

STATE OF MISSISSIPPI AIR POLLUTION CONTROL PERMIT

TO CONSTRUCT AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Tennessee Gas Pipeline Company LLC,
Bay St Louis Compressor Station Number 530
10064 Lower Bay Road
Bay St. Louis, Mississippi
Hancock County

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

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: _____

Permit No.: 1000-00017

SECTION 1. GENERAL CONDITIONS

- 1.1 This permit is for air pollution control purposes only.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D.)
- 1.2 Any activities not identified in the application are not authorized by this permit.
(Ref.: Miss. Code Ann. 49-17-29(1)(b))
- 1.3 The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for operating without a valid permit pursuant to State Law.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)
- 1.4 It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(6).)
- 1.5 The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)
- 1.6 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit, unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).)
- 1.7 The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(b).)
- 1.8 The permit does not convey any property rights of any sort, or any exclusive privilege.
(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)

- 1.9 The permittee shall furnish to the Department of Environmental Quality (DEQ) within a reasonable time any information the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(d).)

- 1.10 *Design and Construction Requirements:* The stationary source shall be designed and constructed so as to operate without causing a violation of an Applicable Rules and Regulations, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A(1)-(3).)

- 1.11 The necessary facilities shall be constructed to prevent any wastes or other products or substances to be placed in a location where they are likely to cause pollution of the air or waters of the State without the proper environmental permits.

(Ref.: Miss. Code Ann. 49-17-29(1) and (2))

- 1.12 *Fugitive Dust Emissions from Construction Activities:* The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A(4).)

- 1.13 *General Nuisances:* 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.)

- 1.14 *Right of Entry:* The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their representatives upon presentation of credentials:
- (a) To enter at reasonable times upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit; and
 - (b) To have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air contaminants or waste waters, fuel, process material, or other material which affects or may affect emission of air contaminants from any source.

(Ref.: Miss. Code Ann. 49-17-21)

- 1.15 *Permit Modification or Revocation:* After notice and opportunity for a hearing, the Permit Board may modify the permit or revoke it in whole or in part for good cause shown including, but not limited to:
- (a) Persistent violation of any of the terms or conditions of this permit;
 - (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - (c) A change in federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

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

- 1.16 *Public Record and Confidential Information:* Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality, Office of Pollution Control.

(Ref.: Miss. Code Ann. 49-17-39)

- 1.17 *Permit Transfer:* This permit shall not be transferred except upon approval of the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.16.B.)

- 1.18 *Severability:* The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the permit to any circumstances, is challenged or held

invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(7).)

- 1.19 *Permit Expiration:* The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance, if construction is suspended for eighteen (18) months or more, or if construction is not completed within a reasonable time. The DEQ may extend the 18-month period upon a satisfactory showing that an extension is justified.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(1)., R. 2.5.C(4)., and R. 5.2.)

- 1.20 *Certification of Construction:* A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(3).)

- 1.21 *Beginning Operation:* After certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by 11 Miss. Admin. Code Pt. 2, R. 2.13.G.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).)

- 1.22 *Application for a Permit to Operate:* The application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).)

- 1.23 *Operating Under a Permit to Construct:* Upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).)

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

(a) Upsets (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)

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

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

- 1.25 *General Duty:* All air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

- 1.26 *Compliance Testing:* Regarding compliance testing:

- (a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.
- (b) Compliance testing will be performed at the expense of the permittee.
- (c) Each emission sampling and analysis report shall include but not be limited to the following:
 - (1) detailed description of testing procedures;
 - (2) sample calculation(s);
 - (3) results; and
 - (4) comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.6.B(3), (4), and (6).)

SECTION 2. EMISSION POINT DESCRIPTION

The permittee is authorized to construct and operate, upon certification of construction, air emissions equipment, as described in the following table.

Emission Point	Facility Reference	Description
AA-000	--	Facility-wide fugitive emissions from piping and equipment leaks
AA-021	CT-01	24,000 horsepower (HP) [173 MMBtu/hr] natural gas-fired Solar Titan 130 Turbine equipped with SoLoNO _x technology for control of NO _x emissions
AA-022	EN-01	1,500 kilowatt (kW) Caterpillar G3516 natural gas-fired emergency generator, equipped with a 2,012 HP four-stroke lean burn (4SLB) engine [Manufactured date: TBD; EPA-certified]
AA-023	HEAT-01	2.074 MMBtu/hr Bruest HH-2000 catalytic fuel gas heater

SECTION 3. EMISSION LIMITATIONS AND STANDARDS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-000 AA-021	40 CFR Part 60, Subpart OOOOb – Standards of Performance for Crude Oil and Natural Gas Facilities for Which Construction, Modification or Reconstruction Commenced After December 6, 2022 40 CFR 60.5360b, 60.5365b(b) and (i)(3), 60.5425b, and Table 5, Subpart OOOOb	3.1	VOC, Methane (GHG)	Applicability
AA-021	40 CFR 60.5380b(a)(6)(i) and (a)(7)(iii), Subpart OOOOb	3.2	Volumetric flow	≤ 10 scfm flow rate per seal
	40 CFR Part 60, Subpart KKKKa – Standards of Performance for Stationary Combustion Turbines 40 CFR 60.4300a, 60.4305a(a) and (b), 60.4416a(a), and Table 3 to Subpart KKKKa	3.3	NO _x , SO ₂	Applicability
	40 CFR 60.4320a(a), (b)(2), and (d), 60.4400a, and Table 1, Subpart KKKKa	3.4	NO _x	15 ppm @ 15% O ₂ or 24 ng/J (0.055 lb/MMBtu) heat input
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). [PSD Avoidance Limit]	3.5		9 ppmv @ 15% O ₂
	40 CFR 60.4330a(a)(2), Subpart KKKKa	3.6	SO ₂	26 ng/J (0.060 lb/MMBtu) heat input
	40 CFR Part 63, Subpart YYYY – NESHAP for Stationary Combustion Turbines 40 CFR 63.6080, 63.6085, 63.6090(a)(2), 63.6165, and Table 7, Subpart YYYY	3.7	HAP	Applicability
	40 CFR Part 63.6100, 63.6175, and Table 1, Subpart YYYY	3.8	Formaldehyde	91 ppbvd @ 15% O ₂
	40 CFR Part 63.6100 and Table 2, Subpart YYYY	3.9	Operating parameters	Establish operating parameters in an approved plan
AA-021 AA-022	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.10	PM (filterable only)	E=0.8808 *I ^{-0.1667}
	Opacity	3.11	Opacity	≤ 40% (from smoke)

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AA-022	40 CFR 63, Subpart ZZZZ - NESHAP for Stationary Reciprocating Internal Combustion Engines (RICE) 40 CFR 63.6580, 63.6585, and 63.6590(a)(2)(i) and (b)(1)(i); Subpart ZZZZ	3.12	HAP	Applicability
AA-022	40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines 40 CFR 60.4230(a)(4)(iv), 60.4246, and Table 3 to Subpart JJJJ	3.13	NO _x , CO, VOC	Applicability
AA-022	40 CFR 60.4233(e), 60.4234, and Table 1, Subpart JJJJ	3.14	NO _x	2.0 g/hp-hr (160 ppmvd @ 15% O ₂)
			CO	4.0 g/hp-hr (540 ppmvd @ 15% O ₂)
			VOC	1.0 g/hp-hr (86 ppmvd @ 15% O ₂)
	40 CFR 60.4243(d)(1)-(3), Subpart JJJJ	3.15	Hours of Operation	Non-emergency operating requirements

- 3.1 For Emission Points AA-000 and AA-021, the permittee is subject to and 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 December 6, 2022*, 40 CFR Part 60, Subpart OOOOb, and the applicable *General Provisions* of 40 CFR 60, Subpart A, as required in Table 5 to Subpart OOOOb. The affected facilities include the fugitive emissions components (i.e., Emission Point AA-000) and the centrifugal compressor associated with the turbine (Emission Point AA-021).

(Ref.: 40 CFR 60.5360b, 60.5365b(b) and (i)(3), 60.5425b, and Table 5 to Subpart OOOOb)

- 3.2 For Emission Point AA-021, the volumetric flow rate per seal must not exceed 10 standard cubic feet per minute (scfm) per seal, as determined by 40 CFR 60.5380b(a)(7)(iii)(A) or (B). If the individual seals are manifolded to a single open-ended vent line, the volumetric flow rate must not exceed the sum of the individual seals multiplied by 10 scfm.

(Ref.: 40 CFR 60.5380b(a)(6)(i) and (a)(7)(iii), Subpart OOOOb)

- 3.3 For Emission Point AA-021, the permittee is subject to and shall comply with all applicable requirements of the *Standards of Performance for Stationary Combustion Turbines*, 40 CFR Part 60, Subpart KKKKa, and the applicable *General Provisions* of 40 CFR 60, Subpart A, as required in Table 3 to Subpart KKKKa. A stationary combustion turbine subject to Subpart KKKKa is not subject to Subpart GG or KKKK of 40 CFR Part 60.

(Ref.: 40 CFR 60.4300a, 60.4305a(a) and (b), 60.4416a(a), and Table 3 to Subpart KKKKa)

- 3.4 For Emission Point AA-021, the permittee shall meet the input-based NO_x emissions standard of 15 parts per million (ppm) at 15-percent oxygen (@ 15% O₂) or 24 ng/J (0.055 lb/MMBtu) during all times that the turbine is operating (including periods of startup, shutdown, and malfunction). Compliance with the NO_x emissions standard shall be demonstrated in accordance with 40 CFR 60.4400a and 40 CFR 60.8.

(Ref.: 40 CFR 60.4320a(a), (b)(2), and (d), 60.4400a, and Table 1, Subpart KKKKa)

- 3.5 For Emission Point AA-021, the permittee shall limit emissions of NO_x to 9 ppmv @ 15% O₂ during all times that the turbine is operating, except periods of startup, shutdown, and malfunction, as determined through performance testing conducted in accordance with Condition 5.15.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). [PSD Avoidance Limit])

- 3.6 For Emission Point AA-021, the permittee shall meet the input-based SO₂ emissions standard of 26 ng/J (0.060 lb/MMBtu) heat input.

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

- 3.7 For Emission Point AA-021, the permittee is subject to and shall comply with all applicable requirements of the *National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines*, 40 CFR Part 63, Subpart YYYY, and the applicable *General Provisions* of 40 CFR 63, Subpart A, as required in Table 7 to Subpart YYYY. Emission Point AA-021 is considered a new lean premix gas-fired stationary combustion turbine for purposes of Subpart YYYY.

(Ref.: 40 CFR 63.6080, 63.6085, 63.6090(a)(2), 63.6165, and Table 7, Subpart YYYY)

- 3.8 For Emission Point AA-021, the permittee shall limit the concentration of formaldehyde to 91 parts per billion by volume on a dry basis (ppbvd) or less at 15-percent oxygen (@ 15% O₂), except during turbine startup. Turbine startup begins at the first firing of fuel in the turbine and ends when the stationary combustion turbine has reached stable operation or after one (1) hour, whichever is less.

(Ref.: 40 CFR Part 63.6100, 63.6175, and Table 1, Subpart YYYY)

- 3.9 For Emission Point AA-021, the turbine is not equipped with an oxidation catalyst and must maintain those operating limitations in the petition approved by the EPA, as required in Condition 6.9.

(Ref.: 40 CFR Part 63.6100 and Table 2, Subpart YYYY)

- 3.10 For Emission Points AA-021 and AA-022, the emissions of particulate matter shall not exceed the 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).)

- 3.11 For Emission Points AA-021 and AA-022, 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. 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.

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

- 3.12 For Emission Point AA-022, the permittee is subject to and shall comply with all applicable requirements of the *National Emission Standards for Hazardous Air Pollutants (HAP) for Stationary Reciprocating Internal Combustion Engines*, 40 CFR Part 63, Subpart ZZZZ. Emission Point AA-022 is a new emergency spark ignition engine located at major source. As such, the engine does not have to meet the requirements of Subpart ZZZZ and of Subpart A except for the initial notification requirements of 40 CFR 63.6645(f).

(Ref.: 40 CFR 63.6580, 63.6585, and 63.6590(a)(2)(i) and (b)(1)(i); Subpart ZZZZ)

- 3.13 Emission Point AA-022 is subject to and shall comply with all applicable requirements of the *Standards of Performance for Stationary Spark (SI) Ignition Internal Combustion Engines (ICE)*, 40 CFR Part 60, Subpart JJJJ, and the applicable *General Provisions* of 40 CFR 60, Subpart A, as required in Table 3 to Subpart JJJJ.

(Ref.: 40 CFR 60.4230(a)(4)(iv), 60.4246, and Table 3 to Subpart JJJJ)

- 3.14 For Emission Point AA-022, the permittee shall operate and maintain the engine such that it meets the following standards over the entire life of the engine.

(a) $\text{NO}_x \leq 2.0 \text{ g/hp-hr (160 ppmvd @ 15\% O}_2\text{)}$

(b) $\text{CO} \leq 4.0 \text{ g/hp-hr (540 ppmvd @ 15\% O}_2\text{)}$

(c) $\text{VOC} \leq 1.0 \text{ g/hp-hr (86 ppmvd @ 15\% O}_2\text{)}^1$

¹ When calculating emissions of volatile organic compounds (VOC), emissions of formaldehyde should not be included.

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

- 3.15 For Emission Point AA-022, the permittee must operate the emergency stationary ICE according to the following requirements. In order for the engine to be considered an

emergency stationary ICE, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described below, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) through (c) of this condition, the engine will not be considered an emergency engine under the applicable subpart and must meet all requirements for non-emergency engines.

- (a) There is no time limit on the use of emergency stationary ICE in emergency situations.
- (b) The permittee may operate the emergency stationary ICE for a maximum of 100 hours per calendar year for non-emergency use. 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 (b). The emergency stationary ICE may be operated 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.
- (c) The emergency stationary ICE 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). 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 an electric grid or otherwise supply power as part of a financial arrangement with another entity.

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

SECTION 4. WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Work Practice
Facility-wide	40 CFR 60.5371b(d), Subpart OOOOb	4.1	Comply with super-emitter event standards
AA-000 AA-021	40 CFR 60.5370b(b), Subpart OOOOb	4.2	Good air pollution control practices
AA-021	40 CFR 60.4333a(a), Subpart KKKKa	4.3	Good air pollution control practices
	40 CFR 63.6105(c), Subpart YYYYY	4.4	Good air pollution control practices
AA-022	40 CFR 60.4243(b)(1), Subpart JJJJ	4.5	Purchase certified engine and operate and maintain it according to the manufacturer's instructions.

- 4.1 After January 22, 2027, the permittee must initiate a super-emitter event investigation according to 40 CFR 60.5371b(d) within five (5) calendar days of receiving notification from the EPA of the super-emitter event. A super-emitter event is defined as any emissions event that is located at or near the compressor station and that is detected using remote detection methods and has quantified emission rate of 100 kg/hr of methane or greater.

(Ref.: 40 CFR 60.5371b(d), Subpart OOOOb)

- 4.2 For Emission Points AA-000 and AA-021, at all times, including periods of startup, shutdown, and malfunction, the permittee shall maintain and operate the affected units 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 the 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 40 CFR Part 60, Subpart OOOOb.

(Ref.: 40 CFR 60.5370b(b), Subpart OOOOb)

- 4.3 For Emission Point AA-021, the permittee must 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 60.4333a(a), Subpart KKKKa)

- 4.4 For Emission Point AA-021, the permittee must at all times operate and maintain the turbine, 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 YYYY)

- 4.5 For Emission Point AA-022, the permittee shall demonstrate compliance with the emission standards in Condition 3.14 by purchasing a certified engine and operating and maintaining the certified engine according to the manufacturer's emission-related written instructions. The permittee must also meet the requirements as specified in 40 CFR part 1068, Subparts A through D, as they apply. If the permittee adjusts engine settings according to and consistent with the manufacturer's instructions, the engine will not be considered out of compliance.

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

SECTION 5. MONITORING AND RECORDKEEPING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.9.	5.1	Recordkeeping	Maintain records for a minimum of 5 years.
AA-000	40 CFR 60.5397b(b), (c), and (d), Subpart OOOOb	5.2	VOC, GHG (methane)	Develop a fugitive emissions monitoring plan
	40 CFR 60.5397b(e), Subpart OOOOb	5.3		Fugitive emissions components and exceptions
	40 CFR 60.5397b(f) and (g)(1)(v), Subpart OOOOb	5.4		Initial and subsequent fugitive emissions monitoring survey frequency
	40 CFR 60.5397b(h), Subpart OOOOb	5.5		Fugitive emissions repair requirements
	40 CFR 60.5397b(k) and 60.5420b(c)(14)(i), (iv), and (v), Subpart OOOOb	5.6		General recordkeeping requirements
	40 CFR 60.5397b(i) and 60.5410b(k), Subpart OOOOb	5.7		Initial compliance demonstration
	40 CFR 60.5397b(j) and 60.5415b(l), Subpart OOOOb	5.8		Continuous compliance demonstration
AA-021	40 CFR 60.5380b(a)(6)(ii) and (iii), Subpart OOOOb	5.9	Volumetric flow	Volumetric flow rate monitoring requirements
	40 CFR 60.5380b(a)(7)(iii) and (a)(8), Subpart OOOOb	5.10	Seal repair	Dry seal repair requirements
	40 CFR 60.5380b(b) and 60.5410b(d)(6), (7), and (8), Subpart OOOOb	5.11	GHG and VOC	Initial compliance demonstration
	40 CFR 60.5380b(c) and 60.5415b(d)(2)-(4), Subpart OOOOb	5.12	GHG and VOC	Continuous compliance demonstration
	40 CFR 60.5380b(d) and 60.5420b(c)(4)(i) and (iii), Subpart OOOOb	5.13	Volumetric flow, hours of operation	General recordkeeping requirements
AA-021	40 CFR 60.4333a(b)(1)-(4), 60.4333a(c)(2), 60.4340a(a)(1), and 60.4400a, Subpart KKKKa	5.14	NO _x	Initial and subsequent performance testing
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.15		Annual performance testing

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring/Recordkeeping Requirement
AA-021	40 CFR 60.4333a(d)(3) and 60.4415a(a), Subpart KKKKa	5.16	Fuel Sulfur Content	Records of sulfur content of natural gas
	40 CFR 60.4372a(a) and (b) and 60.4390a(f), Subpart KKKKa	5.17		Fuel monitoring
	40 CFR 60.4390a(a), Subpart KKKKa	5.18	Records	General recordkeeping requirements
AA-021	40 CFR 63.6110(a), 63.6115, 63.6120, 63.6130(a), Table 3, and Table 4, Subpart YYYY and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(1).	5.19	Formaldehyde	Initial and subsequent annual performance tests
	40 CFR 63.6125(b) and (e), 63.6135, 63.6140(a), and Table 5, Subpart YYYY	5.20	Operating parameters	Continuously monitor the operating limitations per the approved petition
	40 CFR 63.6155(a), (c), and (d) and 63.6160, Subpart YYYY	5.21	Records	General recordkeeping requirements
AA-022	40 CFR 60.4237(a) and 60.4245(b), Subpart JJJJ	5.22	Hours of operation	Install non-resettable hour meter and record hours of operation
	40 CFR 60.4245(a)(1)-(3), Subpart JJJJ	5.23	Records	General recordkeeping requirements

5.1 The permittee shall retain all required records, monitoring data, supporting information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to DEQ as required by Applicable Rules and Regulations or this permit upon request.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.9.)

5.2 For Emission Point AA-000, the permittee must develop a fugitive emissions monitoring plan containing the following elements and that covers all fugitive emissions components affected facilities within each company-defined area.

- (a) Frequency for conducting surveys. Surveys must be conducted at least as frequently as required by Condition 5.4.
- (b) Technique for determining fugitive emissions (i.e., AVO or other detection methods, Method 21 of appendix A-7 to 40 CFR Part 60, and/or OGI meeting the requirements of paragraph (g)).

- (c) Manufacturer and model number of fugitive emissions detection equipment to be used, if applicable.
- (d) 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. The repair schedule must meet the requirements of Condition 5.5 at a minimum.
- (e) Procedures and timeframes for verifying fugitive emission component repairs.
- (f) Records that will be kept and the length of time records will be kept.
- (g) If the permittee uses OGI, the plan must also include the elements specified in 40 CFR 60.5397b(c)(7)(i) through (vii). The plan must also include procedures to ensure that all fugitive emissions components, except buried yard piping and associated components (e.g., connectors), 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.
- (h) If the permittee uses Method 21 of appendix A-7 to this part, the plan must also include the elements specified in 40 CFR 60.5397b(c)(8)(i) through (iv). For the purposes of complying with the fugitive emissions monitoring program using Method 21 of appendix A-7 to 40 CFR Part 60, a fugitive emission is defined as an instrument reading of 500 ppmv or greater.

The plan must also 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.). The fugitive emissions monitoring plan must include the written plan developed for all of the fugitive emissions components designated as difficult-to-monitor in accordance with 40 CFR 60.5397b(g)(2), and the written plan for fugitive emissions components designated as unsafe-to-monitor in accordance with 40 CFR 60.5397b(g)(3).

(Ref.: 40 CFR 60.5397b(b), (c), and (d), Subpart OOOOb)

- 5.3 For Emission Point AA-000, each fugitive emissions component, except buried yard piping and associated components (e.g., connectors), shall be observed or monitored for fugitive emissions during each monitoring survey.

(Ref.: 40 CFR 60.5397b(e), Subpart OOOOb)

- 5.4 For Emission Point AA-000, the permittee must conduct an initial monitoring survey using OGI or Method 21 of appendix A-7 to 40 CFR Part 60 within 90 days of the startup of production. Subsequent monitoring surveys must be conducted at the frequencies in paragraphs (a) and (b) of this condition.

- (a) A monitoring survey must be conducted at least monthly using AVO, or any other detection method, after the initial survey. Any indications of fugitive emissions using these methods are considered fugitive emissions that must be repaired in accordance with Condition 5.5.
- (b) A monitoring survey must be conducted at least quarterly using OGI or Method 21 of appendix A-7 to this part after the initial survey. Consecutive quarterly monitoring surveys must be conducted at least 60 calendar days apart.

(Ref.: 40 CFR 60.5397b(f) and (g)(1)(v), Subpart OOOOb)

5.5 For Emission Point AA-000, the permittee shall repair each identified source of fugitive emissions in accordance with the following paragraphs:

- (a) A first attempt at repair shall be made in accordance with paragraphs (a)(1) and (a)(2) of this condition.
 - (1) A first attempt at repair shall be made no later than 15 calendar days after detection of fugitive emissions that were identified using AVO.
 - (2) If the permittee is complying by using OGI or Method 21 of appendix A-7 to 40 CFR Part 60, 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 15 calendar days after the first attempt at repair as required in paragraph (a)(1), and 30 calendar days after the first attempt at repair as required in paragraph (a)(2).
- (c) Delay of repair will be allowed if the conditions in 40 CFR 60.5397b(h)(3)(i) or (ii) are met.
- (d) Each identified source of fugitive emissions must be resurveyed to complete repair according to the requirements of 40 CFR 60.5397b(h)(4)(i) through (v), to ensure that there are no fugitive emissions.

(Ref.: 40 CFR 60.5397b(h), Subpart OOOOb)

5.6 For Emission Point AA-000, the permittee shall maintain the records identified in paragraphs (a) through (c) of this condition.

- (a) The date of startup.
- (b) The fugitive emissions monitoring plan as required in Condition 5.2.
- (c) The records of each monitoring survey as specified in paragraphs (c)(1) through (c)(9) of this condition:
 - (1) Date of the survey.

- (2) Beginning and end time of the survey.
- (3) Name of operator(s), training, and experience of the operator(s) performing the survey.
- (4) Monitoring instrument or method used.
- (5) Fugitive emissions component identification when Method 21 of appendix A-7 to this part is used to perform the monitoring survey.
- (6) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey. For compressor stations, operating mode of each compressor (i.e., operating, standby pressurized, and not operating-depressurized modes) at the station at the time of the survey.
- (7) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.
- (8) Records of calibrations for the instrument used during the monitoring survey.
- (9) Documentation of each fugitive emission detected during the monitoring survey, including the information specified in paragraphs (c)(9)(i) through (c)(9)(ix).
 - (i) Location of each fugitive emission identified.
 - (ii) Type of fugitive emissions component, including designation as difficult-to-monitor or unsafe-to-monitor, if applicable.
 - (iii) If Method 21 of appendix A-7 to this part is used for detection, record the component ID and instrument reading.
 - (iv) For each repair that cannot be made during the monitoring survey when the fugitive emissions are initially found, a digital photograph or video must be taken of that component or the component must be tagged for identification purposes. The digital photograph must include the date that the photograph was taken and must clearly identify the component by location within the site (e.g., the latitude and longitude of the component or by other descriptive landmarks visible in the picture). The digital photograph or identification (e.g., tag) may be removed after the repair is completed, including verification of repair with the resurvey.
 - (v) The date of first attempt at repair of the fugitive emissions component(s).

- (vi) The date of successful repair of the fugitive emissions component, including the resurvey to verify repair and instrument used for the resurvey.
- (vii) Identification of each fugitive emission component placed on delay of repair and explanation for each delay of repair.
- (viii) For each fugitive emission component placed on delay of repair for reason of replacement component unavailability, the operator must document: the date the component was added to the delay of repair list, the date the replacement fugitive component or part thereof was ordered, the anticipated component delivery date (including any estimated shipment or delivery date provided by the vendor), and the actual arrival date of the component.
- (ix) Date of planned shutdowns that occur while there are any components that have been placed on delay of repair.

(Ref.: 40 CFR 60.5397b(k) and 60.5420b(c)(14)(i), (iv), and (v), Subpart OOOOb)

5.7 For Emission Point AA-000, to achieve initial compliance with the GHG and VOC standards for fugitive emissions components, the permittee must comply with paragraphs (a) through (e) of this condition.

- (a) The permittee must develop a fugitive emissions monitoring plan as required in Condition 5.2.
- (b) The permittee must conduct an initial monitoring survey as required in Conditions 5.3 and 5.4.
- (c) The permittee must repair each identified source of fugitive emissions for each affected facility as required in Condition 5.5.
- (d) The permittee must submit the initial annual report for each fugitive emissions components affected facility as required in Conditions 6.2 and 6.3.
- (e) The permittee must maintain the records specified in Condition 5.6.

(Ref.: 40 CFR 60.5397b(i) and 60.5410b(k), Subpart OOOOb)

5.8 For Emission Point AA-000, the permittee must demonstrate continuous compliance with the requirements of Conditions 5.2 through 5.6 according to paragraphs (a) through (d) of this condition.

- (a) Periodic monitoring surveys must be conducted as required in Conditions 5.3 and 5.4.

- (b) Each identified source of fugitive emissions must be repaired as required in Condition 5.5.
- (c) Annual reports must be submitted for fugitive emissions components affected facilities as required in Conditions 6.2 and 6.3.
- (d) Records must be maintained as specified in Condition 5.6.

(Ref.: 40 CFR 60.5397b(j) and 60.5415b(l), Subpart OOOOb)

- 5.9 For Emission Point AA-021, the permittee must conduct the first volumetric flow rate measurements from each compressor dry seal on or before 8,760 hours of operation after startup using the methods specified in 40 CFR 60.5380b(a)(7)(iii). The permittee must conduct subsequent volumetric flow rate measurements from each compressor dry seal on or before 8,760 hours of operation after the previous measurement which demonstrates compliance with the applicable volumetric flow rate of 10 scfm per seal (or a combined volumetric flow rate not to exceed the sum of the individual seals multiplied by 10 scfm).

(Ref.: 40 CFR 60.5380b(a)(6)(ii) and (iii), Subpart OOOOb)

- 5.10 For Emission Point AA-021, if the volumetric flow measurement determined according to Condition 5.9 exceeds 10 scfm multiplied by the number of dry seals connected to the vent, the dry seals connected to the measured vent must be repaired within 90 calendar days after the date of the volumetric emissions measurement. The permittee must conduct follow-up volumetric flow rate measurements from seal vents using the methods specified in 40 CFR 60.5380b(a)(7)(iii) within 15 days after the repair to document that the rate has been reduced to less than the sum of the individual seals multiplied by 10 scfm. Delay of repair will be allowed if the conditions in paragraph (a) or (b) of this condition are met.

- (a) If the repair of the dry seal is technically infeasible, would require a vent blowdown, a compressor station shutdown, 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, after a scheduled vent blowdown, or within two (2) years of the date of the volumetric emissions measurement that exceeds the applicable required flow rate per seal, 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.
- (b) If the repair requires replacement of the compressor seal or a part thereof, but the replacement cannot be acquired and installed within the repair timelines specified in this condition due to the circumstances specified in paragraph (b)(1) of this condition, the repair must be completed in accordance with paragraph (b)(2) of this condition and documented in accordance with Condition 5.13.
 - (1) Seal or seal parts had been sufficiently stocked but are depleted at the time of the required repair.

- (2) The required replacement must be ordered no later than 10 calendar days after the centrifugal compressor seal is added to the delay of repair list due to parts unavailability. The repair must be completed as soon as practicable, but no later than 30 calendar days after receipt of the replacement seal or part, unless the repair requires a compressor station shutdown. If the repair requires a compressor station shutdown, the repair must be completed in accordance with the timeframe specified in paragraph (a) of this condition.

(Ref.: 40 CFR 60.5380b(a)(7)(iii) and (a)(8), Subpart OOOOb)

5.11 For Emission Point AA-021, the permittee must demonstrate initial compliance with the standards in Condition 3.2 by complying with paragraphs (a) through (c) of this condition.

- (a) The permittee must maintain volumetric flow rate at or below 10 scfm per seal and must conduct the initial annual volumetric flow rate measurement as required by Condition 5.9.
- (b) The permittee must submit the initial annual report required by Conditions 6.2 and 6.4.
- (c) The permittee must maintain the records specified in Condition 5.13.

(Ref.: 40 CFR 60.5380b(b) and 60.5410b(d)(6), (7), and (8), Subpart OOOOb)

5.12 For Emission Point AA-021, the permittee must demonstrate continuous compliance with the standards in Condition 3.2 for the centrifugal compressor by complying with the paragraphs (a) through (c) of this condition.

- (a) The permittee must maintain the volumetric flow rate at or below the flow rate specified in Condition 3.2 and must conduct the required volumetric flow rate measurement of each compressor seal vent in accordance with Condition 5.9 on or before 8,760 hours of operation after the last volumetric flow rate measurement which demonstrated compliance with the applicable volumetric flow rate.
- (b) The permittee must submit the annual reports as required in Conditions 6.2 and 6.4.
- (c) The permittee must maintain records as required in Condition 5.13.

(Ref.: 40 CFR 60.5380b(c) and 60.5415b(d)(2)-(4), Subpart OOOOb)

5.13 Emission Point AA-021, the permittee must maintain the following records for the centrifugal compressor:

- (a) Records of deviations in cases where the centrifugal compressor was not operated in compliance with the requirements specified in Conditions 5.9 and 5.10, including a description of each deviation, the date and time each deviation began, and the duration of each deviation in hours.

- (b) Records of the cumulative number of hours of operation since initial startup, or since the previous volumetric flow rate measurement, as applicable.
- (c) A description of the method used and the results of the volumetric flow rate measurement or emissions screening, as applicable.
- (d) Records for all flow meters, composition analyzers and pressure gauges used to measure volumetric flow rates as specified in paragraphs (d)(1) through (6) of this condition.
 - (1) Description of standard method published by a consensus-based standards organization or industry standard practice.
 - (2) Records of volumetric flow rate calculations conducted according to Condition 5.9, as applicable.
 - (3) Records of manufacturer operating procedures and measurement methods.
 - (4) Records of manufacturer's recommended procedures or an appropriate industry consensus standard method for calibration and results of calibration, recalibration, and accuracy checks.
 - (5) Records which demonstrate that measurements at the remote location(s) can, when appropriate correction factors are applied, reliably and accurately represent the actual temperature or total pressure at the flow meter under all expected ambient conditions. The permittee must include the date of the demonstration, the data from the demonstration, the mathematical correlation(s) between the remote readings and actual flow meter conditions derived from the data, and any supporting engineering calculations. If adjustments were made to the mathematical relationships, a record and description of such adjustments.
 - (6) Record of each initial calibration or a recalibration which failed to meet the required accuracy specification and the date of the successful recalibration.
- (e) Date when performance-based volumetric flow rate is exceeded.
- (f) The date of successful repair of the compressor seal, including follow-up performance-based volumetric flow rate measurement to confirm successful repair.
- (g) Identification of each compressor seal placed on delay of repair and explanation for each delay of repair.
- (h) For each compressor seal or part needed for repair that is placed on delay of repair because of replacement seal or part unavailability, the permittee must document: the date the seal or part was added to the delay of repair list, the date the replacement seal or part was ordered, the anticipated seal or part delivery date (including any

estimated shipment or delivery date provided by the vendor), and the actual arrival date of the seal or part.

- (i) Date of planned shutdowns that occur while there are any seals or parts that have been placed on delay of repair.

(Ref: 40 CFR 60.5380b(d) and 60.5420b(c)(4)(i) and (iii), Subpart OOOOb)

5.14 For Emission Point AA-021, to demonstrate compliance with the NO_x emissions standard in Condition 3.4 (i.e., 15 ppmvd @ 15% O₂), the permittee must conduct an initial performance test according to 40 CFR 60.8 using the applicable methods in 40 CFR 60.4400a. Thereafter, the permittee must conduct subsequent performance tests within 14 calendar months of the date that the previous performance test was conducted, except as provided for in paragraphs (a) through (c) of this condition.

- (a) If the NO_x emission result from the most recent performance test is less than or equal to 75 percent of the NO_x emissions standard for the stationary combustion turbine in Conditions 3.4, the permittee may reduce the frequency of subsequent performance tests to 26 calendar months following the date the previous performance test was conducted. If the results of any subsequent performance test exceed 75 percent of the NO_x emissions standard in Condition 3.4 for the stationary combustion turbine, the permittee must resume 14-calendar-month performance testing.
- (b) If a turbine has not operated for the 60 calendar days prior to the due date of a performance test, the permittee is not required to perform the subsequent performance test until 45 calendar days or 10 operating days, whichever is longer, after the next operating day. The DEQ must be notified of recommencement of operation consistent with Condition 6.5.
- (c) If the permittee has operated a turbine 168 operating hours or less since the date on which the previous performance test was conducted, the permittee may request that the otherwise required performance test be postponed until the turbine has operated more than 168 operating hours since the date on which the previous performance test was conducted. A request for an extension must be addressed to the DEQ for approval at least 30 calendar days prior to the date on which the performance test is required to be conducted. If a postponement is approved, a performance test must be conducted within 45 calendar days after the day that the turbine reaches 168 hours of operation since the date on which the previous performance test was conducted. When the turbine has operated more than 168 operating hours since the date on which the previous performance test was conducted, the DEQ must be notified consistent with Condition 6.5.

(Ref.: 40 CFR 60.4333a(b)(1)-(4), 60.4333a(c)(2), 60.4340a(a)(1), and 60.4400a, Subpart KKKKa)

5.15 For Emission Point AA-021, to demonstrate compliance with the NO_x emissions standard in Condition 3.5 (i.e., 9 ppmvd @ 15% O₂), the permittee must conduct an initial

performance test within 60 days after achieving the maximum capacity at which the turbine will be operated, but not later than 180 days after initial startup of the turbine. The performance test shall be conducted according to the applicable EPA procedures in 40 CFR 60.4400a. Thereafter, the permittee must conduct subsequent performance tests within 14 calendar months of the date that the previous performance test was conducted.

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

- 5.16 For Emission Point AA-021, to demonstrate compliance with the SO₂ emissions standard in Condition 3.6, the permittee must conduct an initial performance test by submitting fuel records (such as a current, valid purchase contract, tariff sheet, transportation contract, or results of a fuel analysis) to satisfy the requirements of 40 CFR 60.8. Thereafter, the permittee shall maintain records (such as a current, valid purchase contract, tariff sheet, or transportation contract) documenting that total sulfur content for the initial and subsequent fuel combusted in the stationary combustion turbines at all times does not exceed applicable conditions specified in Condition 5.17.

(Ref.: 40 CFR 60.4333a(d)(3) and 60.4415a(a), Subpart KKKKa)

- 5.17 For Emission Point AA-021, the permittee must maintain on-site records (such as a current, valid purchase contract, tariff sheet, or transportation contract) documenting that total sulfur content for the fuel combusted in the stationary combustion turbines at all times has a potential SO₂ emissions rate of 26 ng/J (0.060 lb/MMBtu) heat input or less.

(Ref.: 40 CFR 60.4372a(a) and (b) and 60.4390a(f), Subpart KKKKa)

- 5.18 For Emission Point AA-021, the permittee must maintain records of the information used to demonstrate compliance with Subpart KKKKa as specified in 40 CFR 60.7.

(Ref.: 40 CFR 60.4390a(a), Subpart KKKKa)

- 5.19 For Emission Point AA-021, the permittee must conduct an initial performance test within 180 days of startup to demonstrate compliance with the emission standard in Condition 3.8. Subsequent performance tests must be conducted on annual basis thereafter (i.e., within 13 months of the previous test). The performance test shall be conducted according to the applicable procedures in 40 CFR 63.6120 and Table 3 to Subpart YYYY. During each performance test, the permittee must measure those operating parameters proposed and subsequently approved by the EPA in the petition required by Condition 3.9.

(Ref.: 40 CFR 63.6110(a), 63.6115, 63.6120(e), 63.6130(a), Table 3, and Table 4, Subpart YYYY and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(1).)

- 5.20 For Emission Point AA-021, upon approval of the operating limitations in Condition 3.9, the permittee must continuously monitor any parameters specified in the approved petition to the EPA. If the approved petition requires the use of a continuous monitoring system (CMS), the permittee must develop and implement a CMS quality control program meeting the following requirements:

- (a) Written procedures for CMS must comply with 40 CFR 63.8(d)(1) and (2).
- (b) The written procedures must be kept on record for the life of the turbine, to be made available for inspection, upon request, by the DEQ. If the performance evaluation plan is revised, the permittee shall keep previous (i.e., superseded) versions of the performance evaluation plan on record to be made available for inspection, upon request, by the DEQ, for a period of five (5) years after each revision to the plan. The program of corrective action should be included in the plan required under 40 CFR 63.8(d)(2).
- (c) 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 must conduct all parametric monitoring at all times the stationary combustion turbine is operating.
- (d) The permittee shall not use data recorded during monitor malfunctions, associated repairs, and required quality assurance or quality control activities for meeting the requirements of Subpart YYYY, including data averages and calculations. The permittee must 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 63.6125(b) and (e), 63.6135, 63.6140(a), and Table 5, Subpart YYYY)

5.21 For Emission Point AA-021, the permittee must keep the following records in accordance with the requirements of 40 CFR 63.10(b)(1):

- (a) A copy of each notification and report submitted to comply with Subpart YYYY, including all documentation supporting any Initial Notification or Notification of Compliance Status 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 regarding deviations, 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 40 CFR 63.6105(c), and any corrective actions taken to return the affected unit to its normal or usual manner of operation.
- (f) Records demonstrating continuous compliance with the monitoring parameters in the petition approved in accordance with Condition 3.9.

Any records required to be maintained by this condition that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. The ability to maintain electronic copies does not affect the requirement to make records, data, and reports available upon request to the DEQ or the EPA as part of an on-site compliance evaluation.

(Ref.: 40 CFR 63.6155(a), (c), and (d) and 63.6160, Subpart YYYY)

- 5.22 For Emission Point AA-022, the permittee shall install a non-resettable hour meter on the engine, if one is not already installed. The permittee shall keep records of the hours of operation of the engine that is recorded through the hour meter. The permittee shall document how many hours are spent in emergency operation, including what classified the operation as an emergency, and how many hours are spent in non-emergency operation.

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

- 5.23 For Emission Point AA-022, the permittee shall keep the 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) Documentation from the engine manufacturer that the engine is certified to meet the emission standards in Condition 3.14.

(Ref.: 40 CFR 60.4245(a)(1)-(3), Subpart JJJJ)

SECTION 6. REPORTING REQUIREMENTS

Emission Point	Applicable Requirement	Condition Number(s)	Reporting Requirement
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1(a)	Report deviations within five (5) working days
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1(b)	Semiannual reporting
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.1(c)	Certification by responsible official
	11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).	6.1(d)	Notification of beginning actual construction within 15 days
	11 Miss. Admin. Code Pt. 2, R. 2.5.C(3).	6.1(e)	Notification when construction does not begin or is suspended
	11 Miss. Admin. Code Pt. 2, R. 2.5.D(1) and (3).	6.1(f)	Certification of completion of construction prior to operation
	11 Miss. Admin. Code Pt. 2, R. 2.5.D(2).	6.1(g)	Notification of changes in construction
AA-000 AA-021	40 CFR 60.5385b(g), 60.5420b(b)(1), and 60.5420b(d)-(f), Subpart OOOOb	6.2	General information for annual reports
AA-000	40 CFR 60.5397b(k) and 60.5420b(b)(9), Subpart OOOOb	6.3	Equipment leak-specific information for annual reports
AA-021	40 CFR 60.5380b(d) and 60.5420b(b)(5), Subpart OOOOb	6.4	Compressor-specific information for annual reports
	40 CFR 60.4375a(b)-(j), Subpart KKKKa and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.5	Notification and reporting requirements
	40 CFR 63.6145(a), (c), (e), and (f) and 63.6150(f), Subpart YYYYY	6.6	Notification requirements
	40 CFR 63.6150(a), (b), (g), (h), and (i) and Table 6, Subpart YYYYY and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.7	Semiannual reporting requirements
	40 CFR 63.6150(f), Subpart YYYYY and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.8	Performance test reports
	40 CFR 63.6120(f) and (g), Subpart YYYYY and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.9	Submittal of petition for operating limitations or no additional operating limitations
AA-022	40 CFR 63.6645(f), Subpart ZZZZ	6.10	Initial notification
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.11	Annual report summarizing hours of operation in emergency and non-emergency use

6.1 General Reporting Requirements:

- (a) 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. 2.2.B(11).)

- (b) Beginning upon issuance of this permit and lasting until issuance or modification of the applicable operating permit, the permittee shall submit reports of any required monitoring by July 31st and January 31st 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. 2.1.C. Where no monitoring data is required to be reported and/or there are no deviations to report, the report shall contain the appropriate negative declaration. For any air emissions equipment not yet constructed and/or operating the report shall so note and include an estimated date of commencement of construction and/or startup, whichever is applicable.

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

- (c) Any document required by this permit to be submitted to the DEQ shall contain a certification signed by a responsible official stating 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. 2.2.B(11).)

- (d) Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).)

- (e) The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(3).)

- (f) Upon the completion of construction or installation of an approved stationary source or modification, and prior to commencing operation, the applicant shall notify the Permit Board that construction or installation was performed in accordance with the approved plans and specifications on file with the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(1) and (3).)

- (g) The Permit Board shall be promptly notified in writing of any change in construction from the previously approved plans and specifications or permit. If the Permit Board determines the changes are substantial, it may require the submission of a new application to construct with “as built” plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an “as built” application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(2).)

6.2 For Emission Points AA-000 and AA-021, the permittee must submit an initial annual report no later than 90 days after the end of the initial compliance period. Subsequent annual reports shall be submitted by January 31st, according to Condition 6.1(b). The general information specified in paragraphs (a) through (d) of this condition is required for all reports.

- (a) The company name, facility site name associated with the affected facility, and address of the affected facility.
- (b) An identification of each affected facility being included in the annual report.
- (c) Beginning and ending dates of the reporting period.
- (d) 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. If a report is submitted via CEDRI, the certifier's electronic signature during the submission process replaces the requirement in this permit condition.

In addition to submittal of this report to DEQ, the permittee shall submit the reports to the EPA via CEDRI according to the applicable requirements of 40 CFR 60.5420b(d)-(f).

(Ref: 40 CFR 60.5385b(g), 60.5420b(b)(1), and 60.5420b(d)-(f), Subpart OOOOb)

6.3 For Emission Point AA-000, the permittee shall include the information in paragraphs (a) and (b) of this condition in the annual reports submitted according to Condition 6.2.

- (a) Designation of the type of site (i.e., compressor station) at which the fugitive emissions components affected facility is located.
- (b) For each fugitive emissions monitoring survey performed during the annual reporting period, the information specified in paragraphs (b)(1) through (7) of this condition.
 - (1) Date of the survey.

- (2) Monitoring instrument or, if the survey was conducted by AVO methods, notation that AVO was used.
- (3) Any deviations from the monitoring plan elements under Condition 5.2 or a statement that there were no deviations from these elements of the monitoring plan.
- (4) Number and type of components for which fugitive emissions were detected.
- (5) Number and type of fugitive emissions components that were not repaired as required by Condition 5.5.
- (6) 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.
- (7) Date of planned shutdown(s) that occurred during the reporting period if there are any components that have been placed on delay of repair.

(Ref.: 40 CFR 60.5397b(k) and 60.5420b(b)(9), Subpart OOOOb)

6.4 For Emission Point AA-021, the permittee shall include the information in paragraphs (a) through (e) of this condition in the annual reports submitted according to Condition 6.2.

- (a) An identification of the centrifugal compressor constructed during the reporting period.
- (b) If applicable, for each deviation that occurred during the reporting period and recorded as specified in paragraph Condition 5.13(a), the date and time the deviation began, duration of the deviation in hours and a description of the deviation. If no deviations occurred during the reporting period, the permittee must include a statement that no deviations occurred during the reporting period.
- (c) The cumulative number of hours of operation since initial startup or since the previous volumetric flow rate measurement, as applicable, which have elapsed prior to conducting the volumetric flow rate measurement or emissions screening.
- (d) A description of the method used and the results of the volumetric flow rate measurement or emissions screening, as applicable.
- (e) Number and type of seals on delay of repair and explanation for each delay of repair.
- (f) Date of planned shutdown(s) that occurred during the reporting period if there are any seals that have been placed on delay of repair.

(Ref: 40 CFR 60.5380b(d) and 60.5420b(b)(5), Subpart OOOOb)

6.5 For Emission Point AA-021, the permittee must submit the reports in paragraphs (a) through (d) of this condition.

- (a) The notification requirements of 40 CFR 60.8 applicable to the initial and subsequent performance tests.
- (b) When complying with Condition 5.14(b), notification to the DEQ within 15 calendar days after the facility recommences operation.
- (c) When complying with Condition 5.14(c), notification to the DEQ within 15 calendar days after the facility has operated more than 168 operating hours since the date the previous performance test was required to be conducted.
- (d) Within 60 days after the date of completing each performance test, the permittee must submit the results in EPA's Compliance and Emissions Data Reporting Interface (CEDRI) as specified in 40 CFR 60.4375a(e) through (j), in addition to submitting the test results to the DEQ.

(Ref.: 40 CFR 60.4375a(b)-(j), Subpart KKKKa and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

6.6 For Emission Point AA-021, the permittee shall submit the following notifications:

- (a) Submit all 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), submit an Initial Notification not later than 120 calendar days after the permittee becomes subject to Subpart YYYY.
- (c) Submit 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) Submit 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 must 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) and 63.6150(f), Subpart YYYY)

6.7 For Emission Point AA-021, in accordance with Condition 6.1(b), the permittee shall submit a semiannual compliance report, including the excess emissions and monitoring system performance reports of 40 CFR 63.10(e)(3), containing the information in paragraphs (a) through (d). Once a reporting template is available on EPA's CEDRI website for 180 days, the permittee shall submit all subsequent reports to the EPA according to the procedures in 40 CFR 63.6150(g) through (i). In addition, semiannual

compliance reports must continue to be submitted directly to the DEQ according to Condition 6.1(b).

- (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 in paragraphs (d)(1) through (d)(4) of this condition.
 - (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 must 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.

(Ref.: 40 CFR 63.6150(a), (b), (g), (h), and (i) and Table 6, Subpart YYYY and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 6.8 For Emission Point AA-021, the permittee shall submit a copy of the performance test report within 60 days after the date of completing each performance test required by Condition 5.19. Performance test reports shall be submitted directly to the DEQ and via EPA's Electronic Reporting Tool according to the procedures in 40 CFR 63.6150(f)(1)-(3).

(Ref.: 40 CFR 63.6150(f), Subpart YYYY and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 6.9 For Emission Point AA-021, to demonstrate compliance with Condition 3.9, the permittee shall submit a petition for additional operating limitations or no additional operating limitations prior to startup of the turbine. The petition shall contain the information required by 40 CFR 63.6120(f) or (g), as applicable.

(Ref.: 40 CFR 63.6120(f) and (g), Subpart YYYY and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

- 6.10 For Emission Point AA-022, the permittee shall submit an Initial Notification including the information in 40 CFR 63.9(b)(2)(i) through (v), a statement that the stationary RICE has no additional requirements, and an explanation for the basis of the exclusion (for example, it operates exclusively as an emergency stationary RICE and has a site rating of more than 500 brake HP located at a major source of HAP emissions).

(Ref.: 40 CFR 63.6645(f), Subpart ZZZZ)

- 6.11 For Emission Point AA-022, the permittee shall submit an annual report on January 31st for the preceding calendar year summarizing 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.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)