

MAJOR SOURCE OPERATING PERMIT

PERMITTEE: PHIFER, INC.
FACILITY NAME: PHIFER, INC.
FACILITY/PERMIT NO.: 404-0020
LOCATION: FAYETTE, FAYETTE 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

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<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, subdivision, 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>	Rule 335-3-16-.05(f) Rule 335-3-16-.05(g)

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<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 representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p>	Rule 335-3-16-.07(b)

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<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. 	Rule 335-3-16-.07(c)
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually by March 1st of each year, unless more frequent periods are specified according to the specific rule governing the source or required by the Department.</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) or other means used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recording Keeping Requirements); (4) Whether compliance has been continuous or intermittent; (5) Such other facts as the Department may require to determine the compliance status of the source; 	Rule 335-3-16-.07(e)

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- (b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

and to:

Enforcement and Compliance Assurance Division
EPA Region IV
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303

13. Reopening for Cause

Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:

- (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.
- (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.
- (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.
- (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

Rule 335-3-16-.13(5)

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14. Additional Rules and Regulations

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.

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

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 shall be reported to the Department at least twenty-four (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:

Rule 335-3-1-.07(1),(2)

- (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 quantity 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 source 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.

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

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<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> <ol style="list-style-type: none"> (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; or (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; or (3) By paving; or (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 (5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface. 	<p>Rule 335-3-4-.02</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> <ol style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; 	<p>335-3-16-.05(c)2.</p>

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- (5) The results of all analyses; and
 - (6) The operating conditions that existed at the time of sampling or measurement.
- (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.

21. Reporting Requirements

- (a) Reports to the Department of any required monitoring shall be submitted at least every six 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 Rule 335-3-16-.04(9).
- (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.

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

22. Emission Testing Requirements

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.

Rule 335-3-1-.05(3) and
Rule 335-3-1-.04(1)

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.

To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:

- (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.

Rule 335-3-1-.04

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<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 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>335-3-16-.05(a)</p>

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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 Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:

- (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 Part 68 § 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.

40 CFR Part 68

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.

Rule 335-3-14-.01(1)(d)

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.

Rule 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.

Rule 335-3-4-.01(1)

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<p>30. <u>Fuel-Burning Equipment</u></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 Part 335-3-4-.03(1).</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 Part 335-3-5-.01.</p>	<p>Rule 335-3-4-.03(1)</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 Part 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>
<p>33. <u>Permit Shield</u></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 Section 3 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>Rule 335-3-16-.10</p>

Yarn Coating Lines 41, 42, 43, and 44

Informational Summary

Description: Yarn Coating Lines with Wet Scrubber and Filters

Emission Unit: 001

Operating Schedule: 8,760 hours/year

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

40 CFR Part 60, Subpart VVV

Pollutants Emitted

Emission Point No.	Point Description	Pollutant	Emission Limit	Standard
41	Yarn coating line controlled with wet scrubber and CECO filters	VOC	39 TPY	335-3-14-.04
41	Yarn coating line controlled with wet scrubber and CECO filters	PM	Opacity is limited to 20% in any 6 minute period	335-3-4-.01
42	Yarn coating line controlled with wet scrubber and CECO filters	VOC	39 TPY	335-3-14-.04
42	Yarn coating line controlled with wet scrubber and CECO filters	PM	Opacity is limited to 20% in any 6 minute period	335-3-4-.01
43	Yarn coating line controlled with wet scrubber and CECO filters	VOC	39 TPY	335-3-14-.04
43	Yarn coating line controlled with wet scrubber and CECO filters	PM	Opacity is limited to 20% in any 6 minute period	335-3-4-.01
44	Yarn coating line controlled with wet scrubber and CECO filters	VOC	39 TPY	335-3-14-.04
44	Yarn coating line controlled with wet scrubber and CECO filters	PM	Opacity is limited to 20% in any 6 minute period	335-3-4-.01

