

STATE OF MISSISSIPPI AIR POLLUTION CONTROL PERMIT

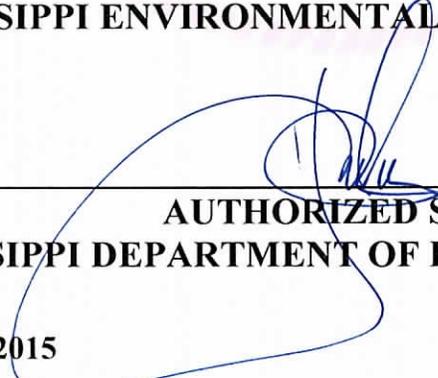
AND PREVENTION OF SIGNIFICANT
DETERIORATION AUTHORITY
TO CONSTRUCT AIR EMISSIONS EQUIPMENT
THIS CERTIFIES THAT

**World Energy Natchez LLC
151 L E Barry Road
Natchez, Mississippi
Adams County**

Biorefinery Plant Expansion Project

has been granted permission to construct air emissions equipment to comply with 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 and under authority granted by the Environmental Protection Agency under 40 CFR 52.01 and 52.21.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD



AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: July 21, 2015

Permit No.: 0040-00005

Modified: DEC 12 2016 (ownership change)

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. Any activities not identified in the application are not authorized by this permit. (Ref.: Miss. Code Ann. 49-17-29 1.b)
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).)
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).)
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 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).)
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).)
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).)
9. The permittee shall furnish to the MDEQ within a reasonable time any information the MDEQ 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 MDEQ 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 MDEQ 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).)

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.)
11. Solids Removal: The necessary facilities shall be constructed so that solids removed in the course of control of air emissions may 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)
12. Diversion and Bypass of Air Pollution Controls: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed except as provided for in 11 Miss. Admin. Code Pt. 2, R. 1.1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)
13. 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).)
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 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 emissions. (Ref.: Miss. Code Ann. 49-17-21)
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.)

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)
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.)
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).)
19. **Permit Expiration:** The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(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).)
21. **Beginning Operation:** Except as prohibited in Part I, Condition 24 of this permit, 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).)
22. **Application for a Permit to Operate:** Except as otherwise specified in Part I, Condition 24 of this permit, 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).)
23. **Operating Under a Permit to Construct:** Except as otherwise specified in Part I, Condition 24 of this permit, 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).)

24. Application Requirements for a Permit to Operate for Moderate Modifications: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to “net” out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7).)

25. 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), & (6).)

B. GENERAL NOTIFICATION REQUIREMENTS

1. Within fifteen (15) days of beginning actual construction, the permittee must notify MDEQ in writing that construction has begun. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).)
2. The permittee must notify MDEQ 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).)
3. Upon the completion of construction or installation of an approved stationary source or modification, 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).)

4. 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).)

**SECTION 2
EMISSION POINT DESCRIPTION**

The permittee is authorized to construct a metathesis and distillation process, with ancillary equipment, and modify the existing biodiesel plant in order to produce methyl esters and olefins:

Emission Point ID	Description
Plant-wide	
AA-001 (modified)	Facility-wide Requirements
AA-002 (modified)	Equipment Leak Fugitives subject to NSPS Subpart VVa
AA-003 (modified)	Wastewater Fugitives
Fuel Burning Sources	
AB-001 (modified)	59.64 MMBtu/hr Boiler, Ref. B-931, equipped with low-NOx burners and flue gas recirculation, combusting natural gas and butene recovery gas
AB-002 (modified)	76.68 MMBtu/hr Boiler, Ref. B-932, equipped with low-NOx burners and flue gas recirculation, combusting natural gas and butene recovery gas
AB-003 (new)	70.73 MMBtu/hr Hot Oil Furnace A, equipped with low-NOx burners and flue gas recirculation, combusting either natural gas, natural gas and butene recovery gas, or process liquid fuel
AB-004 (new)	70.73 MMBtu/hr Hot Oil Furnace B, equipped with low-NOx burners and flue gas recirculation, combusting either natural gas, natural gas and butene recovery gas, or process liquid fuel
AB-005 (new)	Emergency Fire Water Pump #1 with a 575 hp diesel-fired compression ignition (CI) engine
AB-006 (new)	Emergency Fire Water Pump #2 with a 575 hp diesel-fired compression ignition (CI) engine
AB-007 (new)	Flare controlling VOC emissions from emergencies and process upsets only
Storage Tanks and Process Vessels <i>(all tanks/vessels are fixed roof unless otherwise specified)</i>	
AC-101 (new)	1,847,399-gallon Butene Sphere (pressurized storage tank), Ref. T-101
AC-102 (new)	2,195,736-gallon Canola Oil Storage Tank, Ref. T-102
AC-105 (new)	1,185,176-gallon Olefins Storage Tank, equipped with an internal floating roof, Ref. T-105
AC-107 (new)	677,546-gallon Methyl Ester Storage Tank, Ref. T-107
AC-116 (new)	282,017-gallon Olefins Storage Tank, equipped with an internal floating roof, Ref. T-116

Emission Point ID	Description
AC-119 (new)	815,029-gallon Methanol Storage Tank, equipped with an internal floating roof, Ref. T-119
AC-307 (modified)	13,800-gallon Methanol Day Tank, Ref. T-307
AC-430 (modified)	15,500-gallon Metathesized Triglycerides (TAG) Storage Tank, Ref. T-430
AC-2003 (modified)	85,160-gallon Offspec TAG Storage Tank, Ref. T-2003
AC-2010 (modified)	87,425-gallon TAG Storage Tank, Ref. T-2010
AC-5000 (modified)	211,483-gallon Methyl Ester Storage Tank, Ref. T-5000
AC-5001 (modified)	211,483-gallon Crude Methyl Ester Storage Tank, Ref. T-5001
AC-5002 (modified)	211,481-gallon Methyl Ester Storage Tank, Ref. T-5002
AC-5003 (modified)	211,376-gallon Offspec TAG Storage Tank, Ref. T-5003
AC-5004 (modified)	211,357-gallon TAG Storage Tank, Ref. T-5004
AC-6310 (modified)	1,900-gallon TAG Storage Tank, Ref. T-6310
AC-15070 (modified)	634,962-gallon Methyl Ester Storage Tank, Ref. T-15070
AC-18350 (modified)	770,758-gallon Methyl Ester Storage Tank, Ref. T-18350
Biorefinery Process Units¹	
Unit 10 – Metathesis	
AD-201 (new)	Metathesis Reactor, Ref. R-201
-- (new)	Olefin Distillation Column, Ref. C-210
-- (new)	Olefin Distillation Column, Ref. C-310
AD-350 (new)	Olefin Distillation Column, Ref. C-350
-- (new)	Olefin Distillation Column, Ref. C-410
Unit 11 – Transesterification Section <i>(no new or modified equipment)</i>	
Unit 12 – Methyl Ester Fractionation	
-- (new)	Methyl Esters Distillation Column, Ref. C-002
-- (new)	Methyl Esters Distillation Column, Ref. C-003

Emission Point ID	Description
-- (new)	Heavy Methyl Esters Distillation Column, Ref. C-004

¹ Process equipment listed in this section with no assigned Emission Point ID have no emissions and no applicable state or federal emission standards. They are shown for completeness only.

SECTION 3
EMISSION LIMITATIONS AND STANDARDS

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
Plant-Wide				
AA-001	MACT Subpart FFFF, §63.2435(a)	3.1	HAP	Applicability to Miscellaneous Organic Chemical Manufacturing standards
AA-002	NSPS Subpart VVa, §60.480a	3.2	VOC	Applicability to SOCOMI equipment leak standards
	PSD Construction Permit issued July 21, 2015	3.3	VOC	BACT: Comply with NSPS Subpart VVa and MACT Subpart FFFF
AA-003	PSD Construction Permit issued July 21, 2015	3.3	VOC	BACT: Comply with MACT Subpart FFFF
Fuel Burning Sources				
AB-001	PSD Construction Permit issued July 21, 2015	3.3	NOx	BACT: 0.036 lb/MMBtu (3-hr average), not to exceed 2.17 lb/hr (3-hr average) using low-NOx burners and flue gas recirculation
			PM _{2.5} (filterable + condensable)	BACT: Good combustion practices as determined by compliance with MACT Subpart DDDDD
			VOC	
		CO _{2e} (GHG)	BACT: 30,565 ton/yr (12-month rolling total) and use of an economizer to preheat boiler feedwater	
		3.4	Fuel Restriction	Natural gas or natural gas and butene recovery gas only

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AB-002	PSD Construction Permit issued July 21, 2015	3.3	NOx	BACT: 0.036 lb/MMBtu (3-hr average), not to exceed 2.79 lb/hr (3-hr average) using low-NOx burners and flue gas recirculation
			PM _{2.5} (filterable + condensable)	BACT: Good combustion practices as demonstrated by compliance with MACT Subpart DDDDD
			VOC	
			CO _{2e} (GHG)	BACT: 39,298 ton/yr (12-month rolling total) and use of an economizer to preheat boiler feedwater
		3.4	Fuel Restriction	Natural gas or natural gas and butene recovery gas only
AB-001, AB-002	MACT Subpart DDDDD, §63.7485	3.5	HAP	Applicability
	§§63.7500(a) 63.7515(d), 63.7540(a)(10), and Table 3(3), Subpart DDDDD	3.6	Tune-up	By October 8, 2016, conduct initial annual tune-up followed by annual tune-ups thereafter as specified in §63.7540
	§63.7500(a)(1) and Table 3(4), Subpart DDDDD	3.7	Energy Assessment	Conduct one-time energy assessment by October 8, 2016
AB-003, AB-004	PSD Construction Permit issued July 21, 2015 (Limits applicable to each furnace except where otherwise specified)	3.3	NOx	BACT: Use low-NOx burners and flue gas recirculation to meet the following limits: Natural Gas: 0.028 lb/MMBtu (3-hr average) Butene Recovery Gas/Natural Gas: 0.050 lb/MMBtu (3-hr average), not to exceed 3.55 lb/hr (3-hr average) Process Liquid Fuel: 0.065 lb/MMBtu (3-hr average), not to exceed 4.58 lb/hr (3-hr average)
			PM _{2.5} (filterable + condensable)	BACT: Good combustion practices, not to exceed 1.41 lb/hr (3-hr average) when burning process liquid fuel
			VOC	BACT: Good combustion practices, as demonstrated by compliance with MACT Subpart DDDDD

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
			CO _{2e} (GHG)	BACT: 89,975 tpy (12-month rolling total) for the total emissions from both furnaces and installation of continuous oxygen trim system
		3.8	Fuel Restriction	Natural Gas, Natural Gas and Butene Recovery Gas, or Process Liquid Fuel
		3.9		Process liquid fuels shall be combusted in only one furnace at any time.
AB-003, AB-004	MACT Subpart DDDDD, §§63.7485 and 63.7500(a)	3.10	HAP	Upon startup, comply with applicable emission limitations, work practice standards, and operating limits of Subpart DDDDD
	§63.7500(a)(1) and Table 1, Subpart DDDDD Emission limits apply when liquid fuel is burned	3.11	HCl	4.4 E-04 lb/MMBtu heat input
			Hg	4.8 E-07 lb/MMBtu heat input
			CO	130 ppmvd @ 3% O ₂
			PM (filterable)	0.013 lb/MMBtu heat input
§§63.7500(a)(1), 63.7515(d), 63.7540(a)(12), and Table 3(1), Subpart DDDDD	3.12	Tune-ups	Conduct tune-up every 5 years as specified in §63.7540	
AB-003, AB-004	§60.40c(a), Subpart Dc	3.13		Applicability

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AB-005, AB-006	PSD Construction Permit issued July 21, 2015	3.3	NOx	BACT: Install and maintain a turbocharger and aftercooler on each engine and meet the emission standards requirements of NSPS Subpart III
		3.14	PM _{2.5} (filterable + condensable)	
			VOC	
			CO ₂ e (GHG)	
	3.28	Operating Restriction	Maintenance and readiness testing requirements	
	NSPS Subpart III, §60.4200(a)(2)(i) and §60.4205(c) and Table 4 and 60.4206	3.15	NMHC (VOC) + NOx, PM	Applicability
		3.16		Meet the emission standards in Table 4 to this subpart, for all pollutants
	NSPS Subpart III, §60.4207(b)	3.17	Fuel Requirement	Diesel fuel that meets the requirements of §80.510(b) for nonroad diesel fuel
	NSPS Subpart III, §60.4211(f)	3.18	Hours of Non-Emergency Operation	100 hours per calendar year
	MACT Subpart ZZZZ, §63.6590(b)(1)(i)	3.19	Applicability	Limited requirements of MACT Subpart ZZZZ
AB-007	PSD Construction Permit issued July 21, 2015	3.20	NOx	BACT: A flame shall be present at all times and the flare shall be operated any time emissions may be vented to it.
			PM _{2.5} (filterable + condensable)	
			VOC	
			GHG	
	3.21	Operating Restriction	Emissions only routed to flare in emergency or upset conditions	
Storage Tanks and Process Vessels				
AC-105, AC-116	PSD Construction Permit issued July 21, 2015	3.22	VOC	BACT: Install a fixed roof in combination with an internal floating roof meeting the design specification of §60.112b(a)(1)

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AC-119	PSD Construction Permit issued July 21, 2015	3.3	VOC	BACT: Meet the requirements of NSPS Subpart Kb by installing an internal floating roof
AC-119	NSPS Subpart Kb, §60.110b(a)	3.23	VOC	Applicability
AC-119	§60.112b(a)(1)	3.24	VOC	Install a fixed roof in combination with an internal floating roof
AC-307	PSD Construction Permit issued July 21, 2015	3.25	VOC	BACT: Install a vapor balance system
Unit 10 - Metathesis				
AD-201	NSPS Subpart RRR, §60.700	3.26	VOC	Applicability
AD-350	NSPS Subpart NNN, §60.660	3.27	VOC	Applicability

- 3.1 For the entire facility, the permittee shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing (40 CFR Part 63, Subpart FFFF) and the General Provisions (40 CFR Part 63, Subpart A). For any new or reconstructed affected unit, the permittee shall comply with Subpart FFFF upon startup. For existing affected units, the permittee shall comply with Subpart FFFF no later than October 8, 2016. (Ref.: §63.2435(a))
- 3.2 For Emission Point AA-002, the permittee is subject to and shall comply with all applicable requirements of the New Source Performance Standards for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (40 CFR Part 60, Subpart VVa) and the General Provisions (40 CFR Part 60, Subpart A). (Ref.: §60.480a)
- 3.3 The permittee shall comply with the BACT limits and emission standards established in the Section 3 table above. (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.4 For Emission Points AB-001 and AB-002, the permittee shall only combust natural gas and butene recovery gas. (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.5 For Emission Points AB-001 and AB-002, beginning October 8, 2016, the permittee shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional

Boilers and Process Heaters (40 CFR Part 63, Subpart DDDDD) and the applicable General Provisions (40 CFR Part 63, Subpart A). Emission Points AB-001 and AB-002 meet the definition of existing units, greater than 10 MMBTU/hr, designed to burn gas 1 fuels as categorized in §63.7499 and defined in §63.7575. (Ref.: §63.7485)

- 3.6 For Emission Points AB-001 and AB-002, the permittee must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than October 8, 2016. The permittee must conduct annual tune-ups with each tune-up being performed no more than 13 months after the previous tune-up. (Ref. §63.7500(a)(1), 63.7515(d), 63.7540(a)(10), and Table 3(3))
- 3.7 For Emission Points AB-001 and AB-002, the permittee must complete the one-time energy assessment specified in Table 3 of 40 CFR 63, Subpart DDDDD no later than October 8, 2016. (Ref.: §63.7500(a)(1) and Table 3(4))
- 3.8 For Emission Points AB-003 and AB-004, the permittee shall only combust natural gas, natural gas and butene recovery gas, or process liquid fuel. (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.9 For Emission Points AB-003 and AB-004, the permittee shall only combust process liquid fuel in one furnace at any time. (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.10 For Emission Points AB-003 and AB-004, beginning upon startup, the permittee shall comply with all applicable emission limitations, work practice standards, and operating limits of the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (40 CFR Part 63, Subpart DDDDD) and the applicable General Provisions (40 CFR Part 63, Subpart A). Emission Points AB-003 and AB-004 meet the definition of new units, greater than 10 MMBTU/hr, designed to burn gas 1 fuels and liquid fuel as categorized in §63.7499 and defined in §63.7575. (Ref.: §§63.7485 and 63.7500)
- 3.11 For Emission Points AB-003 and AB-004, upon startup, the permittee shall comply with the emission limits for HCl, Hg, CO, and PM (filterable) when liquid fuel is burned. (Ref.: §63.7500(a)(1) and Table 1)
- 3.12 For Emission Points AB-003 and AB-004, the permittee must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than 61 months after startup. The permittee must conduct tune-ups with each tune-up being performed no more than 61 months after the previous tune-up. (Ref. §§63.7500(a)(1), 63.7515(d), 63.7540(a)(12), and Table 3(1))
- 3.13 For Emission Points AB-003 and AB-004, the permittee is subject to and shall comply with the applicable requirements of the New Source Performance Standards (NSPS) for Small Industrial-Commercial- Institutional Steam Generating Units (40 CFR Part 60,

Subpart Dc) and the applicable General Provisions (40 CFR Part 60, Subpart A). (Ref.: §60.40c(a))

- 3.14 For Emission Points AB-005 and AB-006, the permittee shall equip each firewater pump with a turbocharger and aftercooler to improve combustion efficiency. (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.15 For Emission Points AB-005 and AB-006, the permittee is subject to and shall comply with all applicable requirements of the New Source Performance Standards for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE) (40 CFR Part 60, Subpart III) and the applicable General Provision (40 CFR Part 60, Subpart A). (Ref.: §60.4200(a)(2)(ii))
- 3.16 For Emission Points AB-005 and AB-006, the permittee must comply with the emission standards in Table 4 of Subpart III, for all pollutants. The permittee must operate and maintain the stationary CI ICE to achieve the emission standards as required in §60.4205 over the entire life of the engine. (Ref. §§60.4205(c) and 60.4206)
- 3.17 For Emission Points AB-005 and AB-006, the permittee shall only use diesel fuel that meets the requirements of §80.510(b) for nonroad diesel fuel. (Ref.: §60.4207(b))
- 3.18 For Emission Points AB-005 and AB-006, the permittee shall not operate the emergency engines in non-emergency situations for more than 100 hours per year each, determined for each calendar year. There is no time limit on the use of emergency stationary ICE in emergency situations. The engines 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 engines shall be operated in non-emergency situations in accordance with the current National Fire Protection Association (NFPA) requirements. (Ref.: §60.4211(f))
- 3.19 For Emission Points AB-005 and AB-006, the permittee is subject to the limited requirements of 40 CFR Part 63, Subpart ZZZZ. Specifically, the permittee does not have to meet the requirements of Subpart ZZZZ or Subpart A except for the initial notification requirements of §63.6645(f) (Ref.: §63.6590(b)(1)(i))
- 3.20 For Emission Point AB-007, the flare shall be operated with a flame present at all times and shall be operated at any time emissions may be vented to it. (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.21 For Emission Point AB-007, emissions shall only be routed to the flare in emergency or upset conditions. (Ref.: PSD Construction Permit issued July 21, 2015)

- 3.22 For Emission Points AC-105 and AC-116, the permittee shall equip each storage tank with a fixed roof in combination with an internal floating roof meeting the specifications in §60.112b(a)(1). (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.23 For Emission Point AC-119, the permittee is subject to and shall comply with all applicable requirements of the New Source Performance Standards for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, (40 CFR Part 60, Subpart Kb) and the applicable General Provision (40 CFR Part 60, Subpart A). (Ref.: §60.110b(a))
- 3.24 For Emission Point AC-119, the permittee shall equip the storage tank with a fixed roof in combination with an internal floating roof meeting the specifications in §60.112b(a)(1). (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.25 For Emission Point AC-307, the permittee shall equip the storage tank with a vapor balance system for methanol recovery. (Ref.: PSD Construction Permit issued July 21, 2015)
- 3.26 For Emission Point AD-201, the permittee is subject to and shall comply with all applicable requirements of the New Source Performance Standards for Volatile Organic Compound Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes (40 CFR Part 60, Subpart RRR) and the applicable General Provision (40 CFR Part 60, Subpart A). (Ref.: §60.700)
- 3.27 For Emission Point AD-350, the permittee is subject to and shall comply with all applicable requirements of the New Source Performance Standards for Volatile Organic Compound Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations (40 CFR Part 60, Subpart NNN) and the applicable General Provision (40 CFR Part 60, Subpart A). (Ref.: §60.660)
- 3.28 For Emission Points AB-005 and AB-006, the permittee shall be subject to the following requirements regarding maintenance and readiness testing:
- a) Testing on both engines shall be performed on the same day but not simultaneously.
 - b) Weekly testing shall be conducted between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday. (Ref.: PSD Construction Permit issued July 21, 2015)

**SECTION 4
MONITORING AND RECORDKEEPING REQUIREMENTS**

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring and Recordkeeping Requirement
Plant-Wide				
AA-001	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).	4.1	Records Retention	Maintain all records for five (5) years from the date generated
	MACT Subpart FFFF, §63.2450(a)	4.2	HAP (VOC)	Comply with applicable monitoring, recordkeeping and reporting requirements
AA-002	NSPS Subpart VVa, §§60.482-1a(a)(1) and 60.486a(a)(1)	4.3	LDAR (VOC)	Comply with applicable monitoring and recordkeeping requirements
Fuel Burning Sources				
AB-001, AB-002	PSD Construction Permit issued July 21, 2015	4.4	NOx	Conduct initial stack test within 180 days of certification of construction
		4.5	CO _{2e}	Calculate the monthly and 12-month rolling total CO _{2e} for each boiler
	MACT Subpart DDDDD, §§63.7555 and 63.7560	4.6	HAP	Comply with applicable monitoring and recordkeeping requirements
AB-003, AB-004	PSD Construction Permit issued July 21, 2015	4.7	NOx	Conduct initial stack test within 180 days of certification of construction
		4.8	PM _{2.5} and CO ₂	Conduct initial stack test within 180 days of certification of construction
		4.9	CO _{2e}	Calculate the monthly and 12-month rolling total of combined CO _{2e} from the furnaces
	PSD Construction Permit issued July 21, 2015 and §60.48c(g)(1)	4.10	Fuel use	Record the type and date and start/stop time for each fuel burned in each furnace and the total amount of each fuel combusted during each operating day
	MACT Subpart DDDDD	4.11	HAP	Comply with the applicable monitoring and recordkeeping requirements
AB-005, AB-006	PSD Construction Permit issued July 21, 2015 and	4.12	Hours of operation	Install a non-resettable hour meter prior to startup of the engine and

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring and Recordkeeping Requirement
	NSPS Subpart III, §§60.4209(a) and 60.4214(b)			maintain log of hours of operation and reason engine was operated
	NSPS Subpart III, §60.4211(a) and PSD Construction Permit issued July 21, 2015	4.13	O&M	Operate and maintain engines according the manufacturer's instructions and NFPA recommendations
	NSPS Subpart III, §60.4211(c)	4.14	Purchase certified engine	Purchase an engine certified to the emission standards in §60.4205(c), as applicable
AB-007	PSD Construction Permit issued July 21, 2015	4.15	Presence of Flame	Monitor presence of a flame with a thermocouple or other equivalent device
		4.16	Duration and reason for flaring	Record date, time and duration of each flaring event and reason for flaring
Storage Tanks				
AC-105, AC-116	PSD Construction Permit issued July 21, 2015	4.17	Visual inspection requirements	Tank inspection and notification requirements
		4.18	Records	Maintain records of each required tank inspection
AC-119	NSPS Subpart Kb, §60.113b(a)	4.17	Visual inspection requirements	Tank inspection and notification requirements
	NSPS Subpart Kb, §60.115b(a)(2)	4.18	Records	Maintain records of each required tank inspection
AC-119	NSPS Subpart Kb, §60.116b(b))	4.19	Records	Keep records of tank dimensions and capacity
AC-307	PSD Construction Permit issued July 21, 2015	4.20	Visual inspection requirements	Annual maintenance inspections

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Monitoring and Recordkeeping Requirement
Unit 10 - Metathesis				
AD-201	NSPS Subpart RRR; §§60.703 and 60.705	4.21	VOC	Comply with applicable monitoring, recordkeeping and reporting requirements
AD-350	NSPS Subpart NNN; §§60.663 and 60.665	4.22	VOC	Comply with applicable monitoring, recordkeeping and reporting requirements

- 4.1 The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records and reports may be maintained in electronic form as long as they are available at the facility for review by MDEQ personnel. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)

- 4.2 The permittee shall be in compliance with the emission limits and work practice standards in tables 1 through 7 to Subpart FFFF at all times, except during periods of startup, shutdown, and malfunction (SSM), and must meet the requirements specified in §§63.2455 through 63.2490 (or the alternative means of compliance in §§63.2495, 63.2500, or 63.2505), except as specified in paragraphs (b) through (s) of §63.2450. The permittee must meet the notification, reporting, and recordkeeping requirements specified in §§63.2515, 63.2520, and 63.2525. (Ref.: §63.2450(a))

- 4.3 For Emission Point AA-002, the permittee shall comply with the applicable requirements of §§60.482-1a through 60.482-10a or §60.480a(e) for all equipment within 180 days of initial startup. The permittee shall comply with the applicable recordkeeping requirements of §60.486a. (Ref.: §§60.482-1a(a) and 60.486a(a)(1))

- 4.4 For Emission Points AB-001 and AB-002, within 180 days of certification of construction for modifications to each boiler, the permittee shall conduct an initial stack test for each emission unit to demonstrate compliance with the NO_x limits established in Section 3. The permittee shall conduct the stack test using EPA Reference Method 7E, or other EPA-approved method, and shall operate each source as close to its maximum rated capacity as operating conditions allow. To demonstrate compliance with the lb/MMBtu NO_x emission limits, the heat input shall be determined during each stack test run. (Ref.: PSD Construction Permit issued July 21, 2015)

- 4.5 For Emission Points AB-001 and AB-002, the permittee shall maintain records of the amount of natural gas and butene recovery gas combusted in each boiler for each

- calendar month. These records shall be used in conjunction with EPA's emission factors for stationary fuel combustion sources and global warming potentials published in 40 CFR Part 98 to determine the emissions of CO₂e for each calendar month and the total CO₂e emissions for each consecutive 12-month period. (Ref.: PSD Construction Permit issued July 21, 2015)
- 4.6 For Emission Points AB-001 and AB-002, the permittee shall comply with the monitoring and recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD, no later than October 8, 2016, as specified in the Title V Operating Permit issued October 8, 2013. (Ref.: §§63.7555 and 63.7560)
- 4.7 For Emission Points AB-003 and AB-004, within 180 days of certification of construction, the permittee shall conduct an initial stack for each emission unit to demonstrate compliance with the NO_x limits established in Section 3. The permittee shall conduct the stack test using EPA Reference Method 7E, or other EPA-approved method, and shall operate each source as close to its maximum rated capacity as operating conditions allow. To demonstrate compliance with the lb/MMBtu NO_x emission limits, the heat input shall be determined during each stack test run. One stack test shall be conducted while burning butene recovery gas/natural gas and the other stack test shall be conducted while burning process liquid fuel. (Ref.: PSD Construction Permit issued July 21, 2015)
- 4.8 For Emission Points AB-003 and AB-004, within 180 days of certification of construction, the permittee shall conduct an initial stack for each emission unit to demonstrate compliance with the PM_{2.5} limit established in Section 3 and establish a CO₂ emission factor for process liquid fuel. The permittee shall conduct the stack test using EPA Reference Methods 201A and 202 for PM_{2.5} and Method 3A for CO₂, or other EPA-approved method, and shall operate each source as close to its maximum rated capacity as operating conditions allow. Each stack test shall be conducted while burning process liquid fuel. (Ref.: PSD Construction Permit issued July 21, 2015)
- 4.9 For Emission Points AB-003 and AB-004, the permittee shall use the monthly combined fuel usage from both furnaces in conjunction with EPA's emission factors for stationary fuel combustion sources, the CO₂ emission factor for the process liquid fuel (determined in Condition 4.8), and global warming potentials published in 40 CFR Part 98 to determine the total combined emissions of CO₂e for each calendar month and the total CO₂e emissions for each consecutive 12-month period. (Ref.: PSD Construction Permit issued July 21, 2015)
- 4.10 For Emission Points AB-003 and AB-004, the permittee shall record the date and start/stop time for each fuel burned and shall record and maintain records of the type and amount of each fuel combusted during each operating day. (Ref.: PSD Construction Permit issued July 21, 2015 and §60.48c(g)(1))

- 4.11 For Emission Points AB-003 and AB-004, the permittee shall comply with the applicable monitoring and recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD. (Ref.: 40 CFR Part 63, Subpart DDDDD)
- 4.12 For Emission Points AB-005 and AB-006, the permittee shall install a non-resettable hour meter prior to startup of the engine. 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 owner must record the date and time of operation of the engine and the reason the engine was in operation during that time. (Ref.: §§60.4209(a) and 60.4214(b) and PSD Construction Permit issued July 21, 2015)
- 4.13 For Emission Points AB-005 and AB-006, the permittee shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; change only those emission-related settings that are permitted by the manufacturer; and meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply. The permittee shall perform maintenance testing in accordance with the NFPA standards, which require the pump engines to be tested weekly for 30 minutes. Should the NFPA standards for testing frequency or duration change, the permittee shall notify the DEQ of such in writing within 30 days of the change. (Ref.: §60.4211(a) and PSD Construction Permit issued July 21, 2015)
- 4.14 For Emission Points AB-005 and AB-006, the permittee shall purchase an engine certified to the emission standards in §60.4205(c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. (Ref.: §60.4211(c))
- 4.15 For Emission Point AB-007, the presence of a flare pilot flame shall be continuously monitored using a thermocouple or any other equivalent device to detect the presence of a flame. The monitoring device shall be maintained in accordance with the manufacturer's recommendations, which shall be kept on site with a written or electronic log noting all maintenance checks and repairs performed on the device. (Ref.: PSD Construction Permit issued July 21, 2015)
- 4.16 For Emission Point AB-007, the permittee shall record the date, start time, and duration of each flaring event and shall note the reason for flaring. The permittee shall also note whether any visible emissions (i.e, smoking) resulted from the flaring event. (Ref.: PSD Construction Permit issued July 21, 2015)
- 4.17 For Emission Points AC-105, AC-116, and AC-119, the permittee shall:
 - a) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

- b) For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the MDEQ in the inspection report required in §60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

- c) For vessels equipped with a double-seal system as specified in §60.112b(a)(1)(ii)(B):
 - (i) Visually inspect the vessel as specified in paragraph (d) below at least every 5 years; or

 - (ii) Visually inspect the vessel as specified in paragraph (b) above.

- d) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs (b) and (c)(ii) above and at intervals no greater than 5 years in the case of vessels specified in paragraph (c)(i) above.

(Ref.: PSD Construction Permit issued July 21, 2015 and §60.113b(a))

- 4.18 For Emission Points AC-105, AC-116, and AC-119, the permittee shall keep a record of each inspection performed as required by Condition 4.17 of this permit. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the

control equipment (seals, internal floating roof, and fittings). (Ref.: PSD Construction Permit issued July 21, 2015 and §60.115b(a)(2))

- 4.19 For Emission Point AC-119, the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. (Ref.: §60.116b(b))
- 4.20 For Emission Point AC-307, the permittee shall conduct an inspection of the vapor balance system at least annually and shall maintain records of the date of the inspection and any maintenance required on the system. (Ref.: PSD Construction Permit issued July 21, 2015)
- 4.21 For Emission Point AD-201, the permittee shall comply with the applicable monitoring and reporting requirements in §60.703 and 60.705 of NSPS Subpart RRR. (Ref.: §60.703 and 60.705)
- 4.22 The permittee shall comply with the applicable monitoring and reporting requirements in §60.663 and 60.665 of NSPS Subpart NNN. (Ref.: §60.663 and 60.665)

**SECTION 5
REPORTING REQUIREMENTS**

Emission Point(s)	Applicable Requirement	Condition Number(s)	Reporting Requirement
AA-001	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(2)	5.1	Report any permit deviations within 5 days
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).	5.2	Submit semiannual reports
	PSD Construction Permit issued July 21, 2015	5.3	Notification and reporting requirements for stack tests
AA-002	NSPS Subpart VVa, §60.487a(a)	5.4	Semiannual LDAR reporting frequency
	NSPS Subpart VVa, §60.487a(b)	5.5	Initial semiannual LDAR report requirements
	NSPS Subpart VVa, §60.487a(c)	5.6	Requirements for all semiannual LDAR reports
	NSPS Subpart VVa, §60.487a(d)	5.7	Notification of alternative LDAR standards
	NSPS Subpart VVa, §60.487a(e)	5.8	Reporting LDAR performance tests
AB-001, AB-002, AB-003, AB-004	MACT Subpart DDDDD, §§63.7530(d) and (e), and 63.7545(e)	5.9	Notifications - Compliance Status
	MACT Subpart DDDDD, §63.7545(a)	5.10	Notifications - General
AB-007	PSD Construction Permit issued July 21, 2015	5.11	Submit a report of the information required to be recorded in Condition 4.17
AC-105, AC-116, AC-119	PSD Construction Permit issued July 21, 2015 and NSPS Subpart Kb, §60.113b(a)(5)	5.12	Notification requirements for filling and refilling tanks
	PSD Construction Permit issued July 21, 2015 and NSPS Subpart Kb, §§60.115b(a)(1), (3), and (4)	5.13	Initial report certifying internal roof meets required specs and report 30 days after any required inspection finds defects in the internal floating roofs

Emission Point(s)	Applicable Requirement	Condition Number(s)	Reporting Requirement
AD-201	NSPS Subpart RRR, §60.705(a)	5.14	Notify MDEQ of specific emission standards when initial notification of initial startup is due (i.e., 15 days after startup)
	NSPS Subpart RRR, §60.705(l)	5.15	Submit semiannual reports of the information required in §60.705(l)
AD-350	NSPS Subpart NNN, §60.665(a)	5.16	Notify MDEQ of specific emission standards when initial notification of initial startup is due (i.e., 15 days after startup)
	NSPS Subpart NNN, §60.665(l)	5.17	Submit semiannual reports of the information required in §60.665(l)

- 5.1 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. Such report shall be made within five (5) days of the time the deviation began. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(2).)
- 5.2 The permittee shall submit reports of any required monitoring by July 31 and January 31 for the preceding six-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with 11 Miss. Admin. Code Pt. 2, R. 6.2.E. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)
- 5.3 For any stack testing required by this permit, a written test protocol must be submitted at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the MDEQ. If the permittee is proposing an alternative test method not previously approved by EPA, a cover letter indicating such must be attached and submitted with the test protocol.
- The MDEQ shall be notified ten (10) days prior to the scheduled date(s) so that an observer may be afforded the opportunity to witness the test(s). The permittee shall submit the results of the required stack testing within sixty (60) days of the actual test for demonstrating compliance with the emission point specific limits. (Ref.: PSD Construction Permit issued July 21, 2015)
- 5.4 For Emission Point AA-002, the permittee shall submit semiannual reports to the MDEQ beginning 6 months after the initial startup date. (Ref.: §60.487a(a))
- 5.5 For Emission Point AA-002, the initial semiannual report to MDEQ shall include the information in §60.487a(b)(1)-(5). (Ref.: §60.487a(b))

- 5.6 For Emission Point AA-002, all semiannual reports to the MDEQ shall include the information required in §60.487a(c)(1)-(4), summarized from the information in §60.486a. (Ref.: §60.487a(c))
- 5.7 For Emission Point AA-002, if the permittee elects to comply with the provisions of §60.483-1a or 60.483-2a, the permittee shall notify the MDEQ of the alternative standard selected 90 days before implementing either of the provisions. (Ref.: §60.487a(d))
- 5.8 For Emission Point AA-002, the permittee shall report the results of all performance tests in accordance with §60.8 of the General Provisions. The provisions of §60.8(d) do not apply to affected facilities subject to the provisions of Subpart VVa except that an owner or operator must notify the MDEQ of the schedule for the initial performance tests at least 30 days before the initial performance tests. (Ref.: §60.487a(e))
- 5.9 For Emission Points AB-001, AB-002, AB-003, and AB-004, the permittee shall submit a signed statement in the Notification of Compliance Status report that indicates the tune-up of the unit and the energy assessment required in Section 3 of this permit have been completed. The statement shall include an evaluation stating the energy assessment was completed in accordance with Table 3 of Subpart DDDDD and is an accurate depiction of the facility at the time of the assessment.

The Notification of Compliance Status shall be submitted no later than 60 days after the completion of all the initial compliance demonstration activities for each boiler at the facility and shall include the required statements from above and all the information specified in §§63.7545(e)(1) through (8). (Ref. §63.7530(d) and (e), and 63.7545(e))

- 5.10 For Emission Points AB-001, AB-002, AB-003, and AB-004, the permittee shall submit all applicable notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply by the dates specified. (Ref. §63.7545(a))
- 5.11 For Emission Point AB-007, the permittee shall submit a report of the information required to be recorded in Condition 4.16 as an attachment to the semiannual report required by Condition 5.2. (Ref.: PSD Construction Permit issued July 21, 2015)
- 5.12 For Emission Points AC-105, AC-116, and AC-119, the permittee shall notify the MDEQ in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required to afford the MDEQ the opportunity to have an observer present. If the inspection required is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the MDEQ at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the MDEQ at least 7 days prior to the refilling. (Ref.: PSD Construction Permit issued July 21, 2015 and §60.113b(a)(5))

- 5.13 For Emission Points AC-105, AC-116, and AC-119, the permittee shall furnish the MDEQ with a report that describes the control equipment and certifies that the control equipment meets the specifications of §§60.112b(a)(1) and 60.113b(a)(1). This report shall be an attachment to the notification required by §60.7(a)(3).

If any of the conditions described in §60.113b(a)(2) are detected during the annual visual inspection required by §60.113b(a)(2), a report shall be furnished to the MDEQ within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

After each inspection required by §60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in §60.113b(a)(3)(ii), a report shall be furnished to the MDEQ within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of §61.112b(a)(1) or 60.113b(a)(3) and list each repair made. (Ref.: PSD Construction Permit issued July 21, 2015 and §§60.115b(a)(1), (3), and (4))

- 5.14 The permittee shall notify the MDEQ of the specific provisions of §60.702 (§60.702 (a), (b), or (c)) with which the owner or operator has elected to comply. Notification shall be submitted with the notification of initial start-up required by §60.7(a)(3). If the permittee elects at a later date to use an alternative provision of §60.702 with which he or she will comply, then the MDEQ shall be notified by the permittee 90 days before implementing a change and, upon implementing the change, a performance test shall be performed as specified by §60.704 no later than 180 days from initial start-up. (Ref.: §60.705(a))
- 5.15 If the permittee is complying with the requirements of §60.700 (c)(2), (c)(3), or (c)(4) or §60.702, the permittee shall submit to the MDEQ semiannual reports of the recorded information, as required by §60.705(l). The initial report shall be submitted within 6 months after the initial start-up date. (Ref.: §60.705(l))
- 5.16 The permittee shall notify the MDEQ of the specific provisions of §60.662 (§60.662 (a), (b), or (c)) with which the permittee has elected to comply. Notification shall be submitted with the notification of initial start-up required by §60.7(a)(3). If the permittee elects at a later date to use an alternative provision of §60.662 with which he or she will comply, then the MDEQ shall be notified by the permittee 90 days before implementing a change and, upon implementing the change, a performance test shall be performed as specified by §60.664 within 180 days. (Ref.: §60.665(a))
- 5.17 If the permittee is complying with the requirements of §60.660 (c)(4), (c)(5), or (c)(6) or §60.662, the permittee shall submit to the MDEQ semiannual reports of the recorded information, as required by §60.665(l). The initial report shall be submitted within 6 months after the initial start-up date. (Ref.: §60.665(l))