



**State of Mississippi**



**AIR POLLUTION CONTROL PERMIT**

**Permit To Construct Air Emissions Equipment**

**THIS CERTIFIES**

**Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
Old Highway 24  
Gloster, MS  
Amite County**

has been granted permission to construct air emissions equipment to comply with the emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

**Mississippi Environmental Quality Permit Board**

---

**Mississippi Department of Environmental Quality**

Issued/Modified: NOV 26 2012

Expires:

Permit No. 0080-00031

Agency Interest # 57796

## Table of Contents

|                             |     |
|-----------------------------|-----|
| Subject Item Inventory..... | i   |
| Facility Requirements.....  | 1   |
| General Information.....    | A-1 |
| Other Relevant Documents:   |     |

## Permit To Construct Air Emissions Equipment

Amite BioEnergy LLC, Wood Pellet Manufacturing Facility

Subject Item Inventory

Permit Number:0080-00031

Activity ID No.: PER20120001

### Subject Item Inventory:

| ID      | Designation | Description   |
|---------|-------------|---|
| EQPT1   | AA-001      | Chip Dryer with 225 MMBTU/hr wood furnace and 221 MMBTU/hr natural gas back-up heat source. Emissions are controlled by a wet ESP and a 24 MMBTU/hr Regenerative Thermal Oxidizer (RTO). (Facility Ref. No. EP-1) |
| EQPT3   | AA-002      | Dryer Feed Bin with bin vent (Facility Ref. No. EP-2)   |
| EQPT4   | AA-003      | Dry Material Feed Silo with bin vent (Facility Ref. No. EP-3)   |
| EQPT5   | AA-004      | Hammermill Pneumatic System Vent with cyclone (Facility Ref. No. EP-4)  |
| EQPT6   | AA-005      | Pellet Mill Silo with bin vent (Facility Ref. No. EP-5)   |
| EQPT7   | AA-006      | Pellet Mill Silo with bin vent (Facility Ref. No. EP-6)   |
| EQPT16  | AA-007      | Pellet Screen Fines with return cyclone no. 1 (Facility Ref. No. EP-7)  |
| EQPT17  | AA-008      | Pellet Screen Fines with return cyclone no. 2 (Facility Ref. No. EP-8)  |
| EQPT8   | AA-009      | Pellet Cooler with cyclone (Facility Ref. No. EP-9)   |
| EQPT9   | AA-010      | Pellet Cooler with cyclone (Facility Ref. No. EP-10)  |
| EQPT10  | AA-011      | Pellet Cooler with cyclone (Facility Ref. No. EP-11)  |
| EQPT11  | AA-012      | Pellet Cooler with cyclone (Facility Ref. No. EP-12)  |
| EQPT12  | AA-013      | Pellet Cooler with cyclone (Facility Ref. No. EP-13)  |
| EQPT13  | AA-014      | Pellet Tempering Silo No. 1 Vent (Facility Ref. No. EP-14)  |
| EQPT14  | AA-015      | Pellet Tempering Silo No. 2 Vent (Facility Ref. No. EP-15)  |
| EQPT15  | AA-016      | Final Pellet Screen Fines with pneumatic system filter (Facility Ref. No. EP-16)  |
| EQPT2   | AA-017      | Wood Rechipper with cyclone (Facility Ref. No. EP-17)   |
| AI57796 |             |   |
| EQPT19  | AA-018      | 250 hp Fire Pump Engine   |

## Permit To Construct Air Emissions Equipment

Amite BioEnergy LLC, Wood Pellet Manufacturing Facility

Subject Item Inventory

Permit Number:0080-00031

Activity ID No.: PER20120001

| ID     | Designation | Description                                |
|--------|-------------|--|
| EQPT20 | AA-019      | 600 kW Emergency Diesel Generator (805 hp) |