Yarn Coating Lines 41, 42, 43, and 44 Provisos

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<i>Applicability</i>	
1. This source is subject to a PSD synthetic minor emission limitation.	ADEM Admin. Code r. 335-3-16-.034
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code r. 335-3-16-.03
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, Visible Emissions.	ADEM Admin. Code r. 335-3-4-.01
4. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04, Process Industries – General.	ADEM Admin. Code r. 335-3-4-.04(1)
5. This source is subject to the applicable requirements of 40 CFR Part 60, Subpart VVV – Standards of Performance for Polymeric Coating of Supporting Substrate Facilities.	ADEM Admin. Code r. 335-3-10-.02(74)
<i>Emission Standards</i>	
1. This source 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 opacity not to exceed forty percent (40%).	ADEM Admin. Code r. 335-3-4-.01
2. The particulate matter (PM) emission rate from the yarn coating lines shall not exceed the amount determined by the equation: $E = 3.59 (P)^{0.62}$ Where: E = Emissions in pound per hour P = Process weight per hour in tons per hour	ADEM Admin. Code r. 335-3-4-.04(1)
3. Emission of Volatile Organic Compounds (VOCs) from each line, including, but not limited to coating, storage, cleanup, etc., shall not exceed 39 tons in any consecutive 12-month period.	ADEM Admin. Code r. 335-3-16-.03
<i>Compliance and Performance Test Methods and Procedures</i>	
1. Compliance with the opacity requirement shall be determined by EPA Reference Method 9 in Appendix A of 40 CFR 60.	ADEM Admin. Code r. 335-3-10-.03(1)
2. Compliance with the particulate matter (PM) emission rates shall be determined by EPA Reference Method 5 of 40 CFR 60 Appendix A.	ADEM Admin. Code r. 335-3-10-.03(1)
3. The VOC content by weight of each VOC containing material used shall be determined using EPA Test Method 24, as defined in 40 CFR 60, Appendix A. Vendor data of chemical content is an appropriate substitute.	ADEM Admin. Code r. 335-3-10-.03(1)

Yarn Coating Lines 41, 42, 43, and 44 Provisos

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Emission Monitoring

1. Visible emissions shall be monitored on a weekly basis by someone familiar with Method 9 of 40 CFR 60 Appendix A. If visible emissions greater than 20% opacity are observed corrective action shall be taken within 24 hours and an additional observation shall be made.
2. The pressure differential across the filters shall be recorded weekly.

ADEM Admin. Code r.
335-3-10-.03(1)

ADEM Admin. Code r.
335-3-16-.05

Recordkeeping and Reporting Requirements

1. Records shall be kept of all visible emission observations and pressure differential readings required under Emission Monitoring of this section and of the corrective action taken. These records shall be kept in a form suitable for inspection for a period of at least five (5) years.
2. 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 air permit. These records shall contain the following information:
 - (a) The type, quantity in gallons, and weight in pounds of each VOC or HAP containing material used during each calendar month.
 - (b) The percent by weight of VOCs, water, solids, HAPs, and exempt VOC compounds content of each VOC containing material used each calendar month.
 - (c) The percent by volume of VOCs, water, solids, HAPs, and exempt VOC compounds content of each VOC containing material used each calendar month.
 - (d) Compliance with VOC and HAP limits shall be based upon monthly material use inventories. Emissions may be adjusted for VOC and VHAP content of material removed from the plant as waste or returns if the record keeping and details surrounding the materials are approved in advance.
 - (e) 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.

ADEM Admin. Code r.
335-3-16-.05

ADEM Admin. Code r.
335-3-11-.06(151)

Yarn Coating Lines 41, 42, 43, and 44 Provisos

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<i>Recordkeeping and Reporting Requirements</i>	
<p>(f) The amount of VOCs emitted per calendar month from the coating and cleaning operations in units of pounds and tons.</p> <p>(g) The rolling 12-month total VOCs emitted from the coating and cleaning operations in units of pounds and tons.</p>	
<p>3. This source is subject to the applicable recordkeeping and reporting requirements of 40 CFR Part 60 Subpart VVV - Standards of Performance for Polymeric Coating of Supporting Substrates Facilities.</p>	<p>ADEM Admin. Code r. 335-3-10-.02(74)</p>
<p>4. A report summarizing the information in provisos 1 of this section shall be submitted each calendar quarter by the 15th day of January, April, July, and October, in a format approved by the Department in advance.</p>	<p>ADEM Admin. Code r. 335-3-1-.04</p>

Emergency Fire Pump

Informational Summary

Description: One 247 bhp Compression Ignition Clarke Fire Pump

Emission Unit: 002

Operating Schedule: 8,760 hours/year

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

40 CFR Part 60, Subpart IIII

Pollutants Emitted

Emission Point No.	Point Description	Pollutant	Emission Limit	Standard
2	One 247 bhp Compression ignition Clarke Fire Pump	NO _x	4.0 g/KW-hr	335-3-10-.02(87)
2	One 247 bhp Compression ignition Clarke Fire Pump	CO	3.5 g/KW-hr	335-3-10-.02(87)
2	One 247 bhp Compression ignition Clarke Fire Pump	PM	0.2 g/KW-hr	335-3-10-.02(87)

Emergency Fire Pump Provisos

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<i>Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, Visible Emissions.	ADEM Admin. Code r. 335-3-4-.01
3. This source is subject to the applicable requirements of 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, and meets the criteria for stationary RICE subject to the limits of §60.4205.	ADEM Admin. Code r. 335-3-10-.02(87)
<i>Emission Standards</i>	
1. This source 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 opacity not to exceed forty percent (40%).	ADEM Admin. Code r. 335-3-4-.01
2. The permittee shall not cause or allow emissions of nitrogen oxides (NOx) + NMHC from this unit to exceed 4.0 g/KW-hr.	ADEM Admin. Code r. 335-3-10-.02(87)
3. The permittee shall not cause or allow emissions of carbon monoxide (CO) from this unit to exceed 3.5 g/KW-hr.	ADEM Admin. Code r. 335-3-10-.02(87)
4. The permittee shall not cause or allow emissions of particulate matter (PM) from this unit to exceed 0.2 g/KW-hr.	ADEM Admin. Code r. 335-3-10-.02(87)
<i>Compliance and Performance Test Methods and Procedures</i>	
1. Compliance with the opacity requirement shall be determined by EPA Reference Method 9 in Appendix A of 40 CFR 60.	ADEM Admin. Code r. 335-3-10-.03(1)
2. Compliance with the particulate matter (PM) emission rates shall be determined by EPA Reference Method 5 of 40 CFR 60 Appendix A.	ADEM Admin. Code r. 335-3-10-.03(1)
3. Compliance with the nitrogen oxides (NOx) emission standard for this unit shall be determined by EPA Reference Methods 1, 2, 3, and 4 or 19, and EPA Reference Method 7E in Appendix A of 40 CFR 60.	ADEM Admin. Code r. 335-3-1-.05
4. Compliance with the carbon monoxide (CO) emission standard for this unit shall be determined by EPA Reference Methods 1, 2, 3, and 4 or 19, and EPA Reference Method 10 in Appendix A of 40 CFR 60.	ADEM Admin. Code r. 335-3-1-.05

Emergency Fire Pump Provisos

Federally Enforceable Provisos	Regulations
<i>Emission Monitoring</i>	
1. This emergency engine shall be equipped with a non-resettable hour meter.	ADEM Admin. Code r. 335-3-10-.02(87)
<i>Recordkeeping and Reporting Requirements</i>	
1. Records will be kept in accordance with the requirements of 40 CFR 60.4214.	ADEM Admin. Code r. 335-3-16-.05

Yarn Coating Line 47 with Wet Scrubber and ESP

Informational Summary

Description: Yarn Coating Line 47 with Wet Scrubber and ESP

Emission Unit: 003

Operating Schedule: 8,760 hours/year

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

40 CFR Part 60, Subpart VVV

Pollutants Emitted

Emission Point No.	Point Description	Pollutant	Emission Limit	Standard
47	Yarn Coating Line 47 with Wet Scrubber and ESP	VOC	39 TPY	335-3-14-.04
47	Yarn Coating Line 47 with Wet Scrubber and ESP	PM	Opacity is limited to 20% in any 6 minute period	335-3-4-.01

