STATE OF MISSISSIPPI
AND FEDERALLY ENFORCEABLE
AIR POLLUTION CONTROL
PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT AT A SYNTHETIC MINOR SOURCE

THIS CERTIFIES THAT

Caledonia Energy Partners LLC, Caledonia Gas Storage Facility
500 Flint Hill Road
Caledonia, Mississippi
Lowndes 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 the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

Krystal Rudolph

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: July 27, 2021 **Permit No.: 1680-00063**

Effective Date: As specified herein.

Expires: June 30, 2026

Section 1.

A. GENERAL CONDITIONS

1. This permit is for air pollution control purposes only.

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

2. This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.4.D.)

3. Any activities not identified in the application are not authorized by this permit.

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

4. 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 constructing or operating without a valid permit.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)

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).)

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 this 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).)

7. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

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

8. The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:

   a. To enter 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. At reasonable times 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 emission.

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

9. 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)

10. 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. 2.1.D(7).)

11. This permit does not authorize a modification as defined in Regulation 11 Miss. Admin. Code Pt. 2, Ch.2., "Permit Regulations for the Construction and/or Operation of Air Emission Equipment." A modification may require a Permit to Construct and a modification of this permit. Modification is defined as "Any 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 Part 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 Part 51, 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).)

B. GENERAL OPERATIONAL CONDITIONS

1. 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 Regulation, 11 Miss. Admin. Code Pt. 2, "Regulations for the Prevention of Air Pollution Emergency Episodes" for the level of emergency declared.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.10.)

2. Any diversion from or bypass of collection and control facilities is prohibited, except as provided for in 11 Miss. Admin. Code Pt. 2, R. 1.10., "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants."

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

3. Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering State waters without the proper environmental permits.

   (Ref.: Miss. Code Ann. 49-17-29 1.a(i and ii))

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

   a. Upsets

      (1) For an upset defined in 11 Miss. Admin. Code Pt. 2, R. 1.2., 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 by 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.)

5. 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).)

C. PERMIT RENEWAL / MODIFICATION / TRANSFER / TERMINATION

1. For renewal of this permit, the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. If the applicant submits a timely and complete application pursuant to this paragraph and the Permit Board, through no fault of the applicant, fails to act on the application on or before the expiration date of the existing permit, the applicant shall continue to operate the stationary source under the terms and conditions of the expired permit, which shall remain in effect until final action on the application is taken by the Permit Board. Permit expiration terminates the source's ability to operate unless a timely and complete renewal application has been submitted.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.8.)

2. 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 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).)

3. 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).)

4. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:

   a. Persistent violation of any 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.)

5. This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board.

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

SECTION 2
EMISSION POINT DESCRIPTION

The permittee is authorized to operate air emissions equipment, as described in the following table.

Emission Point	Facility Reference	Description
AA-001	C-100	3550 hp natural gas-fired compressor engine for the transmission of natural gas (2005 4SLB Spark Ignition) equipped with an oxidation catalyst
AA-002	C-200	3550 hp natural gas-fired compressor engine for the transmission of natural gas (2005 4SLB Spark Ignition) equipped with an oxidation catalyst
AA-003	C-300	3550 hp natural gas-fired compressor engine for the transmission of natural gas (2005 4SLB Spark Ignition) equipped with an oxidation catalyst
AA-004	H-1001	11.0 MMBTU/hr pipeline-quality natural gas-fired fuel gas line heater (2006)
AA-005	H-1002	11.0 MMBTU/hr pipeline-quality natural gas-fired fuel gas line heater (2006)
AA-006	H-1003	11.0 MMBTU/hr pipeline-quality natural gas-fired fuel gas line heater (2006)
AA-007	H-1004	11.0 MMBTU/hr pipeline-quality natural gas-fired fuel gas line heater (2006)
AA-008	--	6.0 MMBTU/hr TEG Dehydrator, pipeline quality natural gas-fired reboiler #1 (2006)
AA-009	--	6.0 MMBTU/hr TEG Dehydrator, pipeline quality natural gas-fired reboiler #2 (2006)
AA-012	--	1072 hp (800 kW) diesel-fired emergency generator (2006 Compression Ignition)
AA-013	--	4.2 MMBTU/hr pipeline quality natural gas-fired, hot water boiler with forced draft burner (2006)
AA-014	--	2.03 MMBTU/hr thermal oxidizer used to control device to destroy the vent gases generated from the two dehydration units (2010)
AA-015	--	Maintenance, Startup, and Shutdown Activities
AT-001	T-991A	20,000-gallon vertical, fixed roof produced water and condensate storage tank (2006)
AT-002	T-991B	20,000-gallon vertical, fixed roof produced water and condensate storage tank (2006)
AT-003	T-991C	20,000-gallon vertical, fixed roof produced water and condensate storage tank (2006)
AT-004	T-992	8,000-gallon vertical, fixed roof virgin TEG storage tank (2006)
AT-005	T-952	1,000-gallon vertical, fixed roof slop oil storage tank (2006)
AT-006	T-953	1,000-gallon, vertical, fixed roof compressor lubrication oil storage tank
AT-007	T-950	1,535-gallon vertical, fixed roof lubrication oil storage tank
AT-008	T-960	3,000-gallon vertical, fixed roof engine coolant storage tank
AT-009	T-108	1,000-gallon vertical, fixed roof synthetic compressor oil storage tank
AT-010	T-965	2,500-gallon vertical, fixed roof rain water, soapy water, emulsified oils, and other waste liquids storage tank

SECTION 3
EMISSION LIMITATIONS AND STANDARDS

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limitation/Standard
Facility Wide	11 Miss. Admin. Code Pt. 2, R. 1.3.A.	3.1	Opacity	≤ 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2	Equivalent Opacity	≤ 40%
AA-001 AA-002 AA-003 AA-004 AA-005 AA-006 AA-007 AA-008 AA-009 AA-012 AA-013 AA-014	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(2).	3.3	PM (filterable only)	≤ 0.6 lb/MMBTU
AA-001 AA-002 AA-003 AA-012	40 CFR 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) 40 CFR 63.6585(a) and (c) and 63.6590(c), Subpart ZZZZ	3.4	HAP	Applicability.
AA-001 AA-002 AA-003	40 CFR 63.6640(a) and Item 14.a(i) of Table 6, Subpart ZZZZ	3.5	CO	93% average reduction in CO emissions or an average CO less than or equal to 47 ppmvd at 15% O_2
	40 CFR 63.6640(a) and Item 14.a(ii) or (iii) of Table 6, Subpart ZZZZ	3.6	Operating Temperature	Inlet temperature between 450ºF and 1350ºF or shut down engine if catalyst inlet temperature exceeds 1350ºF
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011	3.7	CO	≤ 1.37 lb/hr and 6.00 tpy
		3.8	VOC	≤ 2.39 lb/hr and 10.46 tpy
		3.9	Formaldehyde	≤ 0.696 lb/hr and 3.05 tpy
AA-004 AA-005 AA-006 AA-007 AA-012 AA-013	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.10	SO_2	≤ 4.8 lb/MMBTU
AA-004 AA-005 AA-006 AA-007	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011	3.11	Hours of Operation	≤ 6,570 hours/year
AA-008 AA-009		3.12	Operating Restriction	≤ 38.6 MMscf natural gas combusted/year
AA-012	40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines)	3.13		Applicability

	40 CFR 60.4200(a)(2)(i), Subpart IIII			
	40 CFR 60.4206, Subpart IIII	3.14	NMHC + NO_X, CO, PM	Maintain emission standards
	40 CFR 60.4207(b), Subpart IIII	3.15	Fuel Requirements	Use diesel fuel that meets the requirements of 40 CFR 1090.305
	40 CFR 60.4205(a) and Table 1, Subpart IIII	3.16	HC	≤ 1.3 g/KW-hr (1.0 g/hp-hr)
			NO_X	≤ 9.2 g/KW-hr (6.9 g/hp-hr)
			CO	≤ 11.4 g/KW-hr (8.5 g/hp-hr)
			PM	≤ 0.54 g/KW-hr (0.40 g/hp-hr)
AA-013	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued April 22, 2009	3.17	Operating Restriction	≤ 17.7 MMscf natural gas combusted/year
AA-014	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011	3.18	NO_X	≤ 0.47 lb/hr and 1.68 tpy
		3.19	CO	≤ 1.36 lb/hr and 4.91 tpy
		3.20	VOC	≤ 0.37 lb/hr and 1.34 tpy
		3.21	Total HAP	≤ 0.53 tpy
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Synthetic Minor Operating Permit issued December 19, 2016	3.22	Temperature	Maintain the operating between 1250ºF and 1850ºF
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Synthetic Minor Operating Permit issued July 27, 2021	3.23	Operating	Only operate dehydrators with emissions controlled by thermal oxidizer

3.1 For the entire facility, 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 below.

(a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one-hour period 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% 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 any one hours

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

3.2 For the entire facility, 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 3.1. This shall not apply to vision obscuration caused by uncombined water droplets.

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

3.3 For Emission Points AA-001, AA-002, AA-003, AA-004, AA-005, AA-006, AA-007, AA-008, AA-009, AA-010, AA-011, AA-012, AA-013, and AA-014, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations 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).)

3.4 For Emission Points AA-001, AA-002, AA-003, and AA-012, the permittee is subject to and shall comply with all applicable requirements of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engine (40 CFR 63, Subpart ZZZZ) and the General Provisions as specified in Table 8 (40 CFR 63, Subpart A). Emission Point AA-012 will comply with the provision of 40 CFR 63, Subpart ZZZZ, by complying with the requirements of 40 CFR 60, Subpart IIII.

(Ref.: 40 CFR 63.6585(a) and (c) and 63.6590(c), Subpart ZZZZ)

3.5 For Emission Points AA-001, AA-002, and AA-003, the permittee shall reduce the emissions of CO by 93% or more or have an average CO concentration less than or equal to 47 ppmvd at 15% O_2 by installing an oxidation catalyst in accordance with Condition 4.1.

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

3.6 For Emission Points AA-001, AA-002, and AA-003, the permittee shall install a CPMS to continuously monitor to catalyst inlet temperature according to Condition 5.4, reducing this data to 4-hour rolling averages. The permittee shall maintain the 4-hour rolling average of the catalyst inlet temperature to greater than 450ºF and less than or equal to 1350ºF or immediately shut down the engine if the catalyst inlet temperature exceeds 1350ºF.

(Ref.: 40 CFR 63.6625(b), 63.6640(a), Item 13 of Table 5, and Item 14.a.ii. or iii. of Table 6, Subpart ZZZZ)

3.7 For Emission Points AA-001, AA-002, and AA-003, the permittee shall not emit more than 1.37 pounds per hour (lb/hr) and 6.00 tons per year (tpy), as determined for each consecutive 12-month period on a rolling monthly basis, of carbon monoxide (CO).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.8 For Emission Points AA-001, AA-002, and AA-003, the permittee shall not emit more than 2.39 pounds per hour (lb/hr) and 10.46 tons per year (tpy), as determined for each consecutive 12-month period on a rolling monthly basis, of volatile organic compounds (VOC).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.9 For Emission Points AA-001, AA-002, and AA-003, the permittee shall not emit more than 0.696 pounds per hour (lb/hr) and 3.05 tons per year (tpy), as determined for each consecutive 12-month period on a rolling monthly basis, of formaldehyde.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.10 For Emission Points AA-004, AA-005, AA-006, AA-007, AA-012, and AA-013, the maximum discharge of sulfur oxides from any fuel burning installations 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).)

3.11 For Emission Points AA-004, AA-005, AA-006, and AA-007, the permittee shall limit the hours of operation for each fuel gas line heaters to less than or equal to 6,570 hours of operation for each consecutive 12-month period on a rolling monthly basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.12 For Emission Points AA-008 and AA-009, the permittee shall limit the amount of natural gas combusted to 38.6 million standard cubic feet (MMscf) for each consecutive 12-month period on a rolling monthly basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.13 For Emission Point AA-012, the permittee is subject to and shall comply with all the applicable requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60, Subpart IIII) and the General Provisions as specified in Table 8 (40 CFR 60, Subpart A).

(Ref.: 40 CFR 60.4200(a)(2)(i), Subpart IIII)

3.14 For Emission Point AA-012, the permittee shall operate and maintain the stationary CI ICE so that the engine achieves the applicable emission standards as required in 40 CFR 60.4205, Subpart IIII, over the entire life of the engine.

(Ref.: 40 CFR 60.4206, Subpart IIII)

3.15 For Emission Point AA-012, the permittee shall use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel.

(Ref.: 40 CFR 60.4207(b), Subpart IIII)

3.16 For Emission Point AA-012, the permittee shall emit less than or equal to the following emission rates:

(a) 1.3 g/KW-hr (1.0 g/hp-hr) of hydrocarbons (HC);

(b) 9.2 g/KW-hr (6.9 g/hp-hr) of nitrogen oxides (NO_X);

(c) 11.4 g/KW-hr (8.5 g/hp-hr) of carbon monoxide (CO); and

(d) 0.54 g/KW-hr (0.40 g/hp-hr) of particulate matter (PM).

(Ref.: 40 CFR 60.4205(a) and Table 1, Subpart IIII)

3.17 For Emission Point AA-013, the permittee shall limit the amount of natural gas combusted to 17.7 million standard cubic feet (MMscf) for each consecutive 12-month period on a rolling monthly basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued April 22, 2009)

3.18 Emission Point AA-014, the permittee shall not emit more than 0.47 pounds per hour (lb/hr) and 1.68 tons per year (tpy), as determined for each consecutive 12-month period on a rolling monthly basis, of nitrogen oxides (NO_X).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.19 For Emission Point AA-014, the permittee shall not emit more than 1.36 pounds per hour (lb/hr) and 4.91 tons per year (tpy), as determined for each consecutive 12-month period on a rolling monthly basis, of carbon monoxide (CO).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.20 For Emission Point AA-014, the permittee shall not emit more than 0.37 pounds per hour (lb/hr) and 1.34 tons per year (tpy), as determined for each consecutive 12-month period on a rolling monthly basis, of volatile organic compounds (VOC).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.21 For Emission Point AA-014, the permittee shall not emit more than 0.53 tons per year (tpy), as determined for each consecutive 12-month period on a rolling monthly basis, of total hazardous air pollutants (HAPs).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Modified Synthetic Minor Operating Permit issued November 8, 2011)

3.22 For Emission Point AA-014, the permittee shall maintain the operating temperature of the thermal oxidizer within the range of 1250ºF to 1850ºF at all times during operation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Synthetic Minor Operating Permit Renewal issued December 19, 2016)

3.23 For Emission Point AA-014, the permittee shall only operate the dehydration units with emission controlled by the thermal oxidizer.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in the Synthetic Minor Operating Permit Renewal issued July 27, 2021)

SECTION 4
WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Work Practice
AA-001 AA-002 AA-003	40 CFR 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) 40 CFR 63.6603(a) and Item 9 of Table 2d, Subpart ZZZZ	4.1	Catalyst	Install and maintain oxidation catalyst
	40 CFR 63.6605, Subpart ZZZZ	4.2	Operation and Maintenance	General Requirements
	40 CFR 63.6625(e), Subpart ZZZZ	4.3		Operate and maintain according to instructions
	40 CFR 63.6625(h), Subpart ZZZZ	4.4		Minimize time spent at idle
AA-012	40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) 40 CFR 60.4211(f), Subpart IIII	4.5	Hours of Operation	Emergency RICE requirements
	40 CFR 60.4209(a), Subpart IIII	4.6		Install and maintain non-resettable hour meter
	40 CFR 60.4211(a), Subpart IIII	4.7	Operation and Maintenance	Manufacturer's emission-related instructions
AT-001 AT-002 AT-003 AT-004 AT-005 AT-006 AT-007 AT-008 AT-009 AT-010	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)., as established in Synthetic Minor Operating Permit Renewal issued December 19, 2016	4.8		Minimize emissions

4.1 For Emission Points AA-001, AA-002, and AA-003, the permittee shall install and maintain an oxidation catalyst to reduce HAP emissions from the stationary RICE.

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

4.2 For Emission Points AA-001, AA-002, and AA-003, the permittee shall comply with the following:

(a) The permittee shall be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR 63, Subpart ZZZZ, that apply to the permittee at all times.

(b) At all times the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and

maintenance procedures are being used will be based on information available to 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 63.6605, Subpart ZZZZ)

4.3 For Emission Points AA-001, AA-002, and AA-003, the permittee shall operate and maintain the affected engines and after-treatment control devices according to the manufacturer's emission-related instructions or develop its own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.

(Ref.: 40 CFR 63.6625(e), Subpart ZZZZ)

4.4 For Emission Points AA-001, AA-002, and AA-003, the permittee shall minimize the 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.

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

4.5 For Emission Point AA-012, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described below is prohibited.

(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 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 ICE 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 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 and emergency demand response provided in paragraph (b).

(Ref.: 40 CFR 60.4211(f), Subpart IIII)

4.6 For Emission Point AA-012, the permittee shall install and maintain a non-resettable hour meter prior to startup of the engine.

(Ref.: 40 CFR 60.4209(a), Subpart IIII)

4.7 For Emission Point AA-012, the permittee shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related instruction and only change those emission-related settings that are permitted by the manufacturer.

(Ref.: 40 CFR 60.4211(a), Subpart IIII)

4.8 For Emission Points AT-001, AT-002, AT-003, AT-004, AT-005, AT-006, AT-007, AT-008, AT-009, and AT-010, the permittee shall operate all storage tanks as efficiently as possible to provide the maximum reduction of the release of air contaminants.

(Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B(10)., as established in Synthetic Minor Operating Permit Renewal issued December 19, 2016)

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 five (5) years.
AA-001 AA-002 AA-003 AA-014	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.2	CO	Stack Testing
		5.3	VOC	
AA-001 AA-002 AA-003		5.4	Formaldehyde	
	40 CFR 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) 40 CFR 63.6625(b), Subpart ZZZZ	5.5	HAP	Operating requirements for continuous parameter monitoring system
	40 CFR 63.6640(a) and (b) and 63.63.6660(a), (b), and (c), Subpart ZZZZ	5.6		Continuous Compliance
	40 CFR 63.6640(c), Subpart ZZZZ	5.7		Test Runs
	40 CFR 63.6655(a), (b) and (d), and 63.6660(a), (b), and (c), Subpart ZZZZ	5.8		Recordkeeping
AA-004 AA-005 AA-006 AA-007	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.9	Hours	Maintain records of hours of operation
AA-008 AA-009		5.10	Natural Gas	Maintain records of the amount of gas burned
AA-012	40 CFR 60, Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) 40 CFR 60.4214(b), Subpart IIII	5.11	NO_X, CO, PM, and HC	Record the number of hours of operation of the affected engine
	40 CFR 60.4211(b)(3) and (g)(3), Subpart IIII	5.12		Demonstration of compliance
AA-013	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	5.13	Natural Gas	Maintain records of the amount of gas burned
AA-014		5.14	NO_X	Stack Testing
		5.15	HAP	
		5.16	Temperature	Monitoring

5.1 For the entire facility, 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 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 Points AA-001, AA-002, AA-003, and AA-014, the permittee shall demonstrate compliance with the carbon monoxide (CO) limitations by stack testing in accordance with EPA Test Method 10 or an equivalent EPA approved testing method. The stack testing shall be conducted biennially not to exceed 25 months from the previous stack test. For Emission Points AA-001, AA-002, and AA-003, each performance test shall be conducted within 10% of 100% peak (or the highest achievable) load.

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

5.3 For Emission Points AA-001, AA-002, AA-003, and AA-014, the permittee shall demonstrate compliance with the volatile organic compounds (VOC) limitations by stack testing in accordance with EPA Test Method 25A or an equivalent EPA approved testing method. The stack testing shall be conducted biennially not to exceed 25 months from the previous stack test. For Emission Points AA-001, AA-002, and AA-003, each performance test shall be conducted within 10% of 100% peak (or the highest achievable) load.

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

5.4 For Emission Points AA-001, AA-002, and AA-003, the permittee shall demonstrate compliance with the formaldehyde limitations by stack testing in accordance with EPA Test Method 323 or an equivalent EPA approved testing method. The stack testing shall be conducted biennially not to exceed 61 months from the previous stack test. Each performance test shall be conducted within 10% of 100% peak (or the highest achievable) load.

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

5.5 For Emission Points AA-001, AA-002, and AA-003, the permittee shall operate and maintain each continuous parameter monitoring system (CPMS) according to the requirements below:

(a) The permittee shall prepare a site-specific monitoring plan that addresses the monitoring system design, data calculation, and the quality assurance and quality control elements outlined below and in 40 CFR 63.8(d), Subpart A. As specified in 40 CFR 63.8(f)(4), Subpart A, the permittee may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in this condition in the site-specific monitoring plan.

(i) The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;

(ii) Sampling interface (e.g., thermocouple) location such that the monitoring system will provide representative measurements;

(iii) Equipment performance evaluations, system accuracy audits, or other audit procedures;

(iv) Ongoing operation and maintenance procedures in accordance with provisions in 40 CFR 63.8(c)(1)(ii) and (c)(3), Subpart A; and

(v) Ongoing reporting and recordkeeping procedures in accordance with provisions in 40 CFR 63.10(c), (e)(1), and (e)(2)(i), Subpart A.

(b) The permittee shall install, operate, and maintain each CPMS in continuous operation according to the procedures in the site-specific monitoring plan.

(c) The CPMS shall collect data at least once every 15 minutes.

(d) For a CPMS for measuring temperature range, the temperature sensor shall have a minimum tolerance of 2.8ºC (5ºF) or 1% of the measurement range, whichever is larger.

(e) The permittee shall conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in the site-specific monitoring plan at least annually.

(f) The permittee shall conduct a performance evaluation of each CPMS in accordance with the site-specific monitoring plan.

(Ref.: 40 CFR 63.6625(b), Subpart ZZZZ)

5.6 For Emission Points AA-001, AA-002, and AA-003, the permittee shall demonstrate continuous compliance with Condition 4.1 according to the methods specified in Conditions 3.6 and 5.5. In the event the permittee changes the catalyst, the permittee shall conduct a performance test to demonstrate that the emissions limitations in Section 3 are being met for each affected engine.

Except for monitoring malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the permittee shall monitor emission and operating limitations continuously at all times that the stationary RICE is operating. A monitoring malfunction is defined as any sudden, infrequent, not reasonably preventable failure of the monitoring systems to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. The permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emissions in data averages and calculations used to report emission or operating levels. However, the permittee shall use all the valid data collected during all other periods.

(Ref.: 40 CFR 63.6640(a) and (b) and 63.6635(a), (b), and (c), Subpart ZZZZ)

5.7 For Emission Points AA-001, AA-002, and AA-003, the permittee shall demonstrate compliance annually according to the following requirements:

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

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

(c) The permittee shall 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) The permittee shall measure O_2 using one of the O_2 measurement methods specified in Table 4 of Subpart ZZZZ. Measurements to determine O_2 concentration shall be made at the same time as the measurements for CO.

(e) If demonstrating compliance with the CO percent reduction requirement, the permittee shall measure CO and O_2 emissions simultaneously at the inlet and outlet of the control device.

(f) If the results of the annual compliance demonstration show that the emissions exceed the levels specified in Section 3, the stationary RICE shall be shut down as soon as safely possible, and appropriate corrective action shall be taken (e.g., repairs, catalyst cleaning, catalyst replacement). The stationary RICE shall be retested within seven (7) days of being restarted and the emissions shall meet the levels specified in Section 3. If the retest shows that the emissions continue to exceed the specified levels, the stationary RICE shall 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 permittee demonstrates through testing that the emissions do not exceed the levels specified in Section 3.

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

5.8 For Emission Points AA-001, AA-002, and AA-003, the permittee shall keep the following records as outlined in (a) through (e) below:

(a) A copy of each notification and report that you submitted to comply with the requirements outlined in this permit, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

(b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(c) Records of performance tests and performance evaluations.

(d) Records of all required 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 and air pollution control and monitoring equipment to its normal or usual manner of operation.

For each CPMS for temperature, the permittee shall keep the records listed in (f) through (h) below:

(f) The records described in 40 CFR 63.10(b)(2)(i) through (xi), Subpart A.

(g) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3), Subpart A.

(h) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in 40 CFR 63.8(f)(6)(i), Subpart A, if applicable.

Furthermore, the permittee shall keep the records concerning the required annual compliance demonstration and all the data from the CPMS recording the catalyst inlet temperature as required in Section 3. The permittee shall also keep records of the maintenance conducted on each affected engine and control device in order to demonstrate compliance with the required maintenance plan. All records shall be kept in a form which is suitable and readily available for expeditious review. Records shall be kept readily accessible in hard copy or electronic form for at least five (5) years after the date of each occurrence, measurement, corrective action, report, or record.

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

5.9 For Emission Points AA-004, AA-005, AA-006, and AA-007, the permittee shall maintain records of the hours of operation for the Fuel Gas Line Heaters in any consecutive 12-month period on a rolling monthly basis.

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

5.10 For Emission Points AA-008 and AA-009, the permittee shall maintain records of the amount of natural gas burned for the TEG Dehydrator reboilers on a monthly basis and in any consecutive 12-month period on a rolling monthly basis.

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

5.11 For Emission Point AA-012, the permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee shall record the time and reason that the engine is being operated.

(Ref.: 40 CFR 60.4214(b), Subpart IIII)

5.12 For Emission Point AA-012, the permittee shall demonstrate compliance by keeping records of engine manufacturer data indicating the engine is certified to meet the emission standards in Section 3. The engine shall be installed and configured according to the manufacturer's emission related specifications.

If the permittee does not install, configure, operate, or maintain the engine in accordance with the manufacturer's emission-related written instructions or changes emission related settings in a way not permitted by the manufacturer, the permittee shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee shall conduct a performance test in accordance with 40 CFR 60.4212 within one year after the date in which the engine has changed operations such that they do not meet the manufacturer's instructions. Subsequent performance tests shall be conducted every 8,760 hours or three years, whichever comes first.

(Ref.: 40 CFR 60.4211(b)(3) and 60.4211(g)(3), Subpart IIII)

5.13 For Emission Point AA-013, the permittee shall maintain records of the amount of natural gas combusted a monthly basis and for each consecutive 12-month period on a rolling basis.

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

5.14 For Emission Point AA-014, the permittee shall demonstrate compliance with the nitrogen oxides (NO_X) limitations by performing a stack test in accordance with EPA Test Method 7 or an equivalent EPA approved testing method. The stack testing shall be conducted biennially not to exceed 25 months from the previous stack test.

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

5.15 For Emission Point AA-014, the permittee shall demonstrate compliance with the hazardous air pollutants (HAPs) limitations by performing a stack test in accordance with EPA Test Method 18 or an equivalent EPA approved testing method. The stack testing shall be conducted biennially not to exceed 25 months from the previous stack test.

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

5.16 For Emission Point AA-014, the permittee shall demonstrate compliance with the operating temperature limitation by continuously recording the operating temperature of the thermal oxidizer (combustion chamber/stack exit temperature) during operation. Compliance shall be determined by averaging the temperature for a consecutive 3-hour period on a rolling basis.

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

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	Report permit deviations within five (5) working days.
		6.2	Submit certified semiannual monitoring report.
		6.3	All documents submitted to MDEQ shall be certified by a Responsible Official.
AA-001 AA-002 AA-003	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11). 40 CFR 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines) 40 CFR 63.6640(b), Subpart ZZZZ	6.4	Reporting of deviations
	40 CFR 63.6645(a), Subpart ZZZZ	6.5	Notification requirements
	40 CFR 63.6650(a), (b), and (c), Subpart ZZZZ	6.6	Compliance reporting requirements
	40 CFR 63.6650(e), Subpart ZZZZ	6.7	Deviation reporting requirements
AA-001 AA-002 AA-003 AA-014	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.8	Reporting of the stack testing results
		6.9	Submission of stack testing protocol and notification of the intended test date(s)
AA-012		6.10	Semiannual Reporting
AA-013		6.11	
AA-014		6.12	

6.1 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. 2.2.B(11).)

6.2 Except as otherwise specified herein, the permittee shall submit a certified semiannual synthetic minor monitoring report postmarked no later than 31st of January and the 31st of July for the preceding six-month period. This report shall address any required monitoring specified in the permit. All instances of deviations from permit requirements shall be clearly identified in the report. 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.

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

6.3 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).)

6.4 For Emission Point AA-001, AA-002, and AA-003, the permittee shall report each instance in which each emission or operating limitation was not me in accordance with Condition 6.1. If there is a change of the catalyst used in the control device, a report detailing the change shall be submitted to the DEQ within ten (10) days of the change. This report shall include what type of catalyst is now in use and the results of the required performance test in Section 5.

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

6.5 For Emission Points AA-001, AA-002, and AA-003, the permittee shall submit all notifications required by 40 CFR 63.7(b) and (c); 63.8(e), (f)(4), and (f)(6); and 63.9(b) through (e), (g), and (h), as applicable by the dates specified.

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

6.6 For Emission Points AA-001, AA-002, and AA-003, the permittee shall submit a semiannual compliance report in accordance with Condition 6.2. The results of the compliance demonstration required in Section 5 shall be submitted in the semiannual report required after the reporting period in which the compliance demonstration took place. Furthermore, the report shall contain the following information:

(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 during the reporting period, the compliance report shall include the number duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions, including actions taken to correct a malfunction;

(e) If there are no deviations from any emission or operating limitations that apply, 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.

(Ref.: 40 CFR 63.6650(a), (b)(3) and (4), and (c), Subpart ZZZZ)

6.7 For Emission Points AA-001, AA-002, and AA-003, in the event that a deviation from the operating inlet temperature range occurs, the following additional information shall be included in the compliance report required by Condition 6.6:

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

(b) The date, time, and duration that each CPMS was inoperative, except for zero (low-level) and high-level checks;

(c) The date, time, and duration that each CPMS was out-of-control, including the information in 40 CFR 63.8(c)(8), Subpart A;

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

(e) 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 that reporting period;

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

(g) A summary of the total duration of CPMS downtime during the reporting period and the total duration of CPMS downtime as a percent of the total operating time of the stationary RICE at which the CPMS downtime occurred during that reporting period;

(h) An identification of each parameter and pollutant that was monitored at the stationary RICE;

(i) A brief description of the stationary RICE;

(j) A brief description of the CPMS;

(k) The date of the latest CPMS certification or audit; and

(l) A description of any changes in CPMS, process, or controls since the last reporting period.

(Ref.: 40 CFR 63.6650(e), Subpart ZZZZ)

6.8 For Emission Points AA-001, AA-002, AA-003, and AA-014, the permittee shall submit a written protocol for any required stack testing at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the DEQ. The permittee shall also notify the DEQ in writing at least ten (10) days prior to the intended test date(s) so that an official observer from the DEQ may be afforded to opportunity to witness the test(s).

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

6.9 For Emission Points AA-001, AA-002, AA-003, and AA-014, the permittee shall submit a report of any stack test results within sixty (60) days of conducting the respective stack test.

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

6.10 For Emission Point AA-012, the permittee shall submit semiannual reports in accordance with Condition 6.2 showing the hours of operation on a consecutive monthly rolling basis. This report shall also include what hours were for emergency use and what constituted the emergency and what hours were for non-emergency use.

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

6.11 For Emission Point AA-013, the permittee shall submit semiannual reports in accordance with Condition 6.2 showing the amount of natural gas burned on a consecutive monthly rolling basis.

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

6.12 For Emission Point AA-014, the permittee shall submit semiannual reports in accordance with Condition 6.2 showing the average operating temperature for the thermal oxidizer on a monthly basis and a consecutive 12-month period on a rolling basis. The report shall include any duration and times that the temperature exceeded the operating temperature limit in Section 3.

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