



State of Mississippi



AIR POLLUTION CONTROL PERMIT

Permit To Construct Air Emissions Equipment

THIS CERTIFIES

CenterPoint Energy Field Services LLC, Anderson Plant
South of Highway 584
Liberty, MS
Amite 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: JUL 16 2012

Expires:

Permit No. 0080-00030

Agency Interest # 57743

Table of Contents

| | |
|-----------------------------|-----|
| Subject Item Inventory..... | i |
| Facility Requirements..... | 1 |
| General Information..... | A-1 |

Other Relevant Documents:

Mississippi Department of Environmental Quality, Environmental Permitting Division, by phone at (601) 961-5171 and by mail at Post Office Box 2261, Jackson, MS 39255. The following regulations were referenced in this permit:

Mississippi Air Pollution Control Regulations, APC-S-1

Mississippi Air Pollution Control Regulations, APC-S-2

Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart JJJJ

40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Internal Combustion Engines

40 CFR Part 63, Subpart HH - National Emissions Standards for Hazardous Air Pollutants: Oil and Natural Gas Production Facilities: Area Sources

40 CFR Part 60, Subpart OOOO - New Source Performance Standards for Crude Oil and Natural Gas Production, Transmission, and Distribution

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Subject Item Inventory

Permit Number:0080-00030

Activity ID No.: PER20120001

Subject Item Inventory:

| ID | Designation | Description |
|---------|-------------|--|
| AI57743 | 57743 | Liquid Natural Gas Processing Plant |
| AREA1 | AA-FUG | Fugitive Emissions (Facility Ref. No. F-1) |
| EQPT1 | AA-001 | 3.32 MMBtu (440 HP) Natural Gas Fired Reciprocating Internal Combustion Engine (Facility Ref. No. C-1) |
| EQPT2 | AA-002 | Glycol Dehydrator Still Column with vapors routed through a Condenser to the Glycol Dehydration Reboiler Firebox (Facility Ref. No. G-1) |
| EQPT3 | AA-003 | Glycol Dehydrator Reboiler (Facility Ref. No. GR-1) |
| EQPT6 | AA-004 | Mechanical Refrigeration Unit including a Stabilizer tower with vapors routed to the Encana Anderson 17 H-1 Facility Flare |
| EQPT4 | AA-005 | 550 Gallon Methanol Storage Tank (Facility Ref. No. M-1) |
| EQPT5 | AA-006 | Lube Oil Storage Tank |

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

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

Page 1 of 13

AI0000057743 (57743) Liquid Natural Gas Processing Plant:

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|--|
| L-1 | | The facility is subject to 40 CFR Part 60, Subpart OOOO, New Source Performance Standards for Crude Oil and Natural Gas Production, Transmission, and Distribution. The permittee shall comply with all applicable requirements of this subpart within 60 days of publication of the rule in the Federal Register or upon start up, whichever is later. [APC-S-2 II.B(10)] |
| L-2 | | The permittee is subject to and shall comply with 40 CFR Part 60, Subpart KKK, Standards of Performance of Equipment Leaks of VOC from Onshore Natural Gas Processing Plants until such time that the permittee demonstrates compliance with 40 CFR Part 60, Subpart OOOO. [40 CFR 60_SUBPART KKK] |

Monitoring Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| M-1 | | The permittee shall monitor and keep records of the processing plant inlet gas volume. [APC-S-2 II.B(11)] |

Record-Keeping Requirements:

| Condition No. | Condition |
|---------------|--|
| R-1 | The permittee shall keep records of the monthly actual emissions (tons/year) of volatile organic compounds, total hazardous air pollutants and individual hazardous air pollutants. [APC-S-2 II.B(11)] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

Page 2 of 13

AI0000057743 (continued):

Submittal/Action Requirements:

| Condition No. | Condition |
|---------------|---|
| S-1 | The permittee shall submit an annual report, by January 31st for the preceding calendar year, including: the actual annual emissions of volatile organic compounds, total hazardous air pollutants and individual hazardous air pollutants in tons per year and; the annual inlet gas volume processed in the natural gas processing plant. [APC-S-2 II.B(11)] |
| S-2 | The permittee shall submit a report to MDEQ detailing all requirements of 40 CFR Part 60, Subpart OOOO that are applicable to this facility. This report shall include, at a minimum, standards, initial compliance demonstration, continuous compliance demonstration, recordkeeping, notification, performance testing, and reporting. This report shall be submitted within 60 days of certification of construction. [APC-S-2 II.B(11)] |
| S-3 | 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] |
| S-4 | 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-5 | 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] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

AI0000057743 (continued):

Narrative Requirements:

General Condition:

| Condition No. | Condition |
|---------------|---|
| 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] |
| 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] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

Page 4 of 13

AI0000057743 (continued):

Narrative Requirements:

| Condition No. | Condition |
|---------------|---|
| T-8 | General Condition: This permit is for air pollution control purposes only. [APC-S-2 I.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. [APC-S-2 II.B(5)] |
| 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. [APC-S-2 I.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. [APC-S-2 II.B(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. [APC-S-2 II.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. [APC-S-2 II.B(15)b] |
| T-14 | 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-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. [APC-S-2 II.B(15)d] |
| T-16 | General Condition: This permit shall not be transferred except upon approval of the Permit Board. [APC-S-2 XVI.B] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

AI0000057743 (continued):

Narrative Requirements:

| Condition No. | Condition |
|---------------|--|
| 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. [APC-S-2 I.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. [APC-S-2 V.C(1)] |
| T-19 | 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-20 | 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-21 | 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-22 | 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-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. [APC-S-2 V.D(7)] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

