



State of Mississippi

AIR POLLUTION CONTROL PERMIT

To Construct Air Emissions Equipment

THIS CERTIFIES

Koch Farms of Mississippi LLC

278 Herring Road

Morton, MS

Scott County



has been granted permission to construct air emissions equipment to comply with the emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: JUN 08 2010

Expires:

Permit No. 2420-00051

Agency Interest # 24305

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To Construct Air Emissions Equipment

Koch Farms of Mississippi LLC

Subject Item Inventory

Permit Number:2420-00051

Activity ID No.: PER20100001

Subject Item Inventory:

ID	Designation	Description
AI24305	24305	Animal Feed Mill
AREA1	AF-001	Phosphate Receiving Fugitive Emissions
AREA2	AF-002	Limestone Receiving Fugitive Emissions
AREA3	AF-003	Salt Receiving Fugitive Emissions
AREA4	AF-004	Finished Feed Loadout A Fugitive Emissions
AREA5	AF-005	Finished Feed Loadout B Fugitive Emissions
AREA6	AF-006	Methionine Receiving Fugitive Emissions (Controlled via Baghouse)
CONT1	AD-001	Cyclone Meal Cleaner Vent ((AA-458) Controlled via Baghouse)
EQPT1	AA-001	20.925 MMBTU/hr Natural Gas and No. 2 Fuel Oil Fired Boiler (FB-001)
EQPT2	AA-002	20.925 MMBTU/hr Natural Gas and No. 2 Fuel Oil Fired Boiler (FB-002)
EQPT3	AB-001	Truck Receiving ((AA-107) Controlled via Baghouse)
EQPT4	AB-002	Rail Line #1 Receiving ((AA-140) Controlled via Baghouse)
EQPT5	AB-003	Rail Line #2 Receiving ((AA-144) Controlled via Baghouse)
EQPT6	AC-001	Grain Storage Silo Venting System ((AA-126) Controlled via Baghouse)
EQPT7	AC-002	Soy Meal Storage Silo Venting System ((AA-127) Controlled via Baghouse)
EQPT8	AC-003	Mill Ingredient Transfer Conveyor Venting System ((AA-131) Controlled via Baghouse)
EQPT9	AC-004	Soy Meal Transfer Conveyor Venting System ((AA-209) Controlled via Baghouse)
EQPT10	AC-005	Hammermill #1 ((AA-327) Controlled via Baghouse)
EQPT11	AC-006	Hammermill #2 ((AA-328) Controlled via Baghouse)
EQPT12	AC-007	Hammermill #3 ((AA-329) Controlled via Baghouse)
EQPT13	AC-008	Ground Grain Transfer Leg Venting System ((AA-339) Controlled via Baghouse)
EQPT14	AE-001	Pellet Mill #1 ((AA-519) Controlled via Cyclone)

*** Official MDEQ Permit - Version 1.1 ***

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Subject Item Inventory

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ID	Designation	Description
EQPT15	AE-002	Pellet Mill #2 ((AA-551) Controlled via Cyclone)
EQPT16	AE-003	Pellet Mill #3 ((AA-584) Controlled via Cyclone)
EQPT17	AC-009	Pellet Crumbles Transfer Leg Venting System #1 ((AA-599A) Controlled via Baghouse)
EQPT18	AC-010	Pellet Crumbles Transfer Leg Venting System #2 ((AA-599B) Controlled via Baghouse)
EQPT19	AG-001	20,000 Gallon Diesel Fuel Storage Tank (AA-101)
EQPT20	AG-002	10,000 Gallon Diesel Fuel Storage Tank (AA-102)

Subject Item Groups:

ID	Description	Components
GRPT5	Boilers	EQPT2 20.925 MMBTU/hr Natural Gas and No. 2 Fuel Oil Fired Boiler (FB-002)
		EQPT1 20.925 MMBTU/hr Natural Gas and No. 2 Fuel Oil Fired Boiler (FB-001)

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

TRMT = Treatment

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AI0000024305 (24305) Animal Feed Mill:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: Except as otherwise specified, no person shall cause, permit, or allow the emission from any manufacturing process, in any one hour from any point source, particulate matter in total quantities in excess of the amount determined by the relationship</p> $E = 4.1 p^{0.67}$ <p>where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour. [APC-S-1 3.6(a)]</p>
L-2	Equipment/operational data	<p>Equipment/operational data: The permittee must operate the control devices (all baghouses and scrubber) at all times when processing. Should any control device become non-operational then the respective process(es) shall be shutdown immediately, but not as to cause damage to equipment or property, or cause further environmental problems. The process(es) shall not startup until such time that the control device becomes operational. [APC-S-2 II.B(10)]</p>
L-3	Particulate Matter (10 microns	<p>Particulate Matter (10 microns or less) \leq 99 tons/yr</p> <p>(The permittee shall limit total combined facility emissions of Particulate Matter of 10 microns or less (PM10) to no more than 99 tons per year (TPY). The TPY emission rate shall be determined for each consecutive 12-month period). [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec.</p>
L-4	Production	<p>Production: Total feed production shall be less than or equal to 5,040 tons per day or approximately 1,839,600 tons per year (for avoidance of PSD for Particulate Matter). [APC-S-2 II.B(10)]</p>
L-5	Sulfur Dioxide	<p>Sulfur Dioxide \leq 99 tons/yr</p> <p>(The permittee shall limit total combined facility emissions of Sulfur Dioxide (SO₂) to no more than 99 tons per year (TPY). The TPY emission rate shall be determined for each consecutive 12-month period). [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec.</p>
L-6	Sulfur content	<p>Fuel Oil Sulfur content \leq 0.5 %</p> <p>(Sulfur content of all fuel oil received by the facility shall be less than or equal to 0.5% by weight). [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec.</p>

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AI0000024305 (continued):

Submittal/Action Requirements:

General Condition:

Condition No.	Condition
S-1	General Condition - The permittee shall submit certification of construction: Due within thirty (30) days of completion of construction or installation of an approved stationary source or prior to startup, whichever is earlier. The notification shall certify that construction or installation was performed in accordance with the approved plans and specifications. In the event there is any change in construction from the previously approved plans and specifications or permit, the permittee shall promptly notify MDEQ in writing. If MDEQ determines the changes are substantial, MDEQ may require the submission of a new application to construct with "as built" plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an "as built" application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law. [APC-S-2 V.D]

Condition No.	Condition
S-2	Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun. [APC-S-2 V.C(2)]
S-3	The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more. [APC-S-2 V.C(3)]

Narrative Requirements:

General Condition:

Condition No.	Condition
T-1	General Condition: The stationary source shall be designed and constructed so as to operate without causing a violation of any Applicable Rules and Regulations or this permit, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries. [APC-S-2 V.A]
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:

General Condition:

Condition No.	Condition
T-3	General Condition: The necessary facilities shall be constructed so that solids removed in the course of control of air emissions may 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]
T-4	General Condition: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed except as provided for in Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [APC-S-1 10]
T-5	General Condition: The permittee shall allow the Mississippi Environmental Quality Commission, the Mississippi Environmental Quality Permit Board, MDEQ staff 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-6	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 good cause shown including, but not limited to, the following: a. Persistent 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 requires either a temporary or permanent reduction or elimination of previously authorized air emissions. [APC-S-2 II.C]
T-7	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]
Condition No.	Condition
T-8	The facility must comply with all applicable conditions and standards of 40 CFR Part 60 Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. See Appendix A of this permit. [40 CFR 60_SUBPART Dc]

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Narrative Requirements:

Condition No.	Condition
T-9	General Condition:This permit is for air pollution control purposes only. [APC-S-2 I.D]
T-10	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 operating without a valid permit pursuant to State Law. [APC-S-2 II.B(5)]
T-11	General Condition: It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits. [APC-S-2 I.D(6)]
T-12	General Condition: The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities. [APC-S-2 II.B(7)]
T-13	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 the 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. [APC-S-2 II.B(15)a]
T-14	General Condition: The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a 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 permit condition. [APC-S-2 II.B(15)b]
T-15	General Condition: The permit does not convey any property rights of any sort, or any exclusive privilege. [APC-S-2 II.B(15)c]
T-16	General Condition: The permittee shall furnish to the DEQ within a reasonable time any information the DEQ 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 the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. [APC-S-2 II.B(15)d]
T-17	General Condition: This permit shall not be transferred except upon approval of the Permit Board. [APC-S-2 XVI.B]

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Narrative Requirements:

Condition No.	Condition
T-18	General Condition: The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the 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. [APC-S-2 I.D(7)]
T-19	General Condition: The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more. [APC-S-2 V.C(1)]
T-20	General Condition: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. [APC-S-2 V.D(3)]
T-21	General Condition: Except as prohibited in APC-S-2, Section V.D.7, after certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by APC-S-2, Section XIII.G. [APC-S-2 V.D(4)]
T-22	General Condition: Except as otherwise specified in APC-S-2, Section V.D.7, the application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing. [APC-S-2 V.D(5)]
T-23	General Condition: Except as otherwise specified in APC-S-2, Section V.D.7, upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate. [APC-S-2 V.D(6)]
T-24	General Condition: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to net out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities. [APC-S-2 V.D(7)]

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AI0000024305 (continued):

Narrative Requirements:

Condition No.	Condition
T-25	<p>General Condition: Regarding compliance testing:</p> <p>(a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.</p> <p>(b) Compliance testing will be performed at the expense of the permittee.</p> <p>(c) Each emission sampling and analysis report shall include but not be limited to the following:</p> <ol style="list-style-type: none">1. detailed description of testing procedures;2. sample calculation(s);3. results; and4. comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit. [APC-S-2 VI.B(3, 4 and 6)]
T-26	<p>General Condition: The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum. [APC-S-2 V.A(4)]</p>

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GRPT0000000005 (Boilers) Boilers:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter: For Emission Points AA-001 and AA-002, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations shall not exceed an emission rate as determined by the relationship</p> $E = 0.8808 * I^{-0.1667}$ <p>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. [APC-S-1 3.4(a)2]</p>
L-2	Opacity	<p>Opacity: For Emission Points AA-001 and AA-002, the permittee shall not 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 percent opacity. Startup operations may produce emissions which exceed 40% opacity for up to fifteen minutes per startup in any one hour and not to exceed three startups per stack in any twenty-four hour period. 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 hour period does not exceed ten minutes per billion BTU gross heating value of fuel in any one hour. [APC-S-1 3.1]</p>
L-3	Sulfur oxides	<p>Sulfur oxides: For Emission Points AA-001 and AA-002, the maximum discharge of sulfur oxides from any 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. [APC-S-1 4.1(a)]</p>

GENERAL INFORMATION

Koch Farms of Mississippi LLC
278 Herring Road
Morton, MS
Scott County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
24305	Koch Farms of Mississippi, LLC	Official Site Name	5/26/2010	
242000051	Koch Farms of Mississippi LLC	Air-Title V Fee Customer	9/25/2006	3/21/2008
2812300051	Koch Farms of Mississippi LLC	Air-AIRS AFS	9/25/2006	
35036	Koch Foods, Inc., Morton Feed Manufacturing Facility	Official Site Name	12/7/2006	12/7/2006
MSR104441	Koch Foods, Inc., Morton Feed Manufacturing Facility	GP-Construction	2/8/2007	5/31/2010
242000051	Koch Foods of Mississippi Inc, Morton Feedmill	Air-Construction	3/21/2008	6/8/2010
242000051	Koch Foods of Mississippi Inc, Morton Feedmill	Air-Synthetic Minor Operating	3/21/2008	2/28/2013
24305	Koch Foods, Inc., Morton Feedmill	No Exposure Certification	8/24/2009	8/23/2014
24305	Koch Foods Inc	Air-Notification	8/24/2009	
24305	Koch Foods of Mississippi, Inc.	Historic Site Name	9/25/2006	5/26/2010
242000051	Koch Farms of Mississippi LLC	Air-Construction	6/8/2010	

Basin: Pearl River Basin

Latitude: 32° 21' 42" 0 tenths

Longitude: 89° 37' 16" 0 tenths

Location Description:

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