

**STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
TITLE V PERMIT**

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

**Jack Batte & Sons, Inc.
221 Smith County Road 35-9
Forest, Mississippi
Smith County**

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with Title V of the Federal Clean Air Act (42 U.S.C.A. § 7401 - 7671) and 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.

Permit Issued: November 10, 2015

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD



AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Modified: NOV 30 2017

Expires: October 30, 2020

Permit No.: 2500-00012

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APPENDIX A LIST OF ABBREVIATIONS USED IN THIS PERMIT

SECTION 1. GENERAL CONDITIONS

- 1.1 The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Federal Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(a).)
- 1.2 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(b).)
- 1.3 This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. 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. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(c).)
- 1.4 (a) This permit shall be reopened and revised under any of the following circumstances:
- (1) Additional applicable requirements under the Federal Act become applicable to a major Title V source with a remaining permit term of 3 or more years. Such a reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended.
 - (2) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
 - (3) The Permit Board or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or other terms or conditions of the permit.
 - (4) The Administrator or the Permit Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (b) Proceedings to reopen and issue this permit shall follow the same procedures as apply to initial permit issuance and shall only affect those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

- (c) Reopenings shall not be initiated before a notice of such intent is provided to the Title V source by the DEQ at least 30 days in advance of the date that the permit is to be reopened, except that the Permit Board may provide a shorter time period in the case of an emergency. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.G)
- 1.5 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 permittee or, for information to be confidential, the permittee shall furnish such records to DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(e).)
- 1.6 This permit does not convey any property rights of any sort, or any exclusive privilege. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(d).)
- 1.7 The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(5).)
- 1.8 The permittee shall pay to the DEQ an annual permit fee. The amount of fee shall be determined each year based on the provisions of regulated pollutants for fee purposes and the fee schedule specified in the Commission on Environmental Quality's order which shall be issued in accordance with the procedure outlined in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 6.
 - (a) For purposes of fee assessment and collection, the permittee shall elect for actual or allowable emissions to be used in determining the annual quantity of emissions unless the Commission determines by order that the method chosen by the applicant for calculating actual emissions fails to reasonably represent actual emissions. Actual emissions shall be calculated using emission monitoring data or direct emissions measurements for the pollutant(s); mass balance calculations such as the amounts of the pollutant(s) entering and leaving process equipment and where mass balance calculations can be supported by direct measurement of process parameters, such direct measurement data shall be supplied; published emission factors such as those relating release quantities to throughput or equipment type (e.g., air emission factors); or other approaches such as engineering calculations (e.g., estimating volatilization using published mathematical formulas) or best engineering judgments where such judgments are derived from process and/or emission data which supports the estimates of maximum actual emission. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).)
 - (b) If the Commission determines that there is not sufficient information available on a facility's emissions, the determination of the fee shall be based upon the

permitted allowable emissions until such time as an adequate determination of actual emissions is made. Such determination may be made anytime within one year of the submittal of actual emissions data by the permittee. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).) If at any time within the year the Commission determines that the information submitted by the permittee on actual emissions is insufficient or incorrect, the permittee will be notified of the deficiencies and the adjusted fee schedule. Past due fees from the adjusted fee schedule will be paid on the next scheduled quarterly payment time. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D(2).)

- (c) The fee shall be due September 1 of each year. By July 1 of each year the permittee shall submit an inventory of emissions for the previous year on which the fee is to be assessed. The permittee may elect a quarterly payment method of four (4) equal payments; notification of the election of quarterly payments must be made to the DEQ by the first payment date of September 1. The permittee shall be liable for penalty as prescribed by State Law for failure to pay the fee or quarterly portion thereof by the date due. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D.)
 - (d) If in disagreement with the calculation or applicability of the Title V permit fee, the permittee may petition the Commission in writing for a hearing in accordance with State Law. Any disputed portion of the fee for which a hearing has been requested will not incur any penalty or interest from and after the receipt by the Commission of the hearing petition. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.C.)
- 1.9 No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(8).)
- 1.10 Any document required by this permit to be submitted to the DEQ shall contain a certification by a responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.2.E.)
- 1.11 The permittee shall allow the DEQ, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to perform the following:
- (a) Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

- (c) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (d) As authorized by the Federal Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(2).)
- 1.12 Except as otherwise specified or limited herein, the permittee shall have necessary sampling ports and ease of accessibility for any new air pollution control equipment, obtained after May 8, 1970, and vented to the atmosphere. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(1).)
- 1.13 Except as otherwise specified or limited herein, the permittee shall provide the necessary sampling ports and ease of accessibility when deemed necessary by the Permit Board for air pollution control equipment that was in existence prior to May 8, 1970. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(2).)
- 1.14 Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance where such applicable requirements are included and are specifically identified in the permit or where the permit contains a determination, or summary thereof, by the Permit Board that requirements specifically identified previously are not applicable to the source. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(1).)
- 1.15 Nothing in this permit shall alter or affect the following:
- (a) The provisions of Section 303 of the Federal Act (emergency orders), including the authority of the Administrator under that section;
 - (b) The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - (c) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Federal Act.
 - (d) The ability of EPA to obtain information from a source pursuant to Section 114 of the Federal Act.
- (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(2).)
- 1.16 The permittee shall comply with the requirement to register a Risk Management Plan if permittee's facility is required pursuant to Section 112(r) of the Act to register such a plan. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.H.)
- 1.17 Expiration of this permit terminates the permittee's right to operate unless a timely and

complete renewal application has been submitted. A timely application is one which is submitted at least six (6) months prior to expiration of the Title V permit. If the permittee submits a timely and complete application, the failure to have a Title V permit is not a violation of regulations until the Permit Board takes final action on the permit application. This protection shall cease to apply if, subsequent to the completeness determination, the permittee fails to submit by the deadline specified in writing by the DEQ any additional information identified as being needed to process the application. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.C(2), R. 6.4.B., and R. 6.2.A(1)(c).)

1.18 The permittee is authorized to make changes within their facility without requiring a permit revision (ref: Section 502(b)(10) of the Act) if:

- (a) The changes are not modifications under any provision of Title I of the Act;
- (b) The changes do not exceed the emissions allowable under this permit;
- (c) The permittee provides the Administrator and the Department with written notification in advance of the proposed changes (at least seven (7) days, or such other time frame as provided in other regulations for emergencies) and the notification includes:
 - (1) A brief description of the change(s),
 - (2) The date on which the change will occur,
 - (3) Any change in emissions, and
 - (4) Any permit term or condition that is no longer applicable as a result of the change;
- (d) The permit shield shall not apply to any Section 502(b)(10) change.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.F(1).)

1.19 Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule or, in the absence of an approved schedule, with the appropriate requirements specified in 11 Miss. Admin. Code Pt. 2, Ch. 3., "Regulations for the Prevention of Air Pollution Emergency Episodes" for the level of emergency declared. (Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 3.)

1.20 Except as otherwise provided herein, a modification of the facility may require a Permit to Construct in accordance with the provisions of Regulations 11 Miss. Admin. Code Pt. 2, Ch. 2., "Permit Regulations for the Construction and/or Operation of Air

Emissions Equipment", and may require modification of this permit in accordance with Regulations 11 Miss. Admin. Code Pt. 2, Ch. 6., "Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act". Modification is defined as "[a]ny physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:

- (a) Routine maintenance, repair, and replacement;
- (b) Use of an alternative fuel or raw material by reason of an order under Sections 2 (a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;
- (c) Use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;
- (d) use of an alternative fuel or raw material by a stationary source which:
 - (1) The source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or
 - (2) The source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166;
- (e) An increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166; or
- (f) Any change in ownership of the stationary source."

1.21 Any change in ownership or operational control must be approved by the Permit Board. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.D(4).)

1.22 This permit is a Federally approved operating permit under Title V of the Federal Clean Air Act as amended in 1990. All terms and conditions, including any designed to limit the source's potential to emit, are enforceable by the Administrator and citizens under the Federal Act as well as the Commission. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.B(1).)

- 1.23 Except as otherwise specified or limited herein, the open burning of residential, commercial, institutional, or industrial solid waste, is prohibited. This prohibition does not apply to infrequent burning of agricultural wastes in the field, silvicultural wastes for forest management purposes, land-clearing debris, debris from emergency clean-up operations, and ordnance. Open burning of land-clearing debris must not use starter or auxiliary fuels which cause excessive smoke (rubber tires, plastics, etc.); must not be performed if prohibited by local ordinances; must not cause a traffic hazard; must not take place where there is a High Fire Danger Alert declared by the Mississippi Forestry Commission or Emergency Air Pollution Episode Alert imposed by the Executive Director and must meet the following buffer zones.
- (a) Open burning without a forced-draft air system must not occur within 500 yards of an occupied dwelling.
 - (b) Open burning utilizing a forced-draft air system on all fires to improve the combustion rate and reduce smoke may be done within 500 yards of but not within 50 yards of an occupied dwelling.
 - (c) Burning must not occur within 500 yards of commercial airport property, private air fields, or marked off-runway aircraft approach corridors unless written approval to conduct burning is secured from the proper airport authority, owner or operator.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.G.)

- 1.24 Except as otherwise specified herein, the permittee shall be subject to the following provision with respect to emergencies.
- (a) Except as otherwise specified herein, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
 - (b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.
 - (c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:

- (1) An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - (4) The permittee submitted notice of the emergency to the DEQ within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- (d) In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.G.)

1.25 Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, startups, and shutdowns.

- (a) Upsets (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) For an upset, the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:
 - (i) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (ii) The source was at the time being properly operated;
 - (iii) During the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirement of an applicable rules, regulations or permit;
 - (iv) That within 5 working days of the time the upset began; the source

submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;

- (v) That as soon as practicable but no later than 24 hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or caused a general nuisance to the public, the source provided notification to the Department.
 - (2) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
 - (3) This provision is in addition to any upset provision contained in any applicable requirement.
 - (4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third party enforcement actions.
- (b) Startups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows:
 - (2) Where the source is unable to comply with existing emission limitations established under the State Implementation Plan (SIP) and defined in this regulation, 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for startups and shutdowns. Source specific emission limitations or work practice standards established for startups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R.1.10.B(2)(a) through (e).
 - (3) Where an upset as defined in Rule 1.2 occurs during startup or shutdown, see the upset requirements above.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10)

