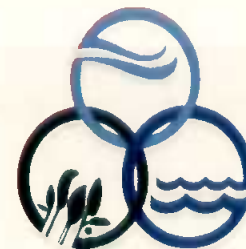




State of Mississippi



AIR POLLUTION CONTROL PERMIT

To Construct Air Emissions Equipment

THIS CERTIFIES

JNS Biofuel LLC
823 Highway 15 North
New Albany, MS
Union 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: JUN 23 2014

Expires:

Permit No. 2700-00043

Agency Interest # 23187

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Other Relevant Documents:

To Construct Air Emissions Equipment

JNS Biofuel LLC
Subject Item Inventory
Permit Number:2700-00043
Activity ID No.: PER20140001

Subject Item Inventory:

ID	Designation	Description
EQPT22	AA-101	Biodiesel Fuel (B100) Loading Operations
EQPT23	AA-102	Glycerine Loading Operations
AREA2	AA-103	Biodiesel Production Process Leaks
CONT1	AA-104	Two (2) Wet Scrubbers in series controlling Biodiesel Production Process
EQPT24	AA-105	157,000 Gallon Crude Organic Oil Tank (Non-VOC Feed Stock)
EQPT25	AA-106	157,000 Gallon Biodiesel Fuel Tank
EQPT26	AA-107	20,000 Gallon Glycerine Tank (Non-VOC)
EQPT27	AA-108	20,000 Gallon Glycerine Tank (Non-VOC)
EQPT28	AA-109	20,000 Gallon Glycerine Tank (Non-VOC)
EQPT29	AA-110	9,000 Gallon Methanol Tank
EQPT30	AA-111	9,000 Gallon Sodium Methylate Tank (Catalyst)
AI23187	23187	Biodiesel Production

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

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JNS Biofuel LLC

Subject Item Inventory

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KEY

WDPT = Withdrawal Point

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AI0000023187 (23187) Biodiesel Production:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	<p>Opacity:</p> <p>For the entire facility, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in 11 Miss. Admin. Code Pt. 2, R. 1.3.A(1). This shall not apply to vision obscuration caused by uncombined water droplets. [11 Miss. Admin. Code Pt. 2, R. 1.3.B.]</p>
L-2	HAP, Individual (Limit)	<p>HAP, Individual (Limit):</p> <p>For Emission Point AA-104, the permittee shall limit the methanol (a HAP) emissions to no more than 1 pound per hour (lb/hr) as determined for each rolling consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-3		<p>The permittee's annual biodiesel production shall not exceed 9,000,000 gallons per year as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-4		<p>The permittee must operate the scrubbers at all times when processing. Should the scrubbers become non-operational then the respective process shall be shutdown immediately, but not as to cause damage to equipment or property, or cause further environmental problems. The process shall not startup until such time that the scrubbers become operational. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>
L-5		<p>This facility is subject to 40 CFR Part 60 Subpart A - General Provisions. [40 CFR 60.1]</p>
L-6		<p>Emission Point AA-103, is subject to 40 CFR Part 60 Subpart VVa - Standards of Performance for Equipment Leaks of Volatile Organic Compound (VOC) in the Synthetic Organic Chemicals Manufacturing Industry (SOCMI).</p> <p>Emission Point AA-103, is subject to 40 CFR Part 60 Subpart NNN - Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations.</p> <p>Emission Point AA-103, is subject to 40 CFR 63 Subpart RRR - Standards of Performance for VOC Emissions from SOCMI Reactor Processes. [40 CFR 60.480a, 40 CFR 60.660, 40 CFR 60.700]</p>

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Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For Emission Point AA-104, the permittee shall perform an initial performance test within 60 days after achieving the maximum production rate at which the facility or emission source will be operated, but not later than 180 days after initial startup. The permittee shall demonstrate compliance with the lb/hr emission limit for methanol by stack testing in accordance with EPA Test Method 308 (40 CFR Part 63, Appendix A) unless an alternative is approved by MDEQ. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
M-2		For the entire facility, the permittee shall monitor and record a rolling consecutive 12-month total of methanol (a HAP) emissions. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
M-3		For the entire facility, the permittee shall monitor and record a rolling consecutive 12-month total volume of materials produced, including Biodiesel and Glycerin. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
M-4		For the entire facility, the permittee shall perform routine maintenance inspections on all control devices and air emission equipment on a weekly basis and document the date of the inspections, the name of the person who performs the inspections, and any maintenance conducted. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10.), 11 Miss. Admin. Code Pt. 2, R. 2.9.]

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Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall submit certification of construction, due within thirty (30) days of completion of construction or installation of an approved stationary source or prior to startup, whichever is earlier. The notification shall certify that construction or installation was performed in accordance with the approved plans and specifications. In the event there is any change in construction from the previously approved plans and specifications or permit, the permittee shall promptly notify MDEQ in writing. If MDEQ determines the changes are substantial, MDEQ may require the submission of a new application to construct with "as built" plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an "as built" application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law. [11 Miss. Admin. Code Pt. 2, R. 2.5.D.]
S-2	Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun. [11 Miss. Admin.Code Pt. 2, R.2.5.C(2).]
S-3	Within 90-days of submitting certification of construction, the facility shall submit a detailed report of applicable New Source Performance Standards (NSPS) and the means in which compliance will be achieved. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
S-4	The permittee shall submit a test protocol at least thirty (30) days prior to the scheduled test date to ensure that all test methods and procedures are acceptable to the DEQ. The DEQ must be notified at least ten (10) days prior to the scheduled test date so that an observer may be scheduled to witness the test(s). A stack test report containing the results of the test(s) shall be submitted within sixty (60) days of completion of the required test(s). [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).]
S-5	For Emission Point AA-104, within 180 days of completion of the initial stack test for methanol, the permittee shall submit a plan outlining the operational ranges for determining a reasonable measure of compliance with the lb/hr methanol limit established herein. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
S-6	The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more. [11 Miss. Admin.Code Pt. 2, R.2.5.C(4).]

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AI0000023187 (continued):

Narrative Requirements:

General Condition:

Condition No.	Condition
T-1	General Condition: Information provided by the applicant indicated that New Source Performance Standards (NSPS) Subparts A, VVa, NNN, and RRR, apply to this facility. Should it be determined that other NSPS Subparts apply to any air emission equipment then the permittee must ensure compliance with those Subparts and update the application as necessary to indicate the specific applicability. [40 CFR 60]
T-2	General Condition: The stationary source shall be designed and constructed so as to operate without causing a violation of any Applicable Rules and Regulations or this permit, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries. [11 Miss. Admin.Code Pt. 2, R.2.5.A.]
T-3	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49_17_29 1.b]
T-4	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-5	General Condition: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed except as provided for in Regulation 11 Miss. Admin. Code Pt.2, R. 1.10 "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [11 Miss. Admin. Code Pt. 2, R. 1.10]
T-6	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-7	General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for good cause shown including, but not limited to, the following: a. Persistent violation of any terms or conditions of this permit; b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or c. A change in any condition that requires either a temporary or permanent reduction or elimination of previously authorized air emissions. [11 Miss. Admin.Code Pt. 2, R.2.2.C.]

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Narrative Requirements:

General Condition:

Condition No.	Condition
T-8	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49_17_39]
T-9	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R.2.1.D.]
T-10	General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for operating without a valid permit pursuant to State Law. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]
T-11	General Condition: It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits. [11 Miss. Admin.Code Pt. 2, R.2.1.D(6).]
T-12	General Condition: The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities. [11 Miss. Admin.Code Pt. 2, R.2.1.D(7).]
T-13	General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit, unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]
T-14	General Condition: The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-15	General Condition: The permit does not convey any property rights of any sort, or any exclusive privilege. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(c).]

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Narrative Requirements:

Condition No.	Condition
T-16	General Condition: The permittee shall furnish to the DEQ within a reasonable time any information the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(d).]
T-17	General Condition: This permit shall not be transferred except upon approval of the Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.16.B.]
T-18	General Condition: The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin.Code Pt. 2, R.1.1.D(7).]
T-19	General Condition: The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more. [11 Miss. Admin.Code Pt. 2, R.2.5.C(1).]
T-20	General Condition: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. [11 Miss. Admin.Code Pt. 2, R.2.5.D(3).]
T-21	General Condition: Except as prohibited in 11 Miss. Admin. Code Pt. 2,R. 2.5.D(7) after certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by APC-S-2, Section XIII.G. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).]
T-22	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7), the application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).]

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Narrative Requirements:

Condition No.	Condition
T-23	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7), upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).]
T-24	General Condition: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to net out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities. [11 Miss. Admin.Code Pt. 2, R.2.5.D(7).]
T-25	General Condition: Regarding compliance testing: (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. (b) Compliance testing will be performed at the expense of the permittee. (c) Each emission sampling and analysis report shall include but not be limited to the following: 1. detailed description of testing procedures; 2. sample calculation(s); 3. results; and 4. comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit. [11 Miss. Admin.Code Pt. 2, R.2.6.B(3),(4)&(6).]
T-26	General Condition: The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum. [11 Miss. Admin.Code Pt. 2, R.2.5.A(4).]

GENERAL INFORMATION

JNS Biofuel LLC
823 Highway 15 North
New Albany, MS
Union County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
23187	JNS Biofuel, LLC	Official Site Name	4/9/2014	
2814500043	JNS Biofuel, LLC	Air-AIRS AFS	10/13/2005	
MSR001733	North Mississippi Biodiesel, Inc.	GP-Baseline	3/28/2006	1/9/2012
270000043	North Mississippi Biodiesel, Inc.	Air-Synthetic Minor Operating	3/29/2006	2/28/2011
270000043	North Mississippi Biodiesel, Inc.	Air-Construction	3/29/2006	
MSU060006	North Mississippi Biodiesel, Inc.	Water - SOP	3/29/2006	2/28/2011
MSR001733	North Mississippi Biodiesel, Inc.	GP-Baseline	1/9/2012	6/23/2014
270000043	North Mississippi Biodiesel Inc	Air-Synthetic Minor Operating	1/9/2012	12/31/2016
23187	North Mississippi Biodiesel, Inc.	Historic Site Name	10/13/2005	4/9/2014
MSR001733	JNS Biofuel, LLC	GP-Baseline	6/23/2014	9/28/2015

Basin: Yazoo River Basin

Location Description:PG- Plant Entrance (General). Data collected by J. Dewayne Headrick on 5/8/2006.

GENERAL INFORMATION