Yarn Coating Line 47 with Wet Scrubber and ESP Provisos

Federally Enforceable Provisos	Regulations
<i>Applicability</i>	
1. This source is subject to a PSD synthetic minor emission limitation.	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code r. 335-3-16-.03
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, Visible Emissions.	ADEM Admin. Code r. 335-3-4-.01
4. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04, Process Industries - General	ADEM Admin. Code r. 335-3-4-.04(1)
5. This source is subject to the applicable requirements of 40 CFR Part 60, Subpart VVV - Standards of Performance for Polymeric Coating of Supporting Substrates Facilities.	ADEM Admin. Code r. 335-3-10-.02(74)
<i>Emission Standards</i>	
1. This source 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 opacity not to exceed forty percent (40%).	ADEM Admin. Code r. 335-3-4-.01
2. The particulate matter (PM) emission rate from the yarn coating line 27 shall not exceed the amount determined by the equation: $E = 3.59 (P)^{0.62}$ Where: E = Emissions in pound per hour P = Process weight per hour in tons per hour	ADEM Admin. Code r. 335-3-4-.04(1)
3. Emission of Volatile Organic Compounds (VOCs) from each line, including, but not limited to coating, storage, cleanup, etc., shall not exceed 39 tons in any consecutive 12-month period.	ADEM Admin. Code r. 335-3-16-.03
<i>Compliance and Performance Test Methods and Procedures</i>	
1. Compliance with the opacity requirement shall be determined by EPA Reference Method 9 in Appendix A of 40 CFR 60.	ADEM Admin. Code r. 335-3-10-.03(1)
2. Compliance with the particulate matter (PM) emission rates shall be determined by EPA Reference Method 5 of 40 CFR 60 Appendix A.	ADEM Admin. Code r. 335-3-10-.03(1)
3. The VOC content by weight of each VOC containing material used shall be determined using EPA Test Method 24, as defined in 40 CFR 60, Appendix A. Vendor data of chemical content is an appropriate substitute.	ADEM Admin. Code r. 335-3-10-.03(1)

Yarn Coating Line 47 with Wet Scrubber and ESP Provisos

Federally Enforceable Provisos	Regulations
<i>Emission Monitoring</i>	
5. Visible emissions shall be monitored on a weekly basis by someone familiar with Method 9 of 40 CFR 60 Appendix A. If visible emissions greater than 20% opacity are observed corrective action shall be taken within 24 hours and an additional observation shall be made.	ADEM Admin. Code r. 335-3-16-.05
6. The ESP operating status shall be monitored on a daily basis and the percentage of working cells determined. If greater than 20% of the cells are not working or if 2 or more cells horizontally are not working repairs shall be immediately made.	ADEM Admin. Code r. 335-3-16-.05
<i>Recordkeeping and Reporting Requirements</i>	
1. Records shall be kept of all visible emission observations readings required under Emission Monitoring of this section and of any corrective action taken. These records shall be kept in a form suitable for inspection for a period of at least five (5) years.	ADEM Admin. Code r. 335-3-16-.05
2. 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 air permit. These records shall contain the following information:	
(a) The type, quantity in gallons, and weight in pounds of each VOC or HAP containing material used during each calendar month.	
(b) The percent by weight of VOCs, water, solids, HAPs, and exempt VOC compounds content of each VOC containing material used each calendar month.	
(c) The percent by volume of VOCs, water, solids, HAPs, and exempt VOC compounds content of each VOC containing material used each calendar month.	
(d) Compliance with VOC and HAP limits shall be based upon monthly material use inventories. Emissions may be adjusted for VOC and VHAP content of material removed from the plant as waste or returns if the record keeping and details surrounding the materials are approved in advance.	
(e) 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.	

Yarn Coating Line 47 with Wet Scrubber and ESP Provisos

Federally Enforceable Provisos	Regulations
<i>Recordkeeping and Reporting Requirements</i>	
<p>(f) The amount of VOCs emitted per calendar month from the coating and cleaning operations in units of pounds and tons.</p> <p>(g) The rolling 12-month total VOCs emitted from the coating and cleaning operations in units of pounds and tons.</p>	
<p>3. This source is subject to the applicable recordkeeping and reporting requirements of 40 CFR Part 60 Subpart VVV - Standards of Performance for Polymeric Coating of Supporting Substrates Facilities.</p>	<p>ADEM Admin. Code r. 335-3-10-.02(74)</p>
<p>4. Records shall be kept of all ESP inspections required under Emission Monitoring of this section and of any corrective action taken.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p>5. A report summarizing the information in provisos 1 of this section shall be submitted each calendar quarter by the 15th day of January, April, July, and October, in a format approved by the Department in advance.</p>	<p>ADEM Admin. Code r. 335-3-1-.04</p>

40 Heat Set Looms

Informational Summary

Description: 40 Heat Set Looms Controlled with Electrostatic Precipitators

Emission Unit: 004

Operating Schedule: 8,760 hours/year

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

40 CFR Part 60, Subpart VVV

Pollutants Emitted

Emission Point No.	Point Description	Pollutant	Emission Limit	Standard
004	40 Heat Set Looms Controlled with Electrostatic Precipitators	PM	Opacity is limited to 20% in any 6 minute period	335-3-4-.01

40 Heat Set Looms Provisos

Federally Enforceable Provisos	Regulations
<i>Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, Visible Emissions.	ADEM Admin. Code r. 335-3-4-.01
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04, Process Industries - General	ADEM Admin. Code r. 335-3-4-.04(1)
4. This source is subject to the applicable requirements of 40 CFR Part 60, Subpart VVV - Standards of Performance for Polymeric Coating of Supporting Substrates Facilities.	ADEM Admin. Code r. 335-3-10-.02(74)
<i>Emission Standards</i>	
1. This source 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 opacity not to exceed forty percent (40%).	ADEM Admin. Code r. 335-3-4-.01
2. The particulate matter (PM) emission rate from the yarn coating line 27 shall not exceed the amount determined by the equation: $E = 3.59 (P)^{0.62}$ Where: E = Emissions in pound per hour P = Process weight per hour in tons per hour	ADEM Admin. Code r. 335-3-4-.04(1)
<i>Compliance and Performance Test Methods and Procedures</i>	
1. Compliance with the opacity requirement shall be determined by EPA Reference Method 9 in Appendix A of 40 CFR 60.	ADEM Admin. Code r. 335-3-10-.03(1)
2. Compliance with the particulate matter (PM) emission rates shall be determined by EPA Reference Method 5 of 40 CFR 60 Appendix A.	335-3-10-.03(1)
<i>Emission Monitoring</i>	
1. Visible emissions shall be monitored on a weekly basis by someone familiar with Method 9 of 40 CFR 60 Appendix A. If visible emissions greater than 20% opacity are observed corrective action shall be taken within 24 hours and an additional observation shall be made.	ADEM Admin. Code r. 335-3-16-.05
2. The ESP operating status shall be monitored on a daily basis and the percentage of working cells determined. If greater than 20% of the cells are not working or if 2 or more cells horizontally are not working repairs shall be immediately made.	ADEM Admin. Code r. 335-3-16-.05

40 Heat Set Looms Provisos

Federally Enforceable Provisos

Regulations

Recordkeeping and Reporting Requirements

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| 1. Records shall be kept of all visible emission observations readings required under Emission Monitoring of this section and of any corrective action taken. These records shall be kept in a form suitable for inspection for a period of at least five (5) years. | ADEM Admin. Code r.
335-3-14-.04 |
| 2. This source is subject to the applicable recordkeeping and reporting requirements of 40 CFR Part 60 Subpart VVV - Standards of Performance for Polymeric Coating of Supporting Substrates Facilities. | ADEM Admin. Code r.
335-3-10-.02(74) |
| 3. Records shall be kept of all ESP inspections required under Emission Monitoring of this section and of any corrective action taken. | ADEM Admin. Code r.
335-3-16-.05 |