

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

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Florida Gas Transmission Company LLC,
Wiggins Compressor Station Number 10
201 Florida Gas Road
Wiggins, Mississippi
Perry 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: September 14, 2021

Modified: January 24, 2024

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD



**AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

Expires: August 31, 2026

Permit No.: 2200-00008

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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 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 airfields, 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 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.)

- 1.26 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
AA-000	Facility Wide Fugitives
AA-001	2,000 Horsepower (HP) (15.6 MMBTU/hr) Cooper-Bessmer four stroke lean burn (4SLB) natural gas-fired reciprocating compressor engine (Model No. LS-8-SG, Ref. No. 1001)
AA-002	2,000 HP (15.6 MMBTU/hr) Cooper-Bessmer 4SLB natural gas-fired reciprocating compressor engine (Model No. LS-8-SG, Ref. No. 1002)
AA-003	2,000 HP (15.6 MMBTU/hr) Cooper-Bessmer 4SLB natural gas-fired reciprocating compressor engine (Model No. LS-8-SG, Ref. No. 1003)
AA-004	2,000 HP (15.6 MMBTU/hr) Cooper-Bessmer 4SLB natural gas-fired reciprocating compressor engine (Model No. LS-8-SG, Ref. No. 1004)
AA-005	2,000 HP (15.6 MMBTU/hr) Cooper-Bessmer 4SLB natural gas-fired reciprocating compressor engine (Model No. LS-8-SG, Ref. No. 1005)
AA-012	2,400 HP (19 MMBTU/hr) Dresser-Rand 4SLB natural gas-fired reciprocating compressor engine (Model No. 412 KVSRA, Ref. No. 1006)
AA-013	4,000 HP (30.78 MMBTU/hr) Dresser-Rand two stroke lean burn (2SLB) natural gas-fired reciprocating compressor engine (Model No. TCVD-8, Ref. No. 1007)
AA-014	4,000 HP (30.78 MMBTU/hr) Dresser-Rand 2SLB natural gas-fired reciprocating compressor engine (Model No. TCVD-8, Ref. No. 1008)
AA-015	625 HP (5.24 MMBTU/hr) Cummins four stroke rich burn (4SRB) natural gas-fired emergency generator engine (Model No. GTA 28, Ref. No. 1031)
AA-016	17,008 HP (127.43 MMBTU/hr) Solar Mars 100 natural gas-fired reciprocating compressor turbine
AA-017	1,341 (9.76 MMBTU/hr) Caterpillar 4SLB natural gas-fired emergency generator engine

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	Limit/Standard
AA-001 through AA-005 and AA-012 through AA-014 and AA-016	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b).	3.B.1	PM (filterable only)	$E = 0.8808 * I^{-0.1667}$
AA-015 and AA-017	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a).	3.B.2	PM (filterable only)	0.6 lb/MMBTU
AA-012	11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued May 14, 1991	3.B.3	NO _x	2.0 g/bhp-hr, not to exceed 11.0 lb/hr and 48.18 tpy
AA-013 and AA-014 (Emission limits apply to each unit individually)	11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued October 14, 1993	3.B.4	NO _x	2.0 g/bhp-hr, not to exceed 17.64 lbs/hr and 77.26 tpy
		3.B.5	CO	2.8 g/bhp-hr, not to exceed 24.7 lbs/hr and 108.19 tpy
		3.B.6	VOC	0.8 g/bhp-hr, not to exceed 7.06 lbs/hr and 30.92 tpy
AA-001 through AA-005 and AA-012 through AA-017	NESHAP for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ 40 CFR 63.6580, 63.6585(a) and (b), 63.6590(a)(1)(i), 63.6590b(1)(i), 63.6590(b)(3)(i) through (iii), and 63.6600(c), Subpart ZZZZ	3.B.7	HAPs	MACT Applicability
AA-015	11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued October 14, 1993	3.B.8	NO _x	0.98 g/bhp-hr, not to exceed 1.35 lbs/hr and 0.27 tpy
		3.B.9	CO	2.14 g/bhp-hr, not to exceed 2.95 lbs/hr and 0.59 tpy
		3.B.10	VOC	0.04 g/bhp-hr, not to exceed 0.055 lbs/hr and 0.11 tpy

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant / Parameter	Limit/Standard
	40 CFR 63.6640(f) and 63.6675, Subpart ZZZZ	3.B.11	HAPs	Emergency Operational Requirements
	11 Miss. Admin. Code Pt.2, R. 2.2.B(10)., as established in Title V Operating Permit issued September 14, 2021	3.B.12	HAPs	Emergency Operational Requirements
AA-016	NSPS for Stationary Combustion Turbines, 40 CFR 60, Subpart KKKK 40 CFR 60.4300, 60.4305(a), and 60.4315	3.B.13	NOx and SO ₂	Applicability
	40 CFR 60.4320(a) and Table 1, Subpart KKKK	3.B.14	NOx	25 ppm NOx at 15% O ₂
	40 CFR 60.4330(a)(2), Subpart KKKK	3.B.15	SO ₂	0.060 lb SO ₂ /MMBTU
	40 CFR 60.4333(a), Subpart KKKK	3.B.16	NOx and SO ₂	Minimizing Emissions
AA-016	NESHAP for Stationary Combustion Turbines, 40 CFR 63, Subpart YYYY 40 CFR 63.6080, 63.6085, and 63.6090(a)(2)	3.B.17	HAP	Applicability
	40 CFR 63.6095(a)(4), 63.6100, 63.6175, and Table 1, Subpart YYYY	3.B.18	Formaldehyde	≤ 91 ppbvd at 15% O ₂
	40 CFR 63.6120(e), Subpart YYYY	3.B.19		Petition EPA for operating limitations
	40 CFR 63.6095(a)(4), 63.6100, and Table 2, Subpart YYYY	3.B.20		Operational Requirement
	40 CFR 63.6105(c), Subpart YYYY	3.B.21		Minimizing Emissions
AA-000	NSPS for Crude Oil and Natural Gas Facilities which Construction, Modification or Reconstruction Commenced after September 18, 2015, 40 CFR 60, Subpart OOOOa 40 CFR 60.5360a(a) and 60.5365a(j)	3.B.22	VOC	Applicability

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant / Parameter	Limit/Standard
	40 CFR 60.5370a(a), Subpart OOOOa	3.B.23		Comply upon startup of Emission Point AA-016
AA-000	40 CFR 60.5370a(b), Subpart OOOOa	3.B.24	VOC	Minimizing Emissions
AA-017	NSPS for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ 40 CFR 60.4230(a)(4)(iv), Subpart JJJJ	3.B.25	NOx + HC CO VOC	Applicability
	40 CFR 60.4233(e), 60.4234 and Table 1, Subpart JJJJ	3.B.26	NOx	2.0 g/HP-hr
			CO	4.0 g/HP-hr
			VOC	1.0 g/HP-hr
	40 CFR 60.4243(b)(1), Subpart JJJJ	3.B.27	NOx CO VOC	Purchase, operate, and maintain certified engine
	40 CFR 60.4243(d)(1)-(3), Subpart JJJJ	3.B.28		Operating Requirements
	40 CFR 60.4237 (c), Subpart JJJJ	3.B.29		Install a non-resettable hour meter

3.B.1 For Emission Points AA-001 through AA-005 and AA-012 through AA-014, and AA-016, the maximum permissible emission of ash and/or particulate matter shall not exceed an emission rate as determined by the relationship:

$$E = 0.8808 * I^{-0.1667}$$

where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of BTU per hour.

