

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

**TO OPERATE PORTABLE AIR EMISSIONS EQUIPMENT
ON A TEMPORARY BASIS AT LOCATIONS STATE-WIDE**

THIS CERTIFIES THAT

Renewable Wood Solutions LLC
P.O. Box 233
Crystal Springs, Copiah County, Mississippi

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: _____

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

**AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

Expires: [Date not to exceed 5 years from issuance]

Permit No.: 0600-00076

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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 Prior to its expiration, this permit may be reopened in accordance with the provisions listed below.

(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).)

- (c) 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).)

- (d) 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.)

- (e) 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, Subpart I, or 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 Part 51, Subpart I, or 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.C(15).)

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 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.)

1.24 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 in 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 source can identify the cause(s) of the upset;

- (ii) The source was at the time being properly operated;
 - (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, 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 by the Commission, the source 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 in 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) Startups and shutdowns are part of normal source operation. Emission limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups and shutdowns are defined by an applicable rule, regulation, or permit.
 - (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.)

- 1.25 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
AA-001	One or more portable Air Curtain Incinerators (ACIs), each equipped with a firebox and portable, non-emergency, diesel-fired engine.
AA-002	Ash Handling, including removal, storage, and transfer

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 Condition 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.)

3.A.3 For the entire facility, the permittee shall not cause, permit, or allow the emission of particles or any contaminants in sufficient amounts or of such duration from any process as to be injurious to humans, animals, plants, or property, or to be a public nuisance, or create a condition of air pollution.

(a) The permittee shall not cause or permit the handling, transporting, or storage of any material in a manner which allows or may allow unnecessary amounts of particulate matter to become airborne.

(b) When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance to property other than that from which it originated or to violate any other provision of 11 Miss. Admin. Code Pt. 2, Ch. 1, the Commission may order such corrected in a way that all air and gases or air and gasborne material leaving the building or equipment are controlled or removed prior to discharge to the open air.

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

B. Emission Point Specific Emission Limitations & Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
State-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued [DATE]	3.B.1	Location	Locate at permitted solid waste disposal facilities state-wide
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(14)(a) and (e).	3.B.2	Buffer Zone Criteria	See Permit Condition for specific requirements
AA-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued [DATE]	3.B.3	Annual Waste Combusted	≤ 175,000 tons per year (12-month rolling total from all ACIs)
		3.B.4	Hours of Operation	Limit burning between sunrise and 6:00 p.m.
		3.B.5	PM, NOx, CO, and VOCs	PM ≤ 1.3 lb/ton NOx ≤ 1.0 lb/ton CO ≤ 2.6 lb/ton VOC ≤ 0.9 lb/ton
		3.B.6	Location	No more than 12 consecutive months at any one location
	40 CFR Part 60, Subpart CCCC – Standards of Performance for Commercial and Industrial Solid Waste Incineration (CISWI) Units 40 CFR 60.2010, 60.2015(a), and 60.2245; Subpart CCCC	3.B.7	Opacity	General applicability
		40 CFR 60.2245(b) and 60.2265, Subpart CCCC	3.B.8	Waste Restriction
	40 CFR 60.2250, Subpart CCCC	3.B.9	Opacity	≤ 10% (6-minute average), not to exceed 35% (6-minute average) during startup
11 Miss. Admin. Code Pt. 2, R. 1.3.H(1).	3.B.10	PM (filterable)	≤ 0.2 grains per dry standard cubic foot (calculated to 12% CO2 by volume)	

3.B.1 In compliance with the conditions of this permit, the permittee shall only install and operate the Air Curtain Incinerators (ACIs) (Emission Point AA-001) and the associated ash handling equipment (Emission Point AA-002) at permitted solid waste management facilities located in the State of Mississippi or at locations where the permittee harvests purchased timber within the State of Mississippi.

Each ACI shall only burn solid waste that meets the requirements of Condition 3.8. Each ACI shall only burn wood waste generated on-site from harvesting timber owned by the permittee or waste received and managed at a solid waste management facility permitted to operate under 11 Miss. Admin. Code Pt. 4, Ch. 1. and having a Plan of Operations addressing disposal by incineration. This permit does not address or otherwise limit the use of ACIs owned and operated by the permittee for temporary incineration of debris from a declared disaster or emergency, as allowed under applicable State and Federal regulations.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued [DATE])

3.B.2 For each ACI (Emission Point AA-001), the ACI must be at least 150 feet from any dwelling and from any light commercial building not owned by the applicant. All other sources of air emissions must be at least 150 feet from the nearest residential or recreational area. The terms *light commercial area*, *recreational area*, and *residential area* are defined as follows:

- (a) *Light commercial area*. An area zoned for commercial use, or, in the absence of any local zoning ordinances, an area predominantly used for wholesale and retail trade in goods and services.
- (b) *Recreational area*. Recreational area means:
 - (1) a national, state, county, or city park; or
 - (2) an outdoor recreational area, such as a golf course or swimming pool, owned by a city, county, state, or other public agency.
- (c) *Residential area*. Residential area means:
 - (1) a group of 20 or more single-family dwelling units on contiguous property and having an average density of two or more units per acre, or
 - (2) a group of 40 or more single-family dwelling units on contiguous property and having an average density of one or more units per acre, or
 - (3) a subdivision containing at least 20 constructed houses, in which the subdivision plat is recorded in the chancery clerk's office of the appropriate county.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(14)(a) and (e).)

3.B.3 For all ACIs operated state-wide, the permittee shall limit the total annual throughput of waste combusted to no more than 175,000 tons per year, as determined by combining the throughput of all ACIs operated by the permittee for each 12-month rolling period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued [DATE])

- 3.B.4 For each ACI (Emission Point AA-001), the permittee only conduct burning between sunrise and 6:00 p.m. No combustible material shall be added to the ACI prior to or after this time period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued [DATE])

- 3.B.5 For each ACI (Emission Point AA-001), the ACI shall meet the following emission standards expressed as pounds of pollutant per ton of wood waste burned (i.e., lb/ton):

- (a) $PM \leq 1.3$ lb/ton,
- (b) $NO_x \leq 1.0$ lb/ton,
- (c) $CO \leq 2.6$ lb/ton, and
- (d) $VOCs \leq 0.9$ lb/ton.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued [DATE])

- 3.B.6 To ensure each ACI is located on a temporary basis at any one site and the engine associated with the ACI meets the definition of a “nonroad engine” in 40 CFR 60.1068.30, the permittee shall not locate and operate the ACI and associated engine at the same location for more than 12 consecutive months.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued [DATE])

- 3.B.7 For each ACI (Emission Point AA-001), the permittee is subject to and shall comply with the applicable requirements for new ACI in 40 CFR Part 60, Subpart CCCC – Standards of Performance for Commercial and Industrial Solid Waste Incineration (CISWI) Units, and the applicable requirements of the General Provisions in 40 CFR Part 60, Subpart A. The permittee shall only operate ACIs for which construction commenced after June 4, 2010, or reconstruction or modification commenced after August 7, 2013.

(Ref.: 40 CFR 60.2010, 60.2015(a), and 60.2245, Subpart CCCC)

- 3.B.8 For each ACI (Emission Point AA-001), the permittee shall only burn wood waste, clean lumber waste, or yard waste, or a 100 percent mixture of wood waste, clean lumber, and yard waste. For the purposes of this permit, the noted wastes are defined as follows:

- (a) “Wood waste” is defined as untreated wood and untreated wood products, including tree stumps, trees, tree limbs, bark, sawdust, chips, scraps, slabs, millings, and shavings.
- (b) “Clean lumber” is defined as wood or wood products that have been cut or shaped and include wet, air-dried, and kiln-dried wood products. Clean lumber does not include wood products that have been painted, pigment-stained, or pressure-treated by compounds such as chromate copper arsenate, pentachlorophenol, and creosote.
- (c) “Yard waste” is defined in 40 CFR 60.2977 as grass, grass clippings, bushes, shrubs, and clippings from bushes and shrubs. Yard waste comes from residential, commercial/retail, institutional, or industrial sources as part of maintaining yards or other private or public lands. Yard waste does not include construction, renovation, and demolition wastes or clean lumber.

(Ref.: 40 CFR 60.2245(b) and 60.2265, Subpart CCCC)

3.B.9 For each ACI (Emission Point AA-001), within 60 days of each ACI reaching the charge rate at which it will operate, but no later than 180 days after initial startup of each ACI, the permittee must meet the following two limitations:

- (a) Maintain opacity to less than or equal to 10 percent opacity (as determined by the average of three 1-hour blocks consisting of ten 6-minute average opacity values), except as described in paragraph (b); and
- (b) Maintain opacity to less than or equal to 35 percent opacity (as determined by the average of three 1-hour blocks consisting of ten 6-minute average opacity values) during the startup period that is within the first 30 minutes of operation.

(Ref.: 40 CFR 60.2250, Subpart CCCC)

3.B.10 For each ACI (Emission Point AA-001), the maximum discharge of particulate matter shall not exceed 0.2 grains per standard dry cubic foot of flue gas calculated to twelve percent (12%) carbon dioxide by volume for products of combustion. This limitation shall apply when the incinerator is operating at design capacity.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.H(1).)

C. Insignificant and Trivial Activity Emission Limitations & Standards

There are no other requirements applicable to the insignificant activities listed in the source's Title V permit application.

D. Work Practice Standards

Emission Point	Applicable Requirement	Condition Number(s)	Work Practice Standard
AA-001	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued [DATE]	3.D.1	Operate and maintain ACI according to manufacturer’s written instructions
		3.D.2	Operating criteria
		3.D.3	Approved and prohibited accelerants
AA-002	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued [DATE]	3.D.4	Standards for ash handling

3.D.1 For each ACI (Emission Point AA-001), the permittee shall operate and maintain the ACI according to the manufacturer’s written instructions (i.e., the operating manual) to ensure complete combustion of the material charged into the firebox.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued [DATE])

3.D.2 For each ACI (Emission Point AA-001), the permittee shall not store combustible material within 100 feet of the ACI in any direction and shall operate the ACI in accordance with the setbacks recommended by the manufacturer for given wind speeds.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued [DATE])

3.D.3 For each ACI (Emission Point AA-001), the permittee shall use clean oils (e.g., diesel, No. 2 fuel oil, or kerosene) to start the fire. The permittee shall not use highly combustible accelerants, such as gasoline, to start the fire. Additionally, the permittee shall minimize (to the best extent practicable) the amount of accelerant necessary to ignite a start-up fire.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the federally enforceable Permit to Construct issued [DATE])

3.D.4 For Ash Handling (Emission Point AA-002), the permittee shall comply with the following conditions for removal, transfer, and storage of the ash to prevent the ash from becoming airborne:

(a) Accumulated ash shall be removed from the firebox at the frequency specified in the manufacturer’s written instructions;

(b) Ash shall be wetted during removal, as necessary, to prevent it from becoming airborne;

- (c) Cooled ash shall be stored in roll-off containers, trailers, or other equivalent containers and shall be wetted or covered as needed to prevent ash from becoming airborne; and
- (d) Containers shall be covered/tarped prior to and during transfer of the containers off-site.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the federally enforceable Permit to Construct issued [DATE])

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. If the permit was reissued or modified during the course of the preceding calendar year, the compliance certification shall address each version of the permit. 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

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. For applicable periodic reporting requirements in 40 CFR Parts 60, 61, and 63, the permittee shall comply with the deadlines in this condition for reporting conducted on a semiannual basis. Additionally, any required quarterly reports shall be submitted by the end of the month following each calendar quarter (i.e., April 30th, July

31st, October 31st, and January 31st), and any required annual reports shall be submitted by January 31st following each calendar year.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1)., 40 CFR 60.19(c), 61.10(g), and 63.10(a)(5))

- 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) working 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

- 5.A.7 The permittee shall maintain records of any alterations, additions, or changes in equipment or operation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

- 5.A.8 Unless otherwise specified in Section 4, upon permit issuance, the monitoring, testing, recordkeeping, and reporting requirements of Section 5 herein supersede the requirements of any preceding permit to construct and/or operate.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

B. Specific Monitoring and Recordkeeping Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/Parameter Monitored	Monitoring/Recordkeeping Requirement
State-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b).	5.B.1	Location/Buffer Zone	Record of notification submitted in Condition 5.C.1
AA-001	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.2	Hours of Operation	Monthly hours of operation for each ACI
		5.B.3	Annual Throughput	Monthly and 12-month rolling total waste combusted
		5.B.4	PM, NO _x , CO, and VOC	Records of manufacturer's guarantee
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b).	5.B.5	Operation and Maintenance	Maintain a copy of the manufacturer's instructions
	40 CFR 60.2255 and 60.2260(d) and (e), Subpart CCCC	5.B.6	Opacity	Initial and subsequent annual opacity tests for each ACI
40 CFR 60.2260(b), (c), and (f), Subpart CCCC and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b.)	5.B.7	Records of opacity test reports		
AA-002	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.8	Location	Date ash is first generated and removed for each location

5.B.1 The permittee shall maintain records of the notifications submitted according to Condition 5.C.1, demonstrating the location and buffer zone criteria in Conditions 3.B.1 and 3.B.2 are met. The permittee shall also maintain copies of all service contracts with solid waste management facilities for a period of at least five years following the end of the contract.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b).)

5.B.2 For each ACI (Emission Point AA-001), the permittee shall maintain a record (in log form) of the location, date, start and stop time, wind speed and direction at the start and stop time, accelerant used, and the total hours of operation for each day. The records shall also indicate the serial number or other unique identification for the ACI and the maximum rated capacity of the ACI (in tons per hour). The total hours the ACI operated during each calendar month shall be determined at the end of the month.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.B.3 For each ACI (Emission Point AA-001), the permittee shall calculate the monthly throughput of combusted waste by multiplying the maximum rated capacity of the ACI by

the monthly hours of operation. The permittee shall sum the monthly calculated waste combusted in all ACIs operated during each calendar month and determine the monthly total and 12-month rolling total waste combusted to demonstrate compliance with the limitation in Condition 3.B.3.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.B.4 To demonstrate compliance with Condition 3.B.5, for each ACI (Emission Point AA-001), the permittee shall maintain a record of the manufacturer's emissions guarantee for the ACI model in operation. In lieu of a hard copy, an electronic copy of the emissions guarantee may be kept by the permittee as long as it is available for review upon request by DEQ.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.B.5 To demonstrate compliance with Condition 3.D.1, the permittee shall maintain a copy of the manufacturer's instructions at the location of each ACI and ensure the operator of the ACI has access to the instructions, as well as DEQ personnel (upon request). In lieu of a hard copy, an electronic version of the instructions may be maintained as long as they are available for review by the operator and DEQ personnel (upon request).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b).)

- 5.B.6 For each ACI (Emission Point AA-001), the permittee shall demonstrate compliance with the opacity standard of Condition 3.B.9(a) by conducting an initial test for opacity using EPA Method 9 of 40 CFR Part 60, Appendix A. The initial test must be conducted for the ACI within 60 days of reaching the maximum rate at which the ACI will operate but no later than 180 days after initial startup of the ACI. Subsequent annual testing for opacity shall be conducted no more than 12 calendar months following the date of the previous test. Opacity testing shall consist of three 1-hour blocks consisting of ten 6-minute average opacity values and shall be conducted during normal operations (i.e., not during startup).

