



State of Mississippi



AIR POLLUTION CONTROL PERMIT

To Construct Air Emissions Equipment

THIS CERTIFIES

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
Highway 84 and North Shady Grove Road
Prentiss, MS
Lawrence 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: **AUG 29 2012**

Expires:

Permit No. 1500-00040

Agency Interest # 36670

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To Construct Air Emissions Equipment

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility

Subject Item Inventory

Permit Number:1500-00040

Activity ID No.: PER20120001

Subject Item Inventory:

ID	Designation	Description
AI36670	36670	Oil and Gas Field Production
AREA1	AA-004	Facility Connections (BARNESFAC)
AREA2	AA-005	Truck Loading (BARNESLOAD)
EQPT1	AA-001	0.5 MMBUTH Natural Gas Fired Glycol Heating Unit (BARNESDEHY)
EQPT2	AA-002	20 MMSCFD Glycol Regenerator with a BTEX Eliminator (BARNESGLYC)
EQPT3	AA-003	0.5 MMBTU/hr Stack Pack (BARNESHTR)
EQPT4	AA-006	16,800 gallon Oil Tank (BARNESTNKS)
EQPT9	AA-007	16,800 gallon Oil Tank (BARNESTNKS)
EQPT10	AA-008	16,800 gallon Saltwater Tank (BARNESTNKS)
EQPT11	AA-009	1,265 HP Natural Gas Fired Internal Combustion Compressor Engine (BARNESCOMP)
EQPT12	AA-010	Amine Plant Regenerator (AMINESTK)
EQPT13	AA-011	3 MMBTU/hr Amine Plant Boiler (AMINEHTR)
EQPT14	AA-012	95 HP gas-driven Caterpillar Engine for Amine Pump (AMINEENG)
EQPT15	AA-013	68 -hp Amine Cooler Engine (AMINECOOL1)
EQPT16	AA-014	68-hp Amine Cooler Engine (AMINECOOL2)
EQPT17	AA-016	Amine Plant Flash Tank (AMINEFLASH)
EQPT18	AA-015	95 HP gas-driven Caterpillar Engine for Amine Pump (AMINEENG)

Subject Item Groups:

ID	Description	Components
GRPT2	Crude oil/saltwater storage tanks	EQPT10 16,800 gallon Saltwater Tank (BARNESTNKS)
		EQPT4 16,800 gallon Oil Tank (BARNESTNKS)

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ID	Description	Components
GRPT2	Crude oil/saltwater storage tanks	EQPT9 16,800 gallon Oil Tank (BARNSTNKS)

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

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AI0000036670 (36670) Oil and Gas Field Production:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: For all fuel burning equipment, the permittee shall not cause Particulate Matter emissions to exceed 0.6 pounds of Particulate Matter per Million BTU per hour heat input. [APC-S-1 3.4(a)1]
L-2	Opacity	Opacity: For all fuel burning equipment, the permittee shall not cause emissions to obscure an observer's view to a degree in excess of 40% Opacity, as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.2]
L-3	Sulfur Dioxide	Sulfur Dioxide: For all fuel burning equipment, the permittee shall not cause emissions of Sulfur Dioxide greater than 4.8 lbs of Sulfur Dioxide per million BTU heat input. [APC-S-1 4.1(a)]

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. [APC-S-2 V.D]
S-2	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-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. [APC-S-2 V.C(3)]

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AI0000036670 (continued):

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]
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]

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AI0000036670 (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]

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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)]

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Facility Requirements

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AI0000036670 (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>

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Facility Requirements
Permit Number:1500-00040
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AREA0000000001 (AA-004) Facility Connections (BARNESFAC):

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 B(10)]

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AREA0000000002 (AA-005) Truck Loading (BARNESLOAD):

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 B(10)]

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Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
Facility Requirements
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Activity ID No.: PER20120001

EQPT0000000001 (AA-001) 0.5 MMBUTH Natural Gas Fired Glycol Heating Unit (BARNESDEHY):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Emissions of opacity shall not exceed 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 B(10)]

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Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
Facility Requirements
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EQPT000000002 (AA-002) 20 MMSCFD Glycol Regenerator with a BTEX Eliminator (BARNESGLYC):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		<p>The permittee shall operate the glycol dehydration unit in a manner that the glycol recirculation rate does not exceed the optimum glycol recirculation rate as determined by the following equation:</p> $L_{opt} = 1.15 * 3.0 * (\text{galTEG/lb H}_2\text{O}) * ((F * (I - O)) / 24 \text{ hr/day})$ <p>Where: L_{opt} = Optimal Circulation Rate (gal/hr) F = Gas Flowrate (MMSCF/D) I = Inlet Water Content (lb/MMSCF) O = Outlet Water Content (lb/MMSCF)</p> <p>If unable to meet sales gas specification for moisture content using the aforementioned formula, GRI-GLYCalc 3.0 or higher may be used to calculate an alternate recirculation rate. [40 CFR 63_SUBPART HH]</p>

Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee must keep a record of the calculation used to determine the optimum glycol circulation rate in accordance with 40 CFR 63.764(d)(2)(i) or 40 CFR 63.764(d)(2)(ii), as applicable. [40 CFR 63_SUBPART HH]</p>

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Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
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EQPT0000000002 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee is subject to the initial notification/reporting requirements under section 63.775(c), (c)(1) & (c)(7). [40 CFR 63_SUBPART HH]

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)]

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Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
Facility Requirements
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Activity ID No.: PER20120001

EQPT0000000003 (AA-003) 0.5 MMBTU/hr Stack Pack (BARNESHTR):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Emissions of opacity shall not exceed 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 the air contaminants. [APC-S-2 B(10)]

To Construct Air Emissions Equipment

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility

Facility Requirements

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EQPT000000011 (AA-009) 1,265 HP Natural Gas Fired Internal Combustion Compressor Engine (BARNESCOMP):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Carbon Monoxide	Carbon Monoxide: The permittee shall have exhaust emissions of CO less than 4.0 g/HP-hr. [40 CFR 60_SUBPART JJJJ]
L-2	Nitrogen oxides	Nitrogen oxides: The permittee shall have exhaust emissions of NOx less than 2.0 g/HP-hr. [40 CFR 60_SUBPART JJJJ]
L-3	Opacity	Opacity: Emissions of opacity shall not exceed 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-4	VOC	VOC: The permittee shall have exhaust emission of VOC less than 1.0 g/HP-hr. [40 CFR 60_SUBPART JJJJ]
L-5		The permittee shall only fire sweet natural gas. The firing of unprocessed field gas is not allowed. [APC-S-2 B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall demonstrate compliance with 40 CFR 60.4233 by conducting an initial performance test within one (1) year of engine start up and conduct subsequent performance test every 8,760 hours or three (3) years, whichever comes first, thereafter to demonstrate compliance. The permittee shall keep records of maintenance performed on the engine and must keep a maintenance plan in accordance with 40 CFR 60.4243. [40 CFR 60_SUBPART JJJJ]

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall provide in writing, the date of startup no later than ten days after the actual date. [APC-S-2 B(10)]

To Construct Air Emissions Equipment

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility

Facility Requirements

Permit Number:1500-00040

Activity ID No.: PER20120001

EQPT0000000011 (continued):

Narrative Requirements:

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

To Construct Air Emissions Equipment

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
Facility Requirements
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EQPT0000000012 (AA-010) Amine Plant Regenerator (AMINESTK):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Emissions of Opacity shall not exceed 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 B(10)]

To Construct Air Emissions Equipment

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility

Facility Requirements

Permit Number:1500-00040

Activity ID No.: PER20120001

EQPT0000000013 (AA-011) 3 MMBTU/hr Amine Plant Boiler (AMINEHTR):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Emissions of opacity shall not exceed 40% as determined by EPA Reference Method 9, 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 B(10)]

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EQPT0000000014 (AA-012) 95 HP gas-driven Catepillar Engine for Amine Pump (AMINEENG):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Emissions of Opacity shall not exceed 40% as determined by EPA Method 9, 40 CFR 60, Appenix A. [APC-S-1 3.1.a]
L-2		The permittee shall have exhaust emissions of HC + NOx less than 2.8 g/HP-hr. [40 CFR 60_SUBPART JJJJ]
L-3		The permittee shall have exhaust emissions of CO less than 4.8 g/HP-hr. [40 CFR 60_SUBPART JJJJ]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall demonstrate compliance with 40 CFR 60 Subpart JJJJ by conducting an initial performance test within one (1) year of engine startup. The permittee shall keep records of maintenance performed on the engine and must keep a maintenance plan in accordance with 40 CFR 60 Subpart JJJJ. [40 CFR 60_SUBPART JJJJ]

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall provide in writing, the date of startup no later than ten days after the actual date. [40 CFR 60_SUBPART JJJJ]

To Construct Air Emissions Equipment

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
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EQPT0000000014 (continued):

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 B(10)]

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EQPT0000000015 (AA-013) 68 -hp Amine Cooler Engine (AMINECOOL1):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Emissions of opacity shall not exceed 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-2		The permittee shall have exhaust emissions of HC + NOx less than 2.8 g/HP-hr. [40 CFR 60_SUBPART JJJJ]
L-3		The permittee shall have exhaust emissions of CO less than 4.8 g/HP-hr. [40 CFR 60_SUBPART JJJJ]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall demonstrate compliance with 40 CFR 60 Subpart JJJJ by conducting an initial performance test within one (1) year of engine startup. The permittee shall keep records of maintenance performed on the engine and must keep a maintenance plan in accordance with 40 CFR 60 Subpart JJJJ. [40 CFR 60_SUBPART JJJJ]

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall provide in writing, the date of startup no later than ten days after the actual date. [40 CFR 60_SUBPART JJJJ]

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Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility

Facility Requirements

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EQPT0000000015 (continued):

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 B(10)]

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Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility

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EQPT0000000016 (AA-014) 68-hp Amine Cooler Engine (AMINECOOL2):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Emissions of opacity shall not exceed 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-2		The permittee shall have exhaust emissions of CO less than 4.8 g/HP-hr. [40 CFR 60_SUBPART JJJJ]
L-3		The permittee shall have exhaust emissions of HC + NOx less than 2.8 g/HP-hr. [40 CFR 60_SUBPART JJJJ]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall demonstrate compliance with 40 CFR 60 Subpart JJJJ by conducting an initial performance test within one(1) year of engine startup. The permittee shall keep records of maintenance performed on the engine and must keep a maintenance plan in accordance with 40 CFR 60 Subpart JJJJ. [40 CFR 60_SUBPART JJJJ]

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall provide in writing, the date of startup no later than ten days after the actual date. [APC-S-2 II.B(10)]

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Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility

Facility Requirements

Permit Number:1500-00040

Activity ID No.: PER20120001

EQPT0000000016 (continued):

Narrative Requirements:

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

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EQPT0000000018 (AA-015) 95 HP gas-driven Caterpillar Engine for Amine Pump (AMINEENG):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: Emissions of opacity shall not exceed 40% as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-2		The permittee shall have exhaust emissions of HC + NOx less than 2.8 g/HP-hr. [40 CFR 60_SUBPART JJJJ]
L-3		The permittee shall have exhaust emissions of CO less than 4.8 g/HP-hr. [40 CFR 60_SUBPART JJJJ]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall demonstrate compliance with 40 CFR 60 Subpart JJJJ by conducting an initial performance test within one (1) year of engine startup. The permittee shall keep records of maintenance performed on the engine and must keep a maintenance plan in accordance with 40 CFR 60 Subpart JJJJ. [40 CFR 60_SUBPART JJJJ]

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall provide in writing, the date of startup no later than ten days after the actual date. [40 CFR 60_SUBPART JJJJ]

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Permit Number:1500-00040

Activity ID No.: PER20120001

EQPT0000000018 (continued):

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 B(10)]

To Construct Air Emissions Equipment

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
Facility Requirements
Permit Number:1500-00040
Activity ID No.: PER20120001

GRPT0000000002 (AT-001) Crude oil/saltwater 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 B.10]

GENERAL INFORMATION

Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility
Highway 84 and North Shady Grove Road
Prentiss, MS
Lawrence County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
36670	Premier Natural Resources II , LLC	Official Site Name	7/31/2012	
150000040	EOG Resources Inc, Barnes 11 9 Number 1 Production Facility	Air-Construction	8/29/2008	8/29/2012
2807700040	Prmr Natr'l Resources II LLC, Barnes 11 9 Num 1	Air-AIRS AFS (MDEQ USE ONLY)	8/29/2008	
36670	EOG Resources, Inc.	Historic Site Name	1/22/2008	7/31/2012
150000040	Premier Natural Resources II LLC, Barnes 11- 9 Number 1 Production Facility	Air-Construction	8/29/2012	

Basin: Pearl River Basin

Location Description: