



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Farmers Grain Terminal Inc, Greenwood Facility
2000 Garrard Avenue
Greenwood, MS
Leflore 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: DEC 14 2012

Expires: NOV 30 2017

Permit No. 1560-00007

Agency Interest # 11133

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Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Farmers Grain Terminal Inc, Greenwood Facility

Subject Item Inventory

Permit Number:1560-00007

Activity ID No.: PER20110001

Subject Item Inventory:

ID	Designation	Description
AI11133		Grain Terminal
AREA1	AA-001	Grain Receiving via Four Truck Pits
AREA3	AA-002	Internal Grain Handling
AREA5	AA-003	Grain Drying
EQPT2	AA-004	Grain Storage (Bin Vents)
AREA6	AA-005	Grain Loadout via Truck
AREA7	AA-006	Grain Receiving via Rail
AREA8	AA-007	Grain Loadout via Rail
EQPT1	AA-008	22-MMBTU/Hr Natural Gas-Fired Grain Dryer
CONT1	AB-001	Baghouse, Ref. CD1 (Controls 4 Truck Pits)
CONT2	AB-002	Baghouse, Ref. CD2 (Controls Truck Pit(s) Elevator Legs)
CONT3	AB-003	Baghouse, Ref. CD3 (Controls Enclosed Belt Conveyer to Bins)
CONT4	AB-004	Baghouse, Ref. CD4 (Controls Enclosed Gallary Belt in Annex)
CONT5	AB-005	Baghouse, Ref. CD5 (Controls Covered Belt Conveying to Storage)
CONT6	AB-006	Baghouse, Ref. CD6 (Controls Covered Belt Conveying to Storage)

KEY

ACT = Activity

AREA = Area

CONT = Control Device

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

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KEY

IA = Insignificant Activity

RPNT = Release Point

MAFO = Animal Feeding Operation

TRMT = Treatment

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AI0000011133 Grain Terminal:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	<p>Particulate Matter:</p> <p>PM / PM10 / PM2.5:</p> <p>For the entire facility, the permittee shall limit the facility's Particulate Matter (PM / PM10 / PM2.5) emissions to no more than 99.0 tons per year as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]</p>
L-2	Particulate Matter	<p>Particulate Matter:</p> <p>The maximum permissible emission of ash and/or particulate matter from Emission Point AA-008 (Grain Dryer) 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-3	Particulate Matter	<p>Particulate Matter:</p> <p>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>

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Limitation Requirements:

Condition No.	Parameter	Condition
L-4	Opacity	<p>Opacity:</p> <p>(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) & (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. [APC-S-1 3.1]</p>
L-5	Opacity	<p>Opacity:</p> <p>For Emission Points AA-001 (Grain Receiving via Truck), AA-006 (Grain Receiving via Rail), and AA-007 (Grain Loadout via Rail), the permittee shall not exceed an opacity of 5%. [40 CFR 60.302(c)(1)]</p>
L-6	Opacity	<p>Opacity:</p> <p>For Emission Point AA-002 (Internal Grain Handling), the permittee shall not exceed an opacity of 0%. [40 CFR 60.302(c)(2)]</p>
L-7	Opacity	<p>Opacity:</p> <p>For Emission Point AA-005 (Truck Loadout), the permittee shall not exceed an opacity of 10%. [40 CFR 60.302(c)(3)]</p>
L-8	Sulfur Dioxide	<p>Sulfur Dioxide:</p> <p>The maximum discharge of sulfur oxides from Emission Point AA-008 (22- MMBtu/Hr Natural Gas-Fired Grain Dryer) shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [APC-S-1 4.1(a)]</p>

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Limitation Requirements:

Condition No.	Parameter	Condition
L-9		The permittee shall limit total annual grain throughput for the entire facility to no more than 400,000 tons per year (tpy) as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]
L-10		The permittee must operate the control device(s) at all times when processing. Should any control device become non-operational then the respective process shall be shutdown immediately, but not as to cause damage to equipment or property, or cause further environmental problems. The process shall not startup until such time that the control device becomes operational and the proper efficiency of the pollution control equipment is restored. [APC-S-2 II.B(10)]
L-11		The permittee shall maintain an inventory of typical spare parts and equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall maintain sufficient records to document monthly grain receipt in tons per month. [APC-S-2 II.B(10)]
R-2	The permittee shall maintain measuring devices for continuous monitoring and/or measurement of pressure drop across the baghouse emission system. In addition, the permittee shall keep records of weekly pressure drop measurements. [APC-S-2 II.B(10)]

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall submit annual reports detailing the amount of monthly grain receipt on a consecutive 12-month basis. [APC-S-2 II.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. [APC-S-2 II.B(11)]
S-3	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. [APC-S-2 II.B(10)]

Narrative Requirements:

Condition No.	Condition
T-1	The permittee is subject to and shall comply with all applicable provisions of 40 CFR Part 60-Subpart A. General Provisions. [40 CFR 60]
T-2	The permittee is subject to and shall comply with all applicable provisions of 40 CFR Part 60-Subpart DD. Standards of Performance for Grain Elevators. [40 CFR 60.300]
T-3	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-4	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. [APC-S-2 V.A]
T-5	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-6	General Condition: Any diversion from or bypass of collection and control facilities is prohibited 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 Section 10]
T-7	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. [APC-S-2 X]

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Narrative Requirements:

Condition No.	Condition
T-8	<p>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:</p> <p>(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</p> <p>(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]</p>
T-9	<p>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:</p> <p>(a) Violation of any terms or conditions of this permit</p> <p>(b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or</p> <p>(c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [APC-S-2 II.C]</p>
T-10	<p>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. [APC-S-2 II.B(15)b]</p>
T-11	<p>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]</p>
T-12	<p>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. [APC-S-2 II.B(15)c]</p>
T-13	<p>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. [APC-S-2 II.B(7)]</p>

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Narrative Requirements:

Condition No.	Condition
T-14	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [APC-S-2 XVI.B]
T-15	General Condition: This permit is for air pollution control purposes only. [APC-S-2 I.D(1)]
T-16	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in Regulation APC-S-2, Section IV.D. [APC-S-2 IV.D]
T-17	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. [APC-S-2 I.D(7)]
T-18	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. [APC-S-2 II.B(15)d]

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Narrative Requirements:

Condition No.	Condition
T-19	<p>General Condition: This permit does not authorize a modification as defined in APC-S-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" [APC-S-2 I.D(2)]
T-20	<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. [APC-S-2 II.B(15)a]</p>
T-21	<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. [APC-S-2 IX]</p>
T-22	<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. [APC-S-2 II.B(5)]</p>

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Narrative Requirements:

Condition No.	Condition
T-23	<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 [APC-S-2 II.B(10)]</p>
T-24	<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. [APC-S-1 Section 10]</p>

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Narrative Requirements:

Condition No.	Condition
T-25	<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. [APC-S-1 Section 10]</p>
T-26	<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. [APC-S-1 Section 10]</p>
T-27	<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. [APC-S-2 VIII]</p>

GENERAL INFORMATION

Farmers Grain Terminal Inc, Greenwood Facility
2000 Garrard Avenue
Greenwood, MS
Leflore County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
11133	Farmers Grain Terminal, Inc.	Official Site Name	11/20/2006	
2808300007	Farmers Grain Terminal Inc, Greenwood	Air-AIRS AFS	10/12/2000	
156000007	Cooperative Elevator Company of Greenwood	Air-State Operating	9/29/1987	10/1/1990
11133	Cooperative Elevator Company of Greenwood	Historic Site Name	5/21/1981	11/20/2006
156000007	Farmers Grain Terminal Inc, Greenwood Facility	Air-Synthetic Minor Operating	2/26/2007	1/31/2012
156000007	Farmers Grain Terminal Inc, Greenwood Facility	Air-Synthetic Minor Operating	12/14/2012	11/30/2017

Basin: Yazoo River Basin

Location Description: Imported from I-sys