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

3.B.2 For Emission Points AA-015 and AA-017, the maximum permissible emission of ash and/or particulate matter 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.B.3 For Emission Point AA-012, Nitrogen Oxide (NO_x) emissions are limited to 2.0 grams per brake horsepower-hour (g/bhp-hr), not to exceed 11.0 pounds per hour and 48.18 tons per year.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued May 14, 1991)

- 3.B.4 For Emission Points AA-013 and AA-014, NO_x emissions from each emission point are limited to 2.0 grams per brake horsepower-hour (g/bhp-hr), not to exceed 17.64 lbs/hr and 77.26 tons/yr.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued October 14, 1993)

- 3.B.5 For Emission Points AA-013 and AA-014, Carbon Monoxide (CO) emissions from each emission point are limited to 2.8 g/bhp-hr, not to exceed 24.7 lbs/hr and 108.19 tons/yr.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued October 14, 1993)

- 3.B.6 For Emission Points AA-013 and AA-014, Volatile Organic Compound (VOC) emissions from each emission point are limited to 0.8 g/bhp-hr, not to exceed 7.06 lbs/hr and 30.92 tons/yr.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued October 14, 1993)

- 3.B.7 For Emission Points AA-001 through AA-005 and AA-012 through AA-017, the permittee is subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR Part 63, Subpart ZZZZ.

Emission Points AA-001 through AA-005 and AA-012 are existing spark ignition (SI) four stroke lean burn (4SLB) stationary RICE, each with a site rating greater than 500 brake HP located at a major source of HAP emissions and as such do not have any applicable requirements under 40 CFR 63 Subpart ZZZZ or the General Provisions in Subpart A.

Emission Points AA-013 and AA-014 are existing SI two stroke lean burn (2SLB) stationary RICE, each with a site rating greater than 500 brake HP located at a major source of HAP emissions and as such do not have any applicable requirements under 40 CFR 63 Subpart ZZZZ or the General Provisions in Subpart A.

Emission Point AA-015 is an existing four stroke rich burn (4SRB) SI stationary RICE that operates as an emergency backup power generating engine with a site rating of more than 500 brake HP located at a major source of HAP emissions and as such does not have to meet any requirements of 40 CFR Part 63, Subpart ZZZZ or the General Provisions in Subpart A. For Emission Point AA-015 to qualify as an emergency versus non-emergency engine, Emission Point AA-015 must meet the definition of an emergency engine by meeting the emergency operational requirements of 40 CFR 63.6640(f).

Emission Point AA-017 is a new spark ignition (SI) four stroke lean burn (4SLB) stationary RICE that operates as an emergency backup power generating engine with a site rating of more than 500 brake HP located at a major source of HAP emissions. As such, the engine must meet the requirements of 40 CFR Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR Part 60, Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR Part 63, Subpart ZZZZ or the General Provisions in Subpart A.

(Ref.: 40 CFR 63.6580, 63.6585(a) and (b), 63.6590(a)(1)(i), 63.6590(b)(1)(i), 63.6590(b)(3)(i) through (iii), and 63.6600(c), Subpart ZZZZ)

- 3.B.8 For Emission Point AA-015, Nitrogen Oxides (NO_x) emissions are limited to 0.98 g/bhp-hr, not to exceed 1.35 lbs/hr and 0.27 tons/yr.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued October 14, 1993)

- 3.B.9 For Emission Point AA-015, Carbon Monoxide (CO) emissions are limited to 2.14 g/bhp-hr, not to exceed 2.95 lbs/hr and 0.59 tons/yr.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued October 14, 1993)

- 3.B.10 For Emission Point AA-015, Volatile Organic Compound (VOC) emissions are limited to 0.04 g/bhp-hr, not to exceed 0.055 lbs/hr and 0.11 tons/yr.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 5. and 40 CFR 52.21(j), as established in the Air PSD Construction Permit issued October 14, 1993)

- 3.B.11 For Emission Point AA-015, the permittee shall operate the emergency engine according to the following requirements:

- (a) There is no limit on the use of the engine during emergency situations.
- (b) The engine may be operated for a maximum of 100 hours per calendar year for maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional

transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the DEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (c) counts as part of the 100 hours per calendar year allowed by this paragraph.

- (c) The engine may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing.

If the emergency engine is not operated according to the requirements in (a) - (c) above, the engine will not be considered an emergency engine under 40 CFR 63, Subpart ZZZZ, and will need to meet any applicable requirements for a non-emergency engine.

(Ref.: 40 CFR 63.6640(f) and 63.6675, Subpart ZZZZ)

- 3.B.12 For Emission Point AA-015, the permittee must install and operate a non-resettable hour meter on the emergency engine.

(Ref: 11 Miss. Admin. Code Pt. 2, R. 2.15.C., as established in the Title V Operating Permit issued September 14, 2021)

- 3.B.13 For Emission Point AA-016, the permittee is subject to and shall comply with all applicable requirements of the Standards of Performance for Stationary Combustion Turbines (40 CFR 60, Subpart KKKK) and the General Provisions (40 CFR 60, Subpart A).

(Ref.: 40 CFR 60.4300, 60.4305(a), and 60.4315, Subpart KKKK)

- 3.B.14 For Emission Point AA-016, Nitrogen Oxides (NO_x) emissions shall not exceed 25 ppm at 15% O₂.

(Ref.: 40 CFR 60.4320(a) and Table 1, Subpart KKKK)

- 3.B.15 For Emission Point AA-016, the permittee shall not burn any fuel that contains total potential sulfur emissions in excess of 0.060 lb SO₂/MMBTU.

(Ref.: 40 CFR 60.4330(a)(2), Subpart KKKK)

- 3.B.16 For Emission Point AA-016, the permittee shall operate and maintain the stationary combustion turbine, air pollution control equipment, and monitoring equipment in a

manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction.

(Ref.: 40 CFR 60.4333(a), Subpart KKKK)

- 3.B.17 For Emission Point AA-016, the permittee is subject to and shall comply with all applicable requirements of National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines (40 CFR 63, Subpart YYYY) and the General Provisions (40 CFR 63, Subpart A).

(Ref.: 40 CFR 63.6080, 63.6085, and 63.6090(a)(2), Subpart YYYY)

- 3.B.18 For Emission Point AA-016, the permittee shall limit the concentration of formaldehyde to 91 ppbv or less at 15 percent O₂, except during turbine startup. Startup begins at the first firing of fuel in the stationary turbine. For simple cycles turbines, startup ends when the stationary turbine has reached stable operation or after 1 hour, whichever is less.

The permittee shall comply with the emission limitations and operating limitations in Subpart YYYY upon startup of the turbine.

(Ref.: 40 CFR 63.6095(a)(4), 63.6100, 63.6175, and Table 1, Subpart YYYY)

- 3.B.19 For Emission Point AA-016, the permittee shall petition the Environmental Protection Agency (EPA) for operating limitations that the permittee will monitor to demonstrate compliance with the formaldehyde emission limitation in Condition 3.B.18. The permittee shall measure these operating parameters during the initial performance test and continuously monitor thereafter. Alternatively, the permittee may petition the EPA for approval of no additional operating limitations. The petition shall contain at a minimum the information required by Condition 5.B.9 (d) or (e). The permittee shall not conduct the initial performance test until after the petition has been approved by the EPA.

(Ref.: 40 CFR 63.6120(e), Subpart YYYY)

- 3.B.20 For Emission Point AA-016, the permittee shall maintain the 4-hour rolling average of the operating limitation(s) approved by EPA. If the permittee is approved by EPA for no additional operating limits then the permittee will not be required to comply with this condition.

(Ref.: 40 CFR 63.6095(a)(4), 63.6100, and Table 2, Subpart YYYY)

- 3.B.21 For Emission Point AA-016, at all times, the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices

for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the DEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(Ref.: 40 CFR 63.6105(c), Subpart YYYYY)

- 3.B.22 For Emission Point AA-000, the permittee is subject to and shall comply with all applicable requirements of Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction commenced after September 18, 2015 (40 CFR 60, Subpart OOOOa) and the General Provisions (40 CFR 60, Subpart A).

(Ref. 40 CFR 60.5360a(a) and 60.5365a(j), Subpart OOOOa)

- 3.B.23 For Emission Point AA-000, the permittee shall comply with 40 CFR 60, Subpart OOOOa upon startup of Emission Point AA-016.

(Ref.: 40 CFR 60.5370a(a), Subpart OOOOa)

- 3.B.24 For Emission Point AA-000, the permittee shall maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to DEQ which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. The provisions for exemption from compliance during periods of startup, shutdown and malfunctions provided for in 40 CFR 60.8(c) do not apply to this subpart.

(Ref.: 40 CFR 60.5370a(b), Subpart OOOOa)

- 3.B.25 For Emission Point AA-017, the permittee is subject to and shall comply with all applicable requirements of the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40 CFR 60, Subpart JJJJ) and the General Provisions (40 CFR 60, Subpart A).

(Ref.: 40 CFR 60.4230(a)(4)(iv), Subpart JJJJ)

- 3.B.26 For Emission Point AA-017, the permittee shall operate and maintain the engine such that it meets the following standards over the entire life of the engine:

- (a) $\text{NO}_x \leq 2.0 \text{ g/HP-hr}$
- (b) $\text{CO} \leq 4.0 \text{ g/HP-hr}$
- (c) $\text{VOC} \leq 1.0 \text{ g/HP-hr}$

(Ref.: 40 CFR 60.4233(d), 60.4234, and Table 1 of Subpart JJJJ)

3.B.27 For Emission Point AA-017, the permittee shall demonstrate compliance with the emission standards by purchasing a certified engine and operating and maintaining the certified engine according to the manufacturer's emission-related written instructions. The permittee may adjust engine settings provided the adjustments are consistent with the manufacturer's instructions.

(Ref.: 40 CFR 60.4243(b)(1), Subpart JJJJ)

3.B.28 For Emission Point AA-017, shall operate the emergency engine according to the following requirements.

- (a) There is no limit on the use of the engine during an emergency situation.
- (b) The permittee may operate the engine for maintenance checks and readiness testing for a maximum of 100 hours per calendar year provided the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or insurance company associated with an engine. The permittee may petition the DEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating the federal, state, or local standards require maintenance testing of an engine beyond 100 hours per calendar year.
- (c) The emergency engine may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (b).

(Ref.: 40 CFR 60.4243(d)(1)-(3), Subpart JJJJ)

3.B.29 For Emission Point AA-017, the permittee shall install a non-resettable hour meter if one is not already installed.

(Ref.: 40 CFR 60.4237(c), Subpart JJJJ)

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	PM	0.6 lbs/MMBTU
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2	SO ₂	4.8 lbs/MMBTU

3.C.1 The maximum permissible emission of ash and/or particulate matter 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

None

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).)

- 4.3 For Emission Point AA-016, the permittee shall be in compliance with either NSPS OOOOa or OOOOb depending on the promulgation date for NSPS OOOOb. The permittee shall meet all applicable requirements for NSPS OOOOb or NSPS OOOOa. If the emission point is an effected source under NSPS OOOOb then Emission Point AA-016 will no longer have to meet the applicable requirements of NSPS OOOOa at that time.

