Preliminary Determination
Bunge North America, Inc.
712-0026

Introduction

On February 22, 2019, Bunge North America, Inc. submitted an air permit application for a project taking place at their facility located at 1400 Market St NE, Decatur, Alabama 35601. Bunge has proposed to increase the plant's crush rate to 175,000 bushels per day from 132,000 bushels and the maximum throughput to 61,425,000 bushels per year from the current limit of 56,575,000 bushels. Due to the increase in throughput, an increase in the utilization of equipment would occur. Bunge has proposed to install a new ten (10) tray 240 inch diameter desolventizer toaster (DT) system (EX-2) to replace the existing one; a new six (6) deck dryer-cooler (DC) system (EX-2) with six (6) cyclones to replace the existing system; a new soybean dryer (CD-6); a 60' diameter grain storage silo; an upgraded distillation system (EX-1); four (4) new cracking mills (PR-4) to replace the existing ones; four (4) new flaking mills (PR7); a new vertical bean conditioner (PR-6) to replace the existing one; and a new 120 MMBtu/hr boiler (BO-5) to replace an existing one. On April 16, 2019, and May 20, 2019, the Department received additional information regarding the addition of a 305 bhp emergency diesel-fired fire pump engine as part of the project.

Process Description

The facility consists of an integrated soybean processing and edible oil refining facility and an edible oils blending and packaging plant. These operations include soybean receiving, storage, and cleaning; a drying operation; soybean preparation; meal and hull processing, storage, and loadout; solvent extraction; edible oil refining; and edible oil packaging.

PSD

The facility currently operates under a PSD avoidance limit of 56,575,000 bushels during any consecutive 12-month period. This project would increase that limit to 61,425,000 bushels per 12-month period. The proposed modification would qualify as a major source modification since the emissions of VOC and PM would result in a net increase more than the significant emissions rates listed in ADEM Admin. Code R. 335-3-14-.04(1)(w). The proposed major modification would be subject to ADEM Admin. Code r. 335-3-14-.04 which was adopted pursuant to the federal requirements for prevention of significant deterioration (PSD).

PSD regulations were designed to limit pollutant concentration increases in areas that are cleaner than the National Ambient Air Quality Standards (NAAQS). The regulations establish increments that set ceilings on the amount of increased ambient pollutant concentrations that will be allowed in a PSD area. Sources subject to PSD regulations must comply with specific pre-construction review requirements.

A major source or major modification under a PSD review must be constructed with Best Available Control Technology (BACT). Additionally, the effects on soils, vegetation, visibility, and ambient air quality must be addressed for each applicable pollutant. If the net air emissions increase of any applicable pollutant is less than its significance emission rate, PSD does not apply for that pollutant.

The following table shows the PSD significant emissions increase threshold values and net emission increases as specified in the application submitted:

Pollutant	PSD Significant Emission Rate (TPY)	Proposed Net Emission Rate Increase (TPY)	Significant Source
Particulate Matter (PM)	25	31	YES
Particulate Matter < 10µ (PM_{10})	15	13.2	NO
Particulate Matter < 2.5µ ($PM_{2.5}$)	10	5.2	NO
Sulfur Dioxide (SO_2)	40	0	NO
Nitrogen Oxides (NO_X)	40	28.1	NO
Carbon Monoxide (CO)	100	0	NO
Volatile Organic Compounds (VOC)	40	349	YES
Lead (Pb)	0.6	0	NO
Greenhouse Gases (CO_2e)	75,000	49,713	NO

BACT

The Clean Air Act prescribes several technology-based limitations affecting new or modified air pollution sources. Among these limitations is BACT. New or modified major sources must be constructed with

BACT, which is determined on a case-by-case basis, and addresses the energy, environmental, economic, and other costs associated with each alternative technology, and the benefit of reduced emissions that technology would bring.

VOC

VOC emissions would result from hexane solvent loss in the extraction process. Hexane is used to extract vegetable oil from flaked soybeans. Hexane loss occurs due to the evaporation of solvent from the extractor, the meal dryer and cooler, and as fugitive emissions throughout the extraction process. A new 120 MMBtu/hr boiler and 305 bhp fire pump engine associated with the project would also result in VOC emissions as a product of combustion.

Extraction Process

Potential control technologies for VOC emissions from the extraction process include regenerative thermal oxidation (RTO), incineration, condensation, absorption, and carbon adsorption. Thermal oxidation and incineration have not been proven for use in controlling VOC emissions from soybean oil extraction plants. The exhaust from the extractor and meal dryer and cooler contain material that could damage an RTO, reducing its control efficiency. In addition, National Fire Protection Agency (NFPA) standards for solvent extraction plants require that any flame operations be located at least 100 feet from the process area to prevent explosions and fire hazards and require the use of barriers between the extraction process and the source of vapor ignition to prevent flashbacks into the process area. Therefore, thermal oxidation and incineration would not be technically feasible. Condensation would not be technically feasible since it is recommended for emission streams with VOC concentrations greater than 5,000 ppmv, which is above the expected concentrations from this process. Carbon adsorption would not be technically feasible because aerosol oils and trace amounts of sulfur compounds found in soybeans could cause fouling of the carbon bed. In addition, the adsorption of hexane onto carbon is exothermic, which would be a potential ignition source and thus a safety hazard. A mineral oil absorption system would be technically and economically feasible for the extractor. Such a system is commonly used at soybean oil extraction plants and has a control efficiency of approximately 95 percent. Bunge proposes to use a mineral oil absorber on the extractor main vent and a 12-month rolling solvent loss limit of 0.19 gallons of hexane per ton of soybeans processed for BACT. Bunge believes this limit is consistent with existing BACT for similar processes and is achievable for their extractor design. Based on a maximum throughput of 61,425,000 bushels

of soybeans per year (1,842,750 TPY), the limit would translate to an annual solvent loss of 986 TPY. Solvent loss from the desolventizer toaster/dryer/cooler (DTDC) stacks would be controlled by optimization of the design and operation of the DTDC.

A review of the RACT/BACT/LAER Clearinghouse (RBLC) concluded that the proposed control design would provide VOC control that is as stringent as most of the other BACT determinations for similar sources. Therefore, the proposed control design listed above is considered BACT for VOC emissions from the proposed extraction process.

Combustion Sources

The application identified Good Combustion Practices (GCP) as a potential control design option for the boiler. GCP would be technically and economically feasible. GCP involves operating the system based on the design and recommendations provided by the manufacturer and by maintaining proper air-to-fuel ratios with periodic maintenance checks. GCP is consistent with the control of VOC emissions from similar operations at other facilities. Bunge proposes to use GCP as BACT for the boiler.

The application identified GCP and meeting the requirements of 40 CFR 60 Subpart IIII as BACT for the fire pump engine. Bunge proposes to use GCP and purchase a Tier 3-certified engine that meets the requirements of 40 CFR 60 Subpart IIII as BACT.

A review of the RBLC concluded that the proposed control design would provide VOC control that is at least as stringent as most of the other BACT determinations for similar sources. Therefore, the proposed control design is considered BACT for VOC emissions from the proposed boiler and fire pump.

PM

Particulate matter (PM) emissions would result from soybean handling and processing from the proposed new and replacement units. These units fall into three categories: dry exhaust sources, high moisture exhaust sources, and combustion sources. Dry exhaust sources include the new bean storage bin, cracking mills, flaking mills, and grain dryer. High moisture exhaust sources include the

bean conditioner and desolventizer toaster/dryer/cooler (DTDC) system. The combustion sources include the new 120 MMBtu/hr boiler and the 305 bhp fire pump engine.

Potential control technologies for reducing particulate matter (PM) emissions include gravity collectors, electrostatic precipitators (ESP), mist eliminators, baghouses, cyclones, centrifugal collectors, cartridge filters, packed/tray-gas absorption columns, spray towers, venturi scrubbers, metal fabric filter screens, and wet cyclonic separators. The use of a high voltage ESP to control for potentially volatile grain dust would not be technically feasible due to the inherent safety risks. Mist eliminators would not be technically feasible because they are not designed to remove the kind of solid particulate found in soybean processing plants. The remaining control technologies would be technically feasible and have varied removal efficiencies (see Table 6.1 in the PM BACT Analysis section of the application). Baghouses were identified as the most effective control technology for dry exhaust sources. For high moisture exhaust sources, the moisture would reduce the efficiency of a baghouse by clogging or damaging the bags; the exhaust stream temperature would need to be raised to drive off the moisture, which would pose a combustion risk for emissions containing solvent. For these reasons, cyclones were identified as the most effective control technology for high moisture exhaust sources. The grain dryer will be equipped with 900-micron self-cleaning stainless steel mesh filters and a set of rotary filters, though these are inherent to the design of grain dryers. For the boiler, GCP (discussed above) using only natural gas as fuel would be a feasible control strategy. For the fire pump, GCP and using a Tier 3-certified engine that meets the requirements of 40 CFR 60 Subpart IIII would be feasible control strategies.

Bunge proposes to use the following control technologies and emissions limits for BACT:

Proposed BACT Limits

EP ID	Description	Proposed Control	Proposed Limit (gr/scf)
CD-6	Grain Dryer	Metal Screens	0.017
CD-1	Bean Storage Bin	Baghouse	0.002
PR-4	Cracking Mills	Baghouse	0.002
PR-6	Bean Conditioner	Cyclone	0.025
PR-7	Flaking Mills	Baghouse	0.002
D1	Meal Dryer	Cyclone	0.025
D2	Meal Dryer	Cyclone	0.025
D3	Meal Dryer	Cyclone	0.025
D4	Meal Dryer	Cyclone	0.025
C1	Meal Cooler	Cyclone	0.025

C2	Meal Cooler	Cyclone	0.025
BO5	Boiler	GCP; NG	0.005
-	Fire Pump Engine	GCP; NSPS IIII	-

A review of the RBLC indicated that the proposed control design would provide PM control that is at least as stringent as other BACT determinations for similar sources. Therefore, the proposed control design listed above is considered BACT for PM emissions from the affected sources.

Air Quality Analysis

An applicant for a PSD permit is required to conduct an air quality analysis of the ambient impacts associated with the construction and operation of the proposed new sources or modification. The main purpose of the air quality analysis is to demonstrate that new emissions from a proposed major stationary source or major modification will not cause or contribute to a violation of any applicable National Ambient Air Quality Standards (NAAQS) or PSD increment. Ambient impacts of non-criteria pollutants must also be evaluated. Generally the analysis will include (1) an assessment of existing air quality, which may include ambient monitoring data and air quality dispersion modeling results, and (2) predictions, using dispersion modeling, of ambient concentrations that will result from the applicant's proposed project and future growth associated with the project.

National Ambient Air Quality Standards (NAAQS)

The NAAQS are maximum concentration "ceilings" measured in terms of the total concentration of a pollutant in the atmosphere. There are no established NAAQS for VOC or total PM. While no air dispersion modeling was required for this project, a Modeled Emission Rates for Precursors (MERPs) analysis for ozone was performed since the project is significant for VOC. A complete review of the air quality analysis can be found in Attachment 1. As can be seen from the review, the proposed project is not expected to cause or contribute to a violation of a NAAQS or PSD increment.

PSD Increment

PSD increment is the maximum allowable increase in concentration that is allowed to occur above a baseline concentration for a pollutant. The baseline concentration is defined for each pollutant (and relevant averaging time) and, in general, is the ambient concentration existing at the time that the first complete PSD permit application affecting the area is submitted. Significant deterioration is said to occur when the amount of new pollution would exceed the applicable PSD increment. The air

quality cannot deteriorate beyond the concentration allowed by the applicable NAAQS, even if not all of the PSD increment is consumed. There are no PSD increments or NAAQS established for VOC or total PM emissions.

Additional Impact Analysis

All PSD permit applicants must prepare an additional impact analysis, for each pollutant subject to regulation, which would be emitted by the proposed project. This analysis assesses the impacts of air, ground, and water pollution on soils, vegetation, and visibility caused by an increase in emissions and from associated growth. The additional impact analysis generally has three parts:

(a) Growth
(b) Soils and Vegetation
(c) Visibility Impairment

Growth

Since the facility is an existing source, Bunge's proposed changes would not be expected to contribute to significant growth in the area. Commercial growth is not anticipated to occur at an increased rate in the future as a result of the project.

Soils and Vegetation

The project is not expected to result in a significant impact on soil, vegetation, or wildlife in the area surrounding the facility.

Visibility Impairment

There is a Class I Area, Sipsey Wilderness, located within 100 km of Bunge's facility. Impacts to this area would be expected to be negligible.

Analysis of Non-Criteria Pollutants/Air Toxics Review

Non-criteria pollutants or air toxics emission rates are not expected to increase as a result of the proposed project. Therefore, no review would be necessary for the proposed project.

NSPS

40 CFR 60 Subpart Db, *"Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units",* applies to steam generating units constructed after June 19, 1984, and with heat input capacities greater than 29 MW (100 MMBtu/hr). The proposed 120 MMBtu/hr boiler (BO-5) would be subject to the applicable requirements of this subpart.

40 CFR 60 Subpart DD, *"Standards of Performance for Grain Elevators"*, applies to truck unloading/loading stations, barge and ship unloading/loading stations, railcar unloading/loading stations, grain dryers, and grain handling operations at grain elevators that were constructed, reconstructed, or modified after August 3, 1978. The proposed grain dryer (CD-6) and modified bean cleaning process (CD-1) would be subject to the applicable requirements of this subpart.

40 CFR 60 Subpart IIII, *"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"*, applies to NFPA-certified fire pump engines manufactured after July 1, 2006. The proposed diesel fire pump engine would be subject to the applicable requirements of this subpart.

NESHAP/MACT

40 CFR 63 Subpart GGGG, *"National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production"*, applies to vegetable oil production processes at major sources of HAP emissions. The current requirements for the existing extraction process, including the DT, DC, and distillation systems, would not change as a result of this project.

40 CFR 63 Subpart ZZZZ, *"National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"*, applies to stationary reciprocating internal combustion engines (RICE) at major and area sources of HAP emissions. The proposed diesel fire pump engine would be subject to the applicable requirements of this subpart. Compliance with 40 CFR 60 Subpart IIII satisfies compliance with the requirements of this MACT.

40 CFR 63 Subpart DDDDD, *"National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters"*, applies to boilers located at major

sources of HAP emissions. The proposed 120 MMBtu/hr boiler would be subject to the applicable requirements of this subpart.

Recommendation

Based on the above analysis, I recommend that, pending the completion of the appropriate public comment period, the following permits be issued with the attached provisos (see Attachment 2):

Permit Number	Description
712-0026-X034	Soybean Receiving, Storage, and Cleaning (RS-1a, 1b, 2, 3, 3b, 5a-g, CD-1)
712-0026-X035	Two (2) Grain Dryers: • 45.2 MMBtu/hr Law-Marot Dryer (CD-2) • 29.2 MMBtu/hr Law-Marot Dryer (CD-6)
712-0026-X036	Soybean Preparation: • Dehulling with Baghouse No. 1 (PR-1) • Dehulling with Baghouse No. 2 (PR-2) • Six (6) Soybean Cracking Rolls, Air System No. 4 with Baghouse (PR-4) • Hull Grinders with Baghouse (PR-5) • Bean Conditioner with Cyclone (PR-6) • Sixteen (16) Flaking Rolls with Cyclone and Baghouse (PR-7)
712-0026-X037	Meal and Hull Processing, Storage, and Loadout (MH-1, 2c, 2e-f, 2g, 3-7)
712-0026-X038	120 MMBtu/hr Natural Gas Fired Boiler (BO-5)
712-0026-X039	Solvent Extraction Process: • Soybean Oil Solvent Extraction System (EX-1) • Desolventizer Toaster (DT) and Dryer-Cooler (DC) with Six (6) Cyclones (EX-2)
712-0026-X040	305 HP Diesel Fired Emergency Fire Pump Engine

ATTACHMENT NO. 1

Air Quality Analysis

LANCE R. LEFLEUR
DIRECTOR

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GOVERNOR

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April 26, 2019

MEMORANDUM

TO: Skyler Sanderson
Industrial Minerals Section
Energy Branch
Air Division

FROM: Michael Leach MDL
Meteorological Section
Planning Branch
Air Division

SUBJECT: Air Quality Analysis for Bunge North America, Inc. – Decatur Facility
Prevention of Significant Deterioration Permit Application

ADEM has completed its review of an air quality analysis performed by Bunge North America, Inc. for their facility in Decatur, Alabama. The purpose of the analysis was to assess the impacts on air quality from emissions of VOC from a proposed plant expansion project. Since the project is only significant for VOC and total PM, AERMOD air dispersion modeling was not required for this project. However, a Modeled Emission Rates for Precursors (MERPs) analysis for Ozone was required since the project is significant for VOC.

MERPs ANALYSIS:

Precursor emission impacts for Ozone were considered and a Modeled Emission Rates for Precursors (MERPs) analysis was performed. The Ozone precursors are the pollutants VOC and NO_x. If the calculations from the MERPs analyses are less than 100%, it indicates that the air quality threshold will not be exceeded and no further modeling is required. For Ozone, the following total emissions were considered: for VOC, 349 TPY; and for NO_x, 28.1 TPY. Bunge used the Most Conservative (Lowest) Illustrative MERP Values (tons per year) by Precursor for 8-hour O3 for the Eastern US listed in Table 7.1 of the February 23, 2017 MERPs Data Distribution and Errata Memo to perform the MERPs analysis. These values are 170 TPY for NO_x and 1159 TPY for VOC. Using these values in the MERPs equation provides the following calculation:

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
3664 Dauphin Street, Suite B
Mobile, AL 36608
(251) 304-1176
(251) 304-1189 (FAX)

(28.1 TPY NO_x/170 TPY NO_x 8-hr daily max O3 MERP) + (349 TPY VOC/1159 TPY VOC 8-hr daily max O3 MERP) X 100% = 46.64%.

This shows that the MERPs value for Ozone is below 100%, and no further analysis is required.

In addition, preconstruction monitoring requirements were addressed, and it was determined that preconstruction monitoring was not required. Ozone data provided by ADEM for the Decatur, Alabama Ozone monitor is included in the application.

CONCLUSION:

In conclusion, emissions of VOC from the proposed plant expansion project at the Bunge North America, Inc. – Decatur Facility in Decatur, Alabama, are not expected to cause or contribute to any violation of a NAAQS or PSD Increment.

ATTACHMENT NO. 2

Proposed Permit Provisos

Alabama Department of Environmental Management

AIR PERMIT

PERMITTEE: BUNGE NORTH AMERICA, INC.

FACILITY NAME: BUNGE NORTH AMERICA, INC.

LOCATION: DECATUR, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE
712-0026-X034	Soybean Receiving, Storage, and Cleaning (RS-1a, 1b, 2, 3, 3b, 5a-g, CD-1)

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol and 2007 Cum. Supp.), and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

ISSUANCE DATE: DRAFT

BUNGE NORTH AMERICA, INC.
DECATUR, ALABAMA
(PERMIT NO. 712-0026-X034)
PROVISOS

General Permit Provisos

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. Each point of emission, which requires testing, will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
8. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
9. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

10. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
14. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
15. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
16. The permittee shall submit an annual compliance certification to the Department no later than 60 days following the anniversary of the permittee's Title V permit. The compliance certification shall include the following:

    (a) The compliance certification shall include the following:

        a. The identification of each term or condition of this permit that is the basis of the certification;
        b. The compliance status;
        c. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);
        d. Whether compliance has been continuous or intermittent; and
        e. Such other facts as the Department may require in order to determine the compliance status of the source.

    (b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

Soybean Receiving, Storage, and Cleaning (RS-1a, 1b, 2, 3, 3b, 5a-g, CD-1) Provisos

	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, *"Major Source Operating Permits".*	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Visible Emissions"*.	Rule 335-3-4-.01(1)
3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), "*Process Industries – General".*	Rule 335-3-4-.04(1)
4. The Barge Unloading Operations with Baghouse (RS-3b) and Bean Cleaning Process (CD-1) are subject to the applicable requirements of 40 CFR 60 Subpart DD, *"Standards of Performance for Grain Elevators".*	§60.300(a)-(b)
5. Barge Unloading Operations with Baghouse (RS-3b) has an enforceable limit in place in order to avoid being subject to the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"*.	Rule 335-3-14-.04 [Anti-PSD]
6. Source CD-1 has an enforceable limit in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"*.	Rule 335-3-14-.04 [BACT]
7. Barge Unloading Operations with Baghouse (RS-3b) is subject to the applicable requirements of 40 CFR 64, *"Compliance Assurance Monitoring"*.	§64.2
Emission Standards	
1. Particulate emissions from these sources shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1).	Rule 335-3-4-.04(1)
2. Particulate emissions from baghouse CD-1 shall not exceed 0.002 grains per standard cubic foot (gr/scf).	Rule 335-3-14-.04 [BACT]
3. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)

	Regulations
4. On and after the date on which initial performance testing is completed, CD-1 and RS-3b shall not discharge into the atmosphere any process emissions which: a) Contain particulate matter in excess of 0.023 g/dscm (0.01 gr/dscf). b) Exhibit greater than 0 percent opacity.	§60.302(b)
5. On and after the 60th day of achieving the maximum production rate at which the Barge Unloading Operations and Bean Cleaning Process will be operated, but no later than 180 days after the initial startup, fugitive emissions shall not be discharged into the atmosphere from: a) Any grain handling operation which exhibits greater than 0 percent opacity. b) Any barge or ship loading station which exhibits greater than 20 percent opacity.	§60.302(c)
6. Particulate emissions from the baghouse associated with the Barge Unloading Operations with Baghouse (RS-3b) shall not exceed 0.002 grains per dry standard cubic foot (gr/dscf) of exhaust air.	Rule 335-3-14-.04 [Anti-PSD]
7. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period.	Rule 335-3-14-.04 [BACT]
8. The barge unloading station shall be operated as follows: a) The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley, and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper. b) The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40 ft^3/bu). c) Rather than meet the requirements of paragraphs (a) and (b) of this proviso, the facility may use other methods of emission control if it is demonstrated to the Department's satisfaction that they would reduce emissions of particulate matter to the same level or less.	§60.302(d)
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05

	Regulations
3. Within 60 days after achieving the maximum production rate at which the barge unloading operation will be operated, but not later than 180 days after initial startup, the facility shall conduct performance testing on the RS-3b baghouse in accordance with the requirements of §60.303(a)-(c).	§60.303
Emission Monitoring	
1. An instantaneous observation of visible emissions from the stacks associated with these units shall be conducted **weekly** while in operation.	Rule 335-3-16-.05(c)
2. If any visible emissions are observed from CD-1 or RS-3b, corrective action to reduce emissions shall be initiated within **two (2) hours**.	Rule 335-3-16-.05(c)
3. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed from RS-1a, 1b, 2, 3, or 5a-g, corrective action to reduce emissions shall be initiated within **two (2) hours**.	Rule 335-3-16-.05(c)
4. After corrective action, a follow-up visible emissions check shall be conducted. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed, a visible emissions observation shall be conducted within **thirty (30) minutes** in accordance with 40 CFR 60 Appendix A, Method 9, for a minimum of 12 minutes. Further corrective action shall be taken to reduce emissions to an appropriate level.	Rule 335-3-16-.05(c)
5. An observation of the pressure differential across the barge unloading baghouse (RS-3b) shall be conducted **weekly** while in operation.	Rule 335-3-16-.05(c)
6. If the observed pressure differential is less than 0.5 in. H_2O or greater than 8.0 in. H_2O, corrective action shall be initiated within **two (2) hours**.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a form suitable for inspection for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)
2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)

	Regulations
3. Records of each pressure drop reading across a baghouse, as well as any corrective actions taken, shall be kept on file for at least five (5) years.	Rule 335-3-16-.05(c)
4. A semi-annual report shall be submitted to the Air Division according to the following reporting schedule:	Rule 335-3-16-.05(c)

Reporting Period	Due Date
January 1st through June 30th	August 29th
July 1st through December 31st	March 1st

5. The semi-annual report shall contain the following:	Rule 335-3-16-.05(c)
a) A detailed description of every instance in which visible emissions exceeded a six (6) minute average opacity greater than ten (10%) percent, to include the date, time, cause of the visible emissions, and the corrective action taken.	
b) A copy of every ADEM Method 9 visible emissions observation report generated during the reporting period.	
c) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were completed as required.	

AIR PERMIT

PERMITTEE: BUNGE NORTH AMERICA, INC.

FACILITY NAME: BUNGE NORTH AMERICA, INC.

LOCATION: DECATUR, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE
712-0026-X035	Two (2) Natural Gas Fired Grain Dryers: • 45.2 MMBtu/hr Law-Marot Dryer (CD-2) • 29.2 MMBtu/hr Law-Marot Dryer (CD-6)

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol and 2007 Cum. Supp.), and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

ISSUANCE DATE: DRAFT

BUNGE NORTH AMERICA, INC.
DECATUR, ALABAMA
(PERMIT NO. 712-0026-X035)
PROVISOS

General Permit Provisos

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. Each point of emission, which requires testing, will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
8. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
9. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

10. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
14. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
15. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
16. The permittee shall submit an annual compliance certification to the Department no later than 60 days following the anniversary of the permittee's Title V permit. The compliance certification shall include the following:

    (a) The compliance certification shall include the following:

        a. The identification of each term or condition of this permit that is the basis of the certification;
        b. The compliance status;
        c. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);
        d. Whether compliance has been continuous or intermittent; and
        e. Such other facts as the Department may require in order to determine the compliance status of the source.

    (b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

Two (2) Natural Gas Fired Grain Dryers (CD-2, 6)
Provisos

	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, *"Major Source Operating Permits".*	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Visible Emissions".*	Rule 335-3-4-.01(1)
3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), "*Process Industries – General".*	Rule 335-3-4-.04(1)
4. These sources are subject to the applicable requirements of 40 CFR 60 Subpart DD, *"Standards of Performance for Grain Elevators".*	§60.300(a)-(b)
5. Dryer CD-6 has an enforceable limit in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"*.	Rule 335-3-14-.04 [BACT]
Emission Standards	
1. Particulate emissions from these sources shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1).	Rule 335-3-4-.04(1)
2. Particulate emissions from CD-6 shall not exceed 0.017 grains per standard cubic foot (gr/scf).	Rule 335-3-14-.04 [BACT]
3. On and after the 60th day of achieving the maximum production rate at which the dryers will be operated, but no later than 180 days after initial startup, the dryers shall not discharge into the atmosphere any gases which exhibit greater than zero (0) percent opacity.	§60.302(a)
4. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period.	Rule 335-3-14-.04 [BACT]
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05

	Regulations
3. Within 60 days after achieving the maximum production rate at which this process will be operated, but not later than 180 days after initial startup, the facility shall conduct performance testing in accordance with the requirements of §60.303(a)-(c).	§60.303
Emission Monitoring	
1. An instantaneous observation of visible emissions from each stack associated with these units shall be conducted **weekly** while each unit is operating.	Rule 335-3-16-.05(c)
2. If visible emissions are observed, corrective action to reduce emissions shall be initiated within **two (2) hours**.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. Records of each visual emission observation, as well as any Method 9 conducted and any corrective actions taken, shall be kept on file for at least five (5) years.	Rule 335-3-16-.05(c)
2. Records of the monthly and 12-month rolling total of soybeans processed in these dryers shall be kept in a permanent form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request.	Rule 335-3-16-.05(c)
3. Records of the monthly and 12-month rolling total of natural gas used by these dryers shall be kept in a form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request.	Rule 335-3-16-.05(c)

Alabama Department of Environmental Management

AIR PERMIT

PERMITTEE: BUNGE NORTH AMERICA, INC.

FACILITY NAME: BUNGE NORTH AMERICA, INC.

LOCATION: DECATUR, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE
712-0026-X036	Soybean Preparation: • Dehulling with Baghouse No. 1 (PR-1) • Dehulling with Baghouse No. 2 (PR-2) • Six (6) Soybean Cracking Rolls, Air System No. 4 with Baghouse (PR-4) • Hull Grinders with Baghouse (PR-5) • Bean Conditioner with Cyclone (PR-6) • Sixteen (16) Flaking Rolls with Cyclone and Baghouse (PR-7)

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol and 2007 Cum. Supp.), and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

ISSUANCE DATE: DRAFT

BUNGE NORTH AMERICA, INC.
DECATUR, ALABAMA
(PERMIT NO. 712-0026-X036)
PROVISOS

General Permit Provisos

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. Each point of emission, which requires testing, will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
8. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
9. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

10. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
14. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
15. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
16. The permittee shall submit an annual compliance certification to the Department no later than 60 days following the anniversary of the permittee's Title V permit. The compliance certification shall include the following:

    (a) The compliance certification shall include the following:

        a. The identification of each term or condition of this permit that is the basis of the certification;
        b. The compliance status;
        c. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);
        d. Whether compliance has been continuous or intermittent; and
        e. Such other facts as the Department may require in order to determine the compliance status of the source.

    (b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

Soybean Preparation (PR-1, 2, 4-7)
Provisos

	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, *"Major Source Operating Permits"*.	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Visible Emissions"*.	Rule 335-3-4-.01(1)
3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), "*Process Industries – General"*.	Rule 335-3-4-.04(1)
4. These sources are subject to the applicable requirements of 40 CFR 64, *"Compliance Assurance Monitoring"*.	§64.2
5. Emission points PR-1, PR-2, PR-4, PR-5, and PR-7 have limits in place to ensure that the potential to emit, including the effect of control devices, is less than 100 TPY. This is to prevent the facility from being required to collect four or more data values per hour as required in §64.3(b)(4)(i).	§64.3(b)(4)(ii)
6. These sources have enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"*.	Rule 335-3-14-.04 [BACT]
Emission Standards	
1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
2. Particulate emissions from these sources shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1).	Rule 335-3-4-.04(1)
3. Particulate emissions from emission points PR-1, PR-2, PR-4, PR-5, and PR-7 shall not exceed 21.7 lb/hr (95.0 TPY) each.	§64.3(b)(4)(ii)
4. Particulate emissions from emission points PR-4 and PR-7 shall not exceed 0.002 gr/dscf.	Rule 335-3-14-.04 [BACT]
5. Particulate emissions from emission point PR-6 shall not exceed 0.025 gr/dscf.	Rule 335-3-14-.04 [BACT]
6. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period.	Rule 335-3-14-.04 [BACT]

	Regulations
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05
Emission Monitoring	
1. An instantaneous observation of visible emissions from the stack associated with the Bean Conditioner (PR-6) shall be conducted **weekly** while in operation.	Rule 335-3-16-.05(c)
2. If visible emissions are observed, corrective action to reduce emissions shall be initiated within **two (2) hours**.	Rule 335-3-16-.05(c)
3. An instantaneous observation of visible emissions from stacks PR-1, PR-2, PR-4, PR-5, and PR-7 shall be conducted **daily** while in operation.	Rule 335-3-16-.05(c)
4. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed, corrective action to reduce emissions shall be initiated within **two (2) hours**.	Rule 335-3-16-.05(c)
5. After corrective action, a follow-up visible emissions check shall be conducted. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed, a visible emissions observation shall be conducted within **thirty (30) minutes** in accordance with 40 CFR 60 Appendix A, Method 9, for a minimum of 12 minutes. Further corrective action shall be taken to reduce emissions to an appropriate level.	Rule 335-3-16-.05(c)
6. A pressure differential reading from baghouses PR-1, PR-2, PR-4, PR-5, and PR-7 shall be observed **weekly** while in operation.	Rule 335-3-16-.05(c)
7. If the observed pressure drop (ΔP) is less than one-half (0.5) inch of water or greater than eight (8) inches of water, corrective action shall be initiated within **two (2) hours**.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)

	Regulations
2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report.	Rule 335-3-16-.05(c)
3. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed pressure drop (ΔP), and any corrective actions taken during each pressure drop (ΔP) observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)
4. A semi-annual report shall be submitted to the Air Division according to the following reporting schedule:	Rule 335-3-16-.05(c)

Reporting Period	Due Date
January 1st through June 30th	August 29th
July 1st through December 31st	March 1st

5. The semi-annual report shall contain the following:	Rule 335-3-16-.05(c)
a) A detailed description of every instance in which visible emissions exceeded a six (6) minute average opacity greater than ten (10%) percent, to include the date, time, cause of the visible emissions, and the corrective action taken.	
b) A copy of every ADEM Method 9 visible emissions observation report generated during the reporting period.	
c) A description of every instance in which the observed pressure drop was less than one-half (0.5) inch of water and greater than eight (8) inches of water, to include time, date, observed pressure drop, cause of the increased or decreased pressure drop, and the corrective action taken.	
d) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were complete as required.	

Alabama Department of Environmental Management

AIR PERMIT

PERMITTEE: BUNGE NORTH AMERICA, INC.

FACILITY NAME: BUNGE NORTH AMERICA, INC.

LOCATION: DECATUR, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE
712-0026-X037	Meal and Hull Processing, Storage, and Loadout (MH-1, 2c, 2e-f, 2g, 3-7)

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol and 2007 Cum. Supp.), and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

ISSUANCE DATE: DRAFT

BUNGE NORTH AMERICA, INC.
DECATUR, ALABAMA
(PERMIT NO. 712-0026-X037)
PROVISOS

General Permit Provisos

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. Each point of emission, which requires testing, will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
8. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
9. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

10. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
14. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
15. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
16. The permittee shall submit an annual compliance certification to the Department no later than 60 days following the anniversary of the permittee's Title V permit. The compliance certification shall include the following:

    (a) The compliance certification shall include the following:

        a. The identification of each term or condition of this permit that is the basis of the certification;
        b. The compliance status;
        c. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);
        d. Whether compliance has been continuous or intermittent; and
        e. Such other facts as the Department may require in order to determine the compliance status of the source.

    (b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

Meal and Hull Processing, Storage, and Loadout (MH-1, 2c, 2e-f, 2g, 3-7) Provisos

	Regulations
Applicability	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, *"Major Source Operating Permits".*	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Visible Emissions"*.	Rule 335-3-4-.01(1)
3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), "*Process Industries – General"*.	Rule 335-3-4-.04(1)
4. Emission point MH-1 has an enforceable limit in place in order to avoid being subject to the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"*.	Rule 335-3-14-.04 [Anti-PSD]
5. Emission points MH-1, MH-4, MH-5, MH-6, and MH-7 are subject to the applicable requirements of 40 CFR 64, *"Compliance Assurance Monitoring"*.	§64.2
6. Emission points MH-4, MH-5, MH-6, and MH-7 have limits in place to ensure that the potential to emit, including the effect of control devices, is less than 100 TPY. This is to prevent the facility from being required to collect four or more data values per hour as required in §64.3(b)(4)(i).	§64.3(b)(4)(ii)
7. These sources have enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"*.	Rule 335-3-14-.04 [BACT]
Emission Standards	
1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
2. Particulate emissions from these sources shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1).	Rule 335-3-4-.04(1)
3. Particulate emissions from emission point MH-1 shall not exceed 1.14 lb/hr (5.0 TPY).	Rule 335-3-14-.04 [Anti-PSD]
4. Particulate emissions from emission points MH-4, MH-5, MH-6, and MH-7 shall not exceed 21.7 lb/hr (95.0 TPY) each.	§64.3(b)(4)(ii)

	Regulations
5. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period.	Rule 335-3-14-.04 [BACT]
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05
Emission Monitoring	
1. An instantaneous visible emissions observation from each cyclone and baghouse associated with MH-1, MH-4, MH-5, MH-6, and MH-7 shall be accomplished **daily** while in operation.	Rule 335-3-16-.05(c)
2. An instantaneous visible emissions observation from each cyclone, baghouse, and bin vent associated with MH-2c, MH-2e-f, MH-2g, and MH-3 shall be accomplished **weekly** while in operation.	Rule 335-3-16-.05(c)
3. If the observed instantaneous opacity from any stack is greater than ten (10%) percent, corrective action to reduce emissions shall be initiated within **two (2) hours**.	Rule 335-3-16-.05(c)
4. After corrective action, a follow-up visible emissions check shall be conducted. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed, a visible emissions observation shall be conducted within **thirty (30) minutes** in accordance with 40 CFR 60 Appendix A, Method 9, for a minimum of 12 minutes. Further corrective action shall be taken to reduce emissions to an appropriate level.	Rule 335-3-16-.05(c)
5. The pressure drop (ΔP) across each baghouse associated with MH-1, MH-4, MH-5, MH-6, and MH-7 shall be observed **weekly** while in operation.	Rule 335-3-16-.05(c)
6. If the observed pressure drop (ΔP) is less than one-half (0.5) inch of water or greater than eight (8) inches of water, corrective action shall be initiated within **two (2) hours.**	Rule 335-3-16-.05(c)
7. The facility shall inspect and clean each baghouse and cyclone at least **annually**.	Rule 335-3-16-.05(c)
Recordkeeping and Reporting Requirements	
1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be	Rule 335-3-16-.05(c)

	Regulations
maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	
2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)
3. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed pressure drop (ΔP), and any corrective actions taken during each pressure drop (ΔP) observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)
4. A semi-annual report shall be submitted to the Air Division according to the following reporting schedule:	Rule 335-3-16-.05(c)

Reporting Period	**Due Date**
January 1st through June 30th	August 29th
July 1st through December 31st	March 1st

5. The semi-annual report shall contain the following:	Rule 335-3-16-.05(c)
a) A detailed description of every instance in which visible emissions exceeded a six (6) minute average opacity greater than ten (10%) percent, to include the date, time, cause of the visible emissions, and the corrective action taken.	
b) A copy of every ADEM Method 9 visible emissions observation report generated during the reporting period.	
c) A description of every instance in which the observed pressure drop was less than one-half (0.5) inch of water and greater than eight (8) inches of water, to include time, date, observed pressure drop, cause of the increased or decreased pressure drop, and the corrective action taken.	

	Regulations
d) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were completed as required.	

AIR PERMIT

PERMITTEE: BUNGE NORTH AMERICA, INC.

FACILITY NAME: BUNGE NORTH AMERICA, INC.

LOCATION: DECATUR, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE
712-0026-X038	120 MMBtu/hr Natural Gas Fired Boiler (BO-5)

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol and 2007 Cum. Supp.), and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

ISSUANCE DATE: DRAFT

BUNGE NORTH AMERICA, INC.
DECATUR, ALABAMA
(PERMIT NO. 712-0026-X038)
PROVISOS

General Permit Provisos

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. Each point of emission, which requires testing, will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
8. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
9. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

10. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
14. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
15. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
16. The permittee shall submit an annual compliance certification to the Department no later than 60 days following the anniversary of the permittee's Title V permit. The compliance certification shall include the following:

    (a) The compliance certification shall include the following:

        a. The identification of each term or condition of this permit that is the basis of the certification;
        b. The compliance status;
        c. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);
        d. Whether compliance has been continuous or intermittent; and
        e. Such other facts as the Department may require in order to determine the compliance status of the source.

    (b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

120 MMBtu/hr Natural Gas Fired Boiler (BO-5)
Provisos

	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, *"Major Source Operating Permits".*	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Visible Emissions".*	Rule 335-3-4-.01(1)
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.03, *"Control of Particulate Emissions – Fuel Burning Equipment".*	Rule 335-3-4-.03
4. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-5-.01, *"Control of Sulfur Compound Emissions – Fuel Combustion".*	Rule 335-3-5-.01
5. This source is subject to the applicable requirements of 40 CFR 60 Subpart Db, *"Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units".*	§60.40b(a)
6. This source is subject to the applicable requirements of 40 CFR 63 Subpart DDDDD, *"National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters".*	§63.7485
7. This source is subject to the General Provisions in §63.1 through §63.15 as shown in Table 10 of 40 CFR 63 Subpart DDDDD.	§63.7565
8. This source has enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".*	Rule 335-3-14-.04 [BACT]
Emission Standards	
1. Visible emissions from this source shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
2. Particulate emissions from this source shall not exceed the lesser of 0.005 grains per standard cubic foot (gr/scf) or the allowable set by ADEM Admin. Code r. 335-3-4-.03(1).	Rule 335-3-4-.03(1) Rule 335-3-14-.04 [BACT]
3. Sulfur oxide emissions, measured as sulfur dioxide, from this source shall not exceed 4.0 lb/MMBtu heat input.	Rule 335-3-5-.01(1)
4. On and after the date on which the initial performance test is completed, NO_x emissions, expressed as NO_2, from this source shall not exceed 86 ng/J (0.20 lb/MMBtu) heat input.	§60.44b(l)(1)

	Regulations
5. This unit shall burn only natural gas as fuel.	Rule 335-3-14-.04 [BACT]
6. This unit shall be operated using Good Combustion Practices that minimize emissions. This includes operating the unit based on the design and recommendations of the manufacturer and maintaining proper air-to-fuel ratios with periodic maintenance checks.	Rule 335-3-14-.04 [BACT]
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate emissions from this source shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, sulfur dioxide (SO_2) emissions from this source shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 6.	Rule 335-3-1-.05
3. If testing is required, nitrogen oxide (NO_x) emissions from this source shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 7.	Rule 335-3-1-.05
4. If testing is required, visible emissions from this source shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05
5. Compliance with the applicable emissions standards of 40 CFR 60 Subpart Db shall be determined through performance testing described in §60.46b(e)(1) and (4).	§60.46b(c)
Emission Monitoring	
1. The facility shall monitor NO_x emissions from this unit by: a) Installing a CEMS and complying with the provisions of §60.48b(b), (c), (d), (e)(2), and (f); or b) Monitoring boiler operating conditions and predicting NO_x emission rates as specified in a plan submitted pursuant to §60.49b(c).	§60.48b(g)
2. The facility shall conduct a tune-up of the boiler at least annually according to §63.7540(a)(10)(i) through (vi). The first tune-up must be no later than 13 months after initial startup of the boiler. Each annual tune-up must be no more than 13 months after the previous tune-up.	§63.7515(d)
3. If the boiler is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.	§63.7540(a)(13)

	Regulations
Recordkeeping and Reporting Requirements	
1. The facility shall submit initial notification to the Department within 15 days after startup.	§63.7545(c)
2. The facility shall submit notification of the date of initial startup, as provided by §60.7. This notification shall include: a) The design heat input capacity of the boiler and identification of the fuels to be combusted; b) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels; and c) The annual capacity factor at which the facility anticipates operating the boiler based on all fuels fired and based on each individual fuel fired.	§60.49b(a)
3. The facility shall submit to the Department the performance test data from the initial performance test and the performance evaluation of the CEMS, if applicable, using the applicable performance specifications in 40 CFR 60, Appendix B.	§60.49b(b)
4. If the facility seeks to demonstrate compliance with NOx emissions through the monitoring of boiler operating conditions in the provisions of §60.48b(g)(2), it shall submit to the Department for approval a plan that identifies the operating conditions to be monitored in §60.48b(g)(2) and the records to be maintained in §60.49b(g). This plan shall be submitted for approval within 360 days of initial startup of the boiler. If the plan is approved, the facility shall maintain records of predicted nitrogen oxide emission rates and the monitored operating conditions, including boiler load, identified in the plan. The plan shall meet the requirements of §60.49b(c)(1)-(3).	§60.49b(c)
5. The facility shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor for each fuel for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. As an alternative to the above requirement, if the facility is subject to a federally enforceable permit restricting fuel use to a single fuel such that the facility is not required to continuously monitor any emissions or parameters indicative of emissions may elect to record and maintain records of the amount of each fuel combusted during each calendar month.	§60.49b(d)
6. The facility shall maintain records of the following information, if applicable, for each boiler operating day: a) Calendar date;	§60.49b(g)

	Regulations
b) The average hourly NO_x emission rates (expressed as NO_2) (ng/J or lb/MMBtu heat input) measured or predicted;	
c) The 30-day average NO_x emission rates (ng/J or lb/MMBtu heat input) calculated at the end of each boiler operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 boiler operating days;	
d) Identification of the boiler operating days when the calculated 30-day average NO_x emission rates are in excess of the NO_x emissions standards under §60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken;	
e) Identification of the boiler operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;	
f) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;	
g) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted;	
h) Identification of the times when the pollutant concentration exceeded full span of the CEMS;	
i) Description of any modification to the CEMS that could affect the ability of the CEMS to comply with Performance Specification 2 or 3; and	
j) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60, Appendix F, Procedure 1.	
7. The facility shall submit excess emission reports for any excess emissions that occurred during the reporting period. Excess emissions are defined according to §60.49b(h)(3) and (4).	§60.49b(h)
8. If the facility utilizes a CEMS to monitor NO_x emissions, it shall submit reports containing the information recorded under §60.49b(g).	§60.49b(i)
9. All records required by 40 CFR 60 Subpart Db shall be maintained for a period of 2 years following the date of such record.	§60.49b(o)
10. The reporting period for reports required by 40 CFR 60 Subpart Db is each 6-month period. All reports shall be postmarked by the 30th day following the end of the reporting period.	§60.49b(w)
11. If the boiler uses a fuel other than natural gas, refinery gas, other gas 1 fuel, or other gaseous fuel subject to another	§63.7545(f)

	Regulations
subpart of part 60, 61, 63, or 65, during a period of natural gas curtailment or supply interruption, as defined in §63.7575, the facility must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption. The notification must include the information specified in §63.7545(f)(1) through (5).	
12. The Permittee must submit annual compliance reports for this unit no later than January 31 as required by §63.7550(b). The annual reporting periods begin on January 1, or the day of initial startup for the first reporting period, and end on December 31.	§63.7550(b)
13. The annual reports shall contain the following: a) Company and Facility name and address. b) Process unit information, emissions limitations, and operating parameter limitations. c) Date of report and beginning and ending dates of the reporting period. d) Include the date of the most recent 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.	§63.7550(c)
14. The facility shall keep 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 annual compliance report submitted, according to the requirements in §63.10(b)(2)(xiv). Records shall be maintained of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in §63.10(b)(2)(viii).	§63.7555(a)
15. If the boiler uses an alternative fuel other than natural gas, refinery gas, other gas 1 fuel, or gaseous fuel subject to another subpart of part 60, 61, 63, or 65, records must be kept of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the boiler operated during periods of gas curtailment or gas supply emergencies.	§63.7555(h)
16. Records required by 40 CFR 63 Subpart DDDDD must be kept in a form suitable for expeditious review for a period of 5 years following the date of each record. Records must be kept on site, or accessible from on site, for at least 2 years after the date of	§63.7560(a)-(c)

	Regulations
each occurrence. Records may be kept off site for the remaining 3 years.	

Alabama Department of Environmental Management

AIR PERMIT

PERMITTEE: BUNGE NORTH AMERICA, INC.

FACILITY NAME: BUNGE NORTH AMERICA, INC.

LOCATION: DECATUR, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE
712-0026-X039	Solvent Extraction Process: • Soybean Oil Solvent Extraction System (EX-1) • Desolventizer Toaster (DT) and Dryer-Cooler (DC) with Six (6) Cyclones (EX-2)

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol and 2007 Cum. Supp.), and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

ISSUANCE DATE: DRAFT

BUNGE NORTH AMERICA, INC.
DECATUR, ALABAMA
(PERMIT NO. 712-0026-X039)
PROVISOS

General Permit Provisos

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. Each point of emission, which requires testing, will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
8. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
9. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

10. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
14. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
15. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
16. The permittee shall submit an annual compliance certification to the Department no later than 60 days following the anniversary of the permittee's Title V permit. The compliance certification shall include the following:

    (a) The compliance certification shall include the following:

        a. The identification of each term or condition of this permit that is the basis of the certification;
        b. The compliance status;
        c. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);
        d. Whether compliance has been continuous or intermittent; and
        e. Such other facts as the Department may require in order to determine the compliance status of the source.

    (b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

Solvent Extraction Process (EX-1, 2)
Provisos

	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, *"Major Source Operating Permits".*	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), "*Visible Emissions".*	Rule 335-3-4-.01(1)
3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), "*Process Industries – General".*	Rule 335-3-4-.04(1)
4. This source is subject to the applicable requirements of 40 CFR 63 Subpart GGGG, *"National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production".*	§63.2832
5. This source is subject to the applicable General Provisions of 40 CFR Part 63 as described in Table 1 of §63.2870.	§63.2870
6. This source has an enforceable limit in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".*	Rule 335-3-14-.04 [BACT]
Emission Standards	
1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
2. Particulate emissions from this process shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1).	Rule 335-3-4-.04(1)
3. Particulate emissions from the cyclones associated with the meal dryer (D1 through D4) and meal cooler (C1 and C2) shall not exceed 0.025 grains per standard cubic foot (gr/scf) each.	Rule 335-3-14-.04 [BACT]
4. A mineral oil absorber shall be used on the extractor main vent to capture hexane emissions.	Rule 335-3-14-.04 [BACT]
5. This process shall not exceed a 12-month rolling solvent loss of 0.19 gallons of hexane per ton of soybeans processed.	Rule 335-3-14-.04 [BACT]
6. The facility shall maintain a compliance ratio of less than or equal to 1.00 of actual solvent loss to allowable solvent loss. The allowable solvent loss is a function of the oilseed processed and the solvent loss factor (SLF) for this facility.	§63.2840(c)

	Regulations
7. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period.	Rule 335-3-14-.04 [BACT]
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05
3. If performance testing is required, volatile organic compound emissions from this process shall be measured in accordance with 40 CFR Part 63.2850(a)(6).	§63.2850(a)(6)
4. The facility shall keep a copy of the compliance plan and the startup, shutdown, and malfunction (SSM) plan on-site and readily available as long as the source is operational. These plans shall provide detailed procedures for operating and maintaining this source to minimize emissions, and must specify a program of corrective action for malfunctioning processes and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions.	§63.2851 §63.2852
5. The solvent loss factor (SLF) for this facility, as determined by Table 1 of §63.2840, shall be 0.2 gallons of solvent lost per ton of oilseed processed for conventional soybean processing at an existing source.	§63.2834(d)

	Regulations
6. The compliance ratio shall be calculated using either of the following equations: $$\text{Compliance Ratio} = \frac{\text{Actual Hap Loss}}{\text{Allowable Hap Loss}}$$ or $$\text{Compliance Ratio} = \frac{f * \text{Actual Solvent Loss}}{0.64 * \sum_{i=1}^{n} \left((\text{Oilseed})_i * (\text{SLF})_i \right)}$$ Where: f = The weighted average volume fraction of HAP in solvent received during the previous 12 operating months. 0.64 = The average volume fraction of HAP in solvent in the baseline performance data Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months Oilseed = Tons of each oilseed type "i" processed during the previous 12 operating months SLF = The corresponding solvent loss factor (gal/ton) for oilseed	§63.2840(a)(1)-(2)
7. The following equation shall be used to determine the actual solvent loss occurring from the affected source for all normal operating periods recorded within a calendar month: $$\text{Monthly Actual Solvent (gal)} = \sum_{i=1}^{n} \left(\text{SOLV}_B - \text{SOLV}_E + \text{SOLV}_R \pm \text{SOLV}_A \right)_i$$ Where: $SOLV_B$ = Gallons of solvent in the inventory at the beginning of normal operating period "i" $SOLV_E$ = Gallons of solvent in the inventory at the end of normal operating period "i" $SOLV_R$ = Gallons of solvent received between the beginning and ending inventory dates of normal operating period "i" $SOLV_A$ = Gallons of solvent added or removed from the extraction solvent inventory during normal operating period "i" n = Number of normal operating periods in a calendar month	§63.2853(b)

	Regulations
8. The monthly weighted average volume fraction of HAP shall be calculated using the following equation: $$\text{Monthly Weighted Average HAP Content of Extraction Solvent (volume fraction)} = \frac{\sum_{i=1}^{n}(\text{Received}_i * \text{Content}_i)}{\text{Total Received}}$$ Where: Received_i = Gallons of extraction solvent received in delivery "i." Content_i = The volume fraction of HAP in extraction solvent delivery "i." Total Received = Total gallons of extraction solvent received since the end of the previous operating month n = Number of extraction solvent deliveries since the end of the previous operating month	§63.2854(b)(2)
9. The twelve-month weighted average volume fraction of HAP shall be calculated using the following equation: $$\text{12-Month Weighted Average of HAP Content in Solvent Received (volume fraction)} = \frac{\sum_{i=1}^{12}(\text{Received}_i * \text{Content}_i)}{\text{Total Received}}$$ Where: Received_i = Gallons of extraction solvent received in operating month "i" Content_i = Average volume fraction of HAP in extraction solvent received in operating month "i" Total Received = Total gallons of extraction solvent received during the previous 12 operating months	§63.2854(b)(3)
10. Monthly oilseed processed shall be determined using the following equation: $$\text{Monthly Quantity of Each Oilseed Processed (tons)} = \sum_{n=1}^{n}(\text{SEED}_B - \text{SEED}_E + \text{SEED}_R \pm \text{SEED}_A)$$ Where: SEED_B = Tons of oilseed in the inventory at the beginning of normal operating period "i" SEED_E = Tons of oilseed in the inventory at the end of normal operating period "i" SEED_R = Tons of oilseed received during normal operating period "i" SEED_A = Tons of oilseed added or removed from the oilseed inventory during normal operating period "i" n = Number of normal operating periods	§63.2855(b)

	Regulations
11. The twelve-month actual solvent loss shall be the sum of each monthly actual solvent loss for the previous twelve month period.	§63.2853(a)
12. The twelve-month volume of soybeans processed shall be the sum of the monthly volumes of soybeans processed for the previous twelve month period.	§63.2855(a)
13. The volume fraction of n-hexane in the solvent shall be obtained from the manufacturer's Material Safety Data Sheet (MSDS) or a manufacturer's certificate of analysis.	§63.2854(b)
Emission Monitoring	
1. By the end of each calendar month, the monthly total solvent loss in gallons and the compliance ratio shall be determined for the previous operating month.	§63.2853
Recordkeeping and Reporting Requirements	
1. The compliance demonstration plan and SSM plan shall be kept on-site in a permanent form suitable for inspection and made available upon request. These reports shall be kept for the life of the facility.	§63.2862(b) & (e)
2. Any existing or new source that plans to undergo a significant modification as defined in §63.2872 must submit initial notification reports described in §63.2860(c)(1) and (2): a) An initial notification shall be submitted 30 days prior to initial startup of the significantly modified source. The initial modification must demonstrate that the proposed changes qualify as a significant modification. The initial notification must include the items in §63.2860(c)(1)(i) and (ii). b) A notification of actual startup shall be submitted within 15 days after initial startup of the modified source. The notification must include the items in §63.2860(c)(2)(i) through (iv).	§63.2860(c)
3. The following records shall be kept in a form suitable for inspection and made available upon request. These records shall be kept for a period of 5 years from the date of generation: a) Monthly and 12-month rolling totals of hexane solvent usage; b) Monthly and 12-month rolling totals of actual solvent loss; c) Monthly and 12-month rolling totals (in tons) of oilseed processed; d) Monthly and 12-month compliance ratios;	§63.2862(c) & (d)

	Regulations
e) Volume fraction of each HAP in each delivery of extraction solvent;	
f) Total gallons of extraction solvent received in each delivery;	
g) Monthly weighted average volume fraction of HAP in the extraction solvent for the previous 12 months; and	
h) Manufacturer supplied certificates of analysis or Material Safety Data Sheets (MSDS) for the hexane solvent.	
4. An annual MACT compliance certification is due at the Department 12 calendar months after submitting the notification of compliance status. Each subsequent annual MACT compliance certification is due 12 calendar months after the previous annual compliance certification. The annual MACT compliance certification provides the compliance status for each operating month during the 12 calendar months period ending 60 days prior to the date on which the report is due. This report shall include the following:	§63.2861(a)
a) The name and address of the owner or operator.	
b) The physical address of the vegetable oil production process.	
c) Each listed oilseed type processed during the 12 calendar months period covered by the report.	
d) Each HAP present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report.	
e) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source.	
f) A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report.	
g) Certification that the facility is following the procedures described in the plan for demonstrating compliance.	
h) Certification that the compliance ratio is less than or equal to 1.00.	
5. A deviation notification report shall be submitted to the Department for each instance that the calculated compliance ratio exceeds 1.00. This report shall be received by the Department by no later than the last day of the month following the calendar month in which the deviation occurred.	§63.2861(b)
6. If operating under an initial startup or malfunction period, a SSM report stating that actions were taken that were consistent with the procedures in the SSM plan shall be submitted to the Department by the end of the calendar month following each	§63.2861(c)

	Regulations
month in which the initial startup or malfunction period occurred. This report shall include the following information: a) A statement containing the name, title, and signature of the owner or operator or other responsible official certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the SSM plan. b) A description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial startup or malfunction period. c) An estimate of the solvent loss during the initial startup or malfunction period with supporting documentation.	
7. If a SSM is handled differently during an initial startup or malfunction period from the procedures in the SSM plan, and the relevant emission requirements are exceeded, an immediate SSM report (telephone call or facsimile transmission) must be submitted within 2 working days after starting actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event. The letter must include the following information: a) The name, title, and signature of the responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM plan. b) A description and date of the SSM event, its duration, and reason it qualifies as SSM. c) An estimate of the solvent loss for the duration of the SSM event with supporting documentation.	§63.2861(d)
8. Records required by 40 CFR 63 Subpart GGGG shall be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Each record must be kept on-site for at least 2 years after the date of occurrence or generation, and may be kept off-site for the remaining 3 years.	§63.2863

Alabama Department of Environmental Management

AIR PERMIT

PERMITTEE: BUNGE NORTH AMERICA, INC.

FACILITY NAME: BUNGE NORTH AMERICA, INC.

LOCATION: DECATUR, ALABAMA

PERMIT NUMBER	DESCRIPTION OF EQUIPMENT, ARTICLE, OR DEVICE
712-0026-X040	305 HP Diesel Fired Emergency Fire Pump Engine

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol and 2007 Cum. Supp.), and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

ISSUANCE DATE: DRAFT

BUNGE NORTH AMERICA, INC.
DECATUR, ALABAMA
(PERMIT NO. 712-0026-X040)
PROVISOS

General Permit Provisos

1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
4. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
5. Each point of emission, which requires testing, will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.
6. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
7. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
8. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
9. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

10. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
11. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
12. Nothing in this permit or conditions thereto shall negate any authority granted to the Air Division pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
13. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
14. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
15. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
16. The permittee shall submit an annual compliance certification to the Department no later than 60 days following the anniversary of the permittee's Title V permit. The compliance certification shall include the following:

    (a) The compliance certification shall include the following:

        a. The identification of each term or condition of this permit that is the basis of the certification;
        b. The compliance status;
        c. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);
        d. Whether compliance has been continuous or intermittent; and
        e. Such other facts as the Department may require in order to determine the compliance status of the source.

    (b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

305 HP Diesel Fired Emergency Fire Pump Engine Provisos

	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, *"Major Source Operating Permits".*	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), *"Visible Emissions".*	Rule 335-3-4-.01(1)
3. This source is subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, *"National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines".*	40 CFR Part 63 Subpart ZZZZ
4. This source is subject to the applicable requirements 40 CFR Part 60 Subpart IIII, *"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines".*	40 CFR Part 60 Subpart IIII
5. This source has an enforceable limit in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, *"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".*	Rule 335-3-14-.04 [BACT]
Emission Standards	
1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
2. This unit shall be operated using Good Combustion Practices that minimize emissions. This includes operating the unit based on the design and recommendations of the manufacturer and maintaining proper air-to-fuel ratios with periodic maintenance checks.	Rule 335-3-14-.04 [BACT]
3. This unit is subject to the applicable emission standards listed in Table 4 to 40 CFR Part 60 Subpart IIII.	§60.4205(c)
4. Diesel fuel used by this unit must comply with the per-gallon standards in §80.510(b).	§60.4207(b)
5. The Permittee must install a non-resettable hour meter on this unit.	§60.4209(a)
6. The engine shall be certified to the emission standards in §60.4205(c) for the same model year and NFPA nameplate engine power.	§60.4211(c)
7. This unit must be installed and configured according to the manufacturer's specifications.	§60.4211(c)

	Regulations
8. The facility must operate and maintain this unit according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.	§60.4211(a)(1)
9. This unit may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not require if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. These units may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 60 Subpart IIII, is prohibited.	§60.4211(f)
Compliance and Performance Test Methods and Procedures	
1. Method 9 of 40 CFR Part 60 (latest edition), Appendix A, shall be used in the determination of opacity.	Rule 335-3-1-.05
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Recordkeeping and Reporting Requirements	
1. The facility must record hours of operation of this unit in emergency and non-emergency service that are recorded through a non-resettable hour meter. The facility must record the time of operation and the reason the engine was in operation during that time.	§60.4214(b)
2. The facility must comply with the initial notification requirements of Table 8 of 40 CFR 63 Subpart ZZZZ.	§63.6665