AI0000057743 (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. [APC-S-2 VI.B(3, 4 and 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. [APC-S-2 V.A(4)]</p> |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

AREA0000000001 (AA-FUG) Fugitive Emissions (Facility Ref. No. F-1):

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-1 | | Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

Page 8 of 13

EQPT0000000001 (AA-001) 3.32 MMBtu (440 HP) Natural Gas Fired Reciprocating Internal Combustion Engine (Facility Ref. No. C-1) :

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-1 | | Opacity: The permittee shall have emissions of opacity less than or equal to 40%, as determined by EPA Reference Method 9, 40 CFR Part 60, Appendix A. [APC-S-1 3.1.a] |
| L-2 | | Particulate matter emissions from fossil fuel burning installations of less than 10 MMBtu/hr heat input shall not exceeds 0.6 lb/MMbtu. [APC-S-1 3.4.a(1)] |
| L-3 | | The compressor engine is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines(RICE), 40 CFR Part 63, Subpart ZZZZ. The unit is an existing stationary RICE (manufacture date 1999) and therefore must comply with 40 CFR 63 Subpart ZZZZ by October 19, 2013. [40 CFR 63.6595(a)] |
| L-4 | | Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)] |

Monitoring Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| M-1 | | For the compressor engine, the permittee must comply with the following maintenance requirements: a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first; b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

Page 9 of 13

EQPT0000000002 (AA-002) Glycol Dehydrator Still Column with vapors routed through a Condenser to the Glycol Dehydration Reboiler Firebox (Facility Ref. No. G-1) :

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-1 | | The permittee shall only operate the glycol still column with vapors routed through a condenser to the glycol dehydration reboiler fire box. [APC-S-2 II.B(10)] |
| L-2 | | The permittee shall have emissions of opacity less than or equal to 40%, as determined by EPA Reference Method 9, 40 CFR Part 60, Appendix A. [APC-S-1 3.1.a] |
| L-3 | | The glycol dehydration unit is an affected facility located at an area source of hazardous air pollutants; therefore, the permittee shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Plants, 40 CFR 63, Subpart HH. [40 CFR 63.Subpart HH] |
| L-4 | | Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)] |

Record-Keeping Requirements:

| Condition No. | Condition |
|---------------|--|
| R-1 | <p>Recordkeeping Requirements:</p> <p>The permittee shall maintain records verifying exemption from the requirements of 40 CFR 63, Subpart HH; and</p> <p>The permittee shall determine glycol dehydration unit natural gas flow rate or benzene emissions as specified in 63.772(b). The permittee shall maintain records to support the determination of exemption in accordance with 40 CFR 63.774(d)(1)(i) or 40 CFR 63.774(d)(1)(ii). [40 CFR 60.670]</p> |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

EQPT0000000003 (AA-003) Glycol Dehydrator Reboiler (Facility Ref. No. GR-1):

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-1 | | The permittee shall have emissions of opacity less than or equal to 40%, as determined by EPA Reference Method 9, 40 CFR Part 60, Appendix A. [APC-S-1 3.1.a] |
| L-2 | | Particulate matter emissions from fossil fuel burning installations of less than 10 MMbtu/hr heat input shall not exceeds 0.6 lb/MMbtu. [APC-S-1 3.4.a(1)] |
| L-3 | | Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

EQPT0000000006 (AA-004) Mechanical Refrigeration Unit including a Stabilizer tower with vapors routed to the Encana Anderson 17 H-1 Facility Flare:

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|--|
| L-1 | | Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

EQPT0000000004 (AA-005) 550 Gallon Methanol Storage Tank (Facility Ref. No. M-1) :

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-1 | | Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)] |

Permit To Construct Air Emissions Equipment

CenterPoint Energy Field Services LLC, Anderson Plant

Facility Requirements

Permit Number:0080-00030

Activity ID No.: PER20120001

EQPT0000000005 (AA-006) Lube Oil Storage Tank :

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-1 | | Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)] |

GENERAL INFORMATION

CenterPoint Energy Field Services LLC, Anderson Plant
South of Highway 584
Liberty, MS
Amite County

Alternate/Historic Identifiers

| ID | Alternate/Historic Name | User Group | Start Date | End Date |
|------------|--|------------------------------|------------|----------|
| 57743 | CenterPoint Energy Field Services, LLC | Official Site Name | 5/31/2012 | |
| 2800500030 | CenterPoint Energy Field Services, LLC | Air-AIRS AFS (MDEQ USE ONLY) | 7/16/2012 | |
| 0080-00030 | CenterPoint Energy Field Services, LLC | Air-Construction | 7/16/2012 | |

Basin: South Independent Streams Basin

Location Description:

GENERAL INFORMATION

Relevant Documents:

Mississippi Department of Environmental Quality, Environmental Permitting Division, by phone at (601) 961-5171 and by mail at Post Office Box 2261, Jackson, MS 39255. The following regulations were referenced in this permit:

Mississippi Air Pollution Control Regulations, APC-S-1

Mississippi Air Pollution Control Regulations, APC-S-2

Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart JJJJ

40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Internal Combustion Engines

40 CFR Part 63, Subpart HH - National Emissions Standards for Hazardous Air Pollutants: Oil and Natural Gas Production Facilities: Area Sources

40 CFR Part 60, Subpart OOOO - New Source Performance Standards for Crude Oil and Natural Gas Production, Transmission, and Distribution