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

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
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).	5.B.1	Fuel	Monitoring and Recordkeeping Requirements
AA-012	PSD Construction Permit issued May 14, 1991 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).	5.B.2	NO _x	Performance Testing Requirements
AA-013 and AA-014	PSD Construction Permit issued October 14, 1993 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).	5.B.3	NO _x , CO, and VOC	Monitoring and Testing Requirements
AA-015	PSD Construction Permit issued October 14, 1993 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).	5.B.4	Operations	Monitoring and Recordkeeping Requirements
AA-016	40 CFR 60.4340(a), 60.4340(b) and 60.4355(a), Subpart KKKK	5.B.5	NO _x	Performance Test or Alternative Continuous Parameter Monitoring Requirements
	40 CFR 60.4360 and 60.4365(a), Subpart KKKK and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).	5.B.6	Fuel Content	Fuel Records
AA-016	40 CFR 63.6110, Subpart YYYY	5.B.7	Formaldehyde	Initial Performance Testing Requirements
	40 CFR 63.6115 and 63.6120, Subpart YYYY	5.B.8		Performance Testing Requirements
	40 CFR 63.6125(b), 63.6140(a), and Table 5, Subpart YYYY	5.B.9		Compliance Demonstration
	40 CFR 63.6130(a) and Table 4, Subpart YYYY	5.B.10		Compliance Demonstration
	40 CFR 63.6135, Subpart YYYY	5.B.11		Monitoring and Recordkeeping Requirements
	40 CFR 63.6155, Subpart YYYY	5.B.12		Recordkeeping Requirements
	40 CFR 63.6160, Subpart YYYY	5.B.13		Recordkeeping Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Monitoring/Recordkeeping Requirement
AA-000	40 CFR 60.5397a(b), Subpart OOOOa	5.B.14	VOC	Develop a fugitive monitoring plan
	40 CFR 60.5397a(c) and (d), Subpart OOOOa	5.B.15		
	40 CFR 60.5397a(e) and (f)(2), Subpart OOOOa	5.B.16		Conduct initial monitoring survey
	40 CFR 60.5397a(g), Subpart OOOOa	5.B.17		Subsequent monitoring surveys
	40 CFR 60.5397a(h), Subpart OOOOa	5.B.18		Repair
	40 CFR 60.5397a(i), Subpart OOOOa	5.B.19		Recordkeeping
	40 CFR 60.5420a(c)(15), Subpart OOOOa	5.B.20		Recordkeeping
AA-017	40 CFR 60.4237(c) and 60.4245(b), Subpart JJJJ	5.B.21	Hours of Operation	Record hours of operation and purpose

5.B.1 For the entire facility, the permittee shall maintain the type, quantity, and quality (e.g., sulfur content, heating value, etc.) of fuel(s) used on a monthly basis in accordance with paragraph 5.A.3.

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

5.B.2 For Emission Point AA-012, the permittee shall demonstrate compliance with NO_x emission limitations by stack testing biennially (not to exceed 25 months from the previous performance stack test), using either EPA Reference Method 20, ASTM D6522-00, EPA Reference Method 7E and 3 or 3A, 40 CFR 60, Appendix A, or another EPA approved methodology. Stack testing shall be performed while under normal operating conditions and while operating at or within 90% of maximum operating capacity

(Ref.: PSD Construction Permit issued May 14, 1991 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)

- 5.B.3 For Emission Points AA-013 and AA-014, the permittee shall demonstrate compliance with the NO_x, CO, and VOC emission limitations by stack testing biennially (not to exceed 25 months from the previous performance stack test) using EPA Reference Methods 7, 10, and 25A, respectively, or EPA approved equivalents. Stack testing shall be performed under normal operating conditions and while operating at or within 90% of maximum operating capacity.

(Ref.: PSD Construction Permit issued October 14, 1993 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)

- 5.B.4 For Emission Point AA-015, the permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter required by Condition 3.B.11. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(Ref.: PSD Construction Permit issued October 14, 1993 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)

- 5.B.5 For Emission Point AA-016, the permittee shall perform annual (no more than 14 months following the previous performance test) performance tests in accordance with 40 CFR 60.4400 to demonstrate continuous compliance with the 25 ppmvd at 15% O₂ Nitrogen Oxides (NO_x) emission limitation specified in Condition 3.B.14. If the NO_x emission result from the performance test is less than or equal to 75 percent of the NO_x emission limit for the turbine, the permittee may reduce the frequency of subsequent performance tests to once every 2 years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceed 75 percent of the NO_x emission limit for the turbine, annual performance tests must be resumed.

As an alternative to 40 CFR 60.4340(a), continuous parameter monitoring system may be installed, calibrated, maintained and operated in accordance with 40 CFR 60.4340(b)(2)(i) through (iv).

Parameters that are continuously monitored as described in 40 CFR 60.4335 and 40 CFR 60.4340 must be monitored during the performance test required under 40 CFR 60.8, to establish acceptable values and ranges. You may supplement the performance test data with engineering analyses, designs specifications, manufacturer's recommendations and other relevant information to define the acceptable parametric ranges more precisely. Develop and keep on-site a parameter monitoring plan that includes the information specified in 40 CFR 60.4355(a)(1) through (6).

(Ref.: 40 CFR 60.4340(a), 60.4340(b) and 60.4355(a) Subpart KKKK)

- 5.B.6 For Emission Point AA-016, the permittee shall monitor the total sulfur content of the fuel being fired by the turbine. The permittee shall maintain on site the natural gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the natural gas, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf (338 ppmv) or less and is either composed of at least 70% methane by volume or has a gross calorific value between 950 and 1,100 Btu/scf. The permittee shall make a copy of the current, valid tariff sheet available upon request by DEQ personnel and maintain this data in accordance with Condition 5.A.3.

(Ref: 40 CFR 60.4360 and 60.4365(a), Subpart KKKK and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.B.7 For Emission Point AA-016, the permittee shall conduct the initial performance tests or other initial compliance demonstrations in Table 4 of 40 CFR 63, Subpart YYYY that apply to the permittee within 180 days after startup of turbine, and according to the provisions in 40 CFR 63.7(a)(2).

(Ref.: 40 CFR 63.6110, Subpart YYYY)

- 5.B.8 For Emission Point AA-016, the permittee shall conduct subsequent performance tests on an annual basis (not to exceed 13 months from the previous one) as specified in Table 3 of 40 CFR 63 Subpart YYYY and below:

- (a) Performance tests shall be conducted at high load, defined as 100 percent plus or minus 10 percent. Performance tests shall be conducted under such conditions based on representative performance of the affected source for the period being tested. Representative conditions exclude periods of startup and shutdown. The permittee may not conduct performance tests during periods of malfunction. The permittee shall record the process information that is necessary to document operating conditions during the test and include in such record an explanation to support that such conditions represent normal operation. Upon request, the permittee shall make available to DEQ such records as may be necessary to determine the conditions of performance tests.
- (b) The permittee shall conduct three separate test runs for each performance test, and each test run shall last at least 1 hour.
- (c) If the stationary combustion turbine is not equipped with an oxidation catalyst, the permittee shall petition the Environmental Protection Agency (EPA) for operating limitations that the permittee will monitor to demonstrate compliance with the formaldehyde emission limitation in Condition 3.B.18. The permittee shall measure these operating parameters during the initial performance test and continuously monitor thereafter. Alternatively, the permittee may petition the EPA for approval of no additional operating limitations. If the permittee submits a petition under this section, the permittee shall not conduct the initial performance test until after the petition has been approved or disapproved by the EPA.

- (d) If the stationary combustion turbine is not equipped with an oxidation catalyst and the permittee petitions the EPA for approval of additional operating limitations to demonstrate compliance with the formaldehyde emission limitation in Condition 3.B.18, the petition shall include the following information described below:
- (1) Identification of the specific parameters the permittee proposes to use as additional operating limitations;
 - (2) A discussion of the relationship between these parameters and HAP emissions, identifying how HAP emissions change with changes in these parameters and how limitations on these parameters will serve to limit HAP emissions;
 - (3) A discussion of how the permittee will establish the upper and/or lower values for these parameters which will establish the limits on these parameters in the operating limitations;
 - (4) A discussion identifying the methods the permittee will use to measure and the instruments the permittee will use to monitor these parameters, as well as the relative accuracy and precision of these methods and instruments; and
 - (5) A discussion identifying the frequency and methods for recalibrating the instruments the permittee will use for monitoring these parameters.
- (e) If the permittee petitions the EPA for approval of no additional operating limitations, the petition shall include the information described below:
- (1) Identification of the parameters associated with operation of the stationary combustion turbine and any emission control device which could change intentionally (*e.g.*, operator adjustment, automatic controller adjustment, etc.) or unintentionally (*e.g.*, wear and tear, error, etc.) on a routine basis or over time;
 - (2) A discussion of the relationship, if any, between changes in the parameters and changes in HAP emissions;
 - (3) For the parameters which could change in such a way as to increase HAP emissions, a discussion of why establishing limitations on the parameters is not possible;
 - (4) For the parameters which could change in such a way as to increase HAP emissions, a discussion of why the permittee could not establish upper and/or lower values for the parameters which would establish limits on the parameters as operating limitations;

- (5) For the parameters which could change in such a way as to increase HAP emissions, a discussion identifying the methods the permittee could use to measure them and the instruments the permittee could use to monitor them, as well as the relative accuracy and precision of the methods and instruments;
- (6) For the parameters, a discussion identifying the frequency and methods for recalibrating the instruments the permittee could use to monitor them; and
- (7) A discussion of why, from the permittee's point of view, it is infeasible, unreasonable or unnecessary to adopt the parameters as operating limitations.

(Ref.: 40 CFR 63.6115 and 63.6120, Subpart YYYY)

- 5.B.9 For Emission Point AA-016, the permittee shall continuously monitor any parameters specified in the permittee's approved petition to the EPA.

(Ref.: 40 CFR 63.6125(b), 63.6140(a), and Table 5, Subpart YYYY)

- 5.B.10 For Emission Point AA-016, the permittee shall demonstrate initial compliance with the emission and operating limitation by demonstrating that the average formaldehyde concentration meets the emission limitations specified in Condition 3.B.18.

(Ref.: 40 CFR 63.6130(a) and Table 4, Subpart YYYY)

- 5.B.11 For Emission Point AA-016, except for monitor malfunctions, associated repairs, and required quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments of the monitoring system), the permittee shall conduct all parametric monitoring at all times the stationary combustion turbine is operating.

Do not use data recorded during monitor malfunctions, associated repairs, and required quality assurance or quality control activities for meeting the requirements of 40 CFR 63 Subpart YYYY, including data averages and calculations. The permittee shall use all the data collected during all other periods in assessing the performance of the control device or in assessing emissions from the stationary combustion turbine.

(Ref.: 40 CFR 63.6135, Subpart YYYY)

- 5.B.12 For Emission Point AA-016, the permittee shall keep the records as described below:

- (a) A copy of each notification and report that the permittee submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that the permittee submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

- (b) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).
- (c) Records of all maintenance on the air pollution control equipment as required in 40 CFR 63.10(b)(2)(iii).
- (d) Records of the date, time, and duration of each startup period, recording the periods when the affected source was subject to the standard applicable to startup.
- (e) Records as follows:
 - (1) Record the number of deviations. For each deviation, record the date, time, cause, and duration of the deviation.
 - (2) For each deviation, record and retain a list of the affected sources or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit and a description of the method used to estimate the emissions.
 - (3) Record actions taken to minimize emissions in accordance with Condition 3.B.20, and any corrective actions taken to return the affected unit to its normal or usual manner of operation.
- (f) Records required in Table 5 of 40 CFR 63 Subpart YYYY to show continuous compliance with each operating limitation that applies to the permittee.
- (g) Any records required to be maintained by this part that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

(Ref.: 40 CFR 63.6155(a)(1), (a)(2), (a)(5)-(a)(7), (c), and (d) Subpart YYYY)

- 5.B.13 For Emission Point AA-016, the permittee shall maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). As specified in 40 CFR 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall retain records of the most recent 2 years on site or records shall be accessible on site. Records of the remaining 3 years may be retained off site.

(Ref.: 40 CFR 63.6160, Subpart YYYY)

5.B.14 For Emission Point AA-000, the permittee shall develop an emissions monitoring plan that covers the collection of fugitive emissions components at compressor stations within each company-defined area in accordance with Condition 5.B.16.

(Ref.: 40 CFR 60.5397a(b), Subpart OOOOa)

5.B.15 For Emission Point AA-000, fugitive emissions monitoring plans must include the elements specified in 40 CFR 60.5397a(c)(1) through (8), at a minimum.

(a) The monitoring plan shall include:

- (1) Frequency for conducting surveys. Surveys must be conducted at least as frequently as required by 40 CFR 60.5397a(f) and (g).
- (2) Technique for determining fugitive emissions (*i.e.*, Method 21 of appendix A-7 to this part or optical gas imaging meeting the requirements in 40 CFR 60.5397a(c)(7)(i) through (vii).
- (3) Manufacturer and model number of fugitive emissions detection equipment to be used.
- (4) Procedures and timeframes for identifying and repairing fugitive emissions components from which fugitive emissions are detected, including timeframes for fugitive emission components that are unsafe to repair. Your repair schedule must meet the requirements of 40 CFR 60.5397a(h).
- (5) Procedures and timeframes for verifying fugitive emission component repairs.
- (6) Records that will be kept and the length of time records will be kept.
- (7) If you are using optical gas imaging, your plan shall also include the elements specified in 40 CFR 60.5397a(c)(7)(i) through (vii).
- (8) If you are using Method 21 of appendix A-7 of this part, your plan shall also include the elements specified in 40 CFR 60.5397a(c)(8)(i) through (iii). For the purposes of complying with the fugitive emissions monitoring program using Method 21 of appendix A-7 of this part a fugitive emission is defined as an instrument reading of 500 ppm or greater.

(b) Each fugitive emissions monitoring plan must include the elements specified in 40 CFR 60.5397a(d)(1) through (3), at a minimum, as applicable.

- (1) If you are using optical gas imaging, your plan shall include procedures to ensure that all fugitive emissions components are monitored during each survey. Example procedures include, but are not limited to, a sitemap with an observation path, a written narrative of where the fugitive emissions

components are located and how they will be monitored, or an inventory of fugitive emissions components.

- (2) If you are using Method 21 of appendix A-7 of this part, your plan shall include a list of fugitive emissions components to be monitored and method for determining the location of fugitive emissions components to be monitored in the field (*e.g.*, tagging, identification on a process and instrumentation diagram, etc.).
- (3) Your fugitive emissions monitoring plan shall include the written plan developed for all of the fugitive emissions components designated as difficult-to-monitor in accordance with 40 CFR 60.5397a(g)(3), and the written plan for fugitive emissions components designated as unsafe-to-monitor in accordance with 40 CFR 60.5397a(g)(4).

(Ref.: 40 CFR 60.5397a(c) and (d), Subpart OOOOa)

5.B.16 For Emission Point AA-000, each monitoring survey shall observe each fugitive emissions component. The permittee shall conduct an initial monitoring survey within 90 days of the startup of a new compressor (Emission Point AA-016) for each collection of fugitive emissions components. (Ref.: 40 CFR 60.5397(e) and (f)(2), Subpart OOOOa)

5.B.17 For Emission Point AA-000, a monitoring survey of each collection of fugitive emissions components shall be performed at the frequencies specified in 40 CFR 60.5397a(g)(2), with the exceptions noted in 40 CFR 60.5397a(g)(3) through (4).

- (a) A monitoring survey of the collection of fugitive emissions components at a compressor station must be conducted at least semiannually after the initial survey. Consecutive semiannual monitoring surveys must be conducted at least 4 months apart and no more than 7 months apart.
- (b) Fugitive emissions components that cannot be monitored without elevating the monitoring personnel more than 2 meters above the surface may be designated as difficult-to-monitor. Fugitive emissions components that are designated difficult-to-monitor must meet the specifications of 40 CFR 60.5397a(g)(3)(i) through (iv).
- (c) Fugitive emissions components that cannot be monitored because monitoring personnel would be exposed to immediate danger while conducting a monitoring survey may be designated as unsafe-to-monitor. Fugitive emissions components that are designated unsafe-to-monitor must meet the specifications of 40 CFR 60.5397a(g)(4)(i) through (iv).

(Ref.: 40 CFR 60.5397a(g), Subpart OOOOa)

- 5.B.18 For Emission Point AA-000, each identified source of fugitive emissions shall be repaired, as defined in 40 CFR 60.5430a, in accordance with 40 CFR 60.5397a(h)(1) and (2).
- (a) A first attempt at repair shall be made no later than 30 calendar days after detection of the fugitive emissions.
 - (b) Repair shall be completed as soon as practicable, but no later than 30 calendar days after the first attempt at repair as required in 40 CFR 60.5397a(h)(1).
 - (c) If the repair is technically infeasible, would require a vent blowdown, a compressor station shutdown, a well shutdown or well shut-in, or would be unsafe to repair during operation of the unit, the repair must be completed during the next scheduled compressor station shutdown for maintenance, scheduled well shutdown, scheduled well shut-in, after a scheduled vent blowdown, or within 2 years, whichever is earliest. A vent blowdown is the opening of one or more blowdown valves to depressurize major production and processing equipment, other than a storage vessel.
 - (d) Each identified source of fugitive emissions must be resurveyed to complete repair according to the requirements in 40 CFR 60.5397a(h)(4)(i) through (iv), to ensure that there are no fugitive emissions.

(Ref.: 40 CFR 60.5397a(h), Subpart OOOOa)

- 5.B.19 For Emission Point AA-000, records for each monitoring survey shall be maintained as specified 40 CFR 60.5420a(c)(15).

(Ref.: 40 CFR 60.5397a(i), Subpart OOOOa)

- 5.B.20 For Emission Point AA-000, for each collection of fugitive emissions components at a compressor station, maintain the records identified in 40 CFR 60.5420(c)(15)(i) through (viii).

- (a) The date of startup or the date of modification for each collection of fugitive emissions components at a compressor station.
- (b) The fugitive emissions monitoring plan as required in 40 CFR 60.5397a(b), (c), and (d).
- (c) The records of each monitoring survey as specified in 40 CFR 60.5420a(c)(15)(vii)(A) through (I).
- (d) For each collection of fugitive emissions components at a compressor station complying with an alternative means of emissions limitation under 40 CFR 60.59399a, the permittee shall maintain the records specified by the specific alternative fugitive emissions standard for a period of at least 5 years.

(Ref.: 40 CFR 63.5420a(c)(15), Subpart OOOOa)

- 5.B.21 For Emission Point AA-017, the permittee shall keep records of the operation of the engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent in emergency operation, included what classified the operation as an emergency, and how many hours are spent in non-emergency operation.

(Ref.: 40 CFR 60.4237(c) and 60.4245(b), Subpart JJJJ)

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Reporting Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.C.1	Fuel	Submit semiannual reports of fuel usage
AA-012 through AA-014	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.C.2	Performance Stack Tests	Submit stack test notifications, protocols, and results
AA-015	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.C.3	Hours	Submit semiannual reports of operations
AA-016	40 CFR 60.4375(b), 60.4380(c), Subpart KKKK and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.C.4	NOx and SO ₂	Submit stack test notifications, protocols, and results. Alternatively, submit excess emissions and monitor downtime report.
AA-016	40 CFR 63.6130(b), Subpart YYYY	5.C.5	Formaldehyde	Submit Notification of Compliance
	40 CFR 63.6120(e) Subpart YYYY	5.C.6		Petition EPA for operating limitations
	40 CFR 63.6140(b) and 63.6150, Subpart YYYY	5.C.7		Submit Deviations
	40 CFR 63.6145(a), (c), (e), and (f), Subpart YYYY	5.C.8		Submit Notifications
	40 CFR 63.6150(a) and (b), Subpart YYYY	5.C.9		Submit Semiannual Compliance Reports
	40 CFR 6150(f), Subpart YYYY	5.C.10		Submit Stack Test Reports
	40 CFR 63.6150(g), (h), (i), and Table 6, Subpart YYYY	5.C.11		Submit Stack Test Reports
Facility Wide (Fugitives)	40 CFR 60.5397a(j), Subpart OOOOa	5.C.12	VOC	Annual Reporting

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Reporting Requirement
	40 CFR 60.5420a(b)(1), (7), and (11), Subpart OOOOa	5.C.13		Annual Reporting
AA-017	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).	5.C.14	Hours of Operation	Reporting

5.C.1 For the entire facility, the permittee shall provide a summary semiannual report of the fuel type, quantity, and quality records (e.g., sulfur content, heating value, etc.) in accordance with Condition 5.A.4.

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

5.C.2 For Emission Points AA-012, AA-013 and AA-014, the permittee shall submit a written test protocol at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the DEQ. Also, the permittee shall notify the DEQ in writing at least ten (10) days prior to the intended test dates(s) so that an observer may be afforded the opportunity to witness the test.

The results of the performance testing shall be submitted to the DEQ within sixty (60) days of the stack test event.

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

5.C.3 For Emission Point AA-015, the permittee shall submit semiannual reports in accordance with Condition 5.A.4 showing the records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. This report must contain at a minimum the records required by Condition 5.B.4.

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

5.C.4 For Emission Point AA-016, the permittee shall submit a written report of the results of the performance tests required in Conditions 5.B.5 and 5.B.6 before the close of business on the 60th day following the completion of the performance test.

For all required testing, the permittee shall submit a written test protocol at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the DEQ. Also, the permittee shall notify the DEQ in writing at least ten (10) days prior to the intended test date(s) so that an observer may be afforded the opportunity to witness the test.

Alternatively, if monitoring combustion parameters or parameters that document proper operation of the NO_x emission controls, periods of excess emissions and monitor downtime must be reported for the purpose of reports required under 40 CFR 60.7(c). An excess emission is a 4-hour rolling unit operating hour average in which any monitored parameter does not achieve the target value or is outside the acceptable range defined in the parameter monitoring plan for the unit. A period of monitor downtime is a unit operating hour in which any of the required parametric data are either not recorded or are invalidate.

(Ref.: 40 CFR 60.4375(b), 60.4380(c), Subpart KKKK and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.C.5 For Emission Point AA-016, the permittee shall submit the Notification of Compliance Status containing results of the initial compliance demonstration according to the requirements in 40 CFR 63.6145(f).

(Ref.: 40 CFR 63.6130(b), Subpart YYYY)

- 5.C.6 For Emission Point AA-016, the permittee shall petition the EPA for operating limitations that the permittee will monitor to demonstrate compliance with the formaldehyde emission limitation in Condition 3.B.18. The permittee shall measure these operating parameters during the initial performance test and continuously monitor thereafter. Alternatively, the permittee may petition the EPA for approval of no additional operating limitations. The petition shall contain at a minimum the information required by Condition 5.B.9 (d) or (e). The permittee shall not conduct the initial performance test until after the petition has been approved by the EPA.

(Ref.: 40 CFR 63.6120(e), Subpart YYYY)

- 5.C.7 For Emission Point AA-016, the permittee shall report each instance in which the permittee did not meet each emission imitation or operating limitation. The permittee shall also report each instance in which the permittee did not meet the applicable requirements in Table 7 of 40 CFR 63 Subpart YYYY. These instances are deviations from the emission and operating limitations in 40 CFR 63 Subpart YYYY. These deviations shall be reported in accordance with Condition 5.A.4.

(Ref.: 40 CFR 63.6140(b), Subpart YYYY)

- 5.C.8 For Emission Point AA-016, the permittee shall submit the following:
- (a) All of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), 63.8(f)(4), and 63.9(b) and (h) that apply by the dates specified.
 - (b) As specified in 40 CFR 63.9(b), an Initial Notification no later than 120 days after the source becomes subject to 40 CFR 63 Subpart YYYY.

- (c) A notification of intent to conduct an initial performance test at least 60 calendar days before the initial performance test is scheduled to begin as required in 40 CFR 63.7(b)(1).
- (d) A Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii). For each performance test required to demonstrate compliance with the emission limitation for formaldehyde, the permittee shall submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th calendar day following the completion of the performance test.

(Ref.: 40 CFR 63.6145(a), (c), (e), and (f), Subpart YYYY)

5.C.9 For Emission Point AA-016, the permittee shall submit a semiannual compliance report in accordance with Condition 5.A.4. The semiannual compliance report shall contain the information described below. The semiannual compliance report, including the excess emissions and monitoring system performance reports of 40 CFR 63.10(e)(3), shall be submitted by the dates specified below, unless the DEQ has approved a different schedule.

- (a) Company name and address.
- (b) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (c) Date of report and beginning and ending dates of the reporting period.
- (d) Report each deviation in the semiannual compliance report. Report the information specified below:
 - (1) Report the number of deviations. For each instance, report the start date, start time, duration, and cause of each deviation, and the corrective action taken.
 - (2) For each deviation, the report shall include a list of the affected sources or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, a description of the method used to estimate the emissions.
 - (3) Information on the number, duration, and cause for monitor downtime incidents (including unknown cause, if applicable, other than downtime associated with zero and span and other daily calibration checks), as applicable, and the corrective action taken.
 - (4) Report the total operating time of the affected source during the reporting period.
- (e) The first semiannual compliance report shall cover the period beginning the date of

startup, and ending on either June 30 or December 31, and shall be postmarked or delivered no later than either July 31 or January 31.

- (f) Each subsequent semiannual compliance report shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
- (g) Each subsequent semiannual compliance report shall be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Ref.: 40 CFR 63.6150(a), (b), and Table 6, Subpart YYYY)

5.C.10 For Emission Point AA-016, within 60 days after the date of completing each performance test required by this subpart, the permittee shall submit the results of the performance test to DEQ and EPA (as specified in 40 CFR 63.6145(f) following the procedures specified below):

- (a) Data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (<https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>) at the time of the test. Submit the results of the performance test to the EPA via the CEDRI, which can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). The data shall be submitted in a file format generated through the use of the EPA's ERT. Alternatively, the permittee may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.
- (b) ***Data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test.*** The results of the performance test shall be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.
- (c) ***Confidential business information (CBI).*** If the permittee claims some of the information submitted under Condition 5.C.8(a) is CBI, the permittee shall submit a complete file, including information claimed to be CBI, to the EPA. The file shall be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described in Condition 5.C.9(a).