### Subject Item Groups:

| ID    | Description       | Components   |
|-------|-------------------|--|
| GRPT1 | Emergency Engines | EQPT19 250 hp Fire Pump Engine<br>EQPT20 600 kW Emergency Diesel Generator (805 hp)  |
| GRPT2 |                   | EQPT3 Dryer Feed Bin with bin vent (Facility Ref. No. EP-2)<br>EQPT4 Dry Material Feed Silo with bin vent (Facility Ref. No. EP-3)<br>EQPT5 Hammermill Pneumatic System Vent with cyclone (Facility Ref. No. EP-4)<br>EQPT6 Pellet Mill Silo with bin vent (Facility Ref. No. EP-5)<br>EQPT7 Pellet Mill Silo with bin vent (Facility Ref. No. EP-6)<br>EQPT16 Pellet Screen Fines with return cyclone no. 1 (Facility Ref. No. EP-7)<br>EQPT17 Pellet Screen Fines with return cyclone no. 2 (Facility Ref. No. EP-8)<br>EQPT8 Pellet Cooler with cyclone (Facility Ref. No. EP-9)<br>EQPT9 Pellet Cooler with cyclone (Facility Ref. No. EP-10)<br>EQPT10 Pellet Cooler with cyclone (Facility Ref. No. EP-11)<br>EQPT11 Pellet Cooler with cyclone (Facility Ref. No. EP-12)<br>EQPT12 Pellet Cooler with cyclone (Facility Ref. No. EP-13)<br>EQPT13 Pellet Tempering Silo No. 1 Vent (Facility Ref. No. EP-14)<br>EQPT14 Pellet Tempering Silo No. 2 Vent (Facility Ref. No. EP-15)<br>EQPT15 Final Pellet Screen Fines with pneumatic system filter (Facility Ref. No. EP-16)<br>EQPT2 Wood Rechipper with cyclone (Facility Ref. No. EP-17) |

#### KEY

ACT = Activity

AREA = Area

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

## **Permit To Construct Air Emissions Equipment**

Amite BioEnergy LLC, Wood Pellet Manufacturing Facility

Subject Item Inventory

Permit Number:0080-00031

Activity ID No.: PER20120001

### **KEY**

CONT = Control Device

IA = Insignificant Activity

RPNT = Release Point

EQPT = Equipment

MAFO = Animal Feeding Operation

TRMT = Treatment

**Permit To Construct Air Emissions Equipment**  
 Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
 Facility Requirements  
 Permit Number:0080-00031  
 Activity ID No.: PER20120001

**EQPT0000000001 (AA-001) Chip Dryer with 225 MMBTU/hr wood furnace and 221 MMBTU/hr natural gas back-up heat source. Emissions are controlled by a wet ESP and a 24 MMBTU/hr Regenerative Thermal Oxidizer (RTO). (Facility Ref. No. EP-1):**

Limitation Requirements:

| Condition No. | Parameter          | Condition  |
|---------------|--------------------|--|
| L-1           | Particulate Matter | <p>Particulate Matter: For Emission Point AA-001, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations with equal to or greater than 10 million BTU per hour heat input but less than 10,000 million BTU per hour heat input shall not exceed an emission rate as determined by the relationship:</p> $E = 0.8808 * I^{-0.1667}$ <p>where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of BTU per hour. [APC-S-1 4.a(2)]</p> |
| L-2           | Nitrogen oxides    | For Emission Point AA-001, the permittee shall have emissions of Nitrogen oxides <= 240 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.  |
| L-3           | Opacity            | Opacity: No person shall cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity except as provided for in APC-S-1, Section 3.1(b) and (c). [APC-S-1 3.1]  |
| L-4           | Sulfur Dioxide     | Sulfur Dioxide: For Emission Point AA-001, the maximum discharge of sulfur dioxide emissions from any modified fuel burning unit whose generation capacity is less than 250 million BTU per hour and in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 2.4 pounds (measured as sulfur dioxide) per million BTU heat input. [APC-S-1 4.1(c)]  |
| L-5           | VOC                | For Emission Point AA-001, the permittee shall have emissions of VOC <= 40 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.   |
| L-6           |                    | For Emission Point AA-001, the permittee shall not exceed the heat input rate for the dryer and furnace combined of 225 MMBTU/hr as measured with a 3-hour block average. The 225 MMBTU/hr does not include the heat input associated with operation of the 24 MMBTU/hr RTO burner. [APC-S-2 II.B(10)]   |

**Permit To Construct Air Emissions Equipment**  
 Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
 Facility Requirements  
 Permit Number:0080-00031  
 Activity ID No.: PER20120001