(Ref.: 40 CFR 60.2255 and 60.2260(d) and (e), Subpart CCCC)

- 5.B.7 For each ACI (Emission Point AA-001), the permittee shall keep records of all initial and annual opacity tests with the respective ACI or at a central location. For each test conducted, the test report must clearly identify the ACI by serial number or other unique, verifiable identification. If the test reports are maintained at a central location, the test reports shall be available in an electronic format so they may be readily provided to DEQ for review upon request. The permittee shall keep a copy of each initial and annual opacity test report for a period of five years from the date of the report.

(Ref.: 40 CFR 60.2260(b), (c), and (f), Subpart CCCC and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b).)

5.B.8 For Ash Handling (Emission Point AA-002), the permittee shall record the location and date ash is first generated at the specific location and the date all ash is removed from the location.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/Parameter Monitored	Reporting Requirement
State-Wide	40 CFR 60.2260(a), Subpart CCCC, and 11 Miss. Admin. Code Pt. 2, R. 6.3.E(2).	5.C.1	Location/Buffer Zone	Notify DEQ at least 10 days prior to locating or relocating an ACI
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(c)(1).	5.C.2	Operating Records	Semiannual report requirements
AA-001	40 CFR 60.8(d), Subpart A and 40 CFR 60.2260(d), Subpart CCCC	5.C.3	Opacity	Notification of opacity test dates and submittal of initial and annual opacity test results

5.C.1 The permittee shall notify the DEQ at least 10 days in advance of locating or relocating an ACI to a permitted solid waste management facility or other location used to incinerate wood waste generated from harvesting timber. The notification shall provide the following information:

- (a) The planned date for installation and startup of the ACI;
- (b) The ACI manufacturer and model number;
- (c) The serial number or other unique identification for the ACI;
- (d) The maximum capacity (in tons per hour) of the ACI;
- (e) The name, physical address, and solid waste permit number of the solid waste management facility, or the physical address for the timber harvesting site;
- (f) Contact information (name and phone number) for the operator of the solid waste management facility or owner of the property; and
- (g) A map showing the proposed location of the ACI. (The map shall include the location of all buildings and property boundaries for the solid waste management facility and a reference scale.)

(Ref.: 40 CFR 60.2260(a), Subpart CCCC, and 11 Miss. Admin. Code Pt. 2, R. 6.3.E(2).)

5.C.2 In accordance with Condition 5.A.4, the semiannual monitoring report shall include a copy of the following information:

- (a) Logs maintained for each ACI per Condition 5.B.2,
- (b) The monthly total waste combusted and 12-month rolling total, calculated per Condition 5.B.3,
- (c) A copy of the manufacturer's emissions guarantee required by Condition 5.B.4 for each ACI in operation during the semiannual period, and
- (d) A summary of all locations where ash is currently being stored, as of the end of the semiannual period (i.e., June 30th or December 31st).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(c)(1).)

5.C.3 For each ACI (Emission Point AA-001), the permittee shall provide the DEQ at least 30 days prior notice of each opacity test. If the test date changes, the permittee shall notify DEQ of the change as soon as possible of the rescheduled test date. Such notifications shall be made in writing via electronic or paper copy. The permittee shall submit the results of the initial opacity tests no later than 60 days following the initial test. Reports of subsequent annual opacity test results shall be postmarked within 12 months following the previous report for each ACI and no later than 60 days following the subsequent test.

(Ref.: 40 CFR 60.8(d), Subpart A and 40 CFR 60.2260(d), Subpart CCCC)

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://www.ecfr.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 containing class I, class II or non-exempt substitute refrigerants;
 - (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, as well

as persons selling, offering for sale, and/or purchasing class I, class II, or non-exempt substitute 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

ACI	Air Curtain Incinerator
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
lb/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
PM _{2.5}	Particulate Matter less than 2.5 µm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
SSM	Startup, Shutdown, and Malfunction
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOHAP	Volatile Organic Hazardous Air Pollutant
VOC	Volatile Organic Compound