(Ref.: 40 CFR 63.6150(f) and Table 6, Subpart YYYY)

5.C.11 For Emission Point AA-016, the permittee shall submit reports to the EPA via CEDRI, which can be accessed through the EPA's CDX (<https://cdx.epa.gov/>). The permittee shall use the appropriate electronic report template on the CEDRI website (<https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri>) 40 CFR 63 Subpart YYYYY. The report shall be submitted by the deadline specified in 40 CFR 63 Subpart YYYYY, regardless of the method in which the report is submitted. If the permittee claims some of the information required to be submitted via CEDRI is CBI, submit a complete report, including information claimed to be CBI, to the EPA. The report shall be generated using the appropriate form on the CEDRI website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph. The permittee may assert a claim of EPA system outage for failure to timely comply with the reporting requirement.

To assert a claim of EPA system outage, the permittee shall meet the requirements outlined below:

- (a) The permittee shall have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.
- (b) The outage shall have occurred within the period of time beginning five business days prior to the date that the submission is due.
- (c) The outage may be planned or unplanned.
- (d) The permittee shall submit notification to the EPA in writing as soon as possible following the date the permittee first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.
- (e) The permittee shall provide to the EPA a written description identifying:
 - (1) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;
 - (2) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;
 - (3) Measures taken or to be taken to minimize the delay in reporting; and
 - (4) The date by which the permittee proposes to report, or if the permittee has already met the reporting requirement at the time of the notification, the date

the permittee reported.

- (f) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the EPA.
- (g) In any circumstance, the report shall be submitted electronically as soon as possible after the outage is resolved.

The Permittee may assert a claim of force majeure for failure to timely comply with the reporting requirement. To assert a claim of force majeure, the permittee shall meet the requirements outlined below:

- (a) The permittee may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents the permittee from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (*e.g.*, hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (*e.g.*, large scale power outage).
- (b) The permittee shall submit notification to the EPA in writing as soon as possible following the date the permittee first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting
- (c) The permittee shall provide to the EPA:
 - (1) A written description of the force majeure event;
 - (2) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;
 - (3) Measures taken or to be taken to minimize the delay in reporting; and
 - (4) The date by which the permittee proposes to report, or if the permittee has already met the reporting requirement at the time of the notification, the date the permittee reported.
- (d) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the EPA.
- (e) In any circumstance, the reporting shall occur as soon as possible after the force majeure event occurs.

(Ref.: 40 CFR 63.6150(g), (h), (i), and Table 6, Subpart YYYY)

- 5.C.12 For Emission Point AA-000, annual reports shall be submitted for each collection of fugitive emissions components that include the information specified in 40 CFR 60.5420a(b)(7). Multiple collection of fugitive emission components may be included in a single annual report.

(Ref.: 40 CFR 60.5397a(j), Subpart OOOOa)

- 5.C.13 For Emission Point AA-000, the permittee shall submit annual reports containing the information specified in 40 CFR 60.5420a(b)(1) and (7). The permittee shall submit annual reports following the procedure specified in 40 CFR 60.5420a(b)(11). The initial annual report is due no later than 90 days after the end of the initial compliance period. Subsequent annual reports are due no later than same date each year as the initial annual report. Annual reports may coincide with title V reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.

- (a) The general information specified in 60.5420a(b)(1)(i) through (iv) is required for all reports.
- (i) The company name, facility site name associated with the affected facility, U.S. Well ID or U.S. Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
 - (ii) An identification of each affected facility being included in the annual report.
 - (iii) Beginning and ending dates of the reporting period.
 - (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) For the collection of fugitive emissions components at each compressor station, report the information specified in 60.5420a(b)(7)(i) through (iii), as applicable.
- (i) The following shall be included in the annual report.
 - (A) Designation of the type of site (*i.e.*, well site or compressor station) at which the collection of fugitive emissions components is located.

- (B) For each collection of fugitive emissions components at a compressor station that became an affected facility during the reporting period, you must include the date of startup or the date of modification.
- (ii) For each fugitive emissions monitoring survey performed during the annual reporting period, the information specified in 40 CFR 60.5420a(b)(7)(ii)(A) through (G).
 - (A) Date of the survey.
 - (B) Monitoring instrument used.
 - (C) Any deviations from the monitoring plan elements under 40 CFR 60.5397a(c)(1), (2), and (7) and (c)(8)(i) or a statement that there were no deviations from these elements of the monitoring plan.
 - (D) Number and type of components for which fugitive emissions were detected.
 - (E) Number and type of fugitive emissions components that were not repaired as required in 40 CFR 60.5397a(h).
 - (F) Number and type of fugitive emission components (including designation as difficult-to-monitor or unsafe-to-monitor, if applicable) on delay of repair and explanation for each delay of repair.
 - (G) Date of planned shutdown(s) that occurred during the reporting period if there are any components that have been placed on delay of repair.
- (c) The permittee shall submit reports to the EPA via CEDRI, except as outlined in 40 CFR 60.5420a(b)(11). (CEDRI can be accessed through the EPA's CDX (<https://cdx.epa.gov/>.) The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Anything submitted using CEDRI cannot later be claimed CBI. You must use the appropriate electronic report in CEDRI for this subpart or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI website (<https://www.epa.gov/electronic-reporting-air-emissions/cedri/>). If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the EPA at the appropriate address listed in 40 CFR 60.4. Once the form has been available in CEDRI for at least 90 calendar days, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim, submit a complete report generated

using the appropriate form in CEDRI or an alternate electronic file consistent with the XML schema listed on the EPA's CEDRI website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Fuels and Incineration Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via CEDRI. All CBI claims must be asserted at the time of submission. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available.

(Ref.: 40 CFR 60.5420a(b)(1), (7), and (11), Subpart OOOOa)

- 5.C.14 For Emission Point AA-017, the permittee shall report the annual hours each engine operated in emergency use, including what constituted the emergency, and the annual hours operated in non-emergency use. These hours shall be submitted for each calendar year in accordance with Condition 5.A.4.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

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;
 - (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

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. Episodes	Regulations for the Prevention of Air Pollution Emergency
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
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
NM VOC	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

APPENDIX B

LIST OF REGULATIONS REFERENCED IN PERMIT

The full text of the regulations referenced in this permit may be found on-line at <http://www.deq.state.us.us> and <http://ecfr.gpoaccess.gov>, or the Mississippi Department of Environmental Quality (DEQ) will provide a copy upon request. A list of regulations referenced in this permit is shown below:

11 Miss. Admin. Code Pt. 2, Ch. 1, Mississippi Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants (Amended December 14, 2011)

11 Miss. Admin. Code Pt. 2, Ch. 6, Mississippi Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Air Emissions Operating Permit Regulations for the Purpose of Title V of the Federal Clean Air Act (Amended December 14, 2011)

40 CFR Part 82 - Title VI of the Clean Air Act (Stratospheric Ozone Protection)

40 CFR 63, Subpart A – General Provisions

40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines