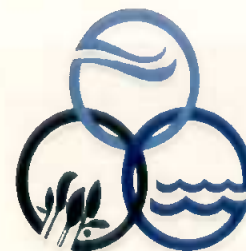




## State of Mississippi



### AIR POLLUTION CONTROL PERMIT

Permit To Construct Air Emissions Equipment

#### **THIS CERTIFIES**

Mississippi Power Company, Plant Victor J Daniel  
13201 Highway 63 North  
Moss Point, MS  
Jackson 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**

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**Mississippi Department of Environmental Quality**

Issued/Modified: JUN 06 2014

Expires:

Permit No. 1280-00090

Agency Interest # 1321

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## Permit To Construct Air Emissions Equipment

Mississippi Power Company, Plant Victor J Daniel

Subject Item Inventory

Permit Number:1280-00090

Activity ID No.: PER20140001

### Subject Item Inventory:

ID	Designation	Description
AI1321	1321	Power Plant
EQPT35	AA-034	Activated Carbon Storage Silo Equipped with Bin Vent Filters
EQPT36	AA-035	Activated Carbon Storage Silo Equipped with Bin Vent Filters

### Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 1321 Power Plant	Discharges Into	Wetland Adjacent to
	Then Into	Pascagoula River

#### **KEY**

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

## Permit To Construct Air Emissions Equipment

Mississippi Power Company, Plant Victor J Daniel

Facility Requirements

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### AI0000001321 (1321) Power Plant:

#### Submittal/Action Requirements:

Condition No.	Condition
S-1	General Condition: The permittee shall submit certification of construction: Due within thirty (30) days of completion of construction or installation of an approved stationary source or prior to startup, whichever is earlier. The notification shall certify that construction or installation was performed in accordance with the approved plans and specifications. In the event there is any change in construction from the previously approved plans and specifications or permit, the permittee shall promptly notify MDEQ in writing. If MDEQ determines the changes are substantial, MDEQ may require the submission of a new application to construct with "as built" plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an "as built" application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law. [11 Miss. Admin. Code Pt. 2, R. 2.5.D.]
S-2	Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun. [11 Miss. Admin.Code Pt. 2, R.2.5.C(2).]
S-3	The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more. [11 Miss. Admin.Code Pt. 2, R.2.5.C(4).]

#### Narrative Requirements:

##### General Condition:

Condition No.	Condition
T-1	General Condition: The stationary source shall be designed and constructed so as to operate without causing a violation of any Applicable Rules and Regulations or this permit, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries. [11 Miss. Admin.Code Pt. 2, R.2.5.A.]
T-2	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49_17_29 1.b]
T-3	General Condition: The necessary facilities shall be constructed so that solids removed in the course of control of air emissions may be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering State waters without the proper environmental permits. [Miss. Code Ann. 49_17_29]

## Permit To Construct Air Emissions Equipment

Mississippi Power Company, Plant Victor J Daniel

Facility Requirements

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### AI0000001321 (continued):

#### Narrative Requirements:

##### General Condition:

Condition No.	Condition
T-4	General Condition: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed except as provided for in Regulation 11 Miss. Admin. Code Pt.2, R. 1.10 "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [11 Miss. Admin. Code Pt. 2, R. 1.10]
T-5	General Condition: The permittee shall allow the Mississippi Environmental Quality Commission, the Mississippi Environmental Quality Permit Board, MDEQ staff and/or their authorized representatives, upon the presentation of credentials: a. To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit; and b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring equipment or monitoring method required in this permit, and to sample any air emission. [Miss. Code Ann. 49_17_21]
T-6	General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for good cause shown including, but not limited to, the following: a. Persistent violation of any terms or conditions of this permit; b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or c. A change in any condition that requires either a temporary or permanent reduction or elimination of previously authorized air emissions. [11 Miss. Admin.Code Pt. 2, R.2.2.C.]
T-7	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49_17_39]
Condition No.	Condition
T-8	General Condition:This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R.2.1.D.]
T-9	General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for operating without a valid permit pursuant to State Law. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]

## Permit To Construct Air Emissions Equipment

Mississippi Power Company, Plant Victor J Daniel

Facility Requirements

Permit Number:1280-00090

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### AI0000001321 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-10	General Condition: It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits. [11 Miss. Admin.Code Pt. 2, R.2.1.D(6).]
T-11	General Condition: The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities. [11 Miss. Admin.Code Pt. 2, R.2.1.D(7).]
T-12	General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit, unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]
T-13	General Condition: The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-14	General Condition: The permit does not convey any property rights of any sort, or any exclusive privilege. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(c).]
T-15	General Condition: The permittee shall furnish to the DEQ within a reasonable time any information the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(d).]
T-16	General Condition: This permit shall not be transferred except upon approval of the Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.16.B.]
T-17	General Condition: The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin.Code Pt. 2, R.1.1.D(7).]
T-18	General Condition: The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more. [11 Miss. Admin.Code Pt. 2, R.2.5.C(1).]

