

State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES LDC Commodities River Elevators LLC Hwy 1 and Russel Crutcher Road Rosedale, MS Bolivar 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: NOV 1 5 2013 Permit No. 0240-00097 Expires: 0CT 3 1 2018 Agency Interest # 23521

Table of Contents

Subject Item Inventory	i
Facility Requirements	1
General Information	A-1
Other Relevant Documents:	

LDC Commodities River Elevators LLC Subject Item Inventory Permit Number:0240-00097 Activity ID No.: PER20130002

Subject Item Inventory:

ID	Designation	Description
AI23521		Grain Elevator
CONT1	AA-001	Receiving Dust Control System controlling emissions from grain receiving and grain handling (DF-500)
CONT2	AA-002	Cartridge Filter controlling emissions from grain receiving (DF-510)
EQPT1	AA-003	Tower Dryer
EQPT2	AA-004	Barge Loading Spout
EQPT3	AA-005	Whole Grain Concrete Storage Silo #1
EQPT4	AA-006	Whole Grain Concrete Storage Silo #2
EQPT5	AA-007	Whole Grain Concrete Storage Silo #3
EQPT6	AA-008	Whole Grain Concrete Storage Silo #4
EQPT7	AA-009	Whole Grain Concrete Storage Silo #5
EQPT8	AA-010	40,000 BPH Reclaim Belt (BC-310)
EQPT9	AA-011	40,000 BPH Reclaim Belt (BC-320)
EQPT10	AA-012	30,000 BPH Transfer Belt (BC-140)
EQPT11	AA-013	30,000 BPH Transfer Belt (BC-150)
EQPT12	AA-014	40,000 BPH Transfer Belt (BC-330)
EQPT13	AA-015	10,000 BPH Dry Drag (DC-430)
EQPT14	AA-016	12,000 BPH Wet Drag (DC-400)
EQPT15	AA-017	40,000 BPH Barge Loading Belt (BC-340)
AREA1	AA-018	Truck Loading
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LDC Commodities River Elevators LLC Subject Item Inventory Permit Number:0240-00097 Activity ID No.: PER20130002

ID	Designation	Description
AREA2	AA-019	Truck Unloading

KEY	
ACT = Activity	AI = Agency Interest
AREA = Area	CAFO = Concentrated Animal Feeding Operation
CONT = Control Device	EQPT = Equipment
IA = Insignificant Activity	MAFO = Animal Feeding Operation
PCS = PCS	RPNT = Release Point
TRMT = Treatment	WDPT = Withdrawal Point

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 Grain Elevator:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter:
		The permittee shall limit PM10/PM2.5 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-2	Particulate Matter	Particulate Matter:
		For emission points AA-001 (dust control system) and AA-002 (cartridge filter), the permittee shall not cause to be discharged into the atmosphere any process emission which:
		(1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).
		(2) Exhibits greater than 0 percent opacity. [40 CFR 60.302(b)]
L-3	Opacity	Opacity:
		For emission point AA-003 (tower dryer), on and after the 60th day of achieving the maximum production rate at which the facility will be operated, but no later than 180 days after initial startup, the permittee shall not cause to be discharged into the atmosphere any gases which exhibit greater than 0 percent opacity. [40 CFR 60.302(a)]
L-4	Opacity	Opacity:
		For emission point AA-019 (truck unloading), on and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, the permittee shall not cause to be discharged into the atmosphere any fugitive emission which exhibits greater than 5 percent opacity. [40 CFR 60.302(c)(1)]

Page 1 of 9

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 (continued):

Limitation Requirements:

Condition	Demonstern	
No.	Parameter	Condition
L-5	Opacity	Opacity:
		For emission points AA-005 through AA-016 (grain handling), on and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, the permittee shall not cause to be discharged into the atmosphere any fugitive emission which exhibits greater than 0 percent opacity. [40 CFR 60.302(c)(2)]
L-6	Opacity	Opacity:
		For emission point AA-018 (truck loading), on and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, the permittee shall not cause to be discharged into the atmosphere any fugitive emission which exhibits greater than 10 percent opacity. [40 CFR 60.302(c)(3)]
L-7	Opacity	Opacity:
		For emission points AA-004 and AA-017 (barge loadout), on and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no more than 180 days after initial startup, the permittee shall not cause to be discharged into the atmosphere any fugitive emission which exhibits greater than 20 percent opacity. [40 CFR 60.302(c)(4)]
L-8	Fuel Combusted	Fuel Combusted:
		The permittee shall combust only natural gas in the dryer. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
L-9		The permittee shall limit total annual grain receipt to no more than 684,000 tons per year (tpy) as determined for each rolling, consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

Page 2 of 9

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 (continued):

Monitoring Requirements:

Condition	n	
No.	Parameter	Condition
M-1		For emission points AA-001 (dust control system) and AA-002 (cartridge filter), the permittee shall conduct a performance test as required in 40 CFR 60.8. The permittee shall determine compliance with the particulate matter standards in 40 CFR 60.302 as follows:
		(1) Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters. For method 5, method 17 may be used.
		(2) Method 2 shall be used to determine the ventilation volumetric flow rate. [40 CFR 60.303(b)(1-2), 40 CFR 60.303(c)(1)]
M-2		The permittee shall conduct visual observations for visible emissions from the facility weekly. If any visible emissions are noted, the permittee shall immediately inspect the emission point and determine the cause of the visible emissions and any corrective measures needed to eliminate the visible emissions. The emission point ID, date, time, and any visible emission observed shall be recorded and any corrective measures taken to eliminate any visible emissions shall be noted. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
Record	-Keeping Requirements:	
Condition		
No.	Condition	

R-1 The permittee shall maintain sufficient records to document monthly grain receipt in tons per month. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]

Page 3 of 9

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 (continued):

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).]
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	The permittee shall submit annual reports detailing the amount of monthly grain receipt on a rolling, consecutive 12-month basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
S-4	In accordance with Condition M-1:
	(a)The permittee shall conduct the performance test using EPA Test Methods 1 through 5. For Method 5, Method 17 may be used.
	(b) The permittee shall submit a written test protocol at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the MDEQ. If the permittee is proposing an alternative test method not previously approved by EPA, a cover letter indicating such must be attached and submitted with the test protocol.
	(c) The MDEQ shall be notified ten (10) days prior to the scheduled date(s) so that an observer may be afforded the opportunity to witness the test(s).
	(d) The performance test results shall be submitted to MDEQ within forty-five (45) days following the completion of the test. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
S-5	The permittee shall submit annual reports providing the total facility PM/PM10/PM2.5 emission rate in tons per year during each month and each consecutive 12-month period and a description of the method(s) used to determine the total facility PM/PM10/PM2.5 emission rate. The permittee shall use actual stack test data, if available, and actual production and/or actual operating hours to demonstrate compliance. If stack test data is not available, EPA or industry-approved emission factors may be used. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]

Page 4 of 9

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 (continued):

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.]
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.]

Page 5 of 9

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 (continued):

Narrative Requirements:

Condition No.	Condition
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]
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).]

Page 6 of 9

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 (continued):

Narrative Requirements:

Condition No.	Condition
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).]
T-17	 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 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: (a) routine maintenance, repair, and replacement; (b) use of an alternative fuel or raw material by reason of a notrer 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 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 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; 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; or (ii) the source is approved to use under any permit issued under 40 CFR 51.166; or (f) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition sproved pursu
T-18	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).]
T-19	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.]

Page 7 of 9

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 (continued):

Narrative Requirements:

Condition No.	Condition
T-20	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).]
T-21	 General Condition: Emergencies (a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforseeable 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. (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. (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 any steps taken to mitigate emissions, and corrective actions taken. (d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof. (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).]
T-22	 General Condition: Upsets (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. (b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof. (c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]

Page 8 of 9

LDC Commodities River Elevators LLC Facility Requirements Permit Number:0240-00097 Activity ID No.: PER20130002

AI0000023521 (continued):

Narrative Requirements:

Condition No.	Condition
T-23	 General Condition: Startups and Shutdowns (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. (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. (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.]
T-24	 General Condition: Maintenance (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. (b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof. (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.]
T-25	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.]
T-26	This facility is subject to 40 CFR Part 60 Subpart DD - Standards of Performance for Grain Elevators, and must comply with all applicable conditions and standards listed therein. [40 CFR 60.300]

Page 9 of 9

GENERAL INFORMATION

LDC Commodities River Elevators LLC Hwy 1 and Russel Crutcher Road Rosedale, MS Bolivar County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
23521	LDC Commodities River Elevators LLC	Official Site Name	8/14/2013	
MSR106454	LDC Commodities River Elevators LLC	GP-Construction	9/5/2013	12/31/2015
024000097	LDC Commodities River Elevators LLC	Air-Construction	11/15/2013	
024000097	LDC Commodities River Elevators LLC	Air-Synthetic Minor Operating	11/15/2013	10/31/2018

Basin: Yazoo River Basin

Location Description: