COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: November 14, 2024 Effective Date: December 1, 2024

Expiration Date: November 30, 2029

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 36-05158

Federal Tax Id - Plant Code: 20-5172625-1

Owner Information

Name: PERDUE AGRIBUSINESS LLC
Mailing Address: 31149 OLD OCEAN CITY RD
SALISBURY, MD 21804-1806

Plant Information

Plant: PERDUE AGRIBUSINESS LLC/MARIETTA
Location: 36 Lancaster County 36920 Conoy Township
SIC Code: 2075 Manufacturing - Soybean Oil Mills

Responsible Official

Name: JACLYN MAYS
Title: DIR ENV COMP & SERVICES
Phone: (410) 341 - 2055 Email: jaclyn.mays@perdue.com

Permit Contact Person

Name: REBECCA DAY
Title: REGIONAL ENV MGR
Phone: (717) 426 - 7930 Email: Rebecca.Day@perdue.com

[Signature] _____

WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

SECTION A. Table of Contents

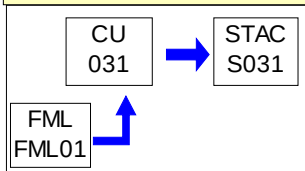
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	TEMPORARY PORTABLE BOILER(S)	85.000	MMBTU/HR	
		0.607	Th Gal/HR	#2 Oil
101	GRAIN RECEIVING/PROCESSING	600.000	Tons/HR	SOYBEANS
102	WET GRAIN STORAGE BINS	600.000	Tons/HR	SOYBEANS
103	GRAIN DRYER 1	39.500	MMBTU/HR	
		210.000	Tons/HR	SOYBEANS
105	GRAIN STORAGE BINS	600.000	Tons/HR	SOYBEANS
106	GRAIN LOADOUT	120.000	Tons/HR	SOYBEANS
201	SOYBEAN PREP PROCESS	72.920	Tons/HR	SOYBEANS
202	BEAN CONDITIONING	68.540	Tons/HR	SOYBEANS
203	FLAKING ROLLS	68.540	Tons/HR	SOYBEANS
204	EXTRACTION PROCESS	79.800	Tons/HR	SOYBEAN FLAKES/MEAL
205A	MEAL DRYER	62.500	Tons/HR	SOYBEAN FLAKES/MEAL
205B	MEAL COOLER	62.500	Tons/HR	SOYBEAN FLAKES/MEAL
206	MEAL GRINDING & SCREENING	58.750	Tons/HR	SOYBEAN FLAKES/MEAL
207	MILL FEED (HULL) GRINDING	4.740	Tons/HR	SOYBEAN HULLS
208	MEAL/MILL FEED STORAGE BINS	59.740	Tons/HR	SOYBEAN FLAKES/MEAL
209	MEAL/MILL FEED LOADOUT TANK	59.740	Tons/HR	SOYBEAN FLAKES/MEAL
210	MEAL LOADOUT AREA	100.000	Tons/HR	SOYBEAN MEAL/MILL FEE
211	SOYBEAN DAY TANKS	72.920	Tons/HR	SOYBEAN MEAL
212	HEXANE STORAGE TANKS			
213	CLAY ADDITION SYSTEM			
301	SOYBEAN OIL EXTRACTION FACILITY ROADWAYS			
401	EMERGENCY FIRE PUMP			
402	EMERGENCY GENERATOR			
C101	GRAIN REC/PROC BAGHOUSE			
C102	BIN VENT FILTERS			
C201A	SOYBEAN PREP BAGHOUSE A			
C201B	SOYBEAN PREP BAGHOUSE B			
C201C	SOYBEAN PREP BAGHOUSE C			
C201D	SOYBEAN PREP BAGHOUSE D			
C201E	SOYBEAN PREP BAGHOUSE E			
C202	BEAN CONDITIONING CYCLONE			
C203	FLAKING CYCLONE			
C204	OIL EXTRACTION SCRUBBER			
C205A	MEAL DRYER CYCLONE			
C205B	MEAL COOLER CYCLONE			
C206	MEAL SCREEN/GRIND BAGHOUSE			
C207	MILL FEED (HULL) GRIND BAGHOUSE			
C208	MEAL/MILL FEED STORAGE FILTERS			

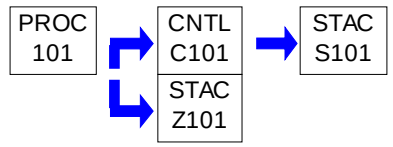
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C209	MEAL/MILL FEED LOADOUT TANK FILTER		
C210	MEAL LOADOUT BAGHOUSE		
C213	CLAY ADD BIN VENT FILTERS		
FML01	NO.2 FUEL OIL		
FML02	DIESEL		
S031	TEMP BOILER(S) STACK(S)		
S101	GRAIN REC/PROC BAGHOUSE STACK		
S201A	SOYBEAN PREP BAGHOUSE A STACK		
S201B	SOYBEAN PREP BAGHOUSE B STACK		
S201C	SOYBEAN PREP BAGHOUSE C STACK		
S201D	SOYBEAN PREP BAGHOUSE D STACK		
S201E	SOYBEAN PREP BAGHOUSE E STACK		
S202	BEAN CONDITIONING CYCLONE STACK		
S203	FLAKING CYCLONE STACK		
S204	OIL EXTRACTION SCRUBBER STACK		
S205A	MEAL DRYER CYCLONE STACK		
S205B	MEAL COOLER CYCLONE STACK		
S206	MEAL SCREEN/GRIND BAGHOUSE STACK		
S207	MILL FEED GRIND BAGHOUSE STACK		
S210	MEAL LOADOUT BAGHOUSE STACK		
S401	EMERGENCY FIRE PUMP STACK		
S402	EMERGENCY GENERATOR STACK		
Z101	GRAIN REC/PROC BAGHOUSE FUGITIVES		
Z102	BIN VENT FILTER STACK		
Z103	GRAIN DRYER 1 FUGITIVES		
Z105	GRAIN STORAGE BINS EXHAUST		
Z106	GRAIN LOADOUT FUGITIVES		
Z204	OIL EXTRACTION FUGITIVES		
Z208	MEAL/MILL STORAGE FILTER FUGITIVES		
Z209	MEAL/MILL FEED LOADOUT FILTER FUGITIVES		
Z211	SEED SILO TANKS FUGITIVES		
Z213	CLAY ADD SYSTEM FUGITIVES		
Z301	GRAIN ELEVATOR ROADWAY FUGITIVES		

PERMIT MAPS



PERMIT MAPS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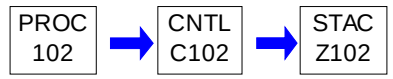
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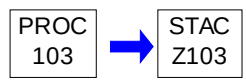
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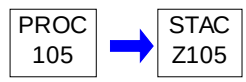
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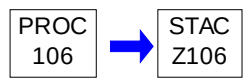
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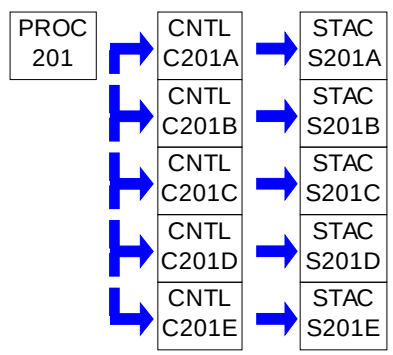
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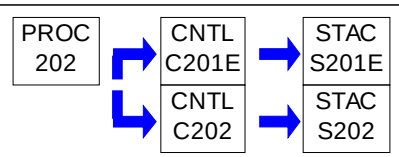
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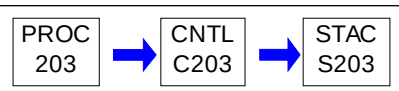
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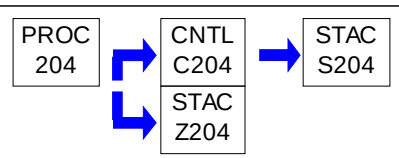
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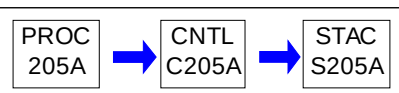
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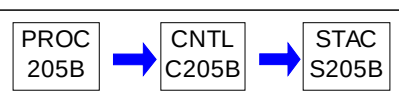
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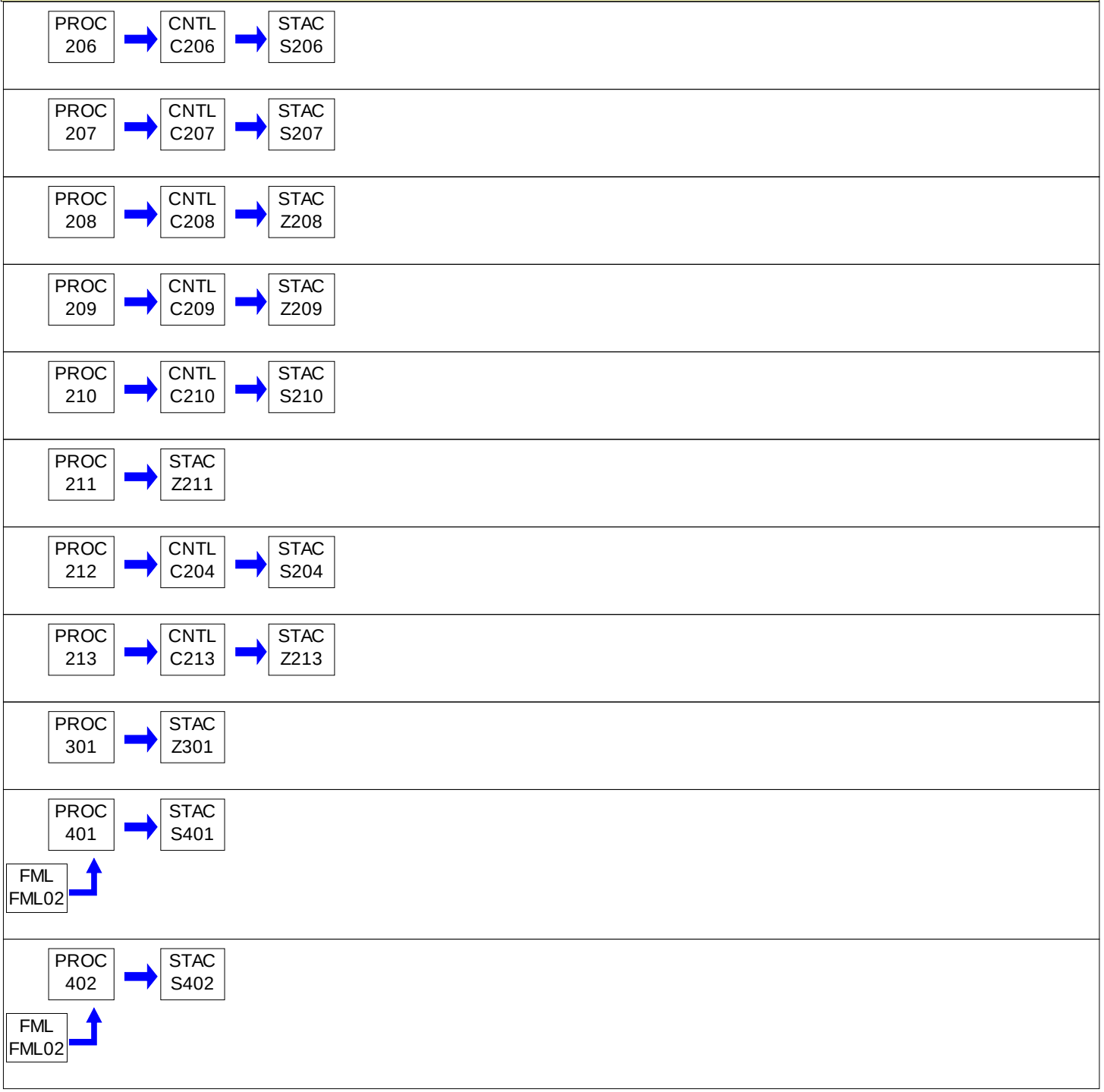
PERMIT MAPS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PROC 213
CNTL C213
STAC Z213
PROC 301
STAC Z301
PROC 401
STAC S401
FML FML02
PROC 402
STAC S402
FML FML02

SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

This permit does not convey property rights of any sort, or any exclusive privileges.

#004 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]

Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

SECTION B. General Title V Requirements

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

SECTION B. General Title V Requirements

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

SECTION B. General Title V Requirements

#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

SECTION B. General Title V Requirements

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars ($8,000) for calendar years 2021—2025.

(2) Ten thousand dollars ($10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars ($12,500) for the calendar years beginning with 2031.

#019 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NOx from a single source during the term of the permit and 5 tons of NOx at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM10 from a single source during the term of the permit and 3.0 tons of PM10 at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

SECTION B. General Title V Requirements

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#020 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

SECTION B. General Title V Requirements

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]

Submissions

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]

Sampling, Testing and Monitoring Procedures

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

SECTION B. General Title V Requirements

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]

Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

(1) The identification of each term or condition of the permit that is the basis of the certification.
(2) The compliance status.
(3) The methods used for determining the compliance status of the source, currently and over the reporting period.
(4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

SECTION B. General Title V Requirements

#027 [25 Pa. Code § 127.3]

Operational Flexibility

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

(6) Section 127.462 (relating to minor operating permit amendments)

(7) Subchapter H (relating to general plan approvals and operating permits)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

(i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

SECTION B. General Title V Requirements

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

#031 [25 Pa. Code §135.3]

Reporting

(a) The permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#032 [25 Pa. Code §135.4]

Report Format

Emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) The permittee may not allow the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.

(2) Grading, paving, and maintenance of roads and streets.

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from the use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning of materials.

(7) Sources and classes of sources other than those identified in (a)(1)-(a)(6), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) The emissions are of minor significance with respect to causing air pollution; and

(ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

The permittee may not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001, if the emissions are visible at the point the emissions pass outside the permittees property.

 # 003 [25 Pa. Code §123.31]

Limitations

The permittee may not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the permittee's property.

 # 004 [25 Pa. Code §123.42]

Exceptions

The emission limitations of Section C, Condition #005 shall not apply when:

(1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.

(2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(3) The emission results from sources specified in Section C, Condition #001, subsections (a)(1)-(a)(7).

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not allow the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

(1) Equal to or greater than 10 percent opacity at any time, as measured by EPA Method 9.

(2) Any visible emissions off the facility property line.

SECTION C. Site Level Requirements

[Compliance with the above limits ensures compliance with 25 Pa Code 123.41]

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall limit the facility's annual emission to less than the following thresholds during any consecutive 12-month period:

(1) NOx - 12.3 tons
(2) CO - 14.17 tons
(3) PM - 119.7 tons
(4) PM-10 - 38.6 tons
(5) PM-2.5 - 16.3 tons
(6) VOC - 208.1 tons
(7) n-Hexane - 104.0 tons

(b) Compliance verification requires emissions to be calculated and recorded for each month and each consecutive 12-month.

[Additional authority for this permit condition is derived from PA 36-05158F]

 # 007 [25 Pa. Code §129.14]

Open burning operations

(a) The permittee may not allow open burning of materials in such a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the permittee's property.

(2) Malodorous air contaminants from the open burning are detectable outside the permittee's property.

(3) The emissions interfere with the reasonable enjoyment of life and property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

(b) Exceptions. The requirements of Subsection (a) do not apply where the open burning operations result from:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public official.

(2) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) A fire set solely for recreational or ceremonial purposes.

(5) A fire set solely for cooking food.

(c) This permit does not constitute authorization to burn solid waste pursuant to section 610 (3) of the Solid Waste Management Act. 35 PS Section 6018.610 (3) or any other provision of the Solid Waste Management Act.

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION C. Site Level Requirements

The Department reserves the right to require exhaust stack testing of the sources & control devices referenced in this permit to measure emissions for purposes including verification of permit condition compliance and estimation of annual air emissions.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Unless otherwise approved in writing by DEP, the permittee shall do the following:

(1) Conduct any performance testing in accordance with the provisions of 25 Pa Code Section 139 and the Department's Source Testing Manual and any applicable federal regulations.

(2) Submit to DEP a test protocol for review and approval at least 90 calendar days prior to commencing an emissions testing program, and not conduct the test that is the subject of the protocol until the protocol has been approved by DEP.

(3) If DEP finds deficiencies in the protocol, the permittee shall provide a response to DEP addressing the deficiencies within 30 days of being notified of the deficiencies.

(4) Complete the performance test within 90 days of DEP's approval of the test protocol, or by the due date specified elsewhere in the TV permit, whichever is later.

(b) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
(2) Permit number(s) and condition(s) which are the basis for the evaluation.
(3) Summary of results with respect to each applicable permit condition.
(4) Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 to all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through https://www.depgreenport.state.pa.us/ecomm/Login.jsp when it becomes available. If internet submittal cannot be accomplished, submittal shall be made as follows:

SECTION C. Site Level Requirements

Regional Office:
Digital copy (only): RA-epscstacktesting@pa.gov

Bureau of Air Quality:
Digital copy (only): RA-epstacktesting@pa.gov

(i) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

 # 010 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such sources. In the request, the Department will set forth the time period in which the facilities shall be provided as well as the specifications for such facilities.

III. MONITORING REQUIREMENTS.

 # 011 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and certified in EPA Method 9 to measure plume opacity with the naked eye or with the aid of any device(s) approved by the Department.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct a daily inspection around the facility periphery during daylight hours when the sources are in operation, to detect visible emissions, fugitive emissions, and malodorous air contaminants. Daily inspections are necessary to determine:

(a) The presence of visible emissions. Visible emissions may be measured according to the methods specified in Section C, Condition #011. Alternately, personnel who observe visible emissions may report the incident to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.

(b) The presence of fugitive emissions beyond the property boundaries, as stated in Section C, Condition #002.

(c) The presence of odorous air contaminants beyond the property boundaries, as stated in Section C, Condition #003.

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of daily inspections referenced in Section C, Condition #012. The records shall include, at minimum, the following information:

(1) The name of the company representative monitoring these instances.
(2) The date and time of the observation.
(3) The wind direction during each observation.
(4) A description of the emissions and/or malodors observed and actions taken to mitigate them. If none, record "NONE."

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon request.

SECTION C. Site Level Requirements

V. REPORTING REQUIREMENTS.

 # 014 [25 Pa. Code §127.442]

Reporting requirements.

The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner that affects the facility's ability to comply with a permit term. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Reading District Office at (610) 916-0100 during normal business hours, or to the Department's Emergency Hotline at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) Unless otherwise approved by DEP, all malfunctions shall be reported through the Department's Greenport PUP system available through: https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home

VI. WORK PRACTICE REQUIREMENTS.

 # 015 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001(a)(1)-(a)(7). These actions shall include, but are not limited to the following:

(1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(2) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

VII. ADDITIONAL REQUIREMENTS.

 # 016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with the following Best Management Procedures (BMPs):

(a) General Maintenance, Upkeep, and Repair:

(1) Equipment and air pollution control equipment malfunctions shall be remedied in an expeditious manner so as to minimize the amount and duration of excess emissions.

(2) Air pollution control equipment shall be operated when the air emission source is in operation and shall be checked daily for proper operation.

(3) Routine maintenance of equipment and air pollution control equipment shall be scheduled during periods of process shutdown to the maximum extent possible.

(4) Clean internal and external areas, including floors, roofs and decks, as necessary to minimize dust to the atmosphere when the facility is receiving, transferring, or loading out grain.

(5) Clean the yard, ditches, and curbs as necessary to minimize accumulation of grain, chaff, and grain dust.

SECTION C. Site Level Requirements

(b) Grain Handling Equipment (including but not limited to bucket elevators or legs, scale hoppers, turn heads, scalpers, cleaners, trippers, and headhouse and other such structures):

(1) Grain handling equipment shall be cleaned, enclosed, or controlled as necessary to minimize visible dust emissions to the atmosphere when the equipment is being operated.

(2) Operation of aeration fans shall be minimized during loading of grain into storage bins to the extent possible.

(c) Grain Unloading Stations (Dump Pits) and Grain Loading Stations (Loadouts)

(1) Dump pits with enclosures shall be maintained and operated so as to minimize the emissions of dust to the atmosphere resulting from the dumping and handling of grain.

(2) Dump pits with induced draft fans installed must use fans with a capacity of at least 50 cfm/sq ft of airflow at the effective grate surface, where the area of the effective grate surface is the area of the dump pit grate through which air passes, or would pass, when aspirated. [NOTE: FANS HAVE CAPACITY OF AT LEAST 75 CFM/SQ FT]

(3) If feasible, loadouts shall use socks and drop-down spouts or sleeves, or equivalent, which extend at least 6 inches below the sides of the receiving container to minimize grain free-fall distance, except for topping off.

(4) To the extent possible, the flow of the grain through the spout shall be regulated so as to minimize dust emissions from the receiving container when the container is empty to only partially full.

(5) If grain oiling is used, grain should be oiled after receipt at the grain unloading station and prior to transfer to bin storage to allow for the maximum control effectiveness.

(d) Grain Dryers

(1) Column dryers shall have screen perforations on replacement screens or new dryer screens no greater than 0.094 inch.

(2) Grain inlets and grain outlets to dryers shall be enclosed.

(3) The volume of grain passing through the dryer shall not exceed the manufacturer's recommended capacity.

(4) Dryer screens shall be inspected weekly.

(e) The permittee shall maintain records as appropriate to demonstrate that applicable BMPs are being implemented. These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The outdoor storage of grain is prohibited.

(b) The outdoor loading of soybean meal is prohibited.

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) In accordance with 25 Pa. Code §127.208(2), the Department authorizes the transfer and use of 175.7 tons per year (tpy) of VOC emission reduction credits (ERCs) for offset purposes from Element Markets, LLC, Houston, Texas. The 175.7 tpy of VOC ERCs were generated by the source reduction related to wood furniture surface coating sources at Bush Industries, Inc., in Cattaraugus County, New York in May 1992. The ERCs were noticed/certified in New York State Department of Environmental Conservation's (NYSDEC) Environmental Notice Bulletin (ENB) on November 20, 1996 and entered in the NYSDEC's ERC Registry system. 174.0 tpy of these ERCs were transferred to the PADEP ERC Registry on January 25, 2017. Transfer of the remaining 1.7 tpy of ERCs to the PADEP ERC Registry is expected to occur in a separate

SECTION C. Site Level Requirements

transaction.

(b) In accordance with 25 Pa. Code §127.208(2), the Department authorizes the transfer and use of 76.59 tons per year (tpy) of VOC ERCs for offset purposes from Calpine Mid-Merit, LLC. The 76.59 tpy of VOC ERCs were generated by the 2006 through 2010 shutdown of rotogravure printing presses at Quad Graphics Inc. (a.k.a. QG Printing Corp.) in Erie County, New York. The NYSDEC certified and registered the 76.59 tpy of VOC ERCs on April 2, 2013. The ERCs were transferred to the PADEP ERC Registry on October 17, 2014.

(c) In accordance with 25 Pa. Code §127.208(2), the Department authorizes the transfer and use of 9.11 tons per year (tpy) of VOC ERCs for offset purposes from Element Markets, LLC, Houston, Texas. The 9.11 tpy of VOC ERCs were generated by the permanent shutdown of three (3) paint booths in December 2007 at CNH Industrial America LLC (f.k.a CNH America LLC) in Mifflin County, Pennsylvania. The PADEP certified and registered the 9.11 tpy of VOC ERCs on January 27, 2009.

(d) In accordance with 25 Pa. Code §127.208(2), the Department authorizes the transfer and use of 6.6 tons per year (tpy) of VOC ERCs for offset purposes from Element Markets, LLC, Houston, Texas . The 6.6 tpy of VOC ERCs were generated by the permanent shutdown of an asphalt plant in October 2007 at Lindy Paving Inc. in Allegheny County, Pennsylvania. The Allegheny County Health Department (ACHD), a local air pollution control agency approved by PADEP, certified and registered the 6.6 tpy of VOC ERCs in the PADEP ERC Registry on October 20, 2008.

(e) The offsetting VOC ERCs are approved for use by Perdue AgriBusiness, LLC to comply with Section C, Condition #021, of Plan Approval No. 36-05158A that was issued on May 5, 2016 for its soybean processing facility in Conoy Township, Lancaster County. This approval is in accordance with the requirements of 25 Pa. Code, Chapter 127, Subpart E (relating to New Source Review) including 25 Pa. Code §§127.205(4) and 127.210.

(f) In accordance with 25 Pa. Code §127.208(2), the VOC ERCs described in parts (b), (c) & (d), above, are no longer subject to the 10-year expiration date under 25 Pa. Code §127.206(f) except as specified in 25 Pa. Code §127.206(g). If any of the VOC ERCs described in parts (b), (c) and (d), above, are not used and are subsequently re-entered into the ERC Registry System, the applicable 10-year expiration date will not be extended.

[Additional authority for this permit condition is derived from PA 36-05158C]

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2025 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 031 Source Name: TEMPORARY PORTABLE BOILER(S)

Source Capacity/Throughput: 85.000 MMBTU/HR
0.607 Th Gal/HR #2 Oil

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]
Combustion units

The permittee may not allow the emission into the outdoor atmosphere of particulate matter from a boiler in excess of 0.4 pound per million Btu of heat input

 # 002 [25 Pa. Code §123.22]
Combustion units

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any boiler in excess of the rate of 4 pounds per million BTU of heat input over any 1-hour period.

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The boiler(s) shall only be fired on No. 2 fuel oil.

(b) The sulfur content of the No. 2 fuel oil shall not exceed 0.0015 percent by weight (15 ppm).

Operation Hours Restriction(s).

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The combined annual operation of the temporary boiler(s) shall not exceed 672 hr/yr based on a 12-month running total.

(b) The total heat input of the temporary boiler(s) shall not exceed 57,120 mmBtu/yr based on a 12-month running total.

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall sample each shipment of fuel oil before use in the boiler(s). As an alternative, the permittee shall obtain a certification from the oil supplier as to the sulfur content and the heating value in BTUs of the oil as delivered.

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The permittee shall maintain, and make available to the Department upon request, monthly records containing the

following information:

(1) Gallons of No. 2 fuel oil combusted in each boiler.
(2) Hourly usage of each boiler
(3) Total heat input of each boiler
(4) Certified fuel supplier receipts

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

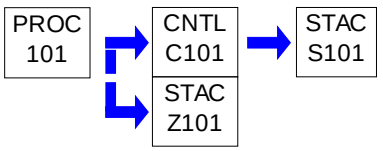
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 101 Source Name: GRAIN RECEIVING/PROCESSING

Source Capacity/Throughput: 600.000 Tons/HR SOYBEANS

Conditions for this source occur in the following groups: GRP01



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from Source ID 101, Grain Receiving/Processing, shall not exceed the rate determined by the following formula or an effluent gas concentration of 0.02 grains per dry standard cubic foot, whichever is greater:

A = 0.76*(E^0.42)

Where:

A = allowable emissions in pounds per hour
E = emission index = F X W pounds per hour
F = 90 = process factor in pounds per unit
W = production or charging rate in units per hour
0.42 = exponent

[Compliance with 40 CFR 60.302 ensures compliance with the particulate matter limit of 25 Pa Code 123.13]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate, and maintain instrumentation to measure and display the pressure differential across the fabric collector.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor & record the pressure differential across the fabric collector a minimum of once per week while the soybean receiving operations are operating.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain the following:

SECTION D. Source Level Requirements

(1) Daily records of the amount of soybeans received
(2) 12-month rolling totals of the amount of soybeans received

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Grain unloading operations shall not occur unless the unloading bay is aspirated at negative pressure.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

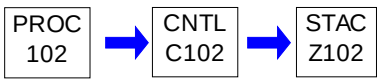
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 102 Source Name: WET GRAIN STORAGE BINS

Source Capacity/Throughput: 600.000 Tons/HR SOYBEANS

Conditions for this source occur in the following groups: GRP01



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 103 Source Name: GRAIN DRYER 1

Source Capacity/Throughput: 39.500 MMBTU/HR
210.000 Tons/HR SOYBEANS

Conditions for this source occur in the following groups: GRP01

PROC 103 → STAC Z103

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions from the grain dryer shall not exceed the rate determined by the following formula or an effluent gas concentration of 0.02 grains per dry standard cubic foot, whichever is greater:

A = 0.76*(E^0.42)

Where:
A = allowable emissions in pounds per hour
E = emission index = F X W pounds per hour
F = 200 = process factor in pounds per unit
W = production or charging rate in units per hour
0.42 = exponent

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The grain dryer shall be indirectly heated from steam only.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain daily records of the following for the dryer:

(1) Soybean throughput in tons;
(2) Hours of operation;

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

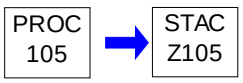
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 105 Source Name: GRAIN STORAGE BINS

Source Capacity/Throughput: 600.000 Tons/HR SOYBEANS

Conditions for this source occur in the following groups: GRP01



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

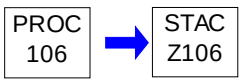
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 106 Source Name: GRAIN LOADOUT

Source Capacity/Throughput: 120.000 Tons/HR SOYBEANS

Conditions for this source occur in the following groups: GRP01



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain monthly records of the amount of soybeans shipped offsite.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

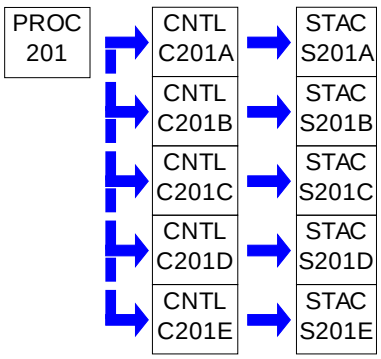
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 201 Source Name: SOYBEAN PREP PROCESS

Source Capacity/Throughput: 72.920 Tons/HR SOYBEANS

Conditions for this source occur in the following groups: GRP02
GRP03



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the above source(s) in a manner that the concentration of PM in the effluent gas exceeds 0.01 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain the following:

(1) Daily records of the amount of soybeans processed
(2) 12-month rolling totals of the amount of soybeans processed

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

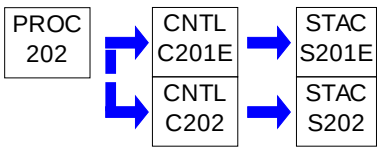
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 202 Source Name: BEAN CONDITIONING

Source Capacity/Throughput: 68.540 Tons/HR SOYBEANS

Conditions for this source occur in the following groups: GRP02



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the above operations which are controlled by Control ID C201E in a manner that the concentration of PM in the effluent gas exceeds 0.01 grain per dry standard cubic foot.

(b) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the vertical seed conditioner (VSC) fan discharge, controlled by Control ID C202, in a manner that the concentration of PM in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

[Additional authority for this permit condition is derived from PA 36-05158D]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 203 Source Name: FLAKING ROLLS

Source Capacity/Throughput: 68.540 Tons/HR SOYBEANS

Conditions for this source occur in the following groups: GRP02
GRP03

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the above source(s) in a manner that the concentration of PM in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

Operation Hours Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only operate five flaking rolls with load at any one time.

[Additional authority for this permit condition is derived from RFD #10329]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

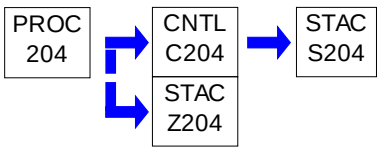
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 204 Source Name: EXTRACTION PROCESS

Source Capacity/Throughput: 79.800 Tons/HR SOYBEAN FLAKES/MEAL

Conditions for this source occur in the following groups: GRP02
GRP04
GRP05
GRP06



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate, and maintain instrumentation to continuously monitor the hexane concentration in the exhaust air stream at the final vent fan to ensure that the hexane concentration remains less than 20% of the Lower Explosive Limit (LEL).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

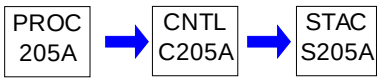
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 205A Source Name: MEAL DRYER

Source Capacity/Throughput: 62.500 Tons/HR SOYBEAN FLAKES/MEAL

Conditions for this source occur in the following groups: GRP02
GRP03
GRP04
GRP05
GRP06



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the above source(s) in a manner that the concentration of total PM (filterable & condensable) in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

(b) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM10) from the above source(s) in a manner that the concentration of total PM10 (filterable & condensable) in the effluent gas exceeds 0.006 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 205B Source Name: MEAL COOLER

Source Capacity/Throughput: 62.500 Tons/HR SOYBEAN FLAKES/MEAL

Conditions for this source occur in the following groups: GRP02
GRP03
GRP04
GRP05
GRP06

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the above source(s) in a manner that the concentration of total PM (filterable & condensable) in the effluent gas exceeds 0.02 grain per dry standard cubic foot.

(b) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM10) from the above source(s) in a manner that the concentration of total PM10 (filterable & condensable) in the effluent gas exceeds 0.006 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 206 Source Name: MEAL GRINDING & SCREENING

Source Capacity/Throughput: 58.750 Tons/HR SOYBEAN FLAKES/MEAL

Conditions for this source occur in the following groups: GRP02
GRP03
GRP04
GRP05
GRP06

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the above source(s) in a manner that the concentration of PM in the effluent gas exceeds 0.01 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 207 Source Name: MILL FEED (HULL) GRINDING

Source Capacity/Throughput: 4.740 Tons/HR SOYBEAN HULLS

Conditions for this source occur in the following groups: GRP02
GRP04
GRP05
GRP06

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the above source(s) in a manner that the concentration of PM in the effluent gas exceeds 0.01 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate, and maintain instrumentation to measure and display the pressure differential across the fabric collector.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor & record the pressure differential across the fabric collector a minimum of once per week while the grinding operations are operating.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 208 Source Name: MEAL/MILL FEED STORAGE BINS

Source Capacity/Throughput: 59.740 Tons/HR SOYBEAN FLAKES/MEAL

Conditions for this source occur in the following groups: GRP02
GRP04
GRP05
GRP06

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 209 Source Name: MEAL/MILL FEED LOADOUT TANK

Source Capacity/Throughput: 59.740 Tons/HR SOYBEAN FLAKES/MEAL

Conditions for this source occur in the following groups: GRP02
GRP04
GRP05
GRP06

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

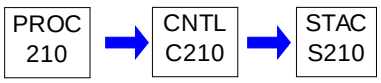
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 210 Source Name: MEAL LOADOUT AREA

Source Capacity/Throughput: 100.000 Tons/HR SOYBEAN MEAL/MILL FEED

Conditions for this source occur in the following groups: GRP02
GRP04
GRP05
GRP06



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from the above source(s) in a manner that the concentration of PM in the effluent gas exceeds 0.01 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate, and maintain instrumentation to measure and display the pressure differential across the fabric collector.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor & record the pressure differential across the fabric collector a minimum of once per week while loadout operations are being conducted.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Meal loading operations in the loading bay shall not occur unless:

(1) The doors and/or flexible strips are maintained in a manner to fully enclose the entrance and exit of the loading bay;

AND
(2) The loading bay is aspirated at negative pressure.

(b) Meal loading operations in the meal storage/loading building shall not occur unless:

(1) The doors and/or flexible strips are maintained in a manner to fully enclose the entrance and exit of the building.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

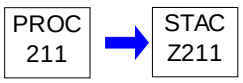
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 211 Source Name: SOYBEAN DAY TANKS

Source Capacity/Throughput: 72.920 Tons/HR SOYBEAN MEAL

Conditions for this source occur in the following groups: GRP02



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is equal to or greater than 10 percent opacity at any time, as measured by EPA Method 9.

[Additional authority for this permit condition is derived from PA 36-05158F]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 212 Source Name: HEXANE STORAGE TANKS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP02
GRP04
GRP05
GRP06

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [25 Pa. Code §129.57]

Storage tanks less than or equal to 40,000 gallons capacity containing VOCs

Each storage tank shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 213 Source Name: CLAY ADDITION SYSTEM

Source Capacity/Throughput:

PROC 213 → CNTL C213 → STAC Z213

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall:

(1) Install and maintain bin vent dust collectors, or equivalent, on the storage tank.
(2) Not allow the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is equal to or greater than 10 percent opacity at any time, as measured by EPA Method 9.

[Additional authority for this permit condition is derived from PA 36-05158F]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

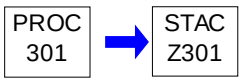
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 301 Source Name: SOYBEAN OIL EXTRACTION FACILITY ROADWAYS

Source Capacity/Throughput:



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

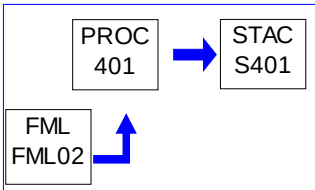
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 401 Source Name: EMERGENCY FIRE PUMP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP07



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

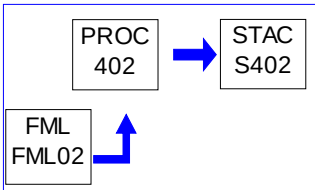
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 402 Source Name: EMERGENCY GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GRP07



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: GRP01

Group Description: 40 CFR 60, Subpart DD Sources

Sources included in this group

ID	Name
101	GRAIN RECEIVING/PROCESSING
102	WET GRAIN STORAGE BINS
103	GRAIN DRYER 1
105	GRAIN STORAGE BINS
106	GRAIN LOADOUT

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Grain elevator operations are subject to 40 CFR 60, Subpart DD—Standards of Performance for Grain Elevators and shall comply with all applicable requirements of the Subpart. 40 CFR 60.4(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director
United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system available through: https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the

SECTION E. Source Group Restrictions.

revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.302]

Subpart DD - Standards of Performance for Grain Elevators

Standard for particulate matter.

60.302(a) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any gases which exhibit greater than 0 percent opacity from any:

60.302(a)(1) [NA - COLUMN DRYERS HAVE PLATE PERFORATIONS < 0.094 INCH IN DIAMETER]

60.302(a)(2) [NA - NO RACK DRYERS]

60.302(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility except a grain dryer any process emission which: [STORAGE TANKS (102 & 105) ARE NOT SUBJECT TO OPACITY LIMITS UNDER SUBPART DD. TANKS ARE SUBJECT TO OPACITY LIMITS UNDER C 005]

60.302(b)(1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).

60.302(b)(2) Exhibits greater than 0 percent opacity.

60.302(c) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any fugitive emission from:

60.302(c)(1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.

60.302(c)(2) Any grain handling operation which exhibits greater than 0 percent opacity.

60.302(c)(3) Any truck loading station which exhibits greater than 10 percent opacity.

60.302(c)(4) [NA - NO BARGE OR SHIP LOADING STATIONS]

60.302(d) [NA - NO BARGE OR SHIP LOADING STATIONS]

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.303]

Subpart DD - Standards of Performance for Grain Elevators

Test methods and procedures.

60.303(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of this section.

60.303(b) The owner or operator shall determine compliance with the particulate matter standards in §60.302 as follows:

60.303(b)(1) Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters.

60.303(b)(2) Method 2 shall be used to determine the ventilation volumetric flow rate.

60.303(b)(3) Method 9 and the procedures in §60.11 shall be used to determine opacity.

60.303(c) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

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60.303(c)(1) For Method 5, Method 17 may be used.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.304]

Subpart DD - Standards of Performance for Grain Elevators

Modifications.

60.304(a) The factor 6.5 shall be used in place of "annual asset guidelines repair allowance percentage," to determine whether a capital expenditure as defined by §60.2 has been made to an existing facility.

60.304(b) The following physical changes or changes in the method of operation shall not by themselves be considered a modification of any existing facility:

60.304(b)(1) The addition of gravity loadout spouts to existing grain storage or grain transfer bins.

60.304(b)(2) The installation of automatic grain weighing scales.

60.304(b)(3) Replacement of motor and drive units driving existing grain handling equipment.

60.304(b)(4) The installation of permanent storage capacity with no increase in hourly grain handling capacity.

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: GRP02

Group Description: 40 CFR 63, Subpart GGGG Sources

Sources included in this group

ID	Name
201	SOYBEAN PREP PROCESS
202	BEAN CONDITIONING
203	FLAKING ROLLS
204	EXTRACTION PROCESS
205A	MEAL DRYER
205B	MEAL COOLER
206	MEAL GRINDING & SCREENING
207	MILL FEED (HULL) GRINDING
208	MEAL/MILL FEED STORAGE BINS
209	MEAL/MILL FEED LOADOUT TANK
210	MEAL LOADOUT AREA
211	SOYBEAN DAY TANKS
212	HEXANE STORAGE TANKS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Solvent extraction operations are subject to 40 CFR 63, Subpart GGGG— National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production and shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director

SECTION E. Source Group Restrictions.

United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system available through: https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

 # 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2832]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

Am I subject to this subpart?

63.2832(a) You are an affected source subject to this subpart if you meet all of the criteria listed in paragraphs (a)(1) and (2) of this section:

63.2832(a)(1) You own or operate a vegetable oil production process that is a major source of HAP emissions or is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.

63.2832(a)(1)(i) A vegetable oil production process is defined in § 63.2872. In general, it is the collection of continuous process equipment and activities that produce crude vegetable oil and meal products by removing oil from oilseeds listed in Table 1 to § 63.2840 through direct contact with an organic solvent, such as a hexane isomer blend.

63.2832(a)(1)(ii) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year.

63.2832(a)(2) Your vegetable oil production process processes any combination of eight types of oilseeds listed in paragraphs (a)(2)(i) through (viii) of this section:

63.2832(a)(2)(i) - (vi) [NA - DOES NOT PROCESS THE TYPE OF LISTED OILSEEDS]

63.2832(a)(2)(vii) Soybean; and

63.2832(a)(2)(viii) [NA - DOES NOT PROCESS SUNFLOWER SEEDS]

63.2832(b) You are not subject to this subpart if your vegetable oil production process meets any of the criteria listed in paragraphs (b)(1) through (4) of this section:

63.2832(b)(1) It uses only mechanical extraction techniques that use no organic solvent to remove oil from a listed oilseed.

63.2832(b)(2) It uses only batch solvent extraction and batch desolventizing equipment.

63.2832(b)(3) It processes only agricultural products that are not listed oilseeds as defined in § 63.2872.

63.2832(b)(4) It functions only as a research and development facility and is not a major source.

63.2832(c) [NA - ALREADY A MAJOR SOURCE OF HAP EMISSIONS]

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 # 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2833]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

Is my source categorized as existing or new?

63.2833(a) This subpart applies to each existing and new affected source. You must categorize your vegetable oil production process as either an existing or a new source in accordance with the criteria in Table 1 of this section, as follows:

Table 1 to § 63.2833—Categorizing Your Source as Existing or New

ITEM 6: If your affected source began construction on or after May 26, 2000, then your affected source is a new source

63.2833(b) [NA - SOURCE ALREADY CATEGORIZED AS A NEW SOURCE]

63.2833(c) [NA - SOURCE ALREADY CATEGORIZED AS A NEW SOURCE]

63.2833(d) Changes in the type of oilseed processed by your affected source does not affect the categorization of your source as new or existing. Recategorizing an affected source from existing to new occurs only when you add or modify process equipment within the source which meets the definition of reconstruction.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2834]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

When do I have to comply with the standards in this subpart?

[NA - COMPLIACE DATE HAS PASSED, FACILITY IS CLASSIFIED AS A NEW SOURCE]

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2840]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

What emission requirements must I meet?

For each facility meeting the applicability criteria in § 63.2832, you must comply with either the requirements specified in paragraphs (a) through (d), or the requirements in paragraph (e) of this section. You must also comply with the requirements in paragraph (g) of this section. You must comply with the work practice standard provided in paragraph (h) of this section, if you choose to operate your source under an initial startup period subject to § 63.2850(c)(2) or (d)(2).

63.2840(a)

63.2840(a)(1) The emission requirements limit the number of gallons of HAP lost per ton of listed oilseeds processed. For each operating month, as defined in § 63.2872, you must calculate a compliance ratio which compares your actual HAP loss to your allowable HAP loss for the previous 12 operating months as shown in Equation 1 of this section. Equation 1 of this section follows:

REFER TO REGULATION FOR EQUATION 1

63.2840(a)(2) Equation 1 of this section can also be expressed as a function of total solvent loss as shown in Equation 2 of this section. Equation 2 of this section follows:

REFER TO REGULATION FOR EQUATION 2

Where:

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

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

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

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

SLF = The corresponding solvent loss factor (gal/ton) for oilseed “i” listed in Table 1 of this section, as follows:

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TABLE 1 of § 63.2840—Oilseed Solvent Loss Factors for Determining Allowable HAP Loss

(ix) Soybean, conventional - 0.2 gal/ton

63.2840(b) When your source has processed listed oilseed for 12 operating months, calculate the compliance ratio by the end of each calendar month following an operating month, as defined in § 63.2872, using Equation 2 of this section. When calculating your compliance ratio, consider the conditions and exclusions in paragraphs (b)(1) through (6) of this section:

63.2840(b)(1) [Reserved]

63.2840(b)(2) The 12-month compliance ratio may include operating months occurring prior to a source shutdown and operating months that follow after the source resumes operation.

63.2840(b)(3) If your source shuts down and processes no listed oilseed for an entire calendar or accounting month, then you must categorize the month as a nonoperating month, as defined in § 63.2872. Exclude any nonoperating months from the compliance ratio determination.

63.2840(b)(4) If your source is subject to an initial startup period as defined in § 63.2872, you may exclude from the compliance ratio determination any solvent and oilseed information recorded for the initial startup period, provided you meet the work practice standard in § 63.2850(c)(2) or (d)(2).

63.2840(b)(5) Before September 15, 2020, if your source is subject to a malfunction period as defined in § 63.2872, exclude from the compliance ratio determination any solvent and oilseed information recorded for the malfunction period. The provisions of this paragraph (e) do not apply on and after September 15, 2020.

63.2840(b)(6) [NA - NOT PROCESSING COTTONSEED OR SPECIALTY SOYBEAN]

63.2840(c) If the compliance ratio is less than or equal to 1.00, your source was in compliance with the HAP emission requirements for the previous operating month.

63.2840(d) To determine the compliance ratio in Equation 2 of this section, you must select the appropriate oilseed solvent loss factor from Table 1 of this section. First, determine whether your source is new or existing using Table 1 of § 63.2833. Then, under the appropriate existing or new source column, select the oilseed solvent loss factor that corresponds to each type oilseed or process operation for each operating month.

63.2840(e) [NA - NOT USING LOW-HAP SOLVENT OPTION]

63.2840(f) You may change compliance options for your source if you submit a notice to the Administrator at least 60 days prior to changing compliance options. If your source changes from the low-HAP solvent option to the compliance ratio determination option, you must determine the compliance ratio for the most recent 12 operating months beginning with the first month after changing compliance options.

63.2840(g) On or after September 15, 2020, you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, at all times in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

63.2840(h) On and after September 15, 2020, you must meet the requirements in paragraphs (h)(1) through (3) of this section if you choose to operate your source under an initial startup period subject to § 63.2850(c)(2) or (d)(2).

63.2840(h)(1) You must operate the mineral oil absorption system at all times during the initial startup period unless doing so is not possible due to safety considerations;

63.2840(h)(2) You must operate the solvent condensers at all times during the initial startup period unless doing so is not

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possible due to safety considerations; and

63.2840(h)(3) You must follow site-specific operating limits, established according to the requirements in paragraphs (h)(3)(i) and (ii) of this section, for temperature and pressure for the desolventizing and oil distillation units associated with solvent recovery at all times, unless doing so is not possible due to safety considerations.

63.2840(h)(3)(i) Your site-specific operating limits may be based on equipment design, manufacturer's recommendations, or other site-specific operating values established for normal operating periods.

63.2840(h)(3)(ii) The operating limits may be in the form of a minimum, maximum, or operating range.

[66 FR 19011, Apr. 12, 2001, as amended at 69 FR 53341, Sept. 1, 2004; 85 FR 15626, Mar. 18, 2020]

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2850]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

How do I comply with the hazardous air pollutant emission standards?

63.2850(a) General requirements. The requirements in paragraphs (a)(1)(i) through (iv) of this section apply to all affected sources:

63.2850(a)(1) Submit the necessary notifications in accordance with § 63.2860, which include:

63.2850(e)(1)(i) [NA - SOURCE IS NEW]

63.2850(e)(1)(ii) Initial notifications for new and reconstructed sources.

63.2850(e)(1)(iii) Initial notifications for significant modifications to existing or new sources.

63.2850(e)(1)(iv) Notification of compliance status.

63.2850(a)(2) Develop and implement a plan for demonstrating compliance in accordance with § 63.2851.

63.2850(a)(3) Develop a written startup, shutdown and malfunction (SSM) plan in accordance with the provisions in § 63.2852. On and after September 15, 2020, an SSM plan is not required.

63.2850(a)(4) Maintain all the necessary records you have used to demonstrate compliance with this subpart in accordance with § 63.2862.

63.2850(a)(5) Submit the reports in paragraphs (a)(5)(i) through (iv) of this section, as applicable:

63.2850(a)(5)(i) Annual compliance certifications in accordance with § 63.2861(a).

63.2850(a)(5)(ii) Periodic SSM reports in accordance with § 63.2861(c).

63.2850(a)(5)(iii) Immediate SSM reports in accordance with § 63.2861(d).

63.2850(a)(5)(iv) Initial startup period reports in accordance with § 63.2861(e).

63.2850(a)(6) Submit all notifications and reports and maintain all records required by the General Provisions for performance testing if you add a control device that destroys solvent.

63.2850(b) [NA - SOURCE IS NEW]

63.2850(c) New sources. Your new source, including a source that is categorized as new due to reconstruction, must meet the requirements associated with one of two compliance options. Within 15 days of the startup date, you must choose to comply with one of the options listed in paragraph (c)(1) or (2) of this section:

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63.2850(c)(1) Normal operation. Upon initial startup of your new source, you must meet all of the requirements listed in § 63.2850(a) and Table 1 of this section for sources under normal operation, and the schedules for demonstrating compliance for new sources under normal operation in Table 2 of this section.

63.2850(c)(2) Initial startup period. For up to 6 calendar months after the startup date of your new source, you must meet all of the requirements listed in paragraph (a) of this section and Table 1 of this section for sources operating under an initial startup period, and the schedules for demonstrating compliance for new sources operating under an initial startup period in Table 2 of this section. On and after September 15, 2020, you must also comply with the work practice standard in § 63.2840(h) for the duration of the initial startup period. At the end of the initial startup period (as defined in § 63.2872), your new source must then meet all of the requirements listed in Table 1 of this section for sources under normal operation.

63.2850(d) [NA - SOURCE IS NOT BEING SIGNIFICANTLY MODIFIED]

63.2850(e) Existing or new sources experiencing a malfunction. A malfunction is defined in § 63.2. In general, it means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to function in a normal or usual manner. If your existing or new source experiences an unscheduled shutdown as a result of a malfunction, continues to operate during a malfunction (including the period reasonably necessary to correct the malfunction), or starts up after a shutdown resulting from a malfunction, then you must meet the requirements associated with one of two compliance options. Routine or scheduled process startups and shutdowns resulting from, but not limited to, market demands, maintenance activities, and switching types of oilseed processed, are not startups or shutdowns resulting from a malfunction and, therefore, do not qualify for this provision. Within 15 days of the beginning date of the malfunction, you must choose to comply with one of the options listed in paragraphs (e)(1) and (2) of this section. The provisions of this paragraph (e) do not apply on and after September 15, 2020.

63.2850(e)(1) Normal operation. Your source must meet all of the requirements listed in paragraph (a) of this section and one of the options listed in paragraphs (e)(1)(i) through (iii) of this section:

63.2850(e)(1)(i) [NA - SOURCE IS NEW]

63.2850(e)(1)(ii) New source normal operation requirements in paragraph (c)(1) of this section.

63.2850(e)(1)(iii) [NA - SOURCE HAS NOT BEEN SIGNIFICATLY MODIFIED]

63.2850(e)(2) Malfunction period. Throughout the malfunction period, you must meet all of the requirements listed in paragraph (a) of this section and Table 1 of this section for sources operating during a malfunction period. At the end of the malfunction period, your source must then meet all of the requirements listed in Table 1 of this section for sources under normal operation. Table 1 of this section follows:

Table 1 of § 63.2850—Requirements for Compliance with HAP Emission Standards - INCORPORATED BY REFERENCE

Table 2 of § 63.2850—Schedules for Demonstrating Compliance Under Various Source Operating Modes - INCORPORATED BY REFERENCE

[66 FR 19011, Apr. 12, 2001, as amended at 71 FR 20463, Apr. 20, 2006; 85 FR 15627, Mar. 18, 2020]

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2851]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

What is a plan for demonstrating compliance?

63.2851(a) You must develop and implement a written plan for demonstrating compliance that provides the detailed procedures you will follow to monitor and record data necessary for demonstrating compliance with this subpart. Procedures followed for quantifying solvent loss from the source and amount of oilseed processed vary from source to source because of site-specific factors such as equipment design characteristics and operating conditions. Typical procedures include one or more accurate measurement methods such as weigh scales, volumetric displacement, and material mass balances. Because the industry does not have a uniform set of procedures, you must develop and implement your own site-specific plan for demonstrating compliance before the compliance date for your source. You must also incorporate the plan for demonstrating compliance by reference in the source's title V permit and keep the plan on-site

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and readily available as long as the source is operational. If you make any changes to the plan for demonstrating compliance, then you must keep all previous versions of the plan and make them readily available for inspection for at least 5 years after each revision. The plan for demonstrating compliance must include the items in paragraphs (a)(1) through (8) of this section:

63.2851(a)(1) The name and address of the owner or operator.

63.2851(a)(2) The physical address of the vegetable oil production process.

63.2851(a)(3) A detailed description of all methods of measurement your source will use to determine your solvent losses, HAP content of solvent, and the tons of each type of oilseed processed.

63.2851(a)(4) When each measurement will be made.

63.2851(a)(5) Examples of each calculation you will use to determine your compliance status. Include examples of how you will convert data measured with one parameter to other terms for use in compliance determination.

63.2851(a)(6) Example logs of how data will be recorded.

63.2851(a)(7) A plan to ensure that the data continue to meet compliance demonstration needs.

63.2851(a)(8) On and after September 15, 2020, if you choose to operate your source under an initial start-up period subject to § 63.2850(c)(2) or (d)(2), the items in paragraphs (c)(8)(i) and (ii) of this section:

63.2851(a)(8)(i) Your site-specific operating limits, and their basis, for temperature and pressure for the desolventizing and oil distillation units associated with solvent recovery.

63.2851(a)(8)(ii) A detailed description of all methods of measurement your source will use to measure temperature and pressure, including the measurement frequency.

63.2851(b) The responsible agency of these NESHAP may require you to revise your plan for demonstrating compliance. The responsible agency may require reasonable revisions if the procedures lack detail, are inconsistent or do not accurately determine solvent loss, HAP content of the solvent, or the tons of oilseed processed.

[66 FR 19011, Apr. 12, 2001, as amended at 85 FR 15629, Mar. 18, 2020]

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2852]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

What is a startup, shutdown, and malfunction plan?

Before September 15, 2020, you must develop a written SSM plan in accordance with § 63.6(e)(3). You must complete the SSM plan before the compliance date for your source. You must also keep the SSM plan on-site and readily available as long as the source is operational. The SSM plan provides detailed procedures for operating and maintaining your source to minimize emissions during a qualifying SSM event for which the source chooses the § 63.2850(e)(2) malfunction period, or the § 63.2850(c)(2) or (d)(2) initial startup period. The SSM plan must specify a program of corrective action for malfunctioning process and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions. Some or all of the procedures may come from plans you developed for other purposes such as a Standard Operating Procedure manual or an Occupational Safety and Health Administration Process Safety Management plan. To qualify as a SSM plan, other such plans must meet all the applicable requirements of these NESHAP. The provisions of this section do not apply on and after September 15, 2020.

[85 FR 15629, Mar. 18, 2020]

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2853]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

How do I determine the actual solvent loss?

By the end of each calendar month following an operating month, you must determine the total solvent loss in gallons for

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the previous operating month. The total solvent loss for an operating month includes all solvent losses that occur during normal operating periods within the operating month. If you have determined solvent losses for 12 or more operating months, then you must also determine the 12 operating months rolling sum of actual solvent loss in gallons by summing the monthly actual solvent loss for the previous 12 operating months. The 12 operating months rolling sum of solvent loss is the "actual solvent loss," which is used to calculate your compliance ratio as described in § 63.2840.

63.2853(a) To determine the actual solvent loss from your source, follow the procedures in your plan for demonstrating compliance to determine the items in paragraphs (a)(1) through (7) of this section:

63.2853(a)(1) The dates that define each operating status period during a calendar month. The dates that define each operating status period include the beginning date of each calendar month and the date of any change in the source operating status. If the source maintains the same operating status during an entire calendar month, these dates are the beginning and ending dates of the calendar month. If, prior to the effective date of this rule, your source determines the solvent loss on an accounting month, as defined in § 63.2872, rather than a calendar month basis, and you have 12 complete accounting months of approximately equal duration in a calendar year, you may substitute the accounting month time interval for the calendar month time interval. If you choose to use an accounting month rather than a calendar month, you must document this measurement frequency selection in your plan for demonstrating compliance, and you must remain on this schedule unless you request and receive written approval from the agency responsible for these NESHAP.

63.2853(a)(2) Source operating status. You must categorize the operating status of your source for each recorded time interval in accordance with criteria in Table 1 or Table 2 of this section, as follows:

Table 1 of § 63.2853—Categorizing Your Source Operating Status Before September 15, 2020

(i) Your source processes any amount of listed oilseed and source is not operating under an initial startup operating period or a malfunction period subject to § 63.2850(c)(2), (d)(2), or (e)(2)
Then your source operating status is: A normal operating period.

(ii) Your source processes no agricultural product and your source is not operating under an initial startup period or malfunction period subject to § 63.2850(c)(2), (d)(2), or (e)(2)
Then your source operating status is: A nonoperating period.

(iii) You choose to operate your source under an initial startup period subject to § 63.2850(c)(2) or (d)(2)
Then your source operating status is: An initial startup period.

(iv) You choose to operate your source under a malfunction period subject to § 63.2850(e)(2)
Then your source operating status is: A malfunction period.

(v) Your source processes agricultural products not defined as listed oilseed
Then your source operating status is: An exempt period.

Table 2 of § 63.2853—Categorizing Your Source Operating Status On and After September 15, 2020

(vi) Your source processes any amount of listed oilseed and source is not operating under an initial startup operating period subject to § 63.2850(c)(2) or (d)(2)
Then your source operating status is:A normal operating period.

(vii) Your source processes no agricultural product and your source is not operating under an initial startup period subject to § 63.2850(c)(2) or (d)(2)
Then your source operating status is: A nonoperating period.

(viii) You choose to operate your source under an initial startup period subject to § 63.2850(c)(2) or (d)(2)
Then your source operating status is: An initial startup period.

(ix) Your source processes agricultural products not defined as listed oilseed
Then your source operating status is: An exempt period.

63.2853(a)(3) Measuring the beginning and ending solvent inventory. You are required to measure and record the solvent inventory on the beginning and ending dates of each normal operating period that occurs during an operating month. You

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must consistently follow the procedures described in your plan for demonstrating compliance, as specified in § 63.2851, to determine the extraction solvent inventory, and maintain readily available records of the actual solvent loss inventory, as described in § 63.2862(c)(1). In general, you must measure and record the solvent inventory only when the source is actively processing any type of agricultural product. When the source is not active, some or all of the solvent working capacity is transferred to solvent storage tanks which can artificially inflate the solvent inventory.

63.2853(a)(4) Gallons of extraction solvent received. Record the total gallons of extraction solvent received in each shipment. For most processes, the gallons of solvent received represents purchases of delivered solvent added to the solvent storage inventory. However, if your process refines additional vegetable oil from off-site sources, recovers solvent from the off-site oil, and adds it to the on-site solvent inventory, then you must determine the quantity of recovered solvent and include it in the gallons of extraction solvent received.

63.2853(a)(5) Solvent inventory adjustments. In some situations, solvent losses determined directly from the measured solvent inventory and quantity of solvent received is not an accurate estimate of the “actual solvent loss” for use in determining compliance ratios. In such cases, you may adjust the total solvent loss for each normal operating period as long as you provide a reasonable justification for the adjustment. Situations that may require adjustments of the total solvent loss include, but are not limited to, situations in paragraphs (a)(5)(i) and (ii) of this section:

63.2853(a)(5)(i) [NA - FACILITY DOES NOT OPERATE DESTRUCTIVE CONTROL DEVICE]

63.2853(a)(5)(ii) Changes in solvent working capacity. In records you keep on-site, document any process modifications resulting in changes to the solvent working capacity in your vegetable oil production process. Solvent working capacity is defined in § 63.2872. In general, solvent working capacity is the volume of solvent normally retained in solvent recovery equipment such as the extractor, desolventizer-toaster, solvent storage, working tanks, mineral oil absorber, condensers, and oil/solvent distillation system. If the change occurs during a normal operating period, you must determine the difference in working solvent volume and make a one-time documented adjustment to the solvent inventory.

63.2853(b) Use Equation 1 of this section to determine the actual solvent loss occurring from your affected source for all normal operating periods recorded within a calendar month. Equation 1 of this section follows:

REFER TO REGULATION FOR EQUATION 1

Where:
SOLVB= Gallons of solvent in the inventory at the beginning of normal operating period “i”as determined in paragraph(a)(3) of this section.
SOLVE= Gallons of solvent in the inventory at the end of normal operating period “i”as determined in paragraph(a)(3) of this section.
SOLVR= Gallons of solvent received between the beginning and ending inventory dates of normal operating period “i” as determined in paragraph (a)(4) of this section.
SOLVA= Gallons of solvent added or removed from the extraction solvent inventory during normal operating period “i” as determined in paragraph (a)(5) of this section.
n = Number of normal operating periods in a calendar month.

63.2853(c) The actual solvent loss is the total solvent losses during normal operating periods for the previous 12 operating months. You determine your actual solvent loss by summing the monthly actual solvent losses for the previous 12 operating months. You must record the actual solvent loss by the end of each calendar month following an operating month. Use the actual solvent loss in Equation 2 of § 63.2840 to determine the compliance ratio. Actual solvent loss does not include losses that occur during operating status periods listed in paragraphs (c)(1) through (4) of this section. If any one of these four operating status periods span an entire month, then the month is treated as nonoperating and there is no compliance ratio determination.

63.2853(c)(1) Nonoperating periods as described in paragraph (a)(2) of this section.

63.2853(c)(2) Initial startup periods as described in § 63.2850(c)(2) or (d)(2).

63.2853(c)(3) Before September 15, 2020, malfunction periods as described in § 63.2850(e)(2).

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63.2853(c)(4) Exempt operation periods as described in paragraph (a)(2) of this section.

[66 FR 19011, Apr. 12, 2001, as amended at 85 FR 15629, Mar. 18, 2020]

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2854]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

How do I determine the weighted average volume fraction of HAP in the actual solvent loss?

63.2854(a) This section describes the information and procedures you must use to determine the weighted average volume fraction of HAP in extraction solvent received for use in your vegetable oil production process. By the end of each calendar month following an operating month, determine the weighted average volume fraction of HAP in extraction solvent received since the end of the previous operating month. If you have determined the monthly weighted average volume fraction of HAP in solvent received for 12 or more operating months, then also determine an overall weighted average volume fraction of HAP in solvent received for the previous 12 operating months. Use the volume fraction of HAP determined as a 12 operating months weighted average in Equation 2 of § 63.2840 to determine the compliance ratio.

63.2854(b) To determine the volume fraction of HAP in the extraction solvent determined as a 12 operating months weighted average, you must comply with paragraphs (b)(1) through (3) of this section:

63.2854(b)(1) Record the volume fraction of each HAP comprising more than 1 percent by volume of the solvent in each delivery of solvent, including solvent recovered from off-site oil. To determine the HAP content of the material in each delivery of solvent, the reference method is EPA Method 311 of appendix A of this part. You may use EPA Method 311, an approved alternative method, or any other reasonable means for determining the HAP content. Other reasonable means of determining HAP content include, but are not limited to, a material safety data sheet or a manufacturer's certificate of analysis. A certificate of analysis is a legal and binding document provided by a solvent manufacturer. The purpose of a certificate of analysis is to list the test methods and analytical results that determine chemical properties of the solvent and the volume percentage of all HAP components present in the solvent at quantities greater than 1 percent by volume. You are not required to test the materials that you use, but the Administrator may require a test using EPA Method 311 (or an approved alternative method) to confirm the reported HAP content. However, if the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations.

63.2854(b)(2) Determine the weighted average volume fraction of HAP in the extraction solvent each operating month. The weighted average volume fraction of HAP for an operating month includes all solvent received since the end of the last operating month, regardless of the operating status at the time of the delivery. Determine the monthly weighted average volume fraction of HAP by summing the products of the HAP volume fraction of each delivery and the volume of each delivery and dividing the sum by the total volume of all deliveries as expressed in Equation 1 of this section. Record the result by the end of each calendar month following an operating month. Equation 1 of this section follows:

REFER TO REGULATION FOR EQUATION 1

Where:

Receivedi= Gallons of extraction solvent received in delivery “i.”
Contenti= 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)(3) Determine the volume fraction of HAP in your extraction solvent as a 12 operating months weighted average. When your source has processed oilseed for 12 operating months, sum the products of the monthly weighted average HAP volume fraction and corresponding volume of solvent received, and divide the sum by the total volume of solvent received for the 12 operating months, as expressed by Equation 2 of this section. Record the result by the end of each calendar month following an operating month and use it in Equation 2 of § 63.2840 to determine the compliance ratio. Equation 2 of this section follows:

REFER TO REGULATION FOR EQUATION 2

Where:

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Receivedi= Gallons of extraction solvent received in operating month “i”as determined in accordance with § 63.2853(a)(4).

Contenti= Average volume fraction of HAP in extraction solvent received in operating month “i” as determined in accordance with paragraph (b)(1) of this section.

Total Received = Total gallons of extraction solvent received during the previous 12 operating months.

 # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2855]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

How do I determine the quantity of oilseed processed?

All oilseed measurements must be determined on an as received basis, as defined in § 63.2872. The as received basis refers to the oilseed chemical and physical characteristics as initially received by the source and prior to any oilseed handling and processing. By the end of each calendar month following an operating month, you must determine the tons as received of each listed oilseed processed for the operating month. The total oilseed processed for an operating month includes the total of each oilseed processed during all normal operating periods that occur within the operating month. If you have determined the tons of oilseed processed for 12 or more operating months, then you must also determine the 12 operating months rolling sum of each type oilseed processed by summing the tons of each type of oilseed processed for the previous 12 operating months. The 12 operating months rolling sum of each type of oilseed processed is used to calculate the compliance ratio as described in § 63.2840.

63.2855(a) To determine the tons as received of each type of oilseed processed at your source, follow the procedures in your plan for demonstrating compliance to determine the items in paragraphs (a)(1) through (5) of this section:

63.2855(a)(1) The dates that define each operating status period. The dates that define each operating status period include the beginning date of each calendar month and the date of any change in the source operating status. If, prior to the effective date of this rule, your source determines the oilseed inventory on an accounting month rather than a calendar month basis, and you have 12 complete accounting months of approximately equal duration in a calendar year, you may substitute the accounting month time interval for the calendar month time interval. If you choose to use an accounting month rather than a calendar month, you must document this measurement frequency selection in your plan for demonstrating compliance, and you must remain on this schedule unless you request and receive written approval from the agency responsible for these NESHAP. The dates on each oilseed inventory log must be consistent with the dates recorded for the solvent inventory.

63.2855(a)(2) Source operating status. You must categorize the source operation for each recorded time interval. The source operating status for each time interval recorded on the oilseed inventory for each type of oilseed must be consistent with the operating status recorded on the solvent inventory logs as described in § 63.2853(a)(2).

63.2855(a)(3) Measuring the beginning and ending inventory for each oilseed. You are required to measure and record the oilseed inventory on the beginning and ending dates of each normal operating period that occurs during an operating month. You must consistently follow the procedures described in your plan for demonstrating compliance, as specified in § 63.2851, to determine the oilseed inventory on an as received basis and maintain readily available records of the oilseed inventory as described by § 63.2862(c)(3).

63.2855(a)(4) Tons of each oilseed received. Record the type of oilseed and tons of each shipment of oilseed received and added to your on-site storage.

63.2855(a)(5) Oilseed inventory adjustments. In some situations, determining the quantity of oilseed processed directly from the measured oilseed inventory and quantity of oilseed received is not an accurate estimate of the tons of oilseed processed for use in determining compliance ratios. For example, spoiled and molded oilseed removed from storage but not processed by your source will result in an overestimate of the quantity of oilseed processed. In such cases, you must adjust the oilseed inventory and provide a justification for the adjustment. Situations that may require oilseed inventory adjustments include, but are not limited to, the situations listed in paragraphs (a)(5)(i) through (v) of this section:

63.2855(a)(5)(i) Oilseed that molds or otherwise become unsuitable for processing.

63.2855(a)(5)(ii) Oilseed you sell before it enters the processing operation.

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63.2855(a)(5)(iii) Oilseed destroyed by an event such as a process malfunction, fire, or natural disaster.

63.2855(a)(5)(iv) Oilseed processed through operations prior to solvent extraction such as screening, dehulling, cracking, drying, and conditioning; but that are not routed to the solvent extractor for further processing.

63.2855(a)(5)(v) Periodic physical measurements of inventory. For example, some sources periodically empty oilseed storage silos to physically measure the current oilseed inventory. This periodic measurement procedure typically results in a small inventory correction. The correction factor, usually less than 1 percent, may be used to make an adjustment to the source's oilseed inventory that was estimated previously with indirect measurement techniques. To make this adjustment, your plan for demonstrating compliance must provide for such an adjustment.

63.2855(b) Use Equation 1 of this section to determine the quantity of each oilseed type processed at your affected source during normal operating periods recorded within a calendar month. Equation 1 of this section follows:

REFER TO REGULATION FOR EQUATION 1

Where:
SEEDB= Tons of oilseed in the inventory at the beginning of normal operating period “i”as determined in accordance with paragraph (a)(3) of this section.
SEEDE= Tons of oilseed in the inventory at the end of normal operating period “i”as determined in accordance with paragraph (a)(3) of this section.
SEEDR= Tons of oilseed received during normal operating period “i”as determined in accordance with paragraph (a)(4) of this section.
SEEDA= Tons of oilseed added or removed from the oilseed inventory during normal operating period “i” as determined in accordance with paragraph (a)(5) of this section.
n = Number of normal operating periods in the calendar month during which this type oilseed was processed.

63.2855(c) The quantity of each oilseed processed is the total tons of each type of listed oilseed processed during normal operating periods in the previous 12 operating months. You determine the tons of each oilseed processed by summing the monthly quantity of each oilseed processed for the previous 12 operating months. You must record the 12 operating months quantity of each type of oilseed processed by the end of each calendar month following an operating month. Use the 12 operating months quantity of each type of oilseed processed to determine the compliance ratio as described in § 63.2840. The quantity of oilseed processed does not include oilseed processed during the operating status periods in paragraphs (c)(1) through (4) of this section:

63.2855(c)(1) Nonoperating periods as described in § 63.2853 (a)(2)(ii).

63.2855(c)(2) Initial startup periods as described in § 63.2850(c)(2) or (d)(2).

