



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Tellus Operating Group LLC, Baxterville Compressor Station
4 Gulf Camp Circle
Lumberton, MS
Lamar 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: MAY 2 5 2011

Expires: APR 30 2016

Permit No. 1440-00030

Agency Interest # 7463

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Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Subject Item Inventory

Permit Number: 1440-00030

Activity ID No.: PER20090001

Subject Item Inventory:

ID	Designation	Description
AI7463	7463	Natural Gas Processing
EQPT2	AA-003	4.2 MMBTU/hr Caterpillar G399SI natural gas internal combustion engine with emissions controlled by the catalytic converter (Ref -ENG3)
EQPT3	AA-004	6.2 MMBTU/hr White Superior 8G825 natural gas internal combustion engine with emissions controlled by the catalytic converter
EQPT4	AA-005	6.2 MMBTU/hr White Superior 8G825 natural gas internal combustion engine with emissions controlled by the catalytic converter (Ref-ENG5)
EQPT5	AA-007	0.5 MMBTU/hr Glycol Reboiler, natural gas fired (Ref. GRB 1)
EQPT6	AA-008	0.5 MMBTU/hr Glycol Reboiler, natural gas fired (Ref. GRB 2)
EQPT7	AA-009	Flaring of Natural Gas
EQPT11	AA-006	6.2 MMBTU/hr White Superior 8G825 natural gas internal combustion engine with emissions controlled by the catalytic converter (Ref-ENG6)
EQPT13	AA-013	0.007 MMSCFD Glycol Dehydrator Vent with emissions routed to and controlled by the glycol reboiler (AA-007)
EQPT14	AA-014	0.007 MMSCFD Glycol Dehydrator Vent with emissions routed to and controlled by the glycol reboiler (AA-008)

Subject Item Groups:

ID	Description	Components
GRPT1	Condensate Storage Tanks	EQPT9 8,812 Gallon Condensate Storage Tank
		EQPT10 16,800 Gallon Condensate Storage Tank
		EQPT8 8,812 Gallon Condensate Storage Tank

KEY

ACT = Activity

AREA = Area

CONT = Control Device

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

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

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Subject Item Inventory

Permit Number: 1440-00030

Activity ID No.: PER20090001

KEY

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

TRMT = Treatment

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AI0000007463 (7463) Natural Gas Processing:

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. [APC-S-2 II.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. [APC-S-2 II.B(11)]

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. [APC-S-2 V.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 Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [APC-S-1 Section 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. [APC-S-2 X]

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AI0000007463 (continued):

Narrative Requirements:

Condition No.	Condition
T-6	<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-7	<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-8	<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-9	<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-10	<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-11	<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>
T-12	<p>General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [APC-S-2 XVI.B]</p>
T-13	<p>General Condition: This permit is for air pollution control purposes only. [APC-S-2 I.D(1)]</p>

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Narrative Requirements:

Condition No.	Condition
T-14	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-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. [APC-S-2 I.D(7)]
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. [APC-S-2 II.B(15)d]
T-17	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: (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-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. [APC-S-2 II.B(15)a]

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Narrative Requirements:

Condition No.	Condition
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. [APC-S-2 IX]
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. [APC-S-2 II.B(5)]
T-21	General Condition: Emergencies (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. (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 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. (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 [APC-S-2 II.B(10)]

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Narrative Requirements:

Condition No.	Condition
T-22	<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>
T-23	<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-24	<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>

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AI0000007463 (continued):

Narrative Requirements:

Condition	Condition
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. [APC-S-2 VIII]

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EQPT0000000002 (AA-003) 4.2 MMBTU/hr Caterpillar G399SI natural gas internal combustion engine with emissions controlled by the catalytic converter (Ref -ENG3)

:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Monoxide	Carbon Monoxide: The permittee shall limit CO emissions to 2.79 pound/hour and 12.22 tons/year. [APC-S-2 II.B(10)]
L-2	Formaldehyde	Formaldehyde: Except during periods of startup, the permittee shall have less than 2.7 ppmvd formaldehyde at 15% oxygen or 76% reduction and requirements in Table 2d. [40 CFR 63_Subpart ZZZZ]
L-3	Nitrogen oxides	Nitrogen oxides: The permittee shall limit NOx emissions to 2.79 pound/hour and 12.22 tons/year. [APC-S-2 II.B(10)]
L-4	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-5		The permittee shall use pipeline natural gas only. [APC-S-2 II.B(10)]
L-6		The permittee shall only operate the compressor engine with emission controlled by the catalytic converter. [APC-S-2 II.B(10)]
L-7		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines in 40 CFR 63, Subpart ZZZZ and the General Provisions in Subpart A. The permittee shall be in compliance with this subpart by October 19, 2013. [40 CFR 63_Subpart ZZZZ]
L-8		The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63_Subpart ZZZZ]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall monitor fuel usage, including type and quantity of fuel used. [APC-S-2 II.B(11)]

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EQPT0000000002 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall develop and keep on-site, an adequately detailed, written inspection and maintenance plan, per manufactures specifications, outlining:</p> <ol style="list-style-type: none">1. The monitoring equipment involved with the operation of the engines and catalytic converters2. Data recording procedures3. Acceptable operating parameters necessary for ensuring proper operation of the engines and catalytic converters4. Specific corrective actions should the parametric monitoring indicate equipment failure <p>The permittee shall keep records of all maintenance performed on each engine and/or catalytic converter as a support of the requirement to operate each engine in a manner consistent with good air pollution control practices to minimize emissions. [APC-S-2 II.B(11)]</p>
R-2	<p>The permittee shall keep records for MACT ZZZZ in accordance with 40 CFR 63.6655(a)-(d) and 40 CFR 63.6660. [40 CFR 63_Subpart ZZZZ]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>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(11)]</p>
S-2	<p>The permittee shall demonstrate compliance with NOx and CO emission limitations by stack testing for both pollutants at the same time in accordance with EPA Reference Method 20 and 10 or their approved equivalents and submittal of a stack test report by December 31, 2011 and biennially thereafter. Based upon the results of the stack tests, the permittee may petition to remove the biennial stack test requirement.</p> <p>A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least ten (10) days notice should be given so that an observer may be scheduled to witness the test(s). [APC-S-2 II.B(11)]</p>

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Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

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Submittal/Action Requirements:

Condition	Condition
S-3	The permittee shall demonstrate compliance 40 CFR 63.6603 by conducting an initial performance test and conduct subsequent performance test every 8,760 hours or three (3) years, whichever comes first in accordance with 40 CFR 63.6615. [40 CFR 63_Subpart ZZZZ]

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EQPT0000000003 (AA-004) 6.2 MMBTU/hr White Superior 8G825 natural gas internal combustion engine with emissions controlled by the catalytic converter :

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Monoxide	Carbon Monoxide: The permittee shall limit CO emissions to 4.26 pound/hour and 18.66 tons/year. [APC-S-2 II.B(10)]
L-2	Formaldehyde	Formaldehyde: Except during periods of startup, the permittee shall have less than 2.7 ppmvd formaldehyde at 15% oxygen or 76% reduction and requirements in Table 2d. [40 CFR 63_Subpart ZZZZ]
L-3	Nitrogen oxides	Nitrogen oxides: The permittee shall limit NOx emissions to 2.43 pound/hour and 10.66 tons/year. [APC-S-2 II.B(10)]
L-4	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-5		The permittee shall use pipeline natural gas only. [APC-S-2 II.B(10)]
L-6		The permittee shall only operate the compressor engine with emission controlled by the catalytic converter. [APC-S-2 II.B(10)]
L-7		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines in 40 CFR 63, Subpart ZZZZ and the General Provisions in Subpart A. The permittee shall be in compliance with this subpart by October 19, 2013. [40 CFR 63_Subpart ZZZZ]
L-8		The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63_Subpart ZZZZ]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall monitor fuel usage, including type and quantity of fuel used. [APC-S-2 II.B(11)]

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EQPT0000000003 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall develop and keep on-site, an adequately detailed, written inspection and maintenance plan, per manufactures specifications, outlining:</p> <ol style="list-style-type: none">1. The monitoring equipment involved with the operation of the engines and catalytic converters2. Data recording procedures3. Acceptable operating parameters necessary for ensuring proper operation of the engines and catalytic converters4. Specific corrective actions should the parametric monitoring indicate equipment failure <p>The permittee shall keep records of all maintenance performed on each engine and/or catalytic converter as a support of the requirement to operate each engine in a manner consistent with good air pollution control practices to minimize emissions. [APC-S-2 II.B(11)]</p>
R-2	<p>The permittee shall keep records for MACT ZZZZ in accordance with 40 CFR 63.6655(a)-(d) and 40 CFR 63.6660. [40 CFR 63_Subpart ZZZZ]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>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(11)]</p>
S-2	<p>The permittee shall demonstrate compliance with NOx and CO emission limitations by stack testing for both pollutants at the same time in accordance with EPA Reference Method 20 and 10 or their approved equivalents and submittal of a stack test report by December 31, 2011 and biennially thereafter. Based upon the results of the stack tests, the permittee may petition to remove the biennial stack test requirement.</p> <p>A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least ten (10) days notice should be given so that an observer may be scheduled to witness the test(s). [APC-S-2 II.B(11)]</p>

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Submittal/Action Requirements:

Condition	Condition
S-3	The permittee shall demonstrate compliance 40 CFR 63.6603 by conducting an initial performance test and conduct subsequent performance test every 8,760 hours or three (3) years, whichever comes first in accordance with 40 CFR 63.6615. [40 CFR 63_Subpart ZZZZ]

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EQPT0000000004 (AA-005) 6.2 MMBTU/hr White Superior 8G825 natural gas internal combustion engine with emissions controlled by the catalytic converter (Ref-ENG5):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Monoxide	Carbon Monoxide: The permittee shall limit CO emissions to 4.26 pound/hour and 18.66 tons/year. [APC-S-2 II.B(10)]
L-2	Formaldehyde	Formaldehyde: Except during periods of startup, the permittee shall have less than 2.7 ppmvd formaldehyde at 15% oxygen or 76% reduction and requirements in Table 2d. [40 CFR 63_Subpart ZZZZ]
L-3	Nitrogen oxides	Nitrogen oxides: The permittee shall limit NOx emissions to 2.43 pound/hour and 10.66 tons/year. [APC-S-2 II.B(10)]
L-4	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-5		The permittee shall use pipeline natural gas only. [APC-S-2 II.B(10)]
L-6		The permittee shall only operate the compressor engine with emission controlled by the catalytic converter. [APC-S-2 II.B(10)]
L-7		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines in 40 CFR 63, Subpart ZZZZ and the General Provisions in Subpart A. The permittee shall be in compliance with this subpart by October 19, 2013. [40 CFR 63_Subpart ZZZZ]
L-8		The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63_Subpart ZZZZ]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall monitor fuel usage, including type and quantity of fuel used. [APC-S-2 II.B(11)]

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EQPT0000000004 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall develop and keep on-site, an adequately detailed, written inspection and maintenance plan, per manufactures specifications, outlining:</p> <ol style="list-style-type: none">1. The monitoring equipment involved with the operation of the engines and catalytic converters2. Data recording procedures3. Acceptable operating parameters necessary for ensuring proper operation of the engines and catalytic converters4. Specific corrective actions should the parametric monitoring indicate equipment failure <p>The permittee shall keep records of all maintenance performed on each engine and/or catalytic converter as a support of the requirement to operate each engine in a manner consistent with good air pollution control practices to minimize emissions. [APC-S-2 II.B(11)]</p>
R-2	<p>The permittee shall keep records for MACT ZZZZ in accordance with 40 CFR 63.6655(a)-(d) and 40 CFR 63.6660. [40 CFR 63_Subpart ZZZZ]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>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(11)]</p>
S-2	<p>The permittee shall demonstrate compliance with NOx and CO emission limitations by stack testing for both pollutants at the same time in accordance with EPA Reference Method 20 and 10 or their approved equivalents and submittal of a stack test report by December 31, 2011 and biennially thereafter. Based upon the results of the stack tests, the permittee may petition to remove the biennial stack test requirement.</p> <p>A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least ten (10) days notice should be given so that an observer may be scheduled to witness the test(s). [APC-S-2 II.B(11)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

Submittal/Action Requirements:

Condition	Condition
S-3	The permittee shall demonstrate compliance 40 CFR 63.6603 by conducting an initial performance test and conduct subsequent performance test every 8,760 hours or three (3) years, whichever comes first in accordance with 40 CFR 63.6615. [40 CFR 63_Subpart ZZZZ]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

EQPT0000000005 (AA-007) 0.5 MMBTU/hr Glycol Reboiler, natural gas fired (Ref. GRB 1):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]

Narrative Requirements:

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

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

EQPT0000000006 (AA-008) 0.5 MMBTU/hr Glycol Reboiler, natural gas fired (Ref. GRB 2):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]

Narrative Requirements:

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

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

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EQPT0000000007 (AA-009) Flaring of Natural Gas:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Monoxide	Carbon Monoxide: The permittee shall limit CO emissions to 46.99 pound/hour and 2.44 tons/year. [APC-S-2 II.B(10)]
L-2	Nitrogen oxides	Nitrogen oxides: The permittee shall limit NOx emissions to 8.46 pound/hour and 0.45 tons/year. [APC-S-2 II.B(10)]
L-3	Opacity	Opacity: The permittee shall operate the flare with no visible emissions, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours and as determined by EPA Test Method 22, 40 CFR 60, Appendix A. [40 CFR 60]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall maintain a flare pilot flame at all times and keep records of all maintenance performed on the flare in order to operate the flare in a manner consistent with good air pollution control practices to minimize emissions. [40 CFR 60]

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall calculate and keep records of the actual CO and NOx emitted in lbs/hour for each flaring event from the data collected above on a monthly basis. Furthermore, the permittee shall calculate and keep records of the actual NOx and CO emitted as tons/year on a consecutive 12-month basis. [APC-S-2 II.B(11)]
R-2	The permittee shall keep records of the start time and end time, the total cubic feet of natural gas combusted in the flare for each flaring event. [APC-S-2 II.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

EQPT0000000007 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	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(11)]
S-2	The permittee shall submit annual reports of the data collected for each flaring event and demonstrating compliance with the annual CO and NOx emission rate on a 12-month rolling total. [APC-S-2 II.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

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EQPT0000000011 (AA-006) 6.2 MMBTU/hr White Superior 8G825 natural gas internal combustion engine with emissions controlled by the catalytic converter (Ref-ENG6):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Monoxide	Carbon Monoxide: The permittee shall limit CO emissions to 4.26 pound/hour and 18.66 tons/year. [APC-S-2 II.B(10)]
L-2	Formaldehyde	Formaldehyde: Except during periods of startup, the permittee shall have less than 2.7 ppmvd formaldehyde at 15% oxygen or 76% reduction and requirements in Table 2d. [40 CFR 63_Subpart ZZZZ]
L-3	Nitrogen oxides	Nitrogen oxides: The permittee shall limit NOx emissions to 2.43 pound/hour and 10.66 tons/year. [APC-S-2 II.B(10)]
L-4	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-5		The permittee shall use pipeline natural gas only. [APC-S-2 II.B(10)]
L-6		The permittee shall only operate the compressor engine with emission controlled by the catalytic converter. [APC-S-2 II.B(10)]
L-7		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines in 40 CFR 63, Subpart ZZZZ and the General Provisions in Subpart A. The permittee shall be in compliance with this subpart by October 19, 2013. [40 CFR 63_Subpart ZZZZ]
L-8		The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63_Subpart ZZZZ]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall monitor fuel usage, including type and quantity of fuel used. [APC-S-2 II.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

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EQPT0000000011 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall develop and keep on-site, an adequately detailed, written inspection and maintenance plan, per manufactures specifications, outlining:</p> <ol style="list-style-type: none">1. The monitoring equipment involved with the operation of the engines and catalytic converters2. Data recording procedures3. Acceptable operating parameters necessary for ensuring proper operation of the engines and catalytic converters4. Specific corrective actions should the parametric monitoring indicate equipment failure <p>The permittee shall keep records of all maintenance performed on each engine and/or catalytic converter as a support of the requirement to operate each engine in a manner consistent with good air pollution control practices to minimize emissions. [APC-S-2 II.B(11)]</p>
R-2	<p>The permittee shall keep records for MACT ZZZZ in accordance with 40 CFR 63.6655(a)-(d) and 40 CFR 63.6660. [40 CFR 63_Subpart ZZZZ]</p>

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>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(11)]</p>
S-2	<p>The permittee shall demonstrate compliance with NOx and CO emission limitations by stack testing for both pollutants at the same time in accordance with EPA Reference Method 20 and 10 or their approved equivalents and submittal of a stack test report by December 31, 2011 and biennially thereafter. Based upon the results of the stack tests, the permittee may petition to remove the biennial stack test requirement.</p> <p>A pretest conference at least thirty (30) days prior to the scheduled test date is needed to ensure that all test methods and procedures are acceptable to the Office of Pollution Control. Also, the Office of Pollution Control must be notified prior to the scheduled test date. At least ten (10) days notice should be given so that an observer may be scheduled to witness the test(s). [APC-S-2 II.B(11)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

Submittal/Action Requirements:

Condition	Condition
S-3	The permittee shall demonstrate compliance 40 CFR 63.6603 by conducting an initial performance test and conduct subsequent performance test every 8,760 hours or three (3) years, whichever comes first in accordance with 40 CFR 63.6615. [40 CFR 63_Subpart ZZZZ]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

EQPT0000000013 (AA-013) 0.007 MMSCFD Glycol Dehydrator Vent with emissions routed to and controlled by the glycol reboiler (AA-007):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee shall operate the glycol dehydrator with emissions routed to and controlled by the glycol reboiler, Emission Point AA-007. [APC-S-2 II.B(10)]

Narrative Requirements:

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

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

EQPT0000000014 (AA-014) 0.007 MMSCFD Glycol Dehydrator Vent with emissions routed to and controlled by the glycol reboiler (AA-008):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee shall operate the glycol dehydrator with emissions routed to and controlled by the glycol reboiler, Emission Point AA-008. [APC-S-2 II.B(10)]

Narrative Requirements:

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

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Tellus Operating Group LLC, Baxterville Compressor Station

Facility Requirements

Permit Number:1440-00030

Activity ID No.: PER20090001

GRPT0000000001 (AT-001) Condensate Storage Tanks:

Narrative Requirements:

Condition

No. Condition

T-1 Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]

GENERAL INFORMATION

Tellus Operating Group LLC, Baxterville Compressor Station
 4 Gulf Camp Circle
 Lumberton, MS
 Lamar County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
7463	Tellus Operating Group, LLC	Official Site Name	6/24/2004	
2807300030	Tellus Operating Grp, Baxterville Compr	Air-AIRS AFS	10/12/2000	
144000030	Pennzoil Exploration and Production Company, Baxterville Compressor Station	Air-Synthetic Minor Operating	10/29/1997	10/1/2002
144000030	Pennzoil Exploration and Production Company, Baxterville Compressor Station	Air-Construction	10/29/1997	
7463	Pennzoil Exploration and Production Company	Historic Site Name	10/29/1997	6/24/2004
144000029	Pennzoil Exploration and Production Company, Baxterville Dehydration Facility	Air-State Operating	1/9/1996	1/1/2001
7338	Pennzoil Exploration and Production Company	Official Site Name	10/12/2000	10/12/2000
2807300029	Tellus Operating Grp, Baxterville Compr	Air-AIRS AFS (MDEQ USE ONLY)	10/12/2000	2/1/2001
144000030	Tellus Operating Group LLC, Baxterville Compressor Station	Air-Synthetic Minor Operating	12/17/2004	11/30/2009
144000030	Tellus Operating Group LLC, Baxterville Compressor Station	Air-Synthetic Minor Operating	5/25/2011	4/30/2016

Basin: Pearl River Basin

Latitude: 31° 4' 0" 8 tenths

Longitude: 89° 38' 5" 9 tenths

Location Description:PG- Plant Entrance (General). Data collected by J. Dewayne Headrick on 11/15/2005. Address in system is for office.

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