions – Fuel Burning Equipment</i> ”.	Rule 335-3-4-.03
4. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-5-.01, “ <i>Control of Sulfur Compound Emissions – Fuel Combustion</i> ”.	Rule 335-3-5-.01
5. These sources have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> ”.	Rule 335-3-14-.04 (Anti-PSD)
Emission Standards	
1. Particulate emissions from the boilers shall not exceed that which is given by the equation in ADEM Admin. Code r. 335-3-4-.03(1).	Rule 335-3-4-.03(1)
2. Only natural gas shall be burned in Boilers 1 & 2 unless in periods of curtailment, gas supply emergencies, or periodic testing on liquid fuel.	Rule 335-3-16-.05(a) Rule 335-3-5-.01(1)(b) 40 CFR §63.11195(e)
(a) No more than a combined total of 35,000 gallons of No. 2 fuel oil shall be burned in Boilers 1 & 2 during any consecutive twelve (12) month period.	Rule 335-3-14-.04 (Anti-PSD)
3. Only natural gas shall be burned in Boiler 3.	Rule 335-3-16-.05(a) Rule 335-3-5-.01(1)(b)
4. The sulfur content of the fuel oil burned in Boilers 1 & 2 shall not exceed 0.5% by weight.	Rule 335-3-14-.04 (Anti-PSD)
Compliance and Performance Test Methods and Procedures	

Federally Enforceable Provisos	Regulations
1. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of the opacity.	Rule 335-3-1-.05
2. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3 shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. If testing is required, Method 6 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of sulfur dioxide (SO ₂) emissions.	Rule 335-3-1-.05
4. If testing is required, Method 7E of 40 CFR Part 60, Appendix A-4 shall be used in the determination of nitrogen oxides (NO _x) emissions.	Rule 335-3-1-.05
5. If testing is required, Method 10 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of carbon monoxide (CO) emissions.	Rule 335-3-1-.05
6. If testing is required, Method 25 of 40 CFR Part 60, Appendix A-7 shall be used in the determination of volatile organic compound (VOC) emissions.	Rule 335-3-1-.05
7. The sulfur content of the fuel oil burned in the boilers shall be determined by procedures found in ASTM 129-00.	Rule 335-3-1-.05
Emission Monitoring	
1. When firing fuel oil, an observation of instantaneous visible emissions from the stacks associated with these units shall be accomplished daily by an individual certified to determine opacity.	Rule 335-3-16-.05(c)1.
2. If the observed instantaneous opacity is greater than ten (10%) percent, a visible emissions observation shall be conducted within thirty (30) minutes in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.	Rule 335-3-16-.05(c)1.
3. If the average opacity during the Method 9 visible emission observation exceeds ten (10%) percent, corrective action must be initiated within two (2) hours.	Rule 335-3-16-.05(c)1.
4. Compliance with the fuel oil sulfur content limit shall be determined from either a certification provided by the fuel oil supplier or laboratory test results obtained by the Permittee.	Rule 335-3-16-.05(c)1.
Recordkeeping and Reporting Requirements	

Federally Enforceable Provisos**Regulations**

- | Federally Enforceable Provisos | Regulations |
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| 1. All records shall be retained in a permanent form suitable for inspection for at least five (5) years from the date of generation and shall be made available upon request. | Rule 335-3-16-.05(c)2. |
| 2. Monthly, and twelve (12) month rolling total natural gas and fuel oil usage in these units shall be maintained. | Rule 335-3-16-.05(c)2. |
| 3. If utilized, fuel oil supplier certificates shall contain the name of the oil supplier and a statement from the oil supplier that the oil complies with the sulfur content limit. | Rule 335-3-16-.05(c)2. |
| 4. Records of the observation date, observation time, emission point designation, name of the observer, expiration date of observer's certification, observed opacity, and any corrective actions taken during each visible emissions observation shall be maintained. | Rule 335-3-16-.05(c)2. |
| 5. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. | Rule 335-3-16-.05(c)2. |
| 6. A semi-annual report summarizing the type and quantity of each fuel burned in these units shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: [INSERT DATES], and [INSERT DATES] of each calendar year. This report shall include the following:
(a) Calendar dates covered in the reporting period.
(b) Amounts of each fuel combusted in these units during the reporting period.
(c) Twelve (12) month rolling total of each fuel burned in the boilers during the reporting period.
(d) A tabulated summary of fuel oil supplier certification(s).
(e) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9.
(f) Signature of the responsible official as required by General Proviso No. 9. | Rule 335-3-16-.05(c)3. |
| 7. A semi-annual monitoring report shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: [INSERT DATES], and [INSERT DATES] of each calendar year. This report shall include the following:
(a) Calendar dates covered in the reporting period.
(b) All visible emissions (VE) exceedances. | Rule 335-3-16-.05(c)3. |

Federally Enforceable Provisos

Regulations

- (c) A description of the cause of any exceedance.
- (d) A description of any corrective action taken.
- (e) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9.
- (f) Signature of the responsible official as required by General Proviso No. 9.

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Summary Page for Diesel Fired Emergency Fire Pumps 1, 2, & 3

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU016	Three 350 HP, each Diesel Fired Emergency Fire Pump Engines	PM	N/A	N/A
EU016	Three 350 HP, each Diesel Fired Emergency Fire Pump Engines	SO ₂	N/A	N/A
EU016	Three 350 HP, each Diesel Fired Emergency Fire Pump Engines	NO _x	N/A	N/A
EU016	Three 350 HP, each Diesel Fired Emergency Fire Pump Engines	CO	N/A	N/A
EU016	Three 350 HP, each Diesel Fired Emergency Fire Pump Engines	VOC	N/A	N/A
EU016	Three 350 HP, each Diesel Fired Emergency Fire Pump Engines	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Diesel Fired Emergency Fire Pumps 1, 2, & 3

Federally Enforceable Provisos	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin Code r. 335-3-4-.01, “Control of Particulate Emissions – Visible Emissions”.	Rule 335-3-4-.01
3. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart IIII, “Standards of Performance for Stationary Compression Ignition Internal Combustion Engines”.	Rule 335-3-10-.02(87) 40 CFR §60.4200(a)(2)(i)
4. These sources are subject to the applicable requirements of 40 CFR Part 60, Subpart A, "General Provisions" as listed in Table 8 to Subpart IIII.	Rule 335-3-10-.02(1) 40 CFR §60.4218
5. These sources must meet the requirements of 40 CFR Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR Part 60, Subpart IIII, for compression ignition engines.	40 CFR §63.6590(c)(6)
Emission Standards	
1. Visible emissions from these sources shall not exceed the opacity limitations as specified in General Proviso No. 29.	Rule 335-3-4-.01
2. These units are subject to the applicable emission standards listed in Table 4 to 40 CFR Part 60, Subpart IIII.	40 CFR §60.4205(c)
3. The Permittee must operate and maintain these units according to the manufacturer’s written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engines.	40 CFR §60.4206
4. These units must use diesel fuel that meets the requirements of 40 CFR §1090.305.	40 CFR §60.4207(b)
5. These units shall be certified to the emission standards in 40 CFR §60.4205(c) for the same model year and NFPA nameplate engine power.	40 CFR §60.4211(c)
6. These units must be installed and configured according to the manufacturer’s specifications.	40 CFR §60.4211(c)
7. These units may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated	40 CFR §60.4211(f)

Federally Enforceable Provisos

Regulations

with the engine. Maintenance checks and readiness testing of this unit is limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. These units may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 60 Subpart III, is prohibited.

Compliance and Performance Test Methods and Procedures

- 1. If testing is required, Method 9 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of opacity. Rule 335-3-1-.05
- 2. If testing is required, Method 5 of 40 CFR Part 60, Appendix A-3 shall be used in the determination of particulate matter (PM) emissions. Rule 335-3-1-.05
- 3. If testing is required, Method 7E of 40 CFR Part 60, Appendix A-4 shall be used in the determination of nitrogen oxide (NO_x) emissions. Rule 335-3-1-.05
- 4. If testing is required, Method 10 of 40 CFR Part 60, Appendix A-4 shall be used in the determination of carbon monoxide (CO) emissions. Rule 335-3-1-.05

Emission Monitoring

- 1. The Permittee must install non-resettable hour meters prior to startup of the engines. 40 CFR §60.4209(a)

Recordkeeping and Reporting Requirements

- 1. The Permittee must record hours of operation of these units in emergency and non-emergency service that are recorded through a non-resettable hour meter. The permittee must record the time of operation and the reason the engine was in operation during that time. 40 CFR §60.4214(b)

Summary Page for Plant-Wide Applicability Limit (PAL)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Facility Wide	Plant-Wide Applicability Limit (PAL)	VOC	457.9 Tons per rolling 12-month period	Rule 335-3-14-.04(8)

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Provisos for Plant-Wide Applicability Limit (PAL)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
2. Any physical change or change in the method of operation of this facility that maintains its total source-wide emissions below the PAL level, meets the requirements in 335-3-14-.04-(23)(a) through (o), and complies with the PAL permit: (a) Is not a major modification for the PAL pollutant. (b) Does not have to be approved through the PSD program.	Rule 335-3-14-.04 (23)(a)-(o)
3. The Permittee shall continue to comply with any State or Federal applicable requirements (BACT, RACT, NSPS, synthetic minor limit, etc.) that may have applied either during the PAL effective period or prior to the PAL effective period.	Rule 335-3-14-.04 (23)(a)-(o)
4. At no time (during or after the PAL effective period) are emissions reductions of a PAL pollutant that occur during the PAL effective period creditable as decreases for purposes of offsets under Rule 335-3-14-.05 unless the level of the PAL is reduced by the amount of such emissions reductions and such reductions would be creditable in the absence of the PAL.	Rule 335-3-14-.04 (23)(a)-(o)
5. The PAL established in this permit only addresses the applicability criteria for VOCs under the state PSD Rule 335-3-14-.04. Any modifications to this source remain subject to applicable construction permit requirements in Rule 335-3-14 and the Title V operating permit modification procedures of Rule 335-3-16-.13 or 335-3-16-.14.	Rule 335-3-14-.04 (23)(a)-(o)
6. This PAL shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit VOCs at the facility.	Rule 335-3-14-.04 (23)(a)-(o)
7. This PAL shall have a PAL effective period of 10 years from the date of issuance (May 24, 2013).	Rule 335-3-14-.04 (23)(a)-(o)
8. If the Permittee applies to renew this PAL in accordance with 335-3-14-.04(23)(j)(2), then the PAL shall not expire at the end of the PAL effective period. It shall remain in effect until a revised PAL permit is issued.	Rule 335-3-14-.04 (23)(a)-(o)
9. If the PAL expires, the Permittee is subject to the requirements of Rule 335-3-14-.04(23)(i).	Rule 335-3-14-.04 (23)(a)-(o)

Federally Enforceable Provisos**Regulations**

10. Emission calculations for compliance purposes must include emissions from startups and shutdowns.

Rule 335-3-14-.04
(23)(a)-(o)

Emission Standards

1. The annual emission limitation for this facility for this PAL shall be **457.90 Tons of VOC** in any consecutive rolling 12-month period (Tons per Year (TPY)). This PAL shall regulate emissions of **VOC**. For each month during the PAL effective period after the first 12 months of establishing this PAL limit, the sum of the monthly emissions from each emissions unit under the PAL for the previous 12 consecutive months shall be less than the PAL limit (a 12-month total, rolled monthly).

Rule 335-3-14-.04(8)

Compliance and Performance Test Methods and Procedures

1. The calculation procedures that the Permittee shall use to convert monitoring system data to monthly emissions and annual emissions based on a 12-month rolling total are found in Rule 335-3-14-.04 (23)(l).

Rule 335-3-14-.04
(23)(a)-(o)

2. If the Permittee uses mass balance calculations to monitor PAL pollutant emissions from activities using coating or solvents, the following requirements shall be met:

Rule 335-3-14-.04
(23)(a)-(o)

(a) The Permittee shall provide a demonstrated means of validating the published content of VOC that is contained in or created by all materials used in or at the emission units.

(b) The Permittee shall assume that the emission units emit all of the VOC that is contained in or created by any raw material or fuel used in or at the emission units, if it cannot otherwise be accounted for in the process.

(c) Where the vendor of a material or fuel, which is used in or at the emission units, publishes a range of pollutant content from much material, the Permittee must use the highest value of the range to calculate the VOC emissions unless the Director determines there is site-specific data or a site-specific monitoring program to support another content within the range.

3. If the Permittee uses emissions factors to monitor VOC emissions, the following requirements shall be met:

Rule 335-3-14-.04
(23)(a)-(o)

(a) All emission factors shall be adjusted, if appropriate, to account for the degree of uncertainty or limitations in the factors' development.

Federally Enforceable Provisos**Regulations**

(b) The emissions units shall operate within the designated range of use for the emission factor, if applicable.

(c) If technically practicable, the Permittee of a significant emission unit that relies on an emission factor to calculate VOC emissions shall conduct validation testing to determine a site-specific emission factor within 6 months of PAL permit issuance, unless the Director determines that testing is not required.

For curing, Michelin shall validate the factor by reviewing the tire types that are being cured in comparison to the types that were used for the AP-42 factor testing and assuring that the correct tire types are being used to estimate VOC emissions. In addition, Michelin shall use the highest (worst case) factor for VOC to assure that the estimate is the worst case and results in the highest VOC emissions estimate. A record shall be kept the validation data.

4. *Re-validation.* All data used to establish the PAL pollutant must be revalidated through performance testing or other scientifically valid means approved by the Director. Such testing must occur at least once every 5 years after issuance of the PAL.

Rule 335-3-14-.04
(23)(a)-(o)

For curing, Michelin shall re-validate as described above in 3(c) once every 5 years.

Emission Monitoring

1. The Permittee will monitor all emissions units in accordance with the provisions under Rule 335-3-14-.04(23)(l).

Rule 335-3-14-.04
(23)(a)-(o)

Recordkeeping and Reporting Requirements

1. The Permittee shall retain the records under Rule 334-3-14-.04(23)(m) on site. Such records may be retained in an electronic format.

Rule 335-3-14-.04
(23)(a)-(o)

2. A copy of all records necessary to determine compliance with any requirement of Rule 335-3-14-.04-(23) and of the PAL, including a determination of each emissions unit's 12-month rolling total emissions, for 5 years from the date of such record shall be retained.

Rule 335-3-14-.04
(23)(a)-(o)

3. All records required under this PAL shall be kept on site. Such records may be retained in an electronic form. Accurate and understandable records will be maintained in a form suitable for inspection and be available immediately upon request. Copies of any records or background documentation will be provided upon request.

Rule 335-3-14-.04
(23)(a)-(o)

Federally Enforceable Provisos**Regulations**

- | Federally Enforceable Provisos | Regulations |
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| <p>4. A copy of the following records shall be retained for the duration of the PAL effective period plus 5 years:</p> <ul style="list-style-type: none">(a) A copy of the PAL permit application and any applications for revisions to the PAL.(b) Each annual certification of compliance pursuant to Title V and the data relied on in certifying the compliance. | Rule 335-3-14-.04
(23)(a)-(o) |
| <p>5. Semi-annual monitoring reports and prompt deviation reports for the PAL shall be submitted to the Director in accordance with the schedule and requirements of this Title V Operating Permit.</p> <ul style="list-style-type: none">(a) <i>Semi-annual report.</i> This report shall contain the following information:<ul style="list-style-type: none">(1) The identification of the Permittee and the permit number.(2) Total annual emissions (tons/year) based on a 12-month rolling total for each month in the reporting period recorded pursuant to Rule 335-3-14-.04-(23)(m)1.(3) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data, in calculating the monthly and annual PAL pollutant emissions.(4) A list of any emissions units modified or added to the facility during the preceding 6-month period.(5) The number, duration, and cause of any deviations or monitoring malfunctions (other than the time associated with zero and span calibration checks), and any corrective action taken.(6) A notification of a shutdown of any monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, and whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by method included in the permit, as provided by Rule 335-3-14-.04-(23)(l)7.(7) A signed statement by a responsible official (as defined in Rule 335-3-16) certifying the truth, accuracy, and completeness of the information provided in the report.(b) <i>Deviation report.</i> The Permittee shall promptly submit reports of any deviations or exceedance of the PAL requirements, including periods where no monitoring is | Rule 335-3-14-.04
(23)(a)-(o) |

Federally Enforceable Provisos

Regulations

available. A report submitted pursuant to Rule 335-3-16-.05(c)3.(ii) shall satisfy this reporting requirement. The reports shall contain the following information:

- (1) The identification of the permittee and the permit number.
 - (2) The PAL requirement that experienced the deviation or that was exceeded.
 - (3) Emissions resulting from the deviation or the exceedance.
 - (4) A signed statement by a responsible official (as defined in Rule 335-3-16) certifying the truth, accuracy, and completeness of the information provided in the report.
- (c) *Re-validation results.* The Permittee shall submit to the Director the results of any re-validation test or method within 3 months after completion of such test or method.

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