STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
TITLE V PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Gulf South Pipeline Company LLC, Petal Compressor Station
1382 Highway 11 North
Petal, Mississippi
Forrest 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: July 18, 2024

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

Becky Simonson

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Expires: June 30, 2029 **Permit No.: 0800-00050**

12433 PER20230001

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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-003	2,587 HP Waukesha Model 12VAT25GL four stroke lean burn (4SLB) spark ignition (SI) natural gas-fired compressor engine with oxidation catalyst (Facility Ref. HGS)
AA-004	1.5 MMBTUH natural gas-fired Glycol Reboiler No. 1 (Facility Ref. HGS)
AA-005	1.5 MMBTUH natural gas-fired Glycol Reboiler No. 2 (Facility Ref. HGS)
AA-006	0.5 MMBTUH natural gas-fired Glycol Reboiler No. 3 (Facility Ref. HGS)
AA-007	1.3 MMBTUH natural gas-fired Glycol Reboiler No. 4 (Facility Ref. HGS)
AA-008	1,478 HP Waukesha Model 7042GL 4SLB SI natural gas-fired compressor engine with oxidation catalyst (Facility Ref. HGS)
AA-014	Regenerator Still Vent No. 1 (Facility Ref. HGS)
AA-015	Regenerator Still Vent No. 2 (Facility Ref. HGS)
AA-016	Regenerator Still Vent No. 3 (Facility Ref. HGS)
AA-017	Regenerator Still Vent No. 4 (Facility Ref. HGS)
AA-018	200 HP John Deere Model 6076 compression ignition (CI) diesel-fired emergency power generator engine (Facility Ref. HGS)
AB-001	2,087 HP Waukesha Model 8LAT27GL 4SLB SI natural gas-fired compressor engine with oxidation catalyst (Facility Ref. PGS)
AB-002	2,087 HP Waukesha Model 8LAT27GL 4SLB SI natural gas-fired compressor engine with oxidation catalyst (Facility Ref. PGS)
AB-003	2,087 HP Waukesha Model 8LAT27GL 4SLB SI natural gas-fired compressor engine with oxidation catalyst (Facility Ref. PGS)
AB-004	2,087 HP Waukesha Model 8LAT27GL 4SLB SI natural gas-fired compressor engine with oxidation catalyst (Facility Ref. PGS)
AB-005	2,087 HP Waukesha Model 8LAT27GL 4SLB SI natural gas-fired compressor engine with oxidation catalyst (Facility Ref. PGS)
AB-006	1.7 MMBTUH natural gas-fired Petal I Line Heater (Facility Ref. PGS)
AB-007	1.4 MMBTUH natural gas-fired Petal II Glycol Reboiler (Facility Ref. PGS)
AB-008	280 HP Cummins Model GTA12 4SLB SI natural gas-fired emergency power generator engine (Facility Ref. PGS)
AB-010	1.5 MMBTUH natural gas-fired Petal I Glycol Reboiler (Facility Ref. PGS)

Emission Point	Description
AB-011	15 MMBTUH natural gas-fired Petal II Line Heater (Facility Ref. PGS)
AB-012	15 MMBTUH natural gas-fired Petal II Line Heater (Facility Ref. PGS)
AB-013	456 HP Cummins Model GTA19 4SLB SI natural gas-fired emergency power generator engine (Facility Ref. PGS)
AB-015	Regenerator Still Vent No. 1 (Facility Ref. PGS)
AB-016	Regenerator Still Vent No. 2 (Facility Ref. PGS)
AB-017	Regenerator Still Vent No. 3 (Facility Ref. PGS) with emissions routed to AB-028
AB-018	17 HP Cummins Model 15JC four stroke rich burn (4SRB) SI natural gas-fired emergency power generator engine at Natural Gas Cavern No. 3 (Facility Ref. PGS)
AB-019	1.8 MMBTUH natural gas-fired Petal III Glycol Reboiler No. 3 (Facility Ref. PGS)
AB-020	1,334 HP Cummins Model GTA19 4SLB SI natural gas-fired emergency power generator engine (Facility Ref. PGS)
AB-021	50 MMBTUH natural gas-fired Hot Oil Heater (Facility Ref. PGS)
AB-022	50 MMBTUH natural gas-fired Hot Oil Heater (Facility Ref. PGS)
AB-023	40 HP Sentry Pro Model SP-300-44 4SLB SI propane-fired emergency power generator engine at Cavern No. 8
AB-024	40 HP Sentry Pro Model SP-300-44 4SLB SI propane-fired emergency power generator engine at the Communications Building
AB-025	48 HP Sentry Pro Model SP-250-60 4SRB SI propane-fired emergency power generator engine at Cavern No. 12A
AB-026	2.0 MMBTUH natural gas-fired Petal 3 Glycol Reboiler No. 2
AB-027	Petal 3 Regenerator Still Vent No. 2 with emissions routed to AB-028
AB-028	Thermal Oxidizer controlling emissions from AB-017 and AB-027
AB-029	Electric driven reciprocating compressor engine No. 1
AB-030	Electric driven reciprocating compressor engine No. 2
AB-031	Facility-wide fugitive emissions
AB-032	Portable Flare