**EQPT0000000001 (continued):**

**Monitoring Requirements:**

| Condition No. | Parameter | Condition   |
|---------------|-----------|---|
| M-1           |           | <p>For Emission Point AA-001, the permittee shall demonstrate compliance with PM, PM10, NOx, CO, VOC, and HCl emission limitations by stack testing in accordance with EPA Test Methods 1 through 5, 201 or 201A, 7, 10, 25 or 25A, and 26 respectively and the procedures outlined below:</p> <ul style="list-style-type: none"> <li>a. The initial performance test shall be performed within 180 DAYS AFTER initial start-up of permitted equipment.</li> <li>b. The test must be conducted in accordance with test methods specified within this permit or by an approved equivalent method.</li> <li>c. Testing must be performed at the maximum capacity of the system or at a capacity representative of its normal operation if maximum capacity cannot be achieved.</li> <li>d. A notification of intent to conduct the performance test must be submitted to the Office of Pollution Control sixty (60) days prior to the scheduled test date.</li> <li>e. A written test protocol must be submitted at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the office of pollution control. If needed, the permittee may request a pretest conference to discuss the test methods and procedures. The pretest conference should be scheduled at least thirty (30) days prior to the test date.</li> <li>f. A notification of the scheduled test date(s) should be submitted ten (10) days prior to the scheduled date(s) so that an observer may be afforded the opportunity to witness the test(s)</li> <li>g. The performance test results must be submitted to the Office of Pollution Control (OPC) within 60 days following compliance demonstration test. [APC-S-2 II.B(10)]</li> </ul> |
| M-2           |           | <p>The permittee shall calculate the VOC destruction efficiency through the WESP and the RTO and calculate the formaldehyde emitted after the control devices. These emissions shall be included with the stack test report required by Condition M-1(EQPT-001). [APC-S-2 II.B(10)]</p>   |

**Record-Keeping Requirements:**

| Condition No. | Condition   |
|---------------|---|
| R-1           | <p>For Emission Point AA-001, the permittee shall keep a record of the heat input on a continuous basis in order to demonstrate compliance with the heat input limitation on a 3-hour block average. A summary report shall be submitted by January 31 and July 31 for the preceding six month period. [APC-S-2 II.B(10)]</p> |

**Permit To Construct Air Emissions Equipment**  
Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
Facility Requirements  
Permit Number:0080-00031  
Activity ID No.: PER20120001

**EQPT0000000001 (continued):**

Narrative Requirements:

---

| Condition | Condition  |
|-----------|--|
| T-1       | <p>Beginning on ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants for Emission Point AA-001, the Chip Dryer with 225 MMBTU/hr wood furnace and 221 MMBTU/hr natural gas back-up heat source. Emissions are controlled by a wet ESP and a regenerative thermal oxidizer. (Facility Ref. No. EP-1).</p> <p>The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified elsewhere in this permit. Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 ILB(10)]</p> |

**Permit To Construct Air Emissions Equipment**  
 Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
 Facility Requirements  
 Permit Number:0080-00031  
 Activity ID No.: PER20120001

**AI0000057796:**

**Limitation Requirements:**

| Condition No. | Parameter                                     | Condition  |
|---------------|---|--|
| L-1           | Carbon Dioxide Equivalent (CO <sub>2</sub> e) | For the entire facility the permittee shall have emissions of nonbiogenic Carbon Dioxide Equivalent (CO <sub>2</sub> e) <= 99900 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum. |
| L-2           | Carbon Monoxide                               | For the entire facility, the permittee shall have emissions of Carbon Monoxide <= 249 tons/yr. [APC-S-1 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.  |
| L-3           | Particulate Matter                            | For the entire facility the permittee shall have emissions of Particulate Matter <= 249 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.  |
| L-4           | Formaldehyde                                  | For the entire facility, the permittee shall have emissions of Formaldehyde <= 9.9 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.   |
| L-5           | Hydrochloric acid (HCl)                       | For the entire facility, the permittee shall have emissions of Hydrochloric acid (HCl) <= 9.9 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.                                    |
| L-6           | Nitrogen oxides                               | For the entire facility the permittee shall have emissions of Nitrogen oxides <= 249 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.   |
| L-7           | VOC   | For entire facility, the permittee shall have emissions of VOC <= 249 tons/yr. [APC-S-2 II.B(10)] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Annual Maximum.  |

**Record-Keeping Requirements:**

**Carbon Dioxide Equivalent (CO<sub>2</sub>e):**

| Condition No. | Condition   |
|---------------|---|
| R-1           | Carbon Dioxide Equivalent (CO <sub>2</sub> e): For the entire facility, the permittee shall calculate nonbiogenic carbon dioxide equivalent emissions on a 12 month rolling average to demonstrate compliance with the facility wide permit limitation. The information shall be submitted in report form no later than January 31 and July 31 of the previous six month period. [APC-S-2 II.B(10)] |

**Permit To Construct Air Emissions Equipment**  
Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
Facility Requirements  
Permit Number:0080-00031  
Activity ID No.: PER20120001

**AI0000057796 (continued):**

**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)]  |

**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]   |

**Permit To Construct Air Emissions Equipment**  
 Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
 Facility Requirements  
 Permit Number:0080-00031  
 Activity ID No.: PER20120001