- 1.26 The permittee shall comply with all applicable standards for demolition and renovation activities pursuant to the requirements of 40 CFR Part 61, Subpart M, as adopted by reference in Regulation 11 Miss Admin. Code Pt. 2, R. 1.8. The permittee shall not be

required to obtain a modification of this permit in order to perform the referenced activities. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.8)

SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point	Description
AB-001	26 MMBTU/hour (600HP) Wood Gas-Fired Boiler (equipped with a multi-clone cyclone)
AB-002	22 MMBTU/hour (350HP) Wood Gas-Fired Boiler (equipped with a high-efficiency cyclone)
AB-021	28 MMBTU/hour (600HP) Wood Gas-Fired Boiler (equipped with two soot boxes in series and a high-efficiency cyclone)
AA-003	No. 1 Cyclone (used to transfer sawdust from fuel bin to supply boiler)
AA-005	No. 2 Cyclone (used to transfer sawdust from fuel bin to supply boiler)
AA-004	Planer Shavings Cyclone (used to transfer planer shavings to silo for load-out)
AA-002	No. 1 Dry Kiln (Maximum Design Capacity: 3.8 tons/hour)
AA-006	No. 2 Dry Kiln (Maximum Design Capacity: 4.8 tons/hour)
AA-007	No. 3 Dry Kiln (Maximum Design Capacity: 7.6 tons/hour)
AA-011	No. 4 Dry Kiln (Maximum Design Capacity: 7.6 tons/hour)
AA-013	Log Debarking Operations
AA-009	Mobile Tub Grinder (used to grind wood waste being sent off-site)
AA-008	No. 1 Chipper (used to chip wood waste produced from the end saw, chipping saw, and re-saw within the sawmill area)
AA-012	No. 2 Chipper (used to chip wood waste produced from the edger within the sawmill)
AA-010	Fugitive Road Dust
AA-015	Sawmill Operations
AA-020	Wood Hog (used to trim ends off planer; equipped with a cyclone)

SECTION 3. EMISSION LIMITATIONS & STANDARDS

A. Facility-Wide Emission Limitations & Standards

- 3.A.1 Except as otherwise specified or limited herein, the permittee shall not 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 subject to the exceptions provided in (a) & (b).
- (a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups per stack in any twenty-four (24) hour period.
 - (b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.A.)
- 3.A.2 Except as otherwise specified or limited herein, 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 Paragraph 3.A.1. This shall not apply to vision obscuration caused by uncombined water droplets. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.B.)

B. Emission Point Specific Emission Limitations & Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AB-001 AB-002 AB-021	11 Miss. Admin. Code Pt. 2, R. 1.3.D(2)	3.B.1	Filterable PM	0.30 grains per dry standard cubic foot
	11 Miss Admin Code Pt. 2 R. 2.2.B(10))	3.B.2	Fuel Source	Virgin Wood Waste
	40 CFR Part 60, Subpart Dc (§60.40c(a))	3.B.3		Applicability
AB-001 AB-002	40 CFR Part 63, Subpart JJJJJ (§63.11194(a)(1) and §63.11200(b))	3.B.4	PM	Applicability
AB-021	40 CFR Part 63, Subpart JJJJJ (§63.11194(a)(2) and §63.11200(b))	3.B.5	PM	Applicability
	40 CFR Part 63, Subpart JJJJJ – Table 1	3.B.6	Filterable PM	0.07 pounds per MMBTU of heat input
	40 CFR Part 63, Subpart JJJJJ – Table 3, No. 5	3.B.7	Opacity	≤ 10% (daily block average)
	40 CFR Part 63, Subpart JJJJJ – Table 3, No. 7	3.B.8	Operating Load Limit	< 110% Average Operating Load
AA-003 AA-005 AA-008 AA-012 AA-013	11 Miss. Admin Code Pt. 2, R. 2.2B(10)	3.B.9	PM	$E = 4.1p^{0.67}$
AB-001 AB-002 AB-021 AA-003 AA-004 AA-005 AA-020	11 Miss. Admin Code Pt. 2, R. 2.2B(10)	3.B.10	PM	No Bypass of Control Equipment

- 3.B.1 For Emission Points AB-001, AB-002, and AB-021, the permittee shall not exceed 0.30 grains of filterable particulate matter (PM) per standard dry cubic foot. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(2)).
- 3.B.2 For Emission Points AB-001, AB-002, and AB-021, the permittee shall only utilize “virgin wood waste” as a fuel source. (Ref.: 11 Miss. Admin. Code Pt. 2, R 2.2.B(10))
- 3.B.3 Emission Points AB-001, AB-002, and AB-021 are subject and shall comply with applicable requirements within 40 CFR Part 60, Subpart Dc – Standards of Performance for Small Industrial, Commercial, and Institutional Steam Generating Units. (Ref: 40 CFR § 60.40c(a))
- 3.B.4 Emission Points AB-001 and AB-002 are subject to and shall comply with applicable requirements within 40 CFR Part 63, Subpart JJJJJ – National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources.

Emission Points AB-001 and AB-002 are affected sources under 40 CFR Part 63, Subpart JJJJJ as existing industrial boilers classified under the “biomass” subcategory.

(Ref: 40 CFR §63.11194(a)(1) and §63.11200(b))

- 3.B.5 Emission Points AB-021 are subject to and shall comply with applicable requirements within 40 CFR Part 63, Subpart JJJJJ – National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources.

Emission Point AB-021 is an affected source under 40 CFR Part 63, Subpart JJJJJ as a new or reconstructed industrial boiler classified under the “biomass” subcategory.

(Ref: 40 CFR §63.11194(a)(2) and §63.11200(b))

- 3.B.6 For Emission Point AB-021, the permittee shall comply and not discharge into the atmosphere any gases that contain filterable particulate matter (PM) in excess of 0.070 pounds per million BTUs of heat input. (Ref.: 40 CFR Part 63, Subpart JJJJJ – Table 1)
- 3.B.7 For Emission Point AB-021, which possesses dry add-on air pollution control systems, the permittee shall maintain visible emissions (excluding water droplets) to less than or equal to 10% opacity on a daily block average (i.e. the arithmetic mean of all valid emission concentrations or parameter levels recorded over a 24-hour period). (Ref: 40 CFR Part 63, Subpart JJJJJ – Table 3)

- 3.B.8 For Emission Point AB-021, the permittee shall maintain the operating load such that it does not exceed 110% of the average operating load established for the parameter(s)

recorded (i.e. fuel feed rate and/or steam generation data) during the most recent performance stack test conducted at any time. (Ref.: 40 CFR Part 63, Subpart JJJJJ – Table 3)

- 3.B.9 For Emission Points AA-003, AA-005, AA-008, AA-012, A-013, and AA-020, 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:

$$E = 4.1p^{0.67}$$

Where “*E*” is the emission rate in pounds per hour and “*p*” is the process weight input rate in tons per hour. (Ref.: 11 Miss. Admin. Code Pt. 2, R.1.3.F(1)).

- 3.B.10 For Emission Points AB-001, AB-002, AB-021, AA-003, AA-004, AA-005, and AA-020, the permittee shall not allow emissions to bypass air pollution control equipment associated with an affected source. During a period when applicable control equipment has failed and/or malfunctioned, the permittee shall cease operations from the affected source associated to that specific control equipment. (Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10))

C. Insignificant and Trivial Activity Emission Limitations & Standards

Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.C.1	Filterable PM	0.6 pounds per MMBTU
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2	SO ₂	4.8 pounds per MMBTU

- 3.C.1 The maximum permissible emission of ash and/or particulate matter (filterable only) from fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)
- 3.C.2 The maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).)

D. Work Practice Standards

3.D.1 For Emission Point AB-001 and AB-002, the permittee shall conduct a performance tune-up biennially with each tune-up being completed no more than 25 months after the previous tune-up. The tune-ups shall be conducted in accordance with (a) through (g) below:

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary. Burner inspection may be delayed until the next unit shutdown not to exceed 36 months from previous inspection;
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustments should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. The inspection may be delayed until the next unit shutdown not to exceed 36 months from previous inspection;
- (d) Optimize total emissions of carbon monoxide (CO). This optimization should be consistent with the manufacture's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject;
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made. Measurements may be either on a wet or dry basis, as long as the basis remains the same before and after the adjustments are made. Measurements may be taken using a portable CO analyzer;
- (f) For purposes of recordkeeping and reporting, the permittee shall maintain on-site and submit if requested by MDEQ a report containing the following:
 - (1) The concentration of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load before and after the tune-up of the boiler;
 - (2) A description of any corrective action taken as a part of the tune-up of the boiler;
 - (3) The type and amount of fuel used over the last 12 months prior to tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units using a fuel meter may estimate the fuel by each unit.

(g) If the unit is not operating on the required date for the tune-up, the permittee must

conduct the tune-up within thirty days of startup.

(Ref.: 40 CFR § 63.11223)

- 3.D.2 For Emission Point AB-021, the permittee shall conduct an initial tune-up of the source within 25 months of the initial start-up and biennially thereafter. Subsequent tune-ups shall be conducted no more than 25 months after the previous tune-up. These tune-ups shall be performed in accordance with Condition 3.D.1. (Ref: 40 CFR Part 63.11210(g))
- 3.D.3 For Emission Point AB-021, the permittee must minimize start-up and shutdown periods by following the manufacturer's recommended procedures, if available. If manufacturer's recommended procedures are not available, the permittee must follow recommended procedures for a unit of similar design for which the manufacturer's recommended procedures are available. (Ref: 40 CFR Part 63.11223(g))

SECTION 4. COMPLIANCE SCHEDULE

- 4.1 Unless otherwise specified herein, the permittee shall be in compliance with all requirements contained herein upon issuance of this permit.
- 4.2 Except as otherwise specified herein, the permittee shall submit to the Permit Board and to the Administrator of EPA Region IV a certification of compliance with permit terms and conditions, including emission limitations, standards, or work practices, by January 31 for the preceding calendar year. Each compliance certification shall include the following:
- (a) the identification of each term or condition of the permit that is the basis of the certification;
 - (b) the compliance status;
 - (c) whether compliance was continuous or intermittent;
 - (d) the method(s) used for determining the compliance status of the source, currently and over the applicable reporting period;
 - (e) such other facts as may be specified as pertinent in specific conditions elsewhere in this permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(5)(a), (c), & (d))

SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

A. General Monitoring, Recordkeeping and Reporting Requirements

- 5.A.1 The permittee shall install, maintain, and operate equipment and/or institute procedures as necessary to perform the monitoring and recordkeeping specified below.
- 5.A.2 In addition to the recordkeeping specified below, the permittee shall include with all records of required monitoring information the following:
- (a) the date, place as defined in the permit, and time of sampling or measurements;
 - (b) the date(s) analyses were performed;
 - (c) the company or entity that performed the analyses;
 - (d) the analytical techniques or methods used;
 - (e) the results of such analyses; and
 - (f) the operating conditions existing at the time of sampling or measurement.
- (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(1))
- 5.A.3 Except where a longer duration is specified in an applicable requirement, the permittee shall retain records of all required monitoring data and support information 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 for continuous monitoring instrumentation, and copies of all reports required by the permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2))
- 5.A.4 Except as otherwise specified herein, the permittee shall submit reports of any required monitoring by July 31 and January 31 for the preceding six-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with 11 Miss. Admin. Code Pt. 2, R. 6.2.E. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1))
- 5.A.5 Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) days of the time the deviation began. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(2))

- 5.A.6 Except as otherwise specified herein, the permittee shall perform emissions sampling and analysis in accordance with EPA Test Methods and with any continuous emission monitoring requirements, if applicable. All test methods shall be those versions or their equivalents approved by the DEQ and the EPA.
- 5.A.7 The permittee shall maintain records of any alterations, additions, or changes in equipment or operation.

B. Specific Monitoring and Recordkeeping Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/Parameter Monitored	Monitoring/Recordkeeping Requirement
AB-001 AB-002 AB-021	40 CFR § 60.48c(g)(2)	5.B.1	Filterable PM / PM	Monthly Fuel Consumption
AB-021	40 CFR § 63.11210(d); 40 CFR Part 63, Subpart JJJJJ – Table 4; 40 CFR § 63.1120(a) and (c)(1, 3) 40 CFR § 63.11212 (a), (c), and (d)	5.B.2	Filterable PM	Performance Stack Test Requirements (Method 5 or 17)
	40 CFR § 63.11224(c)	5.B.3	Fuel Feed Rate or Steam Generation Data	Site-Specific Monitoring Plan
	40 CFR § 63.11224(e)(1-8)	5.B.4	Opacity	Continuous Opacity Monitoring
	40 CFR § 63.11225(c)	5.B.5	Filterable PM	Records Retention
AB-001 AB-002 AA-003 AA-004 AA-005 AA-020	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.B.6	Opacity	Visible Emission Evaluation
AB-001 AB-002 AB-021 AA-003 AA-004 AA-005 AA-020	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.B.7	Filterable PM / PM	Monthly Inspections / Maintenance Actions

- 5.B.1 For Emission Points AB-001, AB-002, and AB-021, the permittee shall record and maintain the amount (in pounds) of virgin wood waste combusted during each calendar month. (Ref.: 40 CFR § 60.48c(g)(2))
- 5.B.2 For Emission Point AB-021, which must demonstrate compliance of the emission limit referenced in Condition 3.B.6, the permittee must conduct a performance stack test for filterable particulate matter (PM) within 180 days of the source's start-up. (Ref.: 40 CFR § 63.11210(d))

The following provisions must be completed utilizing the applicable EPA Methods within 40 CFR Part 60 for the performance stack test to be deemed valid:

- (a) Select sampling ports location and the number of traverse points – Method 1 in Appendix A-1;
- (b) Determine velocity and volumetric flow-rate of the stack gas – Method 2, 2F or 2G in Appendix A-2;
- (c) Determine oxygen and carbon dioxide concentrations of the stack gas – Method 3A or 3B in Appendix A-3 [or ASTM D6522-00 Reapproved 2005) or ANSI/ASME PTC 19.10-1981];
- (d) Measure the moisture content of the stack gas – Method 4 in Appendix A-3;
- (e) Measure the particulate matter emission concentration – Method 5 or 17 in Appendix A-3 and A-6 [and a minimum of 1dry standard cubic meter (dscm) of sample volume per run];
- (f) Convert emissions concentration to pounds/MMBTU emissions rates – Method 19 F-factor methodology in Appendix A-7.

(Ref: 40 CFR Part 63, Subpart JJJJJ – Table 4)

Performance stack tests must be conducted on a triennial basis with no more than 37 months between each testing event. However, if the results from the initial performance stack test show PM emissions are equal to or less than half of the PM emission limit referenced in Condition 3.B.6, the permittee may choose to conduct a performance stack test every fifth year with no more than 61 months between each testing event. If the results show PM emissions are greater than half of the PM emission limit referenced in Condition 3.B.6, the permittee must conduct subsequent performance stack tests on a triennial basis as originally noted. (Ref: 40 CFR § 63.1120(a) and (c)(1, 3))

If the permittee chooses to shift the performance stack testing frequency to every fifth year (with no more than 61 months between each testing event) after meeting the referenced qualification, the permittee must immediately notify the MDEQ of this decision.

The permittee must conduct a performance stack test according to 40 CFR § 63.7(c), (d), (f), and (h). A minimum of three separate test runs must be conducted for each performance stack test as specified in 40 CFR § 63.7(e)(3) and the aforementioned provisions referenced from Table 4 of Subpart JJJJJ. The permittee must also develop a site-specific test plan according to the requirements promulgated in 40 CFR § 63.7(c).

The permittee must conduct a performance stack test at a representative operating load condition and establish operating limits based on the results from a performance stack test. Following each performance stack test and until the next performance stack test,

the permittee must not exceed 110% of the average operating load parameter(s) recorded (i.e. fuel feed rate and/or steam generation data) during the most recent performance stack test.

(Ref: 40 CFR § 63.11212 (a), (c), and (d))

5.B.3 For Emission Point AB-021, the permittee must develop a site-specific monitoring plan that addresses the continuous monitoring of the operating load parameter(s) selected to establish operating limits (i.e. fuel feed rate and/or steam generation data) and the following provisions:

- (a) Installation of a “continuous monitoring system” (CMS) sampling probe or other interface at a measurement location relative to the unit such that the measurement is representative of control of the exhaust emissions (*e.g.* on or downstream of the last control device);
- (b) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems;
- (c) Performance evaluation procedures and acceptance criteria (*e.g.* calibrations);
- (d) Ongoing data quality assurance procedures in accordance with the general requirements of 40 CFR § 63.8(d);
- (e) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR § 63.10(c), (e)(1), and (e)(2)(i);
- (f) Conducting a performance evaluation of each CMS in accordance with this site-specific monitoring plan;
- (g) Operating and maintaining the CMS in continuous operation according to this site-specific monitoring plan.

(Ref: 40 CFR § 63.11205(c) and § 63.11224(c))

5.B.4 For Emission Point AB-021, the permittee must install, operate, certify, and maintain a “continuous opacity monitoring system” (COMS) according to the following provisions upon start-up of the affected source:

- (a) The COMS must be installed, operated, and maintained in accordance with Performance Specification 1 of 40 CFR Part 60, Appendix B;

- (b) The permittee must conduct a performance evaluation of the COMS in accordance with the requirements in 40 CFR § 63.8 and Performance Specification 1 of 40 CFR Part 60, Appendix B;
- (c) Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period;
- (d) The permittee must include in the site-specific monitoring plan procedures and acceptance criteria for operating and maintaining the COMS in accordance with 40 CFR § 63.8(d). At a minimum, the monitoring plan must include a daily calibration drift assessment, a quarterly performance audit, and an annual zero alignment audit of the COMS;
- (e) The permittee must operate and maintain the COMS according to the requirements in the monitoring plan and the requirement of 40 CFR § 63.8(e). The permittee must identify periods when the COMS is out of control including periods that the COMS fails to pass a daily calibration drift assessment, a quarterly performance audit, or an annual zero alignment audit;
- (f) The permittee must calculate and record 6-minute averages from the opacity monitoring data and determine and record the daily block average of recorded readings, except as provided in 40 CFR § 63.11221(c);
- (g) For purposes of collecting opacity data, the permittee must operate the COMS as specified in 40 CFR § 63.11221(b). For the purposes of calculating data averages, the permittee must use all data collected during all periods in assessing compliance, except that the permittee must exclude certain data as specified in 40 CFR § 63.11221(c). Periods when COMS data are unavailable may constitute monitoring deviations as specified in 40 CFR § 63.11221(d).

(Ref: 40 CFR § 63.11224(e)(1-8))

All opacity monitoring data directly related to the determination of the daily block average must be maintained on-site for a period of at least five (5) years.

5.B.5 For Emission Point AB-021, the permittee must maintain any applicable records pertaining to the following compliance matters:

- (a) Each notification and report submitted to comply with 40 CFR Part 63, Subpart JJJJJ and all documentation supporting the “Notification of Compliance Status”;
- (b) Conformance with the work practices, emission reduction measures, and management practices promulgated within Section 3.D and the following provisions (if applicable);

- (1) Records must that identify the affected source, the date of each performance tune-up, the procedures followed for a performance tune-up, and the manufacturer's specifications to which the affected source was tuned;
 - (2) For an operating unit that combusts a non-hazardous secondary material that has been determined not to be a solid waste pursuant to 40 CFR § 241.3(b)(1), the permittee must keep a record that documents how the secondary material meets each of the legitimacy criteria under 40 CFR § 241.3(d)(1). If the permittee combusts a fuel source that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR § 241.3(b)(4), the permittee must retain records as to how the operations that produced the fuel source satisfies the definition of processing in 40 CFR § 241.2 and each of the legitimacy criteria in 40 CFR § 241.3(d)(1). For an operating unit that combusts a non-hazardous secondary material as a fuel source, the permittee must keep records documenting that the material is a listed non-waste under 40 CFR § 241.4(a).
 - (3) The amount of virgin wood waste used monthly;
- (c) Details of the occurrence and duration of each malfunction of the affected source, or of the associated air pollution control and monitoring equipment;
 - (d) Information on action(s) taken during periods of malfunction to minimize emissions in accordance with the "general duty to minimize emissions" (i.e. *"...does not require [the permittee] to make any further efforts to reduce emissions if levels required by this standard have been achieved."* – as specified in 40 CFR § 63.11205(a)), including corrective actions to restore the malfunctioning affected source, air pollution control, or monitoring equipment to its normal or usual manner of operation;
 - (e) All inspection and monitoring data required within the site-specific monitoring plan. Additionally, the following information is required each referenced inspection or monitoring:
 - (1) The date, place, and time of the monitoring event;
 - (2) The person conducting the monitoring;
 - (3) The technique or method utilized;
 - (4) Operating conditions during the activity;
 - (5) Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation;

(6) Maintenance or corrective action taken (if applicable);

(Ref: 40 CFR § 63.11225 (c)(1), (2), (4), (5), and (6))

- 5.B.6 For Emission Points AB-001, AB-002, AA-003, AA-004, AA-005, and AA-020, the permittee must assure compliance with the opacity limitation specified in Condition 3.A.2 by performing weekly observations of emissions from the exhaust stack of each affected source. If any visible emissions are detected during an observation period of six (6) consecutive minutes, a visible emission evaluation (VEE) shall be performed using EPA Reference Method 9. If a VEE is performed using EPA Reference Method 9, then the observation period shall consist of a minimum of eighteen (18) consecutive minutes. However, if the visible emissions after a period of 6 minutes are determined to be less than 20% opacity, then the permittee can elect to discontinue performing the VEE.

The permittee must maintain a log documenting all visual observations, the nature and cause of any visible emissions, any corrective action(s) taken to prevent or minimize emissions, and the date / time when visual emission observations were conducted. The results of each respective observation and evaluation shall be recorded and maintained on-site for a period of at least five (5) years.

(Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(11))

- 5.B.7 For Emission Points AB-001, AB-002, AB-021, AA-003, A-004, AA-005, and AA-020, the permittee must conduct a monthly inspection of air pollution control equipment associated with each affected source to evaluate performance capability. If a problem is noted with any air pollution control equipment, the permittee shall perform the necessary maintenance to ensure operation as originally designed. The permittee shall also maintain sufficient equipment as is necessary to repair air pollution control equipment. The results of all inspections and any maintenance actions (if necessary) shall be maintained on-site for a period of at least five (5) years. (Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(11))

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/Parameter Monitored	Monitoring/Recordkeeping Requirement
AB-001 AB-002 AB-021	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.C.1	Fuel Source	Monthly Usage of Virgin Wood Waste
AB-001 AB-002	40 CFR § 63.11225(b)(1-2)	5.C.2	Filterable PM	Biennial Compliance Certification
AB-021	40 CFR § 63.11225(b)(1-4)	5.C.3	Filterable PM	Annual Compliance Certification
	40 CFR § 11205(c)(1-3)	5.C.4	Operating Load Limit	Submission of Site-Specific Monitoring Plan
	40 CFR § 63.11225(a)(3)	5.C.5	Filterable PM	Notification of Intent
	40 CFR § 63.11222(a) 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.C.6	Fuel Feed Rate and/or Steam Generation Data	Reporting of Continuous Monitoring Data
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.C.7	Opacity	Exceedence Reporting
	40 CFR § 63.11225(e)(1)	5.C.8	Filterable PM / PM	Submission of Performance Stack Test Results
AB-001 AB-002 AA-003 AA-004 AA-005 AA-020	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.C.9	Opacity	Exceedence Reporting
AB-001 AB-002 AB-021 AA-003 AA-004 AA-005 AA-020	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)	5.C.10	Filterable PM / PM	Submission of Inspection Reports

5.C.1 For Emission Points AB-001, AB-002, and AB-021, the permittee shall submit a semi-annual report in accordance with Condition 5.A.4 that summarizes the monthly usage of virgin wood waste (in pounds or tons) for each affected source. (Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(11))

5.C.2 For Emission Points AB-001 and AB-002, the permittee must prepare and submit a compliance certification report by March 15th of the immediate year following the completion of a performance tune-up on the affected source. The report must contain

the following information:

- (a) Company name and address;
- (b) A statement by the responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of this notification and a statement of whether the source has compiled with all the relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJ. The permittee's notification must also include the following certifications of compliance and signed by a responsible official:
 - (1) *"This facility complies with the requirements in 40 CFR § 63.11223 to conduct a biennial tune-up each boiler unit";*
 - (2) If the affected source does not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: *"No secondary materials that are solid waste were combusted in the boiler unit";*
 - (3) *"This facility complies with the requirement in 40 CFR § 63.11214(d) and 40 CFR § 63.11223(g) to minimize the boiler's time spent during start-up and shutdown and to conduct start-ups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if the manufacturer's recommended procedures are not available."*

(Ref: 40 CFR § 63.11225(b)(1-2))

5.C.3 For Emission Point AB-021, the permittee must prepare and submit to the MDEQ an annual compliance certification report for the previous calendar year by March 15th of each calendar year. The report must contain the following information:

- (a) Company name and address;
- (b) A statement by the responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of this notification and a statement of whether the source has compiled with all the relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJ. The permittee's notification must also include the following certifications of compliance and signed by a responsible official:
 - (1) *"This facility complies with the requirements in 40 CFR § 63.11223 to conduct a biennial tune-up each boiler unit";*
 - (2) If the affected source does not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: *"No secondary materials that are solid waste were combusted in the boiler unit";*

- (3) *“This facility complies with the requirement in 40 CFR § 63.11214(d) and 40 CFR § 63.11223(g) to minimize the boiler’s time spent during start-up and shutdown and to conduct start-ups and shutdowns according to the manufacturer’s recommended procedures or procedures specified for a boiler of similar design if the manufacturer’s recommended procedures are not available.”*
- (c) A description of deviations, the time periods during which the deviations occurred, and the corrective actions taken if the permittee experiences any deviations from the applicable requirements during the reporting period;
- (d) The total fuel source use by the listed emission point for each calendar month within the reporting period, including (but not limited to), a description of the fuel, whether the fuel source has received a non-waste determination by the permittee or EPA through a petition process, whether the fuel source was processed from discarded non-hazardous secondary materials within the meaning of 40 CFR § 241.3, and the total fuel source usage with units of measure.

(Ref: 40 CFR § 63.11225(b)(1-4))

- 5.C.4 For Emission Point AB-021, the permittee must submit the site-specific monitoring plan referenced in 5.B.3 at least sixty (60) days before the initial performance evaluation for the CMS. (Ref: 40 CFR § 63.11205(c)(1-3))
- 5.C.5 For Emission Point AB-021, the permittee must submit a Notification of Intent that includes all testing protocol to be applied at least sixty (60) days before a performance stack test is scheduled to begin. (Ref: 40 CFR § 63.11225(a)(3))
- 5.C.6 For Emission Point AB-021, following the date in which the initial performance stack test is completed, the permittee must submit a semi-annual summary report in accordance with Condition 5.A.4 that presents continuous monitoring data for the operating parameter(s) directly associated with the filterable PM emission limit referenced in Condition 3.B.5 and the operating limit referenced in Condition 3.B.6. Additionally, with the exception of performance stack testing events, the permittee must report each instance in which the emission limit and/or the operating limit are not met. (Ref: 11 Miss. Admin Code Pt. 2, R. 2.2.B(11) and 40 CFR § 63.11222(a)(1), (b))
- 5.C.7 For Emission Point AB-021, the permittee shall submit a semi-annual summary report in accordance with Condition 5.A.4 that outlines all instances of deviation from the opacity limitation promulgated in Condition 3.B.7. (Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(11))
- 5.C.8 For Emission Point AB-021, the permittee must submit the results of each performance stack test to EPA and MDEQ within sixty (60) days of completing the testing event. The procedure for submitting the results to EPA is as specified in either 40 CFR §

63.11225(e)(1)(i) or (ii). (Ref: 40 CFR § 63.11225(e)(1))

- 5.C.9 For Emission Points AB-001, AB-002, AA-003, AA-004, AA-005, and AA-020, the permittee shall submit a semi-annual summary report in accordance with Condition 5.A.4 that outlines all instances of deviation from the opacity limitation promulgated in Condition 3.A.2. (Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(11))
- 5.C.10 For Emission Points AB-001, AB-002, AB-021, AA-003, AA-004, AA-005, and AA-020, the permittee shall submit a semi-annual summary report in accordance with Condition 5.A.4 that outlines any maintenance actions conducted on air pollution control equipment and any period in which air pollution control equipment fails and/or malfunctions. (Ref.: 11 Miss. Admin Code Pt. 2, R. 2.2.B(11))

SECTION 6. ALTERNATIVE OPERATING SCENARIOS

6.1 None permitted.

SECTION 7. TITLE VI REQUIREMENTS

The following are applicable or potentially applicable requirements originating from Title VI of the Clean Air Act – Stratospheric Ozone Protection. The full text of the referenced regulations may be found on-line at <http://ecfr.gpoaccess.gov> under Title 40, or DEQ shall provide a copy upon request from the permittee.

- 7.1 If the permittee produces, transforms, destroys, imports or exports a controlled substance or imports or exports a controlled product, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart A – Production and Consumption Controls.
- 7.2 If the permittee performs service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners.
- 7.3 The permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart E – The Labeling of Products Using Ozone-Depleting Substances, for the following containers and products:
 - (a) All containers in which a class I or class II substance is stored or transported;
 - (b) All products containing a class I substance; and
 - (c) All products directly manufactured with a process that uses a class I substance, unless otherwise exempted by this subpart or, unless EPA determines for a particular product that there are no substitute products or manufacturing processes for such product that do not rely on the use of a class I substance, that reduce overall risk to human health and the environment, and that are currently or potentially available. If the EPA makes such a determination for a particular product, then the requirements of this subpart are effective for such product no later than January 1, 2015.
- 7.4 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction:
 - (a) Servicing, maintaining, or repairing appliances;
 - (b) Disposing of appliances, including small appliances and motor vehicle air conditioners; or
 - (c) Refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery

equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

- 7.5 The permittee shall be allowed to switch from any ozone-depleting substance to any acceptable alternative that is listed in the Significant New Alternatives Policy (SNAP) program promulgated pursuant to 40 CFR Part 82, Subpart G – Significant New Alternatives Policy Program. The permittee shall also comply with any use conditions for the acceptable alternative substance.
- 7.6 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart H – Halon Emissions Reduction:
- (a) Any person testing, servicing, maintaining, repairing, or disposing of equipment that contains halons or using such equipment during technician training;
 - (b) Any person disposing of halons;
 - (c) Manufacturers of halon blends; or
 - (d) Organizations that employ technicians who service halon-containing equipment.

APPENDIX A

List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lbs/hr	Pounds per Hour
M or K	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
MMBTUH	Million British Thermal Units per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards For Hazardous Air Pollutants, 40 CFR 61
	or
	National Emission Standards For Hazardous Air Pollutants for Source Categories, 40 CFR 63
NMVOC	Non-Methane Volatile Organic Compounds
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM ₁₀	Particulate Matter less than 10 µm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compound