## Permit To Construct Air Emissions Equipment

Mississippi Power Company, Plant Victor J Daniel

Facility Requirements

Permit Number:1280-00090

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### AI0000001321 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-19	General Condition: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. [11 Miss. Admin.Code Pt. 2, R.2.5.D(3).]
T-20	General Condition: Except as prohibited in 11 Miss. Admin. Code Pt. 2,R. 2.5.D(7) after certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by APC-S-2, Section XIII.G. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).]
T-21	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7), the application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).]
T-22	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7), upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).]
T-23	General Condition: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to net out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities. [11 Miss. Admin.Code Pt. 2, R.2.5.D(7).]

## Permit To Construct Air Emissions Equipment

Mississippi Power Company, Plant Victor J Daniel

Facility Requirements

Permit Number:1280-00090

Activity ID No.: PER20140001

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### AI0000001321 (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"><li>1. detailed description of testing procedures;</li><li>2. sample calculation(s);</li><li>3. results; and</li><li>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)&amp;(6).]</li></ol>
T-25	<p>General Condition: The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum. [11 Miss. Admin.Code Pt. 2, R.2.5.A(4).]</p>



## Permit To Construct Air Emissions Equipment

Mississippi Power Company, Plant Victor J Daniel

Facility Requirements

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### EQPT0000000035 (AA-034) Activated Carbon Storage Silo Equipped with Bin Vent Filters:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		Emission Point AA-034, the ACI Silo Bin Vent shall only be operated with emissions routed to a bin vent filter. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For the ACI Silo Bin Vent equipped with bin vent filters, the permittee shall conduct visual observations for visible emissions from the bin vent filter, monthly. Observations shall be conducted for at least one minute for each bin vent filter while materials are being unloaded to the silo. If any visible emission are noted, the permittee shall immediately inspect the filter and determine the cause of the visible emissions and any corrective measures needed to eliminate the visible emissions. The emission point ID, date, time, and any visible emissions noted shall be recorded for each observation, and any corrective measure taken to eliminate any visible emissions shall be noted. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	The emission point ID, date, time, and any visible emissions noted shall be recorded for each visible observation, and any corrective measures taken to eliminate any visible emissions shall be recorded. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

## Permit To Construct Air Emissions Equipment

Mississippi Power Company, Plant Victor J Daniel

Facility Requirements

Permit Number:1280-00090

Activity ID No.: PER20140001

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### EQPT0000000036 (AA-035) Activated Carbon Storage Silo Equipped with Bin Vent Filters:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		Emission Point AA-035, the ACI Silo Bin Vent shall only be operated with emissions routed to a bin vent filter. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For the ACI Silo Bin Vent equipped with bin vent filters, the permittee shall conduct visual observations for visible emissions from the bin vent filter, monthly. Observations shall be conducted for at least one minute for each bin vent filter while materials are being unloaded to the silo. If any visible emission are noted, the permittee shall immediately inspect the filter and determine the cause of the visible emissions and any corrective measures needed to eliminate the visible emissions. The emission point ID, date, time, and any visible emissions noted shall be recorded for each observation, and any corrective measure taken to eliminate any visible emissions shall be noted. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	The emission point ID, date, time, and any visible emissions noted shall be recorded for each visible observation, and any corrective measures taken to eliminate any visible emissions shall be recorded. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

