

STATE OF MISSISSIPPI AIR POLLUTION CONTROL PERMIT

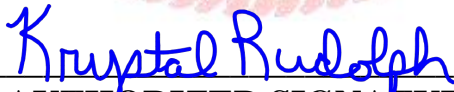
TO CONSTRUCT AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Express Grain Terminals LLC
2015 West River Road
Greenwood, Mississippi
Leflore County

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

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD



AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: September 17, 2020

Permit No.: 1560-00050

Modified: September 29, 2021

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 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).)

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. 1.10., "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants."

(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 Section 1, 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 Section 1, 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 Section 1, 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. General Duty: All air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

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

26. Deviation Reporting: 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(10).)

27. 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).)

B. GENERAL NOTIFICATION REQUIREMENTS

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

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

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

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

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

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

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 and operate, upon certification of construction, air emissions equipment, as described in the following table.

Table 1. Proposed Equipment and Existing Equipment Affected by Permit		
Emission Point	Facility Reference	Description
AA-004		26.78 MMBtu/hr Dual-Fuel Fired Boiler Natural gas-fired with Diesel fuel used for testing and natural gas curtailment Construction Date: 2021
AB-007	P4	Soybean Receiving Pit #4
AB-008	P5	Soybean Receiving Pit #5
AB-009	P6	Soybean Receiving Pit #6
AC-011	BH2	Huller Room Hammermills with Baghouse
AC-013	BH1	Meal Side Hammermills with Baghouse
AC-014	BH2	Seed Cleaner Cyclone with Baghouse
AD-010		Day Bin Oilseed Storage Tank
AD-011		Soybean/White Seed Storage Tank
AD-014	Silo1	Soybean Storage Silo/Day Bin No. 1
AD-015	Silo2	Soybean Storage Silo/Day Bin No. 2
AD-016	Silo3	Meal Storage Silo
AD-017	Silo4	Hull Storage Silo
AE-006		Meats Tank Overflow Spout for Day Bin Oilseed Storage Tank
AE-007		Meats Drop Overflow Spout for Soybean/White Seed Storage Tank
AJ-004		The Solvent Extraction Plant Final Vent
AJ-006	Solvent Plant	Desolventizer Toaster-Dryer Cooler with 3 Dryer Cyclones and 1 Cooler Cyclone
AL-017	HLO	Hull Truck Loadout
AL-018	MLO	Meal Truck Loadout
AL-019	HLO	Hull Rail Loadout
AL-020	MLO	Meal Rail Loadout
AM-003	SF-003a SF-003b SF-003c	Seed House Cooling Fans
AM-007	SF-007a SF-007b SF-007c SF-007d	Seed House Cooling Fans

Table 1. Proposed Equipment and Existing Equipment Affected by Permit		
Emission Point	Facility Reference	Description
AM-008	SF-008a SF-008b SF-008c SF-008d	Seed House Cooling Fans
AP-003	BH3	Aspirator (Hull) Cyclone #1 with Baghouse
AP-004	BH4	Pellet Cooler Cyclone with Baghouse
AP-005	C1	Aspirator (Rotex) Cyclone #2

The permittee is no longer authorized to operate the air emissions equipment, as described in the following table with the issuance of this permit.

Table 2. Existing Equipment to be Removed.	
Emission Point	Description
AB-005	Soybean/Black Seed Receiving Pit
AB-006	Oilseed/Meal Railcar Receiving Pit
AD-012	Oilseed Meats Tank
AF-001 through AF-005	Seed Cleaner Cyclones
AG-001 through AG-014	A-Side Delinting Cyclones
AI-001 through AI-003	Lint Transfer Cyclones
AJ-001 through AJ-003	Solvent Extraction Plant Dryer/Cooler Cyclones
AK-001	Outr-A-Vac Filtration System
AK-002	Outr-A-Vac Filtration System
AK-003	Outr-A-Vac Filtration System
AL-010	Loadout of Cottonseed to Trucks
AL-011	Soybean Hulls/Black Seed Loadout
AL-015	Cottonseed Loadout to Railcars, which includes emissions associated with the process that are not collected by the Cottonseed Loadout to Railcar Cyclone (AL-016)
AL-016	Cottonseed Loadout to Railcar Cyclone
AM-001 AM-002 AM-005	Seed House Cooling Fans

**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	Smoke	Opacity shall not exceed 40%
	11 Miss. Admin. Code Pt. 2, R. 1.3.B.	3.2		
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). (PSD Avoidance Limit)	3.3	Oilseed Throughput	Shall only process soybeans. Shall not exceed 2,000 tons per day and 720,000 tons per year.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). (PSD Avoidance Limit)	3.4	Equipment	Shall Not Use Equipment to be Removed.
	11 Miss. Admin. Code Pt. 2, R.1.3.F(1).	3.5	PM (Filterable only)	$E = 4.1 p^{0.67}$
AA-004	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.6	PM (Filterable Only)	Emissions shall not exceed $E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.7	SO ₂	Emissions shall not exceed 4.8 lb/MMBtu
	40 CFR 60, Subpart Dc (Standards of Performance of Small Industrial- Commercial-Industrial Steam Generating Units) 40 CFR 60.40c(a), Subpart Dc	3.8	SO ₂	Applicability
	40 CFR 60.42c(d), (h)(1), and (i), Subpart Dc	3.9	Fuel Standards	Oil shall not contain more than 0.5% sulfur by weight.
	40 CFR 63, Subpart DDDDD (National Emissions Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters) 40 CFR 63.7485, 63.7490(a)(2) and (b), 63.7495(i), 63.7499(l) and (u), and 63.7575, Subpart DDDDD	3.10	HAP	Applicability
	40 CFR 63.7500(a)(3), Subpart DDDDD	3.11		Good Air Pollution Control Practices
	40 CFR 63.7510(k), Subpart DDDDD	3.12		Compliance Date of Fuel Switch

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limitation/Standard
AB-007 AB-008 AB-009 AC-014 AD-014 AD-015 AD-016 AD-017 AL-017 AL-018	40 CFR 60, Subpart DD (Standards of Performance for Grain Elevators) 40 CFR 60.300, Subpart DD	3.13	PM	General Applicability
AB-007 AB-008 AB-009	40 CFR 60.300(c)(1), Subpart DD	3.14		Opacity shall not exceed 5%
AD-014 AD-015 AD-016 AD-017	40 CFR 60.300(c)(2), Subpart DD	3.15		Opacity shall not exceed 0%
AL-017 AL-018	40 CFR 60.300(c)(3), Subpart DD	3.16		Opacity shall not exceed 10%
AJ-004 AJ-006	40 CFR 63, Subpart GGGG (National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production) 40 CFR 63.2830, 63.2832(a), 63.2833, and 63.2870, Subpart GGGG	3.17	HAP	General Applicability
	40 CFR 63.2872, Subpart GGGG	3.18		Compliance Ratio
	40 CFR 63.2840(a) through (d), Table 1, Subpart GGGG, Subpart GGGG	3.19		Compliance Ratio
AJ-006	40 CFR 63.2840(g), Subpart GGGG	3.20	HAP	Safety and Good Air Pollution Control Practices

3.1 For the entire facility, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (a) and (b).

(a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen minutes per startup in any one hour and not to exceed three startups per stack in any twenty-four-hour period.

(b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four-hour period does not exceed ten minutes per billion BTU gross heating value of fuel in any one hour.

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

3.2 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 the entire facility, the permittee shall limit oilseed processing to only soybeans. The permittee shall limit soybean processing to 2,000 tons per calendar day (tpd). The facility shall not process more than 720,000 tons per year (tpy) of soybeans as determined for each rolling consecutive 12-month period.

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

3.4 For the entire facility, the permittee is no longer authorized to operate the air emissions equipment described in Table 2 of Section 2.

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

- 3.5 For the entire facility, the permittee shall not cause or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship

$$E = 4.1 p^{0.67}$$

where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour. Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs.

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

- 3.6 For Emission Point AA-004, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations equal to or greater than 10 MMBTU/hr heat input shall not exceed an emission rate as determined by the relationship

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

where E is the emission rate in pounds per MMBTU/hr heat input and I is the heat input in MMBTU/hr.

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

- 3.7 For Emission Point AA-004, the maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).)

- 3.8 For Emission Point AA-004, the permittee is subject to and shall comply with the National Standards of Performance for New Stationary Sources Subpart Dc- Standards of Performance of Small Industrial-Commercial-Industrial Steam Generating Units for which Construction, Reconstruction, or Modification is commenced after June 9, 1989

and has a maximum design heat capacity of 29 megawatts (MW) (100 million BTU per hour (BTU/hr) or less, but greater than or equal to 2.9 MW (10 million BTU).

(Ref.: 40 CFR 60.40c(a), Subpart Dc)

- 3.9 For Emission Point AA-004, upon startup and all times thereafter, the permittee shall not combust oil that contains greater than 0.5 weight percent sulfur, as determined by a 40 CFR 60.44c(g) or 60.44c(h) of 40 CFR 60, Subpart Dc.

(Ref.: 40 CFR 60.42c(d), (h)(1), and (i), Subpart Dc)

- 3.10 For Emission Point AA-004, the permittee is subject to and shall comply with all applicable requirements of the National Emissions Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters and the applicable General Provisions upon startup.

(Ref.: 40 CFR 63.7485, 63.7490(a)(2) and (b), 63.7495(i), 63.7499(l) and (u), and 63.7575, Subpart DDDDD)

- 3.11 For Emission Point AA-004, 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. Determination of whether such operation and maintenance procedures are being used will be based on information available to the DEQ that 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 63.7500(a)(3), Subpart DDDDD)

- 3.12 For Emission Point AA-004, the permittee may elect to switch subcategories consistent with Condition 6.8 after the initial compliance date, the permittee shall demonstrate compliance within 60 days of the effective date of the switch, unless the permittee had previously conducted the compliance demonstration for this subcategory within the previous 12 months.

(Ref.: 40 CFR 63.7510(k), Subpart DDDDD)

- 3.13 For Emission Points AB-007, AB-008, AB-009, AC-014, AD-014, AD-015, AD-016, AD-017, AL-017, and AL-018, the permittee is subject to and shall comply with all applicable standards of the Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD) and General Provisions (40 CFR 60, Subpart A)

(Ref.: 40 CFR 60.300, Subpart DD)
- 3.14 For Emission Points AB-007, AB-008, and AB-009, the permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exceed five (5) percent opacity.

(Ref.: 40 CFR 60.300(c)(1), Subpart DD)
- 3.15 For Emission Points AC-014, AD-014, AD-015, AD-016, and AD-017, the permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exceed zero (0) percent opacity.

(Ref.: 40 CFR 60.300(c)(2), Subpart DD)
- 3.16 For Emission Points AL-017 and AL-018, the permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exceed ten (10) percent opacity.

(Ref.: 40 CFR 60.300(c)(3), Subpart DD)
- 3.17 For Emission Points AJ-004 and AJ-006, the permittee is subject to and shall comply with all applicable standards of the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production (40 CFR 63, Subpart GGGG) and General Provisions (40 CFR 63, Subpart A).

(Ref.: 40 CFR 63.2830, 63.2832(a), 63.2833, and 63.2870, Subpart GGGG)
- 3.18 For Emission Point AJ-006, the compliance ratio shall not exceed one (1). The compliance ratio shall be calculated in accordance with Condition 3.19.

(Ref.: 40 CFR 63.2872, Subpart GGGG)
- 3.19 For Emission Point AJ-006, the permittee shall comply with the following requirements:

The emission requirements limit the number of gallons of HAP lost per ton of listed oilseeds processed. For each operating month, as defined in 40 CFR 63.2872, Subpart GGGG, the permittee shall calculate a compliance ratio which compares the actual HAP loss to the allowable HAP loss for the previous 12 operating months as shown in Equation 1 below:

$$\text{Compliance Ratio} = \frac{\text{Actual Hap Loss}}{\text{Allowable Hap Loss}} \quad (\text{Eq. 1})$$

Equation 1 can also be expressed as a function of total solvent loss as shown in Equation 2:

$$\text{Compliance Ratio} = \frac{f * \text{Actual Solvent Loss}}{0.64 * \sum_{i=1}^n ((\text{Oilseed})_i * (\text{SLF})_i)} \quad (\text{Eq. 2})$$

Where:

f = The weighted average volume fraction of HAP in solvent received during the previous 12 operating months, as determined in 40 CFR 63.2854, Subpart GGGG, dimensionless.

0.64 = The average volume fraction of HAP in solvent in the baseline performance data, dimensionless.

Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months, as determined in 40 CFR 63.2853, Subpart GGGG.

Oilseed = Tons of each oilseed type “i” processed during the previous 12 operating months, as shown in 40 CFR 63.2855, Subpart GGGG.

SLF = The corresponding solvent loss factor (gal/ton) for oilseed “i” listed in Table 1 of 40 CFR 63.2840, Subpart GGGG for existing sources. For Cottonseed, the factor will depend on amount processed in 12-operating month period (Large (0.5) or Small (0.7)).

The actual HAP loss shall be determined monthly based on the amount of hexane lost and the amount of seed processed. An operating month, as defined in 40 CFR 63.2872,

Subpart GGGG, is any calendar month in which a source processes a listed oilseed, excluding any entire calendar month in which the source operated under an initial startup period subject to 40 CFR 63.2850(c)(2) or (d)(2) or a malfunction period subject to 40 CFR 63.2850(e)(2).

(Ref.: 40 CFR 63.2840(a) through (d), Table 1, Subpart GGGG, Subpart GGGG)

- 3.20 For Emission Point AJ-006, the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the DEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(Ref.: 40 CFR 63.2840(g), Subpart GGGG)

SECTION 4.
WORK PRACTICES

Emission Point	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Work Practice
AA-004	11 Miss. Admin. Code Pt. 2, R.2.2.B(10).	4.1	Work Practices	One-Time Energy Assessment
	40 CFR 63.7500(a)(1), 63.7510(g), 63.7515(d), 63.7540(a)(10), Table 3(3) of Subpart DDDDD, Subpart DDDDD	4.2	HAPs	Annual Tune-Up Requirement

4.1 For Emission Point AA-004, the permittee shall conduct a one-time energy assessment upon initial startup. The energy assessment shall be performed by a qualified energy assessor. The energy assessment shall include the following:

- (a) A visual inspection of the boiler or process heater system.
- (b) An evaluation of operating characteristics of the boiler, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- (c) An inventory of major energy use systems consuming energy.
- (d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- (e) A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.
- (f) A list of cost-effective energy conservation measures that are within the facility's control.
- (g) A list of the energy savings potential of the energy conservation measures identified.
- (h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

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

4.2 For Emission Point AA-004, the permittee shall conduct an annual tune-up of the boiler to demonstrate continuous compliance as specified below. The first tune-up shall be performed within 13 months of the initial startup and each subsequent tune-up shall occur no more than 13 months after the previous tune-up. The tune-up must be conducted while burning the type of fuel that provides the majority of heat input to the boiler over the 12 months prior to the tune-up.

- (a) Inspect the burner, and clean or replace any components of the burner as necessary (the permittee may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown);
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next schedule unit shutdown);
- (d) Optimized total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available;
- (e) Measure the concentrations in the effluent stream of CO in parts per million, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (f) Maintain on-site and submit, if requested by the DEQ, a report containing the following information,
 - (1) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent measured at high fire or typical operation load, before and after the tune-up of the boiler or process heater;
 - (2) A description of any corrective actions taken as a part of the tune-up; and
 - (3) The type and amount of fuel used over the 12 months prior to the tune up.
Units sharing a fuel meter may estimate the fuel used by each unit.

(Ref.: 40 CFR 63.7500(a)(1), 40 CFR 63.7515(d), 40 CFR 63.7540(10), and Table 3(3) of Subpart DDDDD, Subpart DDDDD)

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.
	11 Miss. Admin. Code Pt. 2, R.2.2.B(11).	5.2	Throughput	Maintains Records of Soybeans Processed
AA-004	40 CFR 60.44c(g) and (h), Subpart Dc	5.3	Fuel Analysis	Performance Test Requirement
	40 CFR 60.48c(f)(1), Subpart Dc	5.4	Recordkeeping	Fuel Supplier Records
	40 CFR 60.48c(g)(2), Subpart Dc	5.5	Recordkeeping	Record Fuel Combusted
	40 CFR 63.7555(a)(1) and (2), Subpart DDDDD	5.6	Recordkeeping	Maintain Records of Notifications and Compliance Demonstrations
	40 CFR 63.7555(h), Subpart DDDDD	5.7	Recordkeeping	Record Hours of Diesel Fuel Combustion
	40 CFR 63.7560, Subpart DDDDD	5.8	Recordkeeping	Form and Duration of Maintaining Records
AB-007 AB-008 AB-009 AL-017 AL-018	40 CFR 63.303(b)(3), Subpart DD	5.9	PM	Perform Monthly EPA Test Method 9
AC-014 AD-014 AD-015 AD-016 AD-017	40 CFR 63.303(b)(3), Subpart DD	5.10	PM	Perform an Initial EPA Test Method 9
	11 Miss. Admin. Code Pt. 2, R.2.2.B(11).	5.11	PM	Perform EPA Test Method 22 Daily and EPA Test Method 9 If Visual Emissions Are Observed.
AJ-004 AJ-006	40 CFR 63.2850, 63.2851, 63.2852, 63.2853, 63.2854, 63.2855, 63.2862, and 63.2863, Subpart GGGG	5.12	HAP	Monitoring and Recordkeeping Applicability

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 or upon request.

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

5.2 For the entire facility, the permittee shall maintain daily records of soybeans processed in tpd. The permittee shall maintain records of soybeans processed in tpy for each rolling consecutive 12-month period. The permittee shall use the methods described in 40 CFR 63.2855, Subpart GGGG to determine the amount of soybeans (oilseed) processed.

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

5.3 For Emission Point AA-004, the initial performance test shall consist of sampling and analyzing the oil in the initial tank of oil to be fired in the steam generating unit to demonstrate that the oil contains 0.5 weight percent sulfur or less. Thereafter, the permittee shall sample the oil in the fuel tank after each new shipment of oil is received, as described under 40 CFR 60.46c(d)(2), Subpart Dc.

Alternatively, the permittee may elect for the performance test to consist of the certification from the fuel supplier, as described in Condition 5.4, as applicable.

(Ref.: 40 CFR 60.44c(g) and (h), Subpart Dc)

5.4 For Emission Point AA-004, the permittee shall keep the following fuel supplier certification records:

- (a) The name of the oil supplier;
- (b) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c, Subpart Dc; and

(c) The sulfur content or maximum sulfur content of the oil.

(Ref.: 40 CFR 60.48c(f)(1), Subpart Dc)

5.5 For Emission Point AA-004, the permittee shall record and maintain records of the amount of each fuel combusted during each calendar month.

(Ref.: 40 CFR 60.48c(g)(2), Subpart Dc)

5.6 For Emission Point AA-004, the permittee shall keep the following records:

(a) A copy of each notification and report submitted to comply with 40 CFR 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv), Subpart A.

(b) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii), Subpart A.

(Ref.: 40 CFR 63.7555(a)(1) and (2), Subpart DDDDD)

5.7 For Emission Point AA-004, the permittee shall keep records of the total hours per calendar year that alternative (diesel) fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies.

(Ref.: 40 CFR 63.7555(h), Subpart DDDDD)

5.8 For Emission Point AA-004, the permittee shall keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1), Subpart A. Each record shall be kept for five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall keep each record on site, or the records must be accessible from on site (for example, through a computer network), for at least two (2) years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1), Subpart A. The permittee may keep the records off site for the remaining three (3) years.

(Ref.: 40 CFR 63.7560, Subpart DDDDD)

5.9 For Emission Points AB-007, AB-008, AB-009, AL-017, and AL-018, the permittee shall demonstrate compliance with Conditions 3.15 and 3.16 by performing EPA Test Method 9 visual observation according to the and procedures in 40 CFR 60.11 on a monthly basis. The monthly observations shall be made during loading and unloading events for the respective emission points. Results shall be recorded in log form.

(Ref.: 40 CFR 63.303(b)(3), Subpart DD)

5.10 For Emission Points AC-014, AD-014, AD-015, AD-016, and AD-017, upon startup, the permittee shall demonstrate compliance with Condition 3.15 by performing an initial EPA Test Method 9 visual observation according to the procedures in 40 CFR 60.11. Results shall be recorded in log form.

(Ref.: 40 CFR 63.303(b)(3), Subpart DD)

5.11 For Emission Points AC-014, AD-014, AD-015, AD-016, and AD-017, the permittee shall demonstrate continuous compliance with Conditions 3.15 and 3.16 by performing EPA Test Method 22 visual observation on a weekly basis. The weekly observations shall be made during loading and unloading events for the respective emission points. Results shall be recorded in log form. If visible emissions are observed, the permittee shall immediately conduct EPA Test Method 9 visual observation according to the procedures in 40 CFR 60.11, Subpart A. The source producing visual emissions shall be shut down in accordance with the manufacturer's protocols and corrective actions shall be taken. The emission source shall begin operations once corrective actions have been taken. Records of observations, any maintenance work conducted, and any corrective actions shall be kept in log form and made available for review upon request.

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

5.12 For Emission Points AJ-004 and AJ-006, the permittee is subject to and shall comply with all applicable monitoring and recordkeeping requirements of the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production (40 CFR 63, Subpart GGGG) and General Provisions (40 CFR 63, Subpart A).

(Ref.: 40 CFR 63.2850, 63.2851, 63.2852, 63.2853, 63.2854, 63.2855, 63.2862, and 63.2863, Subpart GGGG)

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.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.2	Submit certified semiannual monitoring report.
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.3	All documents submitted to DEQ shall be certified by a Responsible Official.
AA-004	40 CFR 60.48c(d) and (j), Subpart Dc	6.4	Semiannual Report
	40 CFR 60.48c(e)(1) and (11), Subpart Dc	6.5	Fuel Certification Report
	40 CFR 63.7475(a), (c), (e)(1), (e)(6), (e)(7), (e)(8)(i) and (ii), Subpart DDDDD and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).	6.6	Submit Notifications
	40 CFR 63.7545(f), Subpart DDDDD	6.7	Natural gas Curtailment Notification
	40 CFR 63.7545(h), Subpart DDDDD	6.8	Fuel Switch or Physical Change Notification
	40 CFR 63.7550(a), (c)(1), (c)(5)(i) through (iii), (c)(5)(xiv) and (xvii), Table 9 to Subpart DDDDD, Subpart DDDDD	6.9	Annual Tune-up Report
AJ-004 AJ-006	40 CFR 63.2860 and 63.2861, Subpart GGGG	6.10	Notification and Reporting Applicability

6.1. For the entire facility, 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. For the entire facility, except as otherwise specified herein, the permittee shall submit a certified semiannual synthetic minor monitoring report. The semiannual reporting periods will be from January 1st through June 30th and from July 1st through December 31st. Compliance reports shall be postmarked no later than 31st of January or the 31st of July for the preceding semiannual reporting period. This report shall address any required monitoring specified in the permit. All instances of deviations from permit requirements

must 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. For the entire facility, any document required by this permit to be submitted to 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-004, the permittee shall submit all applicable reports every six-month period. All reports shall be submitted to the DEQ and shall be postmarked by the 30th day following the end of the reporting period.

(Ref.: 40 CFR 60.48c(d) and (j), Subpart Dc)

- 6.5. For Emission Point AA-004, the permittee shall submit a report in accordance with Condition 6.4 containing the records of Condition 5.4 and 5.5. The report shall include the calendar dates covered in the reporting period and a certified statement signed by the permittee that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(Ref.: 40 CFR 60.48c(e)(1) and (11), Subpart Dc)

- 6.6. For Emission Point AA-004, the permittee shall submit the following notifications:

- (a) All applicable notifications in 40 CFR 63.7(b) and (c), Subpart A, 40 CFR 63.8(e), (f)(4) and (6), Subpart A, and 63.9(b) through (h), Subpart A by the dates specified.
- (b) The permittee shall submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.
- (c) The permittee shall submit a Notification of Compliance Status within 60 days of startup. The Notification of Compliance shall contain the following:
 - (1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, description of the fuel(s) burned, and justification for the selection of fuel(s) burned during the compliance demonstration.
 - (2) A signed certification that all applicable work practice standards have been met.
 - (3) If there is a deviation from the work practice standards, the permittee shall submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.
 - (4) In addition to the information required in 40 CFR 63.9(h)(2), Subpart A, the notification of compliance status shall include the following certification(s) of compliance, as applicable, and signed by a responsible official:
 - i. “This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR 63, Subpart DDDDD at this site according to the procedures in 40 CFR 63.7540(a)(10)(i) through (vi), Subpart DDDDD.”
 - ii. “This facility has had an energy assessment performed according to 40 CFR 63.7530(e), Subpart DDDDD.”

(Ref.: 40 CFR 63.7475(a), (c), (e)(1), (e)(6), (e)(7), (e)(8)(i) and (ii), Subpart DDDDD and 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

6.7. For Emission Point AA-004, the permittee shall submit a notification to the DEQ containing the following information in the event of a period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575, Subpart DDDDD:

- (a) Company name and address.
- (b) Identification of the affected unit.
- (c) Reason natural gas is unavailable, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.
- (d) Type of alternative fuel to be used.
- (e) Dates when the alternative fuel use is expected to begin and end.

The permittee shall submit the notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption.

(Ref.: 40 CFR 63.7545(f), Subpart DDDDD)

6.8. For Emission Point AA-004, if the permittee switches fuels or makes a physical change to the boiler and the fuel switch or physical change results in the applicability of a different subcategory, the permittee shall provide notice of the date upon which the permittee switched fuels or made the physical change within 30 days of the switch/change. The notification shall identify:

- (a) The name of the permittee, the location of the source, the boiler that has switched fuels, were physically changed, and the date of the notice.
- (b) The currently applicable subcategory under 40 CFR 63, Subpart DDDDD.
- (c) The date upon which the fuel switch or physical change occurred.

(Ref.: 40 CFR 63.7545(h), Subpart DDDDD)

6.9. For Emission Point AA-004, the permittee shall submit a certified annual compliance report concerning the annual tune-up postmarked no later than 31st of January for the preceding calendar year. The compliance report shall contain the following:

- (a) Company and Facility Name and address.
- (b) Process unit information.
- (c) Date of report and beginning and ending dates of the reporting period.
- (d) Include the date of the most recent annual tune-up. Include the date of the most recent burner inspection if it was not done annually and was delayed until the next scheduled or unscheduled unit shutdown.
- (e) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

If there are no deviations, submit a statement that there were no deviations from the work practice standards during the reporting period. If there was a deviation from a work practice standard for periods of startup and shutdown, during the reporting period, the report must contain the information in 40 CFR 63.7550(d), Subpart DDDDD.

(Ref.: 40 CFR 63.7550(a), (c)(1), (c)(5)(i) through (iii), (c)(5)(xiv) and (xvii), Table 9 to Subpart DDDDD, Subpart DDDDD)

- 6.10. For Emission Points AJ-004 and AJ-006, the permittee is subject to and shall comply with all applicable notifications and reporting requirements of the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production (40 CFR 63, Subpart GGGG) and General Provisions (40 CFR 63, Subpart A).

(Ref.: 40 CFR 63.2860 and 63.2861, Subpart GGGG)