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-003, AA-008, AB-001 through AB-005, AB-011, AB-012, AB-020, AB-021, and AB-022	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(b)	3.B.1	PM	$E=0.8808*(I)^{-0.1667}$
AA-004 through AA-007, AA-018, AB-006 through AB-010, AB-013, AB-018, AB-019, AB-023, AB-024, AB-025, and AB-026	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a)	3.B.2	PM	0.6 lb/MMBTU
AA-004 through AA-007, AB-006, AB-007, AB-010 through AB-012, AB-019, AB-021, AB-022 and AB-026	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)	3.B.3	SO_2	4.8 lbs/MMBTU

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
AA-003	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008	3.B.4	NO_x	10.38 lbs/hr
		3.B.5	CO	12.83 lbs/hr
AA-003, AA-008, and AB-001 through AB-005	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008	3.B.6	NO_x	109.3 tons/year combined
		3.B.7	CO	184.9 tons/year combined
AA-008	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008	3.B.8	NO_x	5.93 lbs/hr
		3.B.9	CO	7.33 lbs/hr
AB-001 through AB-005	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008	3.B.10	NO_x	5.11 lbs/hr from each emission unit
		3.B.11	CO	10.35 lbs/hr from each emission unit
AA-003, AA-008, AA-018, AB-001 through AB-005, AB-008, AB-013, AB-018, AB-020, and AB-023 through AB-025	NESHAP for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR Part 63, Subpart ZZZZ 40 CFR Part 63.6580, 63.6585(a) and (c), 63.6590(a)(1)(iii), and 63.6590(c)(1), Subpart ZZZZ	3.B.12	HAP	MACT applicability
AA-003, AA-008, and AB-001 through AB-005	40 CFR Part 63.6603(a), Item 9 of Table 2d , and Item 13 of Table 5, Subpart ZZZZ	3.B.13	HAP	Install an oxidation catalyst that reduces CO emissions by ≥ 93% or to 47 ppmvd at 15% O_2
	40 CFR Part 63.6603(a), 63.6625(b), and Item 13 of Table 5, Subpart ZZZZ	3.B.14	HAP	Install equipment to automatically shut down the engine if the temperature is ≥ 1350 F
AA-003, AA-008, AA-018, and AB-001 through AB-005,	40 CFR Part 63.6605, Subpart ZZZZ	3.B.15	HAP	General Compliance
	40 CFR Part 63.6625(e)(3) and Item 9 of Table 6 of Subpart ZZZZ	3.B.16	HAP	General Operating Requirements

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
AB-008, AB-013, AB-018, and AB-024	40 CFR Part 63.6625(h), Subpart ZZZZ	3.B.18	HAP	General Operating Requirements
AA-003, AA-008, AA-018, and AB-001 through AB-005 AB-008, AB-013, AB-018, AB-020, AB-023, and AB-024	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10) and 40 CFR Part 63.6625(f), Subpart ZZZZ	3.B.17	HAP	General Operating Requirements
AB-025	NSPS for Stationary Spark Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart JJJJ 40 CFR Part 60.4230(a)(4)(iv), Subpart JJJJ	3.B.19	NO_x, CO, and VOC	Applicability
	40 CFR Part 60.4233(c) and 60.4234, Subpart JJJJ	3.B.20	NO_x, CO, and VOC	General Operating Requirements
AA-018, AB-008, AB-013, AB-018, AB-020, AB-023, and AB-024	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10). and 40 CFR Part 63.6640(f) and 40 CFR Part 63.6675, Subpart ZZZZ	3.B.21	General Operating Condition	Emergency operational requirements
AB-025	40 CFR Part 60.4243(d) and 40 CFR Part 60.4248, Subpart JJJJ	3.B.22	General Operating Condition	Emergency operational requirements
AB-017, AB-027, and AB-028	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit modified January 23, 2020	3.B.23	VOC and HAP	Operational Restriction
AB-028	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit modified January 23, 2020	3.B.24	Operating Restriction	General Operating Requirement
Facility-Wide	NSPS for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, 40 CFR Part 60, Subpart OOOOa 40 CFR 60.5360a and 60.5365a, Subpart OOOOa	3.B.25	VOC	NSPS Applicability

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
AB-032	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit issued XX, XX	3.B.26	CO	61,960,000 scf/year
	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit issued XX, XX	3.B.27	Operating Restriction	General Operating Requirement
	11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit issued XX, XX	3.B.28	CO	Operational Restriction

3.B.1 For Emission Points AA-003, AA-008, AB-001 through AB-005, AB-011, AB-012, AB-020, AB-021, and AB-022, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations greater than 10 million BTU per hour heat input but less than 10,000 million BTU per hour heat input shall not exceed an emission rate as determined by the relationship

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

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-004 through AA-007, AA-018, AB-006 through AB-010, AB-013, AB-018, AB-019, AB-023, AB-024, AB-025, and AB-026, the maximum permissible emission of ash and/or particulate matter from a 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.B.3 For Emission Points AA-004 through AA-007, AB-006, AB-007, AB-010 through AB-012, AB-019, AB-021, AB-022, and AB-026, 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))

3.B.4 For Emission Point AA-003, the permittee shall not cause to be discharged into the atmosphere any gases which contain nitrogen oxides in excess of 10.38 pounds per hour (lb/hr).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008)

3.B.5 For Emission Point AA-003, the permittee shall not cause to be discharged into the atmosphere any gases which contain carbon monoxide in excess of 12.83 lb/hr.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008)

3.B.6 For Emission Points AA-003, AA-008, AB-001, AB-002, AB-003, AB-004, and AB-005, the permittee shall not emit more than 109.3 tons per year (tpy) of nitrogen oxides on a rolling basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008)

3.B.7 For Emission Points AA-003, AA-008, AB-001, AB-002, AB-003, AB-004, and AB-005, the permittee shall not emit more than184.9 tpy of carbon monoxide on a rolling basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008)

3.B.8 For Emission Point AA-008, the permittee shall not cause to be discharged into the atmosphere any gases which contain nitrogen oxides in excess of 5.93 lb/hr.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008)

3.B.9 For Emission Point AA-008, the permittee shall not cause to be discharged into the atmosphere any gases which contain carbon monoxide in excess of 7.33 lb/hr.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008)

3.B.10 For Emission Points AB-001 through AB-005, the permittee shall not cause to be discharged into the atmosphere any gases which contain nitrogen oxides in excess of 5.11 lb/hr.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008)

3.B.11 For Emission Points AB-001 through AB-005, the permittee shall not cause to be discharged into the atmosphere any gases which contain carbon monoxide in excess of 10.35 lb/hr.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Air Title V Operating Permit No. 0800-00050 issued April 02, 2008)

3.B.12 For Emission Points AA-003, AA-008, AA-018, AB-001 through AB-005, AB-008, AB-013, AB-018, AB-020, AB-023, AB-024, and AB-025, the permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR Part 63, Subpart ZZZZ.

Emission Points AA-003, AA-008, and AB-001 through AB-005 are existing non-emergency spark ignition (SI) four stroke lean burn (4SLB) engines with a site rating of more than 500 brake HP located at an area source of HAP emissions and as such are required to meet the requirements of 40 CFR Part 63, Subpart ZZZZ and the General Provisions in Subpart A.

Emission Points AB-008, AB-013, AB-018, and AB-024 are existing emergency SI RICE that operate as emergency backup power generator engines located at an area source of HAP emissions and as such are required to meet the operational requirements of 40 CFR Part 63, Subpart ZZZZ and the General Provisions in Subpart A.

Emission Point AA-018 is an existing emergency compression ignition (CI) RICE that operates as an emergency backup power generator engine with a site rating of less than 500 brake HP located at an area source of HAP emissions and as such is required to meet the operational requirements of 40 CFR Part 63, Subpart ZZZZ and the General Provisions in Subpart A.

Emission Points AB-020, AB-023, and AB-025 are new emergency SI 4SLB propane-fired stationary RICE with a site rating of less than 500 brake HP located at an area source of HAP emissions. As such, the emergency engines must meet the requirements of 40 CFR Part 63, Subpart ZZZZ, by meeting the requirements of 40 CFR Part 60, Subpart JJJJ. No further requirements apply for such engines under 40 CFR Part 63, Subpart ZZZZ, or the General Provisions in Subpart A.

(Ref.: 40 CFR Part 63.6580, 63.6585(a) and (c), 63.6590(a)(1)(iii), and 63.6590(c)(1), Subpart ZZZZ)

3.B.13 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall install an oxidation catalyst to reduce the CO emissions from each engine by 93 percent or more or the average CO concentration to less 47 ppmvd at 15 percent oxygen.

(Ref.: 40 CFR 63.6603(a), Item 9 of Table 2d, and Item 13 of Table 5, Subpart ZZZZ)

3.B.14 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall install equipment to automatically shut down the engine if the catalyst inlet temperature exceeds 1350 °F.

(Ref.: 40 CFR 63.6625(b) and Item 13 of Table 5, Subpart ZZZZ)

3.B.15 For Emission Points AA-003, AA-008, AA-018, and AB-001 through AB-005, AB-008, AB-013, AB-018, and AB-024, the permittee shall, at all times, be in compliance with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ, and operate and maintain the engines, including associated 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 Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the MDEQ 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 Part 63.6605, Subpart ZZZZ)

3.B.16 For Emission Points AA-003, AA-008, AA-018, and AB-001 through AB-005, AB-008, AB-013, AB-018, and AB-024, the permittee shall operate and maintain each engine according to the manufacturer's emission-related written instructions or develop and follow a maintenance plan which provides to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution practice for minimizing emissions.

(Ref.: 40 CFR Part 63.6625(e)(3) and Item 9 of Table 6 of Subpart ZZZZ)

3.B.17 For Emission Points AA-003, AA-008, AA-018, and AB-001 through AB-005, AB-008, AB-013, AB-018, AB-020, AB-023, and AB-024, the permittee shall install and operate a non-resettable hour meter on each emergency engine.

(Ref: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10). and 40 CFR Part 63.6625(f), Subpart ZZZZ)

3.B.18 For Emission Points AA-003, AA-008, AA-018, and AB-001 through AB-005, AB-008, AB-013, AB-018, and AB-024, the permittee shall minimize each engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

(Ref.: 40 CFR Part 63.6625(h), Subpart ZZZZ)

3.B.19 Emission Point AB-025 is subject to the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart JJJJ.

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

3.B.20 For Emission Point AB-025, the permittee shall comply with the emission standards in 40 CFR Part 60.4231(c) over the entire life of the engine.

(Ref.: 40 CFR Part 60.4233(c) and 60.4234, Subpart JJJJ)

3.B.21 For Emission Points AA-018, AB-008, AB-013, AB-018, AB-020, AB-023, and AB-024, the permittee shall operate the emergency engine according to the requirements below:

(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 MDEQ 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. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

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 this subpart and will need to meet any applicable requirements for a non-emergency engine.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10). and 40 CFR Part 63.6640(f) and 63.6675, Subpart ZZZZ)

3.B.22 For Emission Point AB-025, the permittee shall operate the emergency engine according to the requirements below:

(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 MDEQ 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. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

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 this subpart and will need to meet any applicable requirements for a non-emergency engine.

(Ref.: 40 CFR Part 60.4243(d) and 60.4248, Subpart JJJJ)

3.B.23 For Emission Points AB-017 and AB-027, each regenerator still vent shall only be operated with emissions routed to the thermal oxidizer (Emission Point AB-028).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit modified January 23, 2020)

3.B.24 For Emission Point AB-028, the permittee shall maintain the combustion zone temperature of the thermal oxidizer, according to the manufacturer's recommended specifications, at a minimum temperature of 1,300 degrees Fahrenheit. The permittee shall show, during an inspection by MDEQ, the combustion zone temperature of the thermal oxidizer.

(Ref. 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit modified January 23, 2020)

3.B.25 For the entire facility the permittee shall comply with all applicable requirements of the Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, 40 CFR Part 60, Subpart OOOOa.

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

3.B.26 For Emission Point AB-032, the permittee shall restrict the total volume of gas flared to not

exceed 61,960,000 scf on a rolling, consecutive twelve-month basis.

(Ref. 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit issued XX, XX)

3.B.27 For Emission Point AB-032, the permittee shall demonstrate a control efficiency of at least 98% by operating the flare according to the requirements specified in paragraphs (a) through (e) below:

(a) The flare shall be operated at all times when emissions may be vented to it.

(b) The flare shall be operated and maintained according to the manufacturer's recommendations.

(c) The flare shall be operated with no visible emissions as determined by EPA Method 22, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.

(d) The permittee shall maintain a flare pilot flame or auto-igniter system at all times when emissions may be vented to the flare.

(e) The flare shall only be used with a combustion gas mixture whose net heating value is 300 BTU/scf or greater if the flare is air or steam-assisted. If the flare is non-assisted, the flare shall only be used with a combustion gas mixture whose net heating value is 200 BTU/scf or greater.

(Ref. 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit issued XX, XX)

3.B.28 For Emission Point AB-032, the permittee shall flare gas only in the following scenarios:

(a) Pipeline maintenance,

(b) Station equipment maintenance, and

(c) Compressor blowdowns.

(Ref. 11 Miss. Admin. Code Pt. 2, R. 2.2.B.(10)., as established in the Title V Operating Permit issued XX, XX)

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).)

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

D. Work Practice Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
AB-008, AB-013, AB-018, and AB-024	40 CFR Part 63.6603(a), 63.6625(j), and Item 5 and Footnotes 1 and 2 of Table 2d of Subpart ZZZZ	3.D.1	HAP	Scheduled Maintenance Activities
AA-018	40 CFR Part 63.6603(a), 63.6625(i), and Item 4 and Footnotes 1 and 2 of Table 2d of Subpart ZZZZ	3.D.2	HAP	Scheduled Maintenance Activities

3.D.1 For Emission Points AB-008, AB-013, AB-018, and AB-024, the permittee shall comply with the following requirements:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first, or perform an oil analysis at the same frequency in order to extend the oil change requirement. If the permittee chooses to use oil analysis in an effort to extend the oil/filter change requirement, the results of the analysis must verify the oil still meets the limits contained in (1)–(3) below. If any of these limits are exceeded, the oil must be changed within two business days of receiving the results of the analysis. If the engine is not in operation when the results are received, the oil must be changed within two business days or before commencing operation, whichever is later. The oil analysis program must be included in the engine's maintenance plan required by Condition 3.B.16;

(1) The Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from the Total Acid Number when new.

(2) The viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new.

(3) The percent water content (by volume) is greater than 0.5.

(b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If the engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practices according to the schedule listed in (a)–(c) above, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has

ended or the unacceptable risk under Federal, State, or local law has abated.

(Ref.: 40 CFR Part 63.6603(a), 63.6625(j), and Item 5 and Footnotes 1 and 2 of Table 2d of Subpart ZZZZ)

3.D.2 For Emission Point AA-018, the permittee shall comply with the following requirements:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first, or perform an oil analysis at the same frequency in order to extend the oil change requirement. If the permittee chooses to use oil analysis in an effort to extend the oil/filter change requirement, the results of the analysis must verify the oil still meets the limits contained in (1)–(3) below. If any of these limits are exceeded, the oil must be changed within two business days of receiving the results of the analysis. If the engine is not in operation when the results are received, the oil must be changed within two business days or before commencing operation, whichever is later. The oil analysis program must be included in the engine's maintenance plan required by Condition 3.B.16;

(1) Total Base Number is less than 30 percent of the Total Base Number of the oil when new.

(2) Viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new.

(3) Percent water content (by volume) is greater than 0.5.

(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If the engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practices according to the schedule listed in (a)–(c) above, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.

(Ref.: 40 CFR Part 63.6603(a), 63.6625(i), and Item 4 and Footnotes 1 and 2 of Table 2d of Subpart ZZZZ)

SECTION 4. COMPLIANCE SCHEDULE

4.1 Unless otherwise specified herein, the permittee shall be in compliance with all requirements contained herein upon issuance of this permit.

4.2 Except as otherwise specified herein, the permittee shall submit to the Permit Board and to the Administrator of EPA Region IV a certification of compliance with permit terms and conditions, including emission limitations, standards, or work practices, by January 31 for the preceding calendar year. If the permit was reissued or modified during the course of the preceding calendar year, the compliance certification shall address each version of the permit. Each compliance certification shall include the following:

(a) the identification of each term or condition of the permit that is the basis of the certification;

(b) the compliance status;

(c) whether compliance was continuous or intermittent;

(d) the method(s) used for determining the compliance status of the source, currently and over the applicable reporting period;

(e) such other facts as may be specified as pertinent in specific conditions elsewhere in this permit.

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

SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

A. General Monitoring, Recordkeeping and Reporting Requirements

5.A.1 The permittee shall install, maintain, and operate equipment and/or institute procedures as necessary to perform the monitoring and recordkeeping specified below.

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

5.A.2 In addition to the recordkeeping specified below, the permittee shall include with all records of required monitoring information the following:

(a) the date, place as defined in the permit, and time of sampling or measurements;

(b) the date(s) analyses were performed;

(c) the company or entity that performed the analyses;

(d) the analytical techniques or methods used;

(e) the results of such analyses; and

(f) the operating conditions existing at the time of sampling or measurement.

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

5.A.3 Except where a longer duration is specified in an applicable requirement, the permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

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

5.A.4 Except as otherwise specified herein, the permittee shall submit reports of any required monitoring by July 31 and January 31 for the preceding six-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with 11 Miss. Admin. Code Pt. 2, R. 6.2.E. For applicable periodic reporting requirements in 40 CFR Parts 60, 61, and 63, the permittee shall comply with the deadlines in this condition for reporting conducted on a semiannual basis. Additionally, any required quarterly reports shall be submitted by the end of the month following each calendar quarter (i.e., April 30th, July

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

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

5.A.5 Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began.

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

5.A.6 Except as otherwise specified herein, the permittee shall perform emissions sampling and analysis in accordance with EPA Test Methods and with any continuous emission monitoring requirements, if applicable. All test methods shall be those versions or their equivalents approved by the DEQ and the EPA.

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

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

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

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

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

B. Specific Monitoring and Recordkeeping Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Monitoring/Recordkeeping Requirement
AA-003, AA-008, and AB-001 through AB-005	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.B.1	Hours	Operational records
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.B.2	NO_x and CO	Keep records of emissions
	40 CFR 63.6630(e) and Item 13 of Table 5 of Subpart ZZZZ	5.B.3	CO and HAPs	Conduct initial compliance demonstrations
	40 CFR 63.6640(c) and Item 14 of Table 6 of Subpart ZZZZ	5.B.4	CO and HAPs	Conduct annual compliance demonstrations
	40 CFR 63.6635, 63.6640(a), and Table 6 of Subpart ZZZZ	5.B.5	CO and HAPs	Continuous compliance
	40 CFR 63.6655(a), (b), and (d) and 63.6660, Subpart ZZZZ	5.B.6	CO and HAPs	Continuous compliance
AA-003	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.B.7	NO_x and CO	Conduct performance tests
AA-008	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.B.8	NO_x and CO	Conduct performance tests
AB-001 through AB-005	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.B.9	NO_x and CO	Conduct performance tests
AA-003, AA-008, AA-018, and AB-001 through AB-005, AB-008, AB-013, AB-018, and AB-024	40 CFR Part 63.6655(e)(2) and (3), Subpart ZZZZ	5.B.10	HAPs	Keep records of the maintenance
	40 CFR Part 63.6660(1)-(3), Subpart ZZZZ	5.B.11	HAPs	General recordkeeping requirement
AA-018, AB-008, AB-013, AB-018, AB-020, AB-023, AB-024, and AB-025	11 Miss. Admin. Code Pt. 2, R. 2.9 and 40 CFR Part 63.6655(f), Subpart ZZZZ	5.B.12	Hours	Monitor and keep records of hours of and reason for operation
AB-025	40 CFR Part 60.4243(a)(1) and (2)(i), Subpart JJJJ	5.B.13	NO_x, CO, and VOC	Compliance Demonstration
	40 CFR Part 60.4245(a)(1)-(4), Subpart JJJJ	5.B.14	NO_x, CO, and VOC	Records
AB-028	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.B.15	Temperature	Monitoring and recordkeeping requirements
AB-032	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.B.16	General Operating Condition	Monitor and keep records of volume combusted and reason for operation

5.B.1 For Emission Points AA-003, AA-008, AB-001, AB-002, AB-003, AB-004, and AB-005, the permittee shall keep records of the hours of operation of each engine on a monthly and each consecutive12-month total on a rolling basis.

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

5.B.2 For Emission Points AA-003, AA-008, AB-001, AB-002, AB-003, AB-004 and AB-005, the permittee shall demonstrate compliance with the NO_x and CO tons/year limitations by the following calculations:

TPY of NO_x = 10.38 * (hours of operation of AA-003) + 5.93 * (hours of operation of AA-008) + 5.11 * (hours of operation of AB-001, AB-002, AB-003, AB-004 and AB-005)

TPY of CO = 12.83 * (hours of operation of AA-003) + 7.33 * (hours of operation of AA-008) + 10.35 * (hours of operation of AB-001, AB-002, AB-003, AB-004 and AB-005)

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

5.B.3 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall conduct an initial compliance demonstration on each engine to demonstrate compliance with the carbon monoxide (CO) reduction requirement referenced in Condition 3.B.13. The initial compliance demonstration must be conducted according to the following requirements:

(a) The compliance demonstration must consist of at least three test runs.

(b) Each test run must be of at least 15 minute duration, except that each test conducted using the method in appendix A to Subpart ZZZZ must consist of at least one measurement cycle and include at least 2 minutes of test data phase measurement.

(c) If compliance is being demonstrated with the CO concentration or CO percent reduction requirement, the permittee must measure CO emissions using one of the CO measurement methods specified in Table 4 of Subpart ZZZZ, or using appendix A of Subpart ZZZZ.

(d) If compliance is being demonstrated with the THC percent reduction requirement, the permittee must measure THC emissions using Method 25A, reported as propane, of 40 CFR part 60, appendix A.

(e) The permittee must measure O2 using one of the O2 measurement methods specified in Table 4 of Subpart ZZZZ. Measurements to determine O2 concentration must be made at the same time as the measurements for CO or THC concentration.

(f) If compliance is being demonstrated with the CO or THC percent reduction requirement, the permittee must measure CO or THC emissions and O2 emissions simultaneously at the inlet and outlet of the control device.

(Ref.: 40 CFR 63.6630(e) and Item 13 of Table 5 of Subpart ZZZZ)

5.B.4 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall conduct subsequent annual compliance demonstrations on each engine to demonstrate compliance with the carbon monoxide (CO) reduction requirement referenced in Condition 3.B.13. Subsequent annual compliance demonstrations must be conducted according to the following requirements:

(a) The compliance demonstration must consist of at least one test run.

(b) Each test run must be of at least 15-minute duration, except that each test conducted using the method in appendix A to Subpart ZZZZ must consist of at least one measurement cycle and include at least 2 minutes of test data phase measurement.

(c) If you are demonstrating compliance with the CO concentration or CO percent reduction requirement, you must measure CO emissions using one of the CO measurement methods specified in Table 4 of Subpart ZZZZ or using appendix A to Subpart ZZZZ.

(d) If you are demonstrating compliance with the THC percent reduction requirement, you must measure THC emissions using Method 25A, reported as propane, of 40 CFR part 60, appendix A.

(e) You must measure O_2 using one of the O_2 measurement methods specified in Table 4 of Subpart ZZZZ. Measurements to determine O_2 concentration must be made at the same time as the measurements for CO or THC concentration.

(f) If you are demonstrating compliance with the CO or THC percent reduction requirement, you must measure CO or THC emissions and O2 emissions simultaneously at the inlet and outlet of the control device.

(g) If the results of the annual compliance demonstration show that the emissions exceed the levels specified in Condition 3.B.13, the stationary RICE must be shut down as soon as safely possible, and appropriate corrective action must be taken (e.g., repairs, catalyst cleaning, catalyst replacement). The stationary RICE must be retested within 7 days of being restarted and the emissions must meet the levels specified Condition 3.B.13. If the retest shows that the emissions continue to exceed the specified levels, the stationary RICE must again be shut down as soon as safely possible, and the stationary RICE may not operate, except for purposes of startup and testing, until the owner/operator demonstrates through testing that the emissions do not exceed the levels specified in Condition 3.B.13.

(Ref.: 40 CFR 63.6640(c) and Item 14 of Table 6 of Subpart ZZZZ)

5.B.5 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall demonstrate continuous compliance with the CO percent reduction requirement referenced in Condition 3.B.13 for each engine by immediately shutting down the engine if the catalyst inlet temperature exceeds 1350 °F and conducting the annual compliance testing in accordance with Condition 5.B.4.

(Ref.: 40 CFR 63.6635, 63.6640(a), and Item 14 of Table 6 of Subpart ZZZZ)

5.B.6 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall keep the following records:

(a) A copy of each notification or report submitted to comply with Subpart ZZZZ;

(b) Records of the occurrence and duration of each malfunction of process, air pollution control, or monitoring equipment;

(c) Records of performance tests and performance evaluations;

(d) Records of all maintenance performed on the air pollution control and monitoring equipment;

(e) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process, air pollution control, and monitoring equipment to its normal or usual manner of operation.

(Ref.: 40 CFR 63.6655(a), (b), and (d), and 63.6660, Subpart ZZZZ)

5.B.7 For Emission Point AA-003, the permittee shall conduct annual performance tests on the engine not to exceed 13 months from the previous performance test to demonstrate compliance with the NO_x and CO lb/hr limitations. The tests shall be done using a portable analyzer for NO_x and CO in accordance with ASTM D6522-00, or as an option the permittee may use EPA Reference Methods 7 and 10 or other EPA approved equivalents.

The NO_x and CO testing shall be performed simultaneously and while the engine is operating at peak load conditions.

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

5.B.8 For Emission Point AA-008, the permittee shall conduct annual performance tests not to exceed 13 months from the previous performance test on the engine to demonstrate compliance with the NO_x and CO lb/hr limitations. The tests shall be done using a portable analyzer for NO_x and CO in accordance with ASTM D6522-00, or as an option the permittee may use EPA Reference Methods 7 and 10 or other EPA approved equivalents.

The NO_x and CO testing shall be performed simultaneously and while the engine is operating at peak load condition. The performance test shall be conducted by December 31 of each calendar year.

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

5.B.9 For Emission Points AB-001 through AB-005, the permittee shall conduct annual performance tests not to exceed 13 months from the previous test to demonstrate compliance with the NO_x and CO lb/hr limitations. The tests shall be done using a portable analyzer for NO_x and CO in accordance with ASTM D6522-00, or as an option the permittee may use EPA Reference Methods 7 and 10 or other EPA approved equivalents.

The NO_x and CO testing shall be performed simultaneously and while the engine is operating at peak load condition. The permittee shall conduct the annual performance test on one engine on a rotating annual basis. Every engine shall be tested before rotating back to the first engine that was tested. If the scheduled unit is not operating during the scheduled performance test, the permittee can request MDEQ to specify another similar unit for performance testing.

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

5.B.10 For Emission Points AA-003, AA-008, AA-018, AB-001 through AB-005, AB-008, AB-013, AB-018, and AB-024, the permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE and after-treatment control device (if any) were operated and maintained according to the permittee's maintenance plan.

(Ref. 40 CFR Part 63.6655(e)(2) and (3), Subpart ZZZZ)

5.B.11 For Emission Points AA-003, AA-008, AA-018, AB-001 through AB-005, AB-008, AB-013, AB-018, and AB-024, the permittee must keep records in a form suitable and readily available for expeditious review according to 40 CFR Part 63.10(b)(1). Each record must be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Each record must be kept readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR Part 63.10(b)(1).

(Ref.: 40 CFR Part 63.6660(1)-(3), Subpart ZZZZ)

5.B.12 For Emission Points AA-018, AB-008, AB-013, AB-018, AB-020, AB-023, AB-024, and AB-025, the permittee shall keep records of the hours of operation of the engine recorded using each engine's non-resettable hour meter. These records must indicate how many hours are spent in emergency operation, including what classified the operation as an emergency, and how many hours are spent in nonemergency operation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.9 and 40 CFR Part 63.6655(f), Subpart ZZZZ)

5.B.13 For Emission Point AB-025, the permittee shall comply with emission standards cited in Condition 3.B.20 by purchasing an engine certified to the emission standards in 40 CFR Part 60.4231(c), as applicable, for the same engine class and maximum engine power. In addition, the permittee must meet one of the requirements specified below:

(a) If the certified stationary SI internal combustion engine and control device is operated and maintained according to the manufacturer's emission-related written instructions, records must be kept of conducted maintenance to demonstrate compliance, but no performance testing is required by the permittee. The permittee must also meet the applicable requirements as specified in 40 CFR Part 1068, Subparts A through D. If the engine settings are adjusted according to and consistent with the manufacturer's instructions, the stationary SI internal combustion engine will not be considered out of compliance.

(b) If the certified stationary SI internal combustion engine and control device are not operated and maintained according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine, and compliance shall be demonstrated by keeping a maintenance plan and records of conducted maintenance to demonstrate compliance and, to the extent practicable, the permittee must maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required by the permittee.

(40 CFR Part 60.4243(a)(1) and (2)(i), Subpart JJJJ)

5.B.14 For Emission Point AB-025, the permittee shall keep records of the following information:

(a) All notifications submitted to comply with Subpart JJJJ and all documentation supporting any notification;

(b) Maintenance conducted on the engine;

(c) If the emergency engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable; and

(d) Documentation that the engine meets the emission standards.

(e) If the emergency engine does not meet the standards applicable to non-emergency engines, the permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. 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: 40 CFR Part 60.4245(a)(1)-(4) and (b), Subpart JJJJ)

5.B.15 For Emission Point AB-028, the permittee shall continuously monitor the combustion zone temperature of the thermal oxidizer whenever gas is being dehydrated in Emission Point AB-017 and/or AB-027. A record of the daily average combustion zone temperature shall be maintained for any day when gas is being dehydrated in Emission Points AB-017 and/or AB-027.

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

5.B.16 For Emission Point AB-032, the permittee shall monitor and record the volume of gas combusted by the flare on a monthly and for each, consecutive twelve-month period on a rolling basis and shall record the specific reason for each flaring event.

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

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Reporting Requirement
AA-003, AA-008, and AB-001 through AB-005	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.C.1	Hours, NOx, and CO	Submit semiannual reports of operations and emissions
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.C.2	CO	Submit stack test protocol and notification
	40 CFR 63.6650 (a) and (b) and Item 3 of Table 7, Subpart ZZZZ	5.C.3	CO	Submit semiannual reports
	40 CFR 63.6650 (a), (b), (c), (e), and (f), Subpart ZZZZ	5.C.4	CO	Submit semiannual reports
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.C.5	NO_x and CO	Submit portable analyzer test results
AB-028	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.C.6	Temperature	Submit semiannual reports of operations
AB-032	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)	5.C.7	CO	Submit semiannual reports of operations

5.C.1 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall submit semiannual reports of the following records in accordance with Condition 5.A.4:

(a) Monthly hours of operation of each source for the previous 12-month period.

(b) Monthly and rolling, consecutive twelve-month emissions of NOx and CO for each source.

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

5.C.2 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall submit a test protocol at least thirty (30) days prior to the scheduled test date to ensure that all test methods and procedures are acceptable to the DEQ. The DEQ must be notified at least ten (10) days prior to the scheduled test date so that an observer may be scheduled to witness the test(s). After the first successful submittal of a written test protocol for the portable analyzers, the permittee may request that the resubmittal of testing protocol be waived for subsequent testing by certifying in writing at least thirty (30) days prior to subsequent testing that all conditions for testing remain unchanged such that the original protocol can and will be followed.

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

5.C.3 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall submit the results of the annual compliance demonstration, if conducted during the semiannual reporting period, in accordance with 40 CFR 63.6650(b)(1)-(5) and Condition 5.A.4.

(Ref.: 40 CFR 63.6650(a) and (b) and Item 3 of Table 7, Subpart ZZZZ)

5.C.4 For Emission Points AA-003, AA-008, and AB-001 through AB-005, the permittee shall submit a semi-annual report in accordance with Condition 5.A.4 that contains the information outlined in (a) through (f):

(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) If there was a malfunction in the reporting period, the report shall include the number, duration, and a brief description for the malfunction that occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report should also include a description of any actions taken by the permittee during a malfunction to minimize emissions;

(e) If there are no deviations from any emission or operating limitation, a statement that there were no deviations from the emission or operating limitations during the reporting period; and

(f) If there were no periods during which the CPMS was out-of-control, a statement that there were no periods during which the CPMS was out-of-control during the reporting period.

For each compliance period where there is a deviation from an emission or operating limitation, the compliance report shall include the information outlined both in (a) through (d) above and (g) through (l) below:

(g) The date and time that each malfunction started and stopped;

(h) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period;

(i) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during the reporting period;

(j) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes;

(k) An identification of each parameter and pollutant (i.e., CO) that was monitored;

(l) A brief description of the engine(s);

While such deviations are to be reported in the semi-annual compliance report under Subpart ZZZZ, the permittee is still required to comply with the deviation reporting requirements of Condition 5.A.5.

(Ref.: 40 CFR 63.6650(a), (b), (c), (e) and (f), Subpart ZZZZ)

5.C.5 For Emission Point AA-003, AA-008, and AB-001 through AB-005, the permittee shall submit the results of each performance test required in Conditions 5.B.7, 5.B.8, and 5.B.9, respectively, within 60 days after the test has been completed.

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

5.C.6 For Emission Point AB-028, the permittee shall submit semiannual reports of the combustion zone temperature for the previous 6-month period in accordance with Condition 5.A.4.

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

5.C.7 For Emission Point AB-032, the permittee shall submit semiannual reports of the volume of gas combusted by the flare on a monthly and rolling, consecutive twelve-month basis and the specific reason for each flaring event in accordance with Condition 5.A.4.

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

SECTION 6. ALTERNATIVE OPERATING SCENARIOS

6.1 None permitted.

SECTION 7. TITLE VI REQUIREMENTS

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

7.1 If the permittee produces, transforms, destroys, imports or exports a controlled substance or imports or exports a controlled product, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart A – Production and Consumption Controls.

7.2 If the permittee performs service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners.

7.3 The permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart E – The Labeling of Products Using Ozone-Depleting Substances, for the following containers and products:

(a) All containers in which a class I or class II substance is stored or transported;

(b) All products containing a class I substance; and

(c) All products directly manufactured with a process that uses a class I substance, unless otherwise exempted by this subpart or, unless EPA determines for a particular product that there are no substitute products or manufacturing processes for such product that do not rely on the use of a class I substance, that reduce overall risk to human health and the environment, and that are currently or potentially available. If the EPA makes such a determination for a particular product, then the requirements of this subpart are effective for such product no later than January 1, 2015.

7.4 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction:

(a) Servicing, maintaining, or repairing appliances containing class I, class II or non-exempt substitute refrigerants;

(b) Disposing of appliances, including small appliances and motor vehicle air conditioners; or

(c) Refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, as well

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

7.5 The permittee shall be allowed to switch from any ozone-depleting substance to any acceptable alternative that is listed in the Significant New Alternatives Policy (SNAP) program promulgated pursuant to 40 CFR Part 82, Subpart G – Significant New Alternatives Policy Program. The permittee shall also comply with any use conditions for the acceptable alternative substance.

7.6 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart H – Halon Emissions Reduction:

(a) Any person testing, servicing, maintaining, repairing, or disposing of equipment that contains halons or using such equipment during technician training;

(b) Any person disposing of halons;

(c) Manufacturers of halon blends; or

(d) Organizations that employ technicians who service halon-containing equipment.

APPENDIX A

List of Abbreviations Used In this Permit

BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lb/hr	Pounds per Hour
M or K	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
MMBTUH	Million British Thermal Units per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards for Hazardous Air Pollutants, 40 CFR 61, or National Emission Standards for Hazardous Air Pollutants for Source Categories, 40 CFR 63
NMVOC	Non-Methane Volatile Organic Compounds
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM_{10}	Particulate Matter less than 10 μm in diameter
$PM_{2.5}$	Particulate Matter less than 2.5 μm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
SSM	Startup, Shutdown, and Malfunction
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOHAP	Volatile Organic Hazardous Air Pollutant
VOC	Volatile Organic Compound

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 (MDEQ) 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 Part 63, Subpart A – General Provisions

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

40 CFR Part 60, Subpart A – General Provisions

40 CFR Part 60, Subpart JJJJ — Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Subpart OOOOa — Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015