## GENERAL INFORMATION

Mississippi Power Company, Plant Victor J Daniel  
13201 Highway 63 North  
Moss Point, MS  
Jackson County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
1321	Mississippi Power Company, A Southern Company	Official Site Name	1/15/1993	
2805900090	Mississippi Power Co, Plant Vic Daniel	Air-AIRS AFS	10/12/2000	
MSD093546729	MPC Daniel Electric Generating Plant	Hazardous Waste-EPA ID	3/9/1998	
128000090	Mississippi Power Company, Plant Victor J Daniel	Air-Construction	12/31/1998	
128000090	Mississippi Power Company, Plant Victor J Daniel	Air-Title V Operating	2/4/2000	2/1/2005
MSR101249	Mississippi Power Company, Plant Victor J Daniel	GP-Construction	1/26/1999	4/21/2000
MSR000395	Mississippi Power Company, Plant Victor J Daniel	GP-Baseline	11/10/1992	1/17/2001
MSR101249	Mississippi Power Company, Plant Victor J Daniel	GP-Construction	4/21/2000	10/2/2001
MS0024511	Mississippi Power Company, Plant Victor J Daniel	Water - NPDES	12/10/1997	12/1/2002
MSR000395	Mississippi Power Company, Plant Victor J Daniel	GP-Baseline	1/17/2001	1/17/2006
MSR100106	Mississippi Power Company	GP-Construction	3/3/1993	3/15/1995
MS0024511	Mississippi Power Company, Plant Victor J Daniel	Water - NPDES	12/3/2003	11/30/2008
SW0300040490	Mississippi Power Company	SolidWaste - NonMSW Landfill	12/1/2003	11/30/2013
128000090	Mississippi Power Company, Daniel Electric Generating Plant	Air-Acid Rain	8/2/2004	12/31/2004
SW0300040527	Mississippi Power Company, Daniel Electric Generating Plant Ash Management	SolidWaste - NonMSW Landfill	11/21/2005	10/31/2015
MSR000395	Mississippi Power Company, Plant Victor J Daniel	GP-Baseline	1/17/2006	9/30/2010
MSR104006	Mississippi Power Company, Plant Victor J Daniel	GP-Construction	3/6/2006	3/21/2007
128000090	Mississippi Power Company, Plant Victor J Daniel	Air-Title V Fee Customer	2/4/2000	
1321-001	Mississippi Power V.J. Daniels	GARD	3/27/1984	
128000090	Mississippi Power Company, Daniel Electric Generating Plant	Air-Acid Rain	1/1/2008	12/31/2012
128000090	Mississippi Power Company Daniel Electric Generating Plant	Air-Title V Operating	1/18/2008	12/31/2012
128000090	Mississippi Power Company, Plant Victor J Daniel	Air-Construction	10/9/2008	
MS0024511	Mississippi Power Company, Plant Victor J Daniel	Water - NPDES	1/14/2009	12/31/2013

## GENERAL INFORMATION

ID	Alternate/Historic Name	User Group	Start Date	End Date
MSR105389	Mississippi Power Company, A Southern Company, Plant Victor J Daniel	GP-Construction	2/18/2009	5/31/2010
128000090	Mississippi Power Company, Plant Victor J Daniel	Air-Construction	1/4/2010	
WQC1996011	Mississippi Power Company, Transmission Lines	WQC Number	2/6/1996	
MS9600160F	Mississippi Power Company, Transmission Lines	COE Public Notice/ Permit Number	2/6/1996	3/4/1996
MS9300025V	Mississippi Power Company, Coal Handling Facility	COE Public Notice/ Permit Number	1/21/1993	2/22/1993
WQC1993013	Mississippi Power Company, Coal Handling Facility	WQC Number	2/24/1993	
MS93000018V	Mississippi Power Company, Road Construction	COE Public Notice/ Permit Number	1/15/1993	2/1/1993
WQC1992155	Mississippi Power Company, Road Construction	WQC Number	2/1/1993	
6073	Mississippi Power Company, Plant Victor J Daniel	Air: ORIS ID	10/26/2010	
MSR000395	Mississippi Power Company, Plant Victor J Daniel	GP-Baseline	1/10/2011	9/28/2015
MSR105915	Mississippi Power Company, A Southern Company, Plant Victor J Daniel, FGD	GP-Construction	3/21/2011	12/31/2015
MSR105389	Mississippi Power Company, A Southern Company, Plant Victor J Daniel	GP-Construction	4/13/2011	5/1/2013
128000090	Mississippi Power Company, Plant Victor J Daniel	Air-Construction	12/7/2011	
MSR105915	Mississippi Power Company, A Southern Company, Plant Victor J Daniel, FGD	GP-Construction	12/28/2012	12/31/2015
SW0300040559	Mississippi Power Company, Plant Daniel Gypsum Storage Facility	SolidWaste - NonMSW Landfill	2/12/2013	1/31/2023
WQC2011047	Mississippi Power Company, Plant Victor J Daniel	WQC Number	2/12/2013	
MSR105389	Mississippi Power Company, A Southern Company, Plant Victor J Daniel (FGD	GP-Construction	5/1/2013	12/31/2015
1321	Electric Generation Power Plant (Water Lab)	Air-Notification	10/29/2013	
1321	Mississippi Power Company, Plant Daniel Units 1&2 Control Room	Air-Notification	11/15/2013	
128000090	Mississippi Power Company, Plant Victor J Daniel	Air-Construction	6/6/2014	

**Basin:** Pascagoula River Basin

**Location Description:**