



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

FXI Inc
154 Lipford Road
Verona, MS
Lee County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. set., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: JAN 19 2016

Expires: DEC 31 2020

Permit No. 1540-00022

Agency Interest # 3492

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Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

FXI Inc
Subject Item Inventory
Permit Number:1540-00022
Activity ID No.: PER20150001

Subject Item Inventory:

ID	Designation	Description
AI3492	3492	Manufactures and fabricates polyurethane foam
AREA3	AA-000	Fifty One (51) Storage Tanks to store non-regulated and regulated process materials.
EQPT1	AA-001	16.74 MMBTU/hr Cleaver Brooks CB400-15ST Natural Gas-Fired Boiler
EQPT2	AA-002	1.26 MMBTU/hr (30 HP) Williams & Davis WD780 Natural Gas-Fired Boiler
AREA1	AA-003	Variable Pressure Foam (VPF) Production Area
EQPT3	AA-004	0.65 MMBTU/hr (255 HP) Emergency Fire Protection Pump
AREA2	AA-005	Parts Cleaning Process Area
AREA4	AA-006	Foam Fabrication Process Area

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

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KEY

WDPT = Withdrawal Point

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AI0000003492 (3492) Manufactures and fabricates polyurethane foam:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter:</p> <p>The maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million Btu per hour (10 MMBtu/hr) heat input shall not exceed 0.6 pounds per millions Btu per hour heat input.</p> <p>AND</p> <p>The maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations equal to or greater than 10 million Btu per hour heat input but less than 10,000 million Btu per hour heat input shall not exceed an emission rate as determined by the relationship $E = 0.8808(I)^{-0.1667}$, where E is the emission rate in pounds per million Btu per hour heat input and I is the heat input in millions of Btu per hour. [11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a)-(b)]</p>
L-2	Opacity	<p>Opacity $\leq 40\%$: (a) No person shall cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (b) and (c).</p> <p>(b) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups per stack in any twenty-four (24) hour period.</p> <p>(c) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour. [11 Miss. Admin. Code Pt. 2, R. 1.3.A(1)-(3)]</p>
L-3		<p>Total combined facility usage of tertiary amine catalysts shall not exceed 595,840 pounds in any consecutive 12-month period. The above usage limitation for tertiary amine catalysts will not include non-VOC containing amine catalysts. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]</p>
L-4		<p>The maximum discharge of sulfur oxides from each fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).]</p>

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AI0000003492 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-5		Facility-Wide Emission Limitations The permittee shall limit volatile organic compound (VOC) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]
L-6		Facility-Wide Emission Limitations The permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.9 tons/year (TPY) of any single HAP and no more than 24.9 TPY of total combined HAPs as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		Monitoring Requirements For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC or HAP containing material used: (a) The quantity used (gallons); (b) The percentage of VOCs by weight; (c) The percentage of each individual HAP and total HAP by weight; (d) The density (lbs/gal); The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24, 40 CFR 60, Appendix A and/or EPA Test Method 311, 40 CFR 63, Appendix A, and/or an alternate EPA approved test method. [11 Miss. Admin. Code Pt. 2, R.2.2.B(11).]

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Record-Keeping Requirements:

Condition No.	Condition
R-1	For each month and consecutive 12-month period, the permittee shall maintain sufficient records for Emission Point AA-003 documenting: (a) total pounds of each tertiary amine or other VOC or HAP containing catalyst material used, (b) the VOC content of the tertiary amine(s) or other VOC or HAP containing catalyst material used, and (c) the total VOC emission rate, the emission rate of each individual HAP, and total HAP emission rate in tons per year. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
R-2	<p>Recordkeeping Requirements</p> <p>For the entire facility, the permittee shall maintain sufficient records to document:</p> <p>(a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material and the total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used on a monthly basis and in each consecutive 12-month period;</p> <p>(b) The VOC and HAP content(s) of each coating, adhesive, solvent or other VOC or HAP containing material used. A description of the method used to determine the VOC and HAP content shall accompany this data;</p> <p>(c) The density of each coating, adhesive, solvent or other VOC or HAP containing material used;</p> <p>(d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons/yr for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]</p>
R-3	<p>Recordkeeping Requirements</p> <p>The permittee shall maintain copies of all records and reports on site for at least five (5) years and shall make them available upon request by Mississippi Department of Environmental Quality (MDEQ) personnel. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]

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Submittal/Action Requirements:

Condition No.	Condition
S-2	Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually, by the 31st of January for preceding calendar year. This report shall address any required monitoring specified in the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(11).]
S-3	For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following: (a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material used; (b) The VOC and HAP content(s) of each coating, adhesive, solvent, or other VOC or HAP containing material used; (c) The total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used in each consecutive 12-month period on a rolling basis; (d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per month and TPY for each consecutive 12-month period on a rolling basis; (e) The total pounds of each tertiary amine catalyst material used during a single month and for each consecutive 12-month period on a rolling basis, the VOC and HAP content of each tertiary amine catalyst material used, the total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per month and TPY for each consecutive 12-month period on a rolling basis from throughputs of such tertiary amine catalyst material(s) used, and a description of the method(s) used to determine the VOC and the HAP data and the emission rate, and a list of all catalyst material(s) including types of tertiary amine(s) used during that time at the facility. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]

Narrative Requirements:

Condition No.	Condition
T-1	The facility is subject to and shall comply with all applicable requirements contained in the National Emission Standards for Hazardous Air Pollutants from Flexible Polyurethane Foam Production and Fabrication Area Sources, 40 CFR Part 63, Subpart OOOOOO. The affected source under this standard is the collection of all equipment and activities necessary to produce slabstock flexible polyurethane foam and is the collection of all equipment and activities found at a flexible polyurethane foam fabrication facility where adhesives are used to bond foam to foam or other substrate. [40 CFR 63.11414]
T-2	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]

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Narrative Requirements:

Condition No.	Condition
T-3	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.5.A.]
T-4	General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-5	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in 11 Miss. Admin. Code Pt.2, R. 1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", [11 Miss. Admin.Code Pt. 2, R.1.10.]
T-6	General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [11 Miss. Admin.Code Pt. 2, R.2.10.]
T-7	General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials: (a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and (b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]
T-8	General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to: (a) Violation of any terms or conditions of this permit (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or (c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [11 Miss. Admin.Code Pt. 2, R. 2.2.C.]
T-9	General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. 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 does not stay any condition of the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]

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AI0000003492 (continued):

Narrative Requirements:

Condition No.	Condition
T-10	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39]
T-11	General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(c).]
T-12	General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(7).]
T-13	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.]
T-14	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).]
T-15	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D [11 Miss. Admin.Code Pt. 2, R. 2.4.D.]
T-16	General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(7).]
T-17	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(d).]

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Narrative Requirements:

Condition No.	Condition
T-18	<p>General Condition: This permit does not authorize a modification as defined in 11 Miss. Admin. Code Pt. 2, Ch. 2 "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:</p> <ul style="list-style-type: none">(a) routine maintenance, repair, and replacement;(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;(d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or(f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).]
T-19	<p>General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]</p>
T-20	<p>General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin.Code Pt. 2, R.2.9.]</p>
T-21	<p>General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]</p>

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Narrative Requirements:

Condition No.	Condition
T-22	<p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]</p>
T-23	<p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>

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Narrative Requirements:

Condition No.	Condition
T-24	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-25	<p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-26	<p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.8.]</p>

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EQPT0000000001 (AA-001) 16.74 MMBTU/hr Cleaver Brooks CB400-15ST Natural Gas-Fired Boiler:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		This emission unit shall only burn natural gas. [Other]

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall record and maintain records of the amount of natural gas combusted during each calendar month. [40 CFR 60.48c(g)(2)]

Narrative Requirements:

Condition No.	Condition
T-1	The permittee is subject to and shall comply with the applicable requirements of the New Source Performance Standards specified in 40 CFR Part 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units) and in 40 CFR Part 60, Subpart A (General Provisions). [40 CFR 60.40c(a)]

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AREA0000000001 (AA-003) Variable Pressure Foam (VPF) Production Area:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Methylene Chloride	Methylene Chloride : The permittee shall not be allowed using material containing methylene chloride for any purpose in any slabstock flexible foam production process. [40 CFR 63.11416(b)(2)]

Record-Keeping Requirements:

Methylene Chloride :

Condition No.	Condition
R-1	Methylene Chloride : For Emission Point AA-003, the permittee may demonstrate compliance with the requirements of 40 CFR 63.11416(b)(2) using adhesive usage records, Material Safety Data Sheets, and engineering calculations. [40 CFR 63.11416(f)]

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EQPT0000000003 (AA-004) 0.65 MMBTU/hr (255 HP) Emergency Fire Protection Pump :

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		<p>For Emission Point AA-004, the permittee must comply with the following except during periods of startup:</p> <p>(a) Change oil and filter every 500 hours of operation or annually, whichever comes first; (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</p> <p>The permittee may utilize an oil analysis program in order to extend the specified oil change requirement in (a) above, provided the analysis analyzes the parameters identified in 40 CFR 63.6625(i). [40 CFR 63.6603(a), 40 CFR 63_Subpart ZZZZ.Table 2d]</p>
L-2		<p>During periods of startup, the permittee shall minimize the engines time spent at idle and minimize the engines startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6625(h)]</p>

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee shall install a non-resettable hour meters on this engine if they are not already installed. [40 CFR 63.6625(f)]</p>
M-2		<p>The permittee must operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e)]</p>

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EQPT0000000003 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-3		<p>The permittee shall operate the engine according to the following:</p> <p>(a) Any operation other than emergency operation, maintenance and testing and operation in non-emergency situations for 50 hours per year is prohibited;</p> <p>(b) There is no operating limit on the use of the engine during an emergency situation;</p> <p>(c) The engine may be operated for the purpose of maintenance checks and readiness testing in accordance with vendor, manufacturer, State or Federal recommendations. Such testing is limited to 100 hours per year.</p> <p>(d) The engine may be operated up to 50 hours per year in non-emergency situations; however, those 50 hours count towards the 100 hour limit in (c) above. The 50 hours per year for non-emergency operation cannot be used to cover the power usage provisions outlined in 63.6640(f)(4). [40 CFR 63.6640(f)((1)-(4))]</p>

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall maintain the following records and keep each readily accessible for at least five years after the date of each occurrence:</p> <p>(a) All maintenance records that demonstrate the engine was operated and maintained in accordance with the maintenance plan;</p> <p>(b) The hours of operation of the engine recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the event as an emergency, and how many hours are non-emergency operations. [40 CFR 63.6655(e,f)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

FXI Inc
Facility Requirements
Permit Number:1540-00022
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EQPT0000000003 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	For Emission Point AA-004, the permittee shall report each instance in which the work practice requirements listed in Condition L-1 on Page 15 of 17 of this Permit were not met. These instances are deviations and must be reported within five (5) business days in accordance with §63.6650. If the work practices were not performed on the required schedule because it posed an unacceptable risk under Federal, State, or local law at the time of the required scheduled maintenance, the report must include the Federal, State, or local law under which the risk was deemed unacceptable. [40 CFR 63.6640(b), 40 CFR 63_Subpart ZZZZ.Table 2d, Footnote 2]

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-004, the permittee is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63, Subpart ZZZZ). Emission Point AA-004 is an existing emergency stationary compression ignition RICE unit at an area source under NESHAP Subpart ZZZZ and as such must meet the applicable requirements of this part. [40 CFR 63.6585, 40 CFR 63.6590(a)(1)iii]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

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AREA0000000004 (AA-006) Foam Fabrication Process Area:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Methylene Chloride	Methylene Chloride : For Emission Point AA-006, the permittee must not use any adhesive containing methylene chloride in a flexible polyurethane foam fabrication process. [40 CFR 63.11416(e)]

Record-Keeping Requirements:

Methylene Chloride :

Condition No.	Condition
R-1	Methylene Chloride : For Emission Point AA-006, the permittee may demonstrate compliance with the requirements of 40 CFR 63.11416(e) using adhesive usage records, Material Safety Data Sheets, and engineering calculations. [40 CFR 63.11416(f)]

GENERAL INFORMATION

FXI Inc
154 Lipford Road
Verona, MS
Lee County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
3492	Foamex International, Inc.	Historic Site Name	6/1/1994	6/29/2009
2808100022	FXI, Inc.	Air-AIRS AFS	10/12/2000	
MSD000648329	Foamex LP, Verona Lipford Road	Hazardous Waste-EPA ID	2/16/1995	10/28/2009
MSR110126	Foamex LP, Verona Lipford Road	GP-Sara Title III	6/1/1994	11/3/2000
MSR110126	Foamex LP, Verona Lipford Road	GP-Baseline	11/3/2000	1/10/2006
MSR110126	Foamex LP, Verona Lipford Road	GP-Baseline	1/10/2006	7/10/2009
154000022	Foamex LP	Air-State Operating	5/25/1993	6/1/1998
3492	FXI, Inc.	Official Site Name	2/24/2012	
MSR110126	Foamex Innovations, Inc.	GP-Baseline	7/10/2009	11/9/2010
3492 001	Foamex LP, Crain Industries	GARD	11/27/1990	
3492 001	Sheller Globe, Verona	GARD	7/15/1982	
MSD000648329	Foamex Innovations, Inc.	Hazardous Waste-EPA ID	10/28/2009	4/5/2012
MSR110126	Foamex Innovations, Inc.	GP-Baseline	11/9/2010	3/9/2012
154000022	Foamex Innovations Inc	Air-Synthetic Minor Operating	1/19/2011	3/12/2012
3492	Foamex Innovations, Inc.	Historic Site Name	6/30/2009	2/24/2012
154000022	FXI Inc	Air-Synthetic Minor Operating	3/12/2012	12/31/2015
MSR110126	FXI, Inc.	GP-Baseline	3/9/2012	9/28/2015
MSD000648329	FXI Inc.	Hazardous Waste-EPA ID	4/5/2012	
154000022	FXI Inc	Air-Synthetic Minor Operating	1/19/2016	12/31/2020

Basin: Tombigbee River Basin

GENERAL INFORMATION

Location Description: Plant Entrance