**AI0000057796 (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 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:<br>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<br>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]   |

---

| 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)] |

**Permit To Construct Air Emissions Equipment**  
Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
Facility Requirements  
Permit Number:0080-00031  
Activity ID No.: PER20120001

**AI0000057796 (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. [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]   |
| 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)]  |

**Permit To Construct Air Emissions Equipment**  
Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
Facility Requirements  
Permit Number:0080-00031  
Activity ID No.: PER20120001

**AI0000057796 (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. [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)]  |
| T-24          | General Condition: Regarding compliance testing:<br>(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.<br>(b) Compliance testing will be performed at the expense of the permittee.<br>(c) Each emission sampling and analysis report shall include but not be limited to the following:<br>1. detailed description of testing procedures;<br>2. sample calculation(s);<br>3. results; and<br>4. 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)] |

**Permit To Construct Air Emissions Equipment**  
Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
Facility Requirements  
Permit Number:0080-00031  
Activity ID No.: PER20120001

**AI0000057796 (continued):**

Narrative Requirements:

---

| Condition No. | Condition  |
|---------------|--|
| T-25          | 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)]   |
| T-26          | For the entire facility, the permittee shall keep all control devices (as described in the equipment descriptions and the permit application) in service at all times the related production equipment is in operation. [APC-S-2 II.B(10)]   |
| T-27          | Any exceedance of the limitations outlined in this permit shall be reported to MDEQ no later than seven (7) days following the occurrence. [APC-S-2 II.B(10)]  |
| T-28          | Upon certification of construction and commencement of operation, a summary of any recordkeeping required by this permit must be submitted to this office on a semi-annual basis. The summary report shall be submitted by January 31 and July 31 for the preceding six month period. [APC-S-2 II.B(10)] |

**Permit To Construct Air Emissions Equipment**  
 Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
 Facility Requirements  
 Permit Number:0080-00031  
 Activity ID No.: PER20120001

**GRPT000000001 (AA-100) Emergency Engines:**

Limitation Requirements:

| Condition No. | Parameter          | Condition   |
|---------------|--------------------|---|
| L-1           | Particulate Matter | Particulate Matter: For Emission Point AA-001, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations less than 10 million BTU per hour heat input per hour shall not exceed 0.6 pounds per million BTU per hour heat input. [APC-S-1 4.a(1)]         |
| L-2           | Opacity            | Opacity: No person shall cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity except as provided for in APC-S-1, Section 3.1(b) and (c). [APC-S-1 3.1] |

Narrative Requirements:

| Condition No. | Condition  |
|---------------|--|
| T-1           | For Emission Points AA-018 and AA-019, The permittee is subject to and shall comply with all applicable terms and conditions of the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60 Subpart IIII. [40 CFR 60_Subpart IIII]                   |
| T-2           | For Emission Points AA-018 and AA-019, The permittee is subject to and shall comply with all applicable terms and conditions of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63 Subpart ZZZZ. [40 CFR 63_Subpart ZZZZ] |
| T-3           | Beginning on ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants for Emission Points AA-018 and AA-019, the 250 hp Fire Pump Engine and 600 kW Emergency Diesel Generator (805 hp).   |

The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified elsewhere in this permit. Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]

**Permit To Construct Air Emissions Equipment**  
 Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
 Facility Requirements  
 Permit Number:0080-00031  
 Activity ID No.: PER20120001

**GRPT000000002 (AA-101):**

Limitation Requirements:

| Condition No. | Parameter | Condition   |
|---------------|-----------|---|
| L-1           | Opacity   | Opacity: No person shall cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity except as provided for in APC-S-1, Section 3.1(b) and (c). [APC-S-1 3.1] |

Monitoring Requirements:

| Condition No. | Parameter | Condition   |
|---------------|-----------|---|
| M-1           |           | <p>For Emission Points AA-002, AA-003, AA-004, AA-005, AA-006, AA-007, AA-008, AA-009, AA-010, AA-011, AA-012, AA-013, AA-014, AA-015, AA-016, and AA-017, the permittee shall conduct weekly observations for visible emissions. If visible emissions are observed from the emission point (six-minute interval), the permittee shall conduct visible emission evaluations (VEE) in accordance with EPA Reference Method 9. The permittee shall maintain records of weekly visible emissions observations and any VEEs that are performed in log book form. A summary report shall be submitted by January 31 and July 31 for the preceeding six month period.</p> <p>The permittee may perform the observations on multiple stacks at the same time, where multiple stacks can be viewed simultaneously. [APC-S-2 II.B(10)]</p> |
| M-2           |           | <p>For equipment associated with Emission Points AA-002, AA-003, AA-004, AA-005, AA-006, AA-007, AA-008, AA-009, AA-010, AA-011, AA-012, AA-013, AA-014, AA-015, AA-016, and AA-017 (including all cyclones), the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. The permittee shall maintain records in log book form. A summary report shall be submitted by January 31 and July 31 for the preceeding six month period.</p> <p>The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]</p>  |

**Permit To Construct Air Emissions Equipment**  
 Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
 Facility Requirements  
 Permit Number:0080-00031  
 Activity ID No.: PER20120001

**GRPT0000000002 (continued):**

**Monitoring Requirements:**

| Condition No. | Parameter | Condition  |
|---------------|-----------|--|
| M-3           |           | <p>For equipment associated with Emission Points AA-004, AA-009, AA-010, AA-011, AA-012, AA-013, and AA-017 (including all cyclones), the permittee shall demonstrate compliance with PM emission limitations by stack testing in accordance with EPA Test Methods 1-5 and the procedures outlined below:</p> <ol style="list-style-type: none"> <li>a. The initial performance test shall be performed within 180 DAYS AFTER initial start-up of permitted equipment.</li> <li>b. The test must be conducted in accordance with test methods specified within this permit or by an approved equivalent method.</li> <li>c. Testing must be performed at the maximum capacity of the system or at a capacity representative of its normal operation if maximum capacity cannot be achieved.</li> <li>d. A notification of intent to conduct the performance test must be submitted to the Office of Pollution Control sixty (60) days prior to the scheduled test date.</li> <li>e. A written test protocol must be submitted at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the office of pollution control. If needed, the permittee may request a pretest conference to discuss the test methods and procedures. The pretest conference should be scheduled at least thirty (30) days prior to the test date.</li> <li>f. A notification of the scheduled test date(s) should be submitted ten (10) days prior to the scheduled date(s) so that an observer may be afforded the opportunity to witness the test(s)</li> <li>g. The performance test results must be submitted to the Office of Pollution Control (OPC) within 60 days following compliance demonstration test</li> <li>i. The permittee may request to stack test only one or more of these emission points where identical units are installed and would be shown to be representative. [APC-S-2 II.B(10)]</li> </ol> |

**Permit To Construct Air Emissions Equipment**  
Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
Facility Requirements  
Permit Number:0080-00031  
Activity ID No.: PER20120001

**GRPT0000000002 (continued):**

**Narrative Requirements:**

**Particulate Matter:**

---

| Condition No. | Condition   |
|---------------|---|
| T-1           | <p>Particulate Matter: For Emission Points AA-002, AA-003, AA-004, AA-005, AA-006, AA-007, AA-008, AA-009, AA-010, AA-011, AA-012, AA-013, AA-014, AA-015, AA-016, and AA-017 except as otherwise specified, no person shall cause, permit, or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship</p> $E = 4.1 p^{0.67}$ <p>Where E is the emission rate in pounds per hour and p is process weight input rate in tons per hour. [APC-S-1 3.6(a)]</p> |

---

| Condition No. | Condition  |
|---------------|--|
| T-2           | <p>Beginning on ISSUANCE DATE, the permittee is authorized to construct air emissions equipment for the emission of air contaminants for Emission Points AA-002, AA-003, AA-004, AA-005, AA-006, AA-007, AA-008, AA-009, AA-010, AA-011, AA-012, AA-013, AA-014, AA-015, AA-016, and AA-017 (including all cyclones).</p> <p>The air emissions equipment shall be constructed to comply with the emission limitations and monitoring requirements specified elsewhere in this permit. Such air emissions equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]</p> |

## GENERAL INFORMATION

Amite BioEnergy LLC, Wood Pellet Manufacturing Facility  
Old Highway 24  
Gloster, MS  
Amite County

### Alternate/Historic Identifiers

| ID        | Alternate/Historic Name                                  | User Group         | Start Date | End Date   |
|-----------|--|--------------------|------------|------------|
| 57796     | Amite BioEnergy, LLC, Wood Pellet Manufacturing Facility | Official Site Name | 6/8/2012   |            |
| MSR106274 | Amite BioEnergy, LLC, Wood Pellet Manufacturing Facility | GP-Construction    | 11/26/2012 | 12/31/2015 |
| 008000031 | Amite BioEnergy, LLC, Wood Pellet Manufacturing Facility | Air-Construction   | 11/26/2012 |            |

**Basin:** South Independent Streams Basin

### Location Description: