



State of Mississippi



AIR POLLUTION CONTROL PERMIT

Permit To Construct Air Emissions Equipment

THIS CERTIFIES

Texas Eastern Transmission LP, Clinton Compressor Station
1485 Billy Bell Road
Jackson, MS
Hinds 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: OCT 08 2015

Expires:

Permit No. 1080-00209

Agency Interest # 5317

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Other Relevant Documents:

The federal regulations referenced in this permit may be found on-line at <http://ecfr.gpoaccess.gov/> and the State of Mississippi regulations may be found at <http://www.mdeq.state.ms.us/> or a copy may be obtained by contacting the Mississippi Department of Environmental Quality, Environmental Permit Division, Post Office Box 2261, Jackson, Mississippi 39255, phone (601) 961-5171.

The following regulations were referenced in this permit:

- 11 Miss. Admin. Code Pt. 2, Chapter 1
- 11 Miss. Admin. Code Pt. 2, Chapter 2

Permit To Construct Air Emissions Equipment

Texas Eastern Transmission LP, Clinton Compressor Station

Subject Item Inventory

Permit Number:1080-00209

Activity ID No.: PER20140001

Subject Item Inventory:

ID	Designation	Description
AI5317	5317	Natural Gas Transmission
EQPT1	AA-001	7,600 HP General Electric Frame 3 natural gas compressor turbine with SCR (Serial No. 127624, Ref. No. 41901)
EQPT2	AA-002	7,600 HP General Electric Frame 3 natural gas compressor turbine with SCR (Serial No. 127626, Ref. No. 41902)
EQPT3	AA-003	7,600 HP General Electric Frame 3 natural gas compressor turbine with SCR (Serial No. 127703, Ref. No. 41903)
EQPT4	AA-004	7,600 HP General Electric Frame 3 natural gas compressor turbine with SCR (Serial No. 127704, Ref. No. 41904)

Subject Item Groups:

ID	Description	Components
GRPT1	AA-001, AA-002, AA-003, AA-004 7600 HP natural gas turbines with SCR	EQPT1 7,600 HP General Electric Frame 3 natural gas compressor turbine with SCR (Serial No. 127624, Ref. No. 41901)
		EQPT2 7,600 HP General Electric Frame 3 natural gas compressor turbine with SCR (Serial No. 127626, Ref. No. 41902)
		EQPT3 7,600 HP General Electric Frame 3 natural gas compressor turbine with SCR (Serial No. 127703, Ref. No. 41903)
		EQPT4 7,600 HP General Electric Frame 3 natural gas compressor turbine with SCR (Serial No. 127704, Ref. No. 41904)

Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 5317 Natural Gas Transmission	Discharges Into	Bogue Chitto

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

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KEY

RPNT = Release Point

TRMT = Treatment

WDPT = Withdrawal Point

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AI0000005317 (5317) Natural Gas Transmission:

Submittal/Action Requirements:

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. [11 Miss. Admin. Code Pt. 2, R. 2.5.D.]
S-2	Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun. [11 Miss. Admin.Code Pt. 2, R.2.5.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. [11 Miss. Admin.Code Pt. 2, R.2.5.C(4).]

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. [11 Miss. Admin.Code Pt. 2, R.2.5.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]
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]

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AI0000005317 (continued):

Narrative Requirements:

General Condition:

Condition No.	Condition
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 11 Miss. Admin. Code Pt.2, R. 1.10 "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [11 Miss. Admin. Code Pt. 2, R. 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. [11 Miss. Admin.Code Pt. 2, R.2.2.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	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R.2.1.D.]
T-9	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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]

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AI0000005317 (continued):

Narrative Requirements:

Condition No.	Condition
T-10	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. [11 Miss. Admin.Code Pt. 2, R.2.1.D(6).]
T-11	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. [11 Miss. Admin.Code Pt. 2, R.2.1.D(7).]
T-12	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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]
T-13	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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-14	General Condition: The permit does not convey any property rights of any sort, or any exclusive privilege. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(c).]
T-15	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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(d).]
T-16	General Condition: This permit shall not be transferred except upon approval of the Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.16.B.]
T-17	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. [11 Miss. Admin.Code Pt. 2, R.1.1.D(7).]
T-18	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. [11 Miss. Admin.Code Pt. 2, R.2.5.C(1).]

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AI0000005317 (continued):

Narrative Requirements:

Condition No.	Condition
T-19	General Condition: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. [11 Miss. Admin.Code Pt. 2, R.2.5.D(3).]
T-20	General Condition: Except as prohibited in 11 Miss. Admin. Code Pt. 2,R. 2.5.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. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).]
T-21	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.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. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).]
T-22	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.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. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).]
T-23	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. [11 Miss. Admin.Code Pt. 2, R.2.5.D(7).]

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AI0000005317 (continued):

Narrative Requirements:

Condition No.	Condition
T-24	<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. [11 Miss. Admin.Code Pt. 2, R.2.6.B(3),(4)&(6).]
T-25	<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. [11 Miss. Admin.Code Pt. 2, R.2.5.A(4).]</p>

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GRPT0000000001 (Compressors) AA-001, AA-002, AA-003, AA-004 7600 HP natural gas turbines with SCR:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		<p>For Emission Points AA-001, AA-002, AA-003, and AA-004 the permittee shall meet the Federally enforceable limits of 25 ppmvd of NOx at 15% Oxygen for these emission points with the installation of Selective Catalytic Reduction (SCR) on the Combustion Turbines. The CO will be tested simultaneously with the NOx testing to verify the CO emission factor.</p> <p>The permittee can not bypass the SCR when operating the combustion turbines after the certification of construction date. [11 Miss. Admin. Code Pt. 2, Ch. 2. R.2.2.B(10)]</p>

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee shall conduct performance tests annually on the turbines for Nitrogen Oxides (NOx) and Carbon Monoxide (CO). If the result from the performance test is less than 75% of the limits for NOx, the testing frequency can be reduced to every two years. If the performance tests are above 75% of the NOx limits the permittee shall test annually. [11 Miss. Admin. Code Pt. 2, Ch. 2. R.2.2.B(11)]</p>
M-2		<p>The permittee shall use EPA Reference Method 7 or EPA Reference Method 20 to determine the NOx emissions. The permittee shall use EPA Reference Method 10 to determine the CO emissions. [11 Miss. Admin. Code Pt. 2, Ch. 2. R.2.2.B(11)]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>For Emission Points AA-001, AA-002, AA-003, and AA-004 the permittee shall submit the performance test results within 60 days of the performance of the tests. For the purpose of compliance testing, the turbines shall be tested at or above 75% of the maximum turbine load for the given atmospheric conditions at the time of testing. Each tested turbine load shall be identified in the sampling report. [11 Miss. Admin. Code Pt. 2, Ch. 2. R.2.2.B(11)]</p>

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GRPT0000000001 (continued):

Submittal/Action Requirements:

Condition	
No.	Condition
S-2	A test protocol shall be submitted at least thirty (30) days prior to the proposed test date to insure that all test methods and procedures are acceptable to MDEQ Compliance Division. Also MDEQ must be notified at least ten (10) days prior to the scheduled test date so that an observer may be scheduled to witness the test(s). [11 Miss. Admin. Code Pt. 2, Ch. 2. R.2.2.B(11)]

GENERAL INFORMATION

Texas Eastern Transmission LP, Clinton Compressor Station
1485 Billy Bell Road
Jackson, MS
Hinds County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
5317	Texas Eastern Transmission, LP	Official Site Name	2/13/1996	
2804900209	Texas Eastern Trans, Clinton Compr Sta	Air-AIRS AFS	10/12/2000	
MSD980516249	Texas Eastern Transmission Company, Clinton Station	Hazardous Waste-EPA ID	4/29/1997	3/15/2005
108000209	Texas Eastern Transmission, Clinton Compressor Station	Air-Title V Operating	2/13/1996	2/1/2001
108000209	Texas Eastern Transmission, Clinton Compressor Station	Air-Title V Operating	12/13/2001	11/30/2006
MS0047465	Texas Eastern Transmission, Clinton Compressor Station	Water - NPDES	3/3/2004	1/31/2009
MSD980516249	TETLP-Clinton	Hazardous Waste-EPA ID	3/15/2005	
108000209	Texas Eastern Transmission, Clinton Compressor Station	Air-Title V Fee Customer	2/13/1996	
108000209	Texas Eastern Transmission, Clinton Compressor Station	Air-Title V Operating	5/1/2007	4/30/2012
MS0047465	Texas Eastern Transmission, Clinton Compressor Station	Water - NPDES	5/12/2011	4/30/2016
108000209	Texas Eastern Transmission, Clinton Compressor Station	Air-Title V Operating	6/29/2012	5/31/2017
MSG130392	Texas Eastern Transmission LP, Clinton Compressor Station	GP-Hydrostatic Testing	8/7/2013	8/31/2014
MSG130446	Texas Eastern Transmission LP, Clinton Compressor Station	GP-Hydrostatic Testing	4/30/2015	8/31/2016
108000209	Texas Eastern Transmission LP, Clinton Compressor Station	Air-Construction	10/8/2015	

Basin: Pearl River Basin

Location Description:

GENERAL INFORMATION

Relevant Documents:

The federal regulations referenced in this permit may be found on-line at <http://ecfr.gpoaccess.gov/> and the State of Mississippi regulations may be found at <http://www.mdeq.state.ms.us/> or a copy may be obtained by contacting the Mississippi Department of Environmental Quality, Environmental Permit Division, Post Office Box 2261, Jackson, Mississippi 39255, phone (601) 961-5171. The following regulations were referenced in this permit:

11 Miss. Admin. Code Pt. 2, Chapter 1

11 Miss. Admin. Code Pt. 2, Chapter 2