



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)
11634 Highway 80 West
Forest, MS
Scott 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. seq., 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: DEC 10 2014

Expires: NOV 30 2019

Permit No. 2420-00006

Agency Interest # 8976

Table of Contents

Subject Item Inventory.....i

Facility Requirements.....1

General Information.....A-1

Other Relevant Documents:

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Subject Item Inventory

Permit Number:2420-00006

Activity ID No.: PER20140001

Subject Item Inventory:

ID	Designation	Description
EQPT21	AA-001	10,000 gallon diesel fuel tank
EQPT9	AA-007	60.0 MMBTU/hr natural gas-fired rotary feather meal dryer equipped with a high-efficiency cyclone, a gravity tower scrubber, and a packed tower scrubber
EQPT10	AA-013	60.0 MMBTU/hr natural gas-fired feather meal dryer equipped with a high-efficiency cyclone, a gravity tower scrubber, and a packed tower scrubber
EQPT22	AA-014	60.4 MMBTU/hr natural gas-fired boiler
EQPT11	AA-015	62.9 MMBTU/hr natural gas and poultry fat-fired boiler equipped with low-NOx burners
EQPT12	AA-016	62.1 MMBTU/hr natural gas--fired boiler equipped with low-NOx burners
EQPT13	AA-017	60.5 MMBTU/hr natural gas--fired boiler equipped with low-NOx burners
EQPT14	AA-018	60.5 MMBTU/hr natural gas--fired boiler equipped with low-NOx burners
EQPT15	AA-019	60.5 MMBTU/hr natural gas and poultry fat--fired boiler equipped with low-NOx burners
EQPT16	AA-020	Emission control system for feather processing, feed grade, and meat processing, which includes a 14,000 cfm Single Stage Venturi Scrubber; a 10,000 cfm Venturi Scrubber; and a 10,000 cfm Packed Bed Scrubber; followed by a 100,000 Packed Bed Scrubber
EQPT17	AA-021	Emission control system for pet food and feed grade poultry meal processing, and meat by-products processing areas which includes a 16,000 cfm two stage scrubber and a 100,000 cfm packed tower scrubber
EQPT18	AA-022	Emission control system for pet food and feed grade poultry meal processing, and meat by-products processing areas which includes a 24,000 cfm Two Stage Scrubber and a 75,000 cfm Packed Bed Scrubber
EQPT19	AA-023	Emission control system for pet food and feed grade poultry meal processing area which includes a 14,000 cfm single stage venturi scrubber and a 75,000 cfm packed bed scrubber
CONT3	AA-024	Scrubber for Odor Control in Feather Processing Area which includes a 60,000 cfm Packed Bed Scrubber
EQPT20	AA-025	Meal silos (8 total) loadout with a rated process capacity of 32 tons per hour
CONT2	AA-027	Baghouse serving Bulk Lime Silo at Wastewater Treatment Facility
CONT4	AA-028	Scrubber for Odor Control which includes a 100,000 cfm Packed Bed Scrubber
CONT5	AA-029	Scrubber for Odor Control which includes a 100,000 cfm Packed Bed Scrubber

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Subject Item Inventory

Permit Number:2420-00006

Activity ID No.: PER20140001

ID	Designation	Description
AI8976	8976	Rendering plant (poultry meal, poultry fat, and feather meal)

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 1 of 13

AI0000008976 (8976) Rendering plant (poultry meal, poultry fat, and feather meal):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Dioxide Equivalent (CO ₂ e)	<p>Carbon Dioxide Equivalent (CO₂e):</p> <p>For the Entire Facility, the permittee shall limit emissions of Carbon Dioxide equivalent (CO₂e) to no more than 99,000 tons per year as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-2	Carbon Monoxide	<p>Carbon Monoxide:</p> <p>The permittee shall limit the facility's Carbon Monoxide (CO) 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).]</p>
L-3	Nitrogen oxides	<p>Nitrogen oxides:</p> <p>The permittee shall limit the facility's Nitrogen Oxide (NO_x) 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).]</p>
L-4	Operating plan	<p>Operating plan:</p> <p>At no time shall any of the following areas be operated without the pollution control equipment in service:</p> <ol style="list-style-type: none">1. the feather by-products process dryers;2. the feather by-products processing operation;3. the feed grade meat receiving and processing areas;4. the pet food grade meat receiving and processing areas;5. the meat by-products processing operation;6. the feather processing area. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 2 of 13

AI0000008976 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-5	Operating plan	<p>Operating plan:</p> <p>For the packed tower scrubbers of Emission Points AA-007, AA-013, AA-020, AA-021, AA-022, AA-023, AA-024, AA-028, and AA-029, the permittee is authorized to use as a scrubbing liquid of React-ox and sulfuric acid. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-6	Operating plan	<p>Operating plan:</p> <p>The permittee shall properly operate all scrubbers where the operating parameters, as indicated in the current monitoring plan, are maintained within their specified ranges. Corrective action shall be made immediately in the event that any operating parameter extends outside the indicated range. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-7	Operating plan	<p>Operating plan:</p> <p>For each individual Emission Point, specifically, AA-007, AA-013, AA-020, AA-021, AA-022, AA-023, and AA-024,</p> <ol style="list-style-type: none">1. Regular maintenance shall be performed each month or more often if necessary to maintain proper operation of the pollution control equipment.2. Maintenance and inspection of all scrubbers shall be implemented as indicated in the monitoring plan submitted by the permittee to the Office of Pollution Control.3. The permittee shall monitor at all times, the operational parameters indicated in the current monitoring plan.4. The permittee shall maintain on hand at all times sufficient equipment as is necessary to repair and/or overhaul the pollution control equipment. In the event of a failure of the pollution control equipment, the permittee shall cease operations until such time as repairs are made and the proper efficiency of the pollution control equipment is restored. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 3 of 13

AI0000008976 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-8	Operating plan	<p>Operating plan:</p> <p>The permittee shall maintain a top cover on all blood tanks to prevent spillage. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-9	Operating plan	<p>Operating plan:</p> <p>The permittee shall maintain plant grounds to minimize odor emissions from the unloading areas, access roads, drains, etc. Any and all spillages of poultry offal shall be cleaned up within one (1) hour of the occurrence, and deodorizing agents shall be applied to the area. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-10	Fuel Combusted	<p>Fuel Combusted:</p> <p>For Emission Points AA-007, AA-013, AA-014, AA-016, AA-017, AA-018, fuel other than natural gas is prohibited. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-11	Fuel Combusted	<p>Fuel Combusted:</p> <p>For Emission Points AA-015 and AA-019, fuel other than natural gas and poultry fat is prohibited. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-12		<p>The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, R. 1.3.8.B.]</p>
L-13		<p>The maximum permissible emission of ash and/or particulate matter from each fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [11 Miss. admin. Code Pt. 2, R. 1.3.D(1)(a).]</p>
L-14		<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>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 4 of 13

AI0000008976 (continued):

Limitation Requirements:

Condition No.	Parameter	Condition
L-15		Emission Points AA-028 and AA-029 shall operate at all times when reasonably possible. These emission points shall be operated in accordance with the manufacture's design and specifications. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
L-16		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)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Carbon Dioxide Equivalent (CO ₂ e)	<p>Carbon Dioxide Equivalent (CO₂e):</p> <p>For the Entire Facility, the permittee shall calculate and maintain records demonstrating the CO₂e emission rate for each consecutive 12-month period utilizing data obtained from Purchasing, Processing, Production, Fuel Usage, and any other data necessary to determine the Facility Wide CO₂e Emission Rate. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
M-2	Stack emissions	<p>Stack emissions:</p> <p>The permittee shall demonstrate compliance with emission limitations for Emission Point AA-015 (62.9 MMBTU/hr Natural Gas and Poultry Fat fired Boiler equipped with Low-NOX burners) when burning poultry fat by stack testing in accordance with EPA Reference Methods 1-5, 7, and 10. Stack testing shall be performed during periods when the boiler is burning poultry fat and the process area is being operated at or near maximum capacity. Stack testing shall be performed at least 30 days prior to using poultry fat as a fuel source. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(12).]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 5 of 13

AI0000008976 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-3	Emissions	<p>Emissions:</p> <p>For the entire facility, the permittee shall calculate and record a rolling consecutive 12-month total of Carbon Monoxide (CO) emissions and Nitrogen Oxide (NOx) emissions. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]</p>
M-4	Fuel Combusted	<p>Fuel Combusted:</p> <p>For each individual Emission Point, specifically, AA-014, AA-015 AA-016, AA-017, AA-018, AA-019, the permittee shall record and maintain records of the amount of fuel combusted during each month. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
M-5		<p>For Emission Points AA-028 and AA-029, the permittee shall record and maintain records that the emission points have been operating in accordance with the manufacture's design and specifications. The permittee shall also document when either AA-028 or AA-029 is non-operational. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 6 of 13

AI0000008976 (continued):

Record-Keeping Requirements:

General Monitoring, Recordkeeping & Reporting Requirement:

Condition No.	Condition
R-1	<p>General Monitoring, Recordkeeping & Reporting Requirement:</p> <p>For each individual Emission Point, specifically, AA-007, AA-013, AA-020, AA-021, AA-022, AA-023, AA-024, AA-028, and AA-029, the permittee shall maintain the following:</p> <ol style="list-style-type: none">1. Records as necessary to document compliance with the operating monitoring requirements.2. Records of all monitoring data.3. Records of maintenance must be readily available upon request. The permittee shall maintain a separate log of scrubber malfunctions and/or downtime, including the date, time and duration; reason for downtime, and corrective and preventive action(s) taken. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

Fuel Combusted:

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

Condition No.	Condition
R-3	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.]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 7 of 13

AI0000008976 (continued):

Submittal/Action Requirements:

Carbon Dioxide Equivalent (CO₂e):

Condition No.	Condition
S-1	<p>Carbon Dioxide Equivalent (CO₂e):</p> <p>For the Entire Facility, the permittee shall submit an annual record providing the CO₂e emission rate for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>

Stack emissions:

Condition No.	Condition
S-2	<p>Stack emissions:</p> <p>The permittee shall submit a stack testing plan for Emission Point AA 015 (62.9 MMBTU/hr Natural Gas and Poultry Fat fired Boiler equipped with Low-NOX burners) to the Environmental Compliance and Enforcement Division (ECED) sixty days prior to any stack testing to ensure that all test methods, protocol, and procedures, are acceptable to the Office of Pollution Control. Also, ECED must be notified ten days prior to the scheduled test day for the opportunity to observe the test. [11 Miss. Admin. Code Pt. 2, R. 2.6.B(5).]</p>
S-3	<p>Stack emissions:</p> <p>The permittee shall submit the results of the required stack test for Emission Point AA-015 (62.9 MMBTU/hr Natural Gas and Poultry Fat fired Boiler equipped with Low-NOX burners) within 30-days after the completion of stack testing to the Department of Environmental Quality. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 8 of 13

AI0000008976 (continued):

Submittal/Action Requirements:

General Monitoring, Recordkeeping & Reporting Requirement:

Condition No.	Condition
S-4	<p>General Monitoring, Recordkeeping & Reporting Requirement:</p> <p>The facility shall submit an annual report of the monitoring results for the entire facility of the rolling consecutive 12-month totals of Carbon Monoxide (CO) emissions and Nitrogen Oxide (NOx) emissions. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]</p>
S-5	For Emission Points AA-028 and AA-029, the permittee shall submit an annual record of the requirements found in Condition M-5 of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
S-6	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).]
S-7	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).]

Narrative Requirements:

Condition No.	Condition
T-1	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-2	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.]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 9 of 13

AI0000008976 (continued):

Narrative Requirements:

Condition No.	Condition
T-3	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-4	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-5	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-6	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-7	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-8	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).]
T-9	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]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 10 of 13

AI0000008976 (continued):

Narrative Requirements:

Condition No.	Condition
T-10	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-11	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-12	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-13	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).]
T-14	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-15	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-16	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).]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 11 of 13

AI0000008976 (continued):

Narrative Requirements:

Condition No.	Condition
T-17	<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-18	<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-19	<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>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 12 of 13

AI0000008976 (continued):

Narrative Requirements:

Condition No.	Condition
T-20	<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-21	<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>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)

Facility Requirements

Permit Number:2420-00006

Activity ID No.: PER20140001

Page 13 of 13

AI0000008976 (continued):

Narrative Requirements:

Condition No.	Condition
T-22	<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-23	<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-24	<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>

GENERAL INFORMATION

Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)
11634 Highway 80 West
Forest, MS
Scott County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
8976	Tyson Foods, Inc.	Historic Site Name	1/21/2009	2/10/2012
2812300006	Forest MS Central Industries, Inc., dba RVAF	Air-AIRS AFS	10/12/2000	
242000006	Central Industries, Inc.	Air-Synthetic Minor Operating	9/28/1993	10/1/1998
242000006	Central Industries, Inc.	Air-Construction	6/11/1997	
242000006	Central Industries, Inc.	Air-Synthetic Minor Operating	6/11/1997	10/1/1998
242000006	Central Industries, Inc.	Air-Construction	10/1/1999	
242000006	Central Industries, Inc.	Air-Synthetic Minor Operating	12/22/1999	11/30/2004
MSR001434	Central Industries, Inc.	GP-Baseline	7/12/2000	11/27/2000
MSR100294	Central Industries, Inc.	GP-Construction	4/6/1994	10/25/1995
MS0046931	Central Industries, Inc.	Water - NPDES	7/15/1997	7/7/2002
MSR001434	Central Industries, Inc.	GP-Baseline	11/27/2000	12/12/2005
MSR102267	Central Industries, Inc.	GP-Construction	9/20/2002	3/27/2005
MS0046931	Central Industries, Inc.	Water - NPDES	6/4/2003	5/31/2008
242000006	Central Industries, Inc.	Air-Synthetic Minor Operating	12/22/2004	2/6/2009
WTH430	Central Industries	SolidWaste - Waste Tire Hauler ID	7/1/2000	7/1/2001
MSR001434	Central Industries, Inc.	GP-Baseline	12/12/2005	2/4/2009
242000006	Central Industries, Inc.	Air-Construction	4/3/2006	
8976	Central Industries, Inc.	Historic Site Name	9/28/1993	1/21/2009
242000006	Tyson Foods Inc, River Valley Animal Foods, Forest	Air-Synthetic Minor Operating	2/6/2009	11/30/2009
MSR001434	Tyson Foods Inc, River Valley Animal Foods, Forest	GP-Baseline	2/4/2009	11/8/2010
242000006	Tyson Foods Inc, River Valley Animal Foods, Forest	Air-Synthetic Minor Operating	12/2/2009	5/11/2012
MS0046931	Tyson Foods Inc, River Valley Animal Foods, Forest	Water - NPDES	1/25/2010	12/10/2014
MSR001434	Tyson Foods Inc, River Valley Animal Foods, Forest	GP-Baseline	11/8/2010	9/28/2015

GENERAL INFORMATION

ID	Alternate/Historic Name	User Group	Start Date	End Date
8976	Forest MS Central Industries, Inc., dba River Valley Animal Foods	Historic Site Name	2/10/2012	5/29/2014
242000006	Forest MS Central Industries, Inc dba River Valley Animal Foods	Air-Synthetic Minor Operating	5/11/2012	11/30/2014
8976	Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)	Official Site Name	5/29/2014	
8976	Tyson Foods, Inc., dba River Valley Animal Foods (RVAF)	Official Site Name	5/29/2014	
MS0046931	Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)	Water - NPDES	12/10/2014	11/30/2019
242000006	Tyson Farms, Inc., dba River Valley Animal Foods (RVAF)	Air-Synthetic Minor Operating	12/10/2014	11/30/2019

Basin: Pearl River Basin

Location Description:PG- Plant Entrance (General). Data collected by Mike Hardy on 11/1/2005. Elevation 517 feet. At gate just outside.