63.2855(c)(3) Before September 15, 2020, malfunction periods as described in § 63.2850(e)(2).

63.2855(c)(4) Exempt operation periods as described in § 63.2853 (a)(2)(v).

63.2855(c)(5) If any one of these four operating status periods span an entire calendar month, then the calendar month is treated as a nonoperating month and there is no compliance ratio determination.

[66 FR 19011, Apr. 12, 2001, as amended at 85 FR 15630, Mar. 18, 2020]

 # 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2860]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

What notifications must I submit and when?

You must submit the one-time notifications listed in paragraphs (a) through (d) of this section to the responsible agency:

63.2860(a) [NA - SOURCE IS NEW]

63.2860(b) Initial notifications for new and reconstructed sources. New or reconstructed sources must submit a series of

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notifications before, during, and after source construction per the schedule listed in § 63.9. The information requirements for the notifications are the same as those listed in the General Provisions with the exceptions listed in paragraphs (b)(1) and (2) of this section:

63.2860(b)(1) The application for approval of construction does not require the specific HAP emission data required in § 63.5(d)(1)(ii)(H) and (iii), (d)(2) and (d)(3)(ii). The application for approval of construction would include, instead, a brief description of the source including the types of listed oilseeds processed, nominal operating capacity, and type of desolventizer(s) used.

63.2860(b)(2) The notification of actual startup date must also include whether you have elected to operate under an initial startup period subject to § 63.2850(c)(2) and provide an estimate and justification for the anticipated duration of the initial startup period.

63.2860(c) Significant modification notifications. Any existing or new source that plans to undergo a significant modification as defined in § 63.2872 must submit two reports as described in paragraphs (c)(1) and (2) of this section:

63.2860(c)(1) Initial notification. You must submit an initial notification to the agency responsible for these NESHAP 30 days prior to initial startup of the significantly modified source. The initial notification must demonstrate that the proposed changes qualify as a significant modification. The initial notification must include the items in paragraphs (c)(1)(i) and (ii) of this section:

63.2860(c)(1)(i) The expected startup date of the modified source.

63.2860(c)(1)(ii) A description of the significant modification including a list of the equipment that will be replaced or modified. If the significant modification involves changes other than adding or replacing extractors, desolventizer-toasters (conventional and specialty), and meal dryer-coolers, then you must also include the fixed capital cost of the new components, expressed as a percentage of the fixed capital cost to build a comparable new vegetable oil production process; supporting documentation for the cost estimate; and documentation that the proposed changes will significantly affect solvent losses.

63.2860(c)(2) Notification of actual startup. You must submit a notification of actual startup date within 15 days after initial startup of the modified source. The notification must include the items in paragraphs (c)(2)(i) through (iv) of this section:

63.2860(c)(2)(i) The initial startup date of the modified source.

63.2860(c)(2)(ii) An indication whether you have elected to operate under an initial startup period subject to § 63.2850(d)(2).

63.2860(c)(2)(iii) The anticipated duration of any initial startup period.

63.2860(c)(2)(iv) A justification for the anticipated duration of any initial startup period.

63.2860(d) Notification of compliance status. As an existing, new, or reconstructed source, you must submit a notification of compliance status report to the responsible agency no later than 60 days after determining your initial 12 operating months compliance ratio. If you are an existing source, you generally must submit this notification no later than 50 calendar months after the effective date of these NESHAP (36 calendar months for compliance, 12 operating months to record data, and 2 calendar months to complete the report). If you are a new or reconstructed source, the notification of compliance status is generally due no later than 20 calendar months after initial startup (6 calendar months for the initial startup period, 12 operating months to record data, and 2 calendar months to complete the report). The notification of compliance status must contain the items in paragraphs (d)(1) through (6) of this section:

63.2860(d)(1) The name and address of the owner or operator.

63.2860(d)(2) The physical address of the vegetable oil production process.

63.2860(d)(3) Each listed oilseed type processed during the previous 12 operating months.

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63.2860(d)(4) Each HAP identified under § 63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 operating months period used for the initial compliance determination.

63.2860(d)(5) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source.

63.2860(d)(6) A compliance certification indicating whether the source complied with all of the requirements of this subpart throughout the 12 operating months used for the initial source compliance determination. This certification must include a certification of the items in paragraphs (d)(6)(i) through (iii) of this section:

63.2860(d)(6)(i) The plan for demonstrating compliance (as described in § 63.2851) and SSM plan (as described in § 63.2852) are complete and available on-site for inspection.

63.2860(d)(6)(ii) You are following the procedures described in the plan for demonstrating compliance.

63.2860(d)(6)(iii) The compliance ratio is less than or equal to 1.00.

[66 FR 19011, Apr. 12, 2001, as amended at 85 FR 73904, Nov. 19, 2020]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2861]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

What reports must I submit and when?

After the initial notifications, you must submit the reports in paragraphs (a) through (d) of this section to the agency responsible for these NESHAP at the appropriate time intervals:

63.2861(a) Annual compliance certifications. The first annual compliance certification is due 12 calendar months after you submit the notification of compliance status. Each subsequent annual compliance certification is due 12 calendar months after the previous annual compliance certification. The annual 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. Include the information in paragraphs (a)(1) through (6) of this section in the annual certification:

63.2861(a)(1) The name and address of the owner or operator.

63.2861(a)(2) The physical address of the vegetable oil production process.

63.2861(a)(3) Each listed oilseed type processed during the 12 calendar months period covered by the report.

63.2861(a)(4) Each HAP identified under § 63.2854(a) as being 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.

63.2861(a)(5) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source.

63.2861(a)(6) 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. For each such compliance determination, you must include a certification of the items in paragraphs (a)(6)(i) through (ii) of this section:

63.2861(a)(6)(i) You are following the procedures described in the plan for demonstrating compliance.

63.2861(a)(6)(ii) The compliance ratio is less than or equal to 1.00.

63.2861(b) Deviation notification report. Submit a deviation report for each compliance determination you make in which the compliance ratio exceeds 1.00 as determined under § 63.2840(c) or if you deviate from the work practice standard for an

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initial startup period subject to § 63.2850(c)(2) or (d)(2). Submit the deviation report by the end of the month following the calendar month in which you determined the deviation. The deviation notification report must include the items in paragraphs (b)(1) through (7) of this section if you exceed the compliance ratio, and must include the items in paragraphs (b)(1), (2), and (5) through (8) of this section if you deviate from the work practice standard:

63.2861(b)(1) The name and address of the owner or operator.

63.2861(b)(2) The physical address of the vegetable oil production process.

63.2861(b)(3) Each listed oilseed type processed during the 12 operating months period for which you determined the deviation.

63.2861(b)(4) The compliance ratio comprising the deviation. You may reduce the frequency of submittal of the deviation notification report if the agency responsible for these NESHAP does not object as provided in § 63.10(e)(3)(iii).

63.2861(b)(5) Beginning on September 15, 2020, the number of deviations and for each deviation the date and duration of each deviation. Flag and provide an explanation for any deviation from the compliance ratio for which a deviation report is being submitted for more than one consecutive month (i.e., include a reference to the original date and reporting of the deviation). If the explanation provides that corrective actions have returned the affected unit(s) to its normal operation, you are not required to include the items in paragraphs (b)(6) and (7) of this section.

63.2861(b)(6) Beginning on September 15, 2020, a statement of the cause of each deviation (including unknown cause, if applicable).

63.2861(b)(7) Beginning on September 15, 2020, for each deviation, a list of the affected sources or equipment, an estimate of the quantity of HAP emitted over the emission requirements of § 63.2840, and a description of the method used to estimate the emissions.

63.2861(b)(8) A description of the deviation from the work practice standard during the initial startup period, including the records of § 63.2862(f) for the deviation.

63.2861(c) Periodic startup, shutdown, and malfunction report. Before September 15, 2020, if you choose to operate your source under an initial startup period subject to § 63.2850(c)(2) or (d)(2) or a malfunction period subject to § 63.2850(e)(2), you must submit a periodic SSM report by the end of the calendar month following each month in which the initial startup period or malfunction period occurred. The periodic SSM report must include the items in paragraphs (c)(1) through (3) of this section. The provisions of this paragraph (c) do not apply on and after September 15, 2020.

63.2861(c)(1) The name, title, and signature of a source's responsible official who is certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the SSM plan.

63.2861(c)(2) 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 period or malfunction period.

63.2861(c)(3) An estimate of the solvent loss during the initial startup or malfunction period with supporting documentation.

63.2861(d) Immediate SSM reports. Before September 15, 2020, if you handle a SSM during an initial startup period subject to § 63.2850(c)(2) or (d)(2) or a malfunction period subject to § 63.2850(e)(2) differently from procedures in the SSM plan and the relevant emission requirements in § 63.2840 are exceeded, then you must submit an immediate SSM report. Immediate SSM reports consist of a telephone call or facsimile transmission to the responsible agency 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 items in paragraphs (d)(1) through (3) of this section. The provisions of this paragraph (d) do not apply on and after September 15, 2020.

63.2861(d)(1) The name, title, and signature of a source's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM plan.

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63.2861(d)(2) A description and date of the SSM event, its duration, and reason it qualifies as a SSM.

63.2861(d)(3) An estimate of the solvent loss for the duration of the SSM event with supporting documentation.

63.2861(e) Initial startup period reports. If you choose to operate your source under an initial startup period subject to § 63.2850(c)(2) or (d)(2) on and after September 15, 2020, you must submit an initial startup period report within 30 days after the initial startup period ends. The report must include the items in paragraphs (e)(1) through (3) of this section.

63.2861(e)(1) The name and address of the owner or operator.

63.2861(e)(2) The physical address of the vegetable oil production process.

63.2861(e)(3) A compliance certification indicating whether the source was in compliance with the work practice standard of § 63.2840(h).

63.2861(f) Performance tests. On and after September 15, 2020, if you conduct performance tests to determine solvent flow rate to a control device or destruction efficiency of a control device according to the requirements of § 63.2853(a)(5)(i), within 60 days after the date of completing each performance test, you must submit the results of the performance test following the procedures specified in paragraphs (f)(1) and (2) of this section.

63.2861(f)(1) Data collected using test methods supported by EPA's Electronic Reporting Tool (ERT) as listed on EPA's ERT website (https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert) at the time of the test. Submit the results of the performance test to EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). The data must be submitted in a file format generated through the use of EPA's ERT. Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on EPA's ERT website.

63.2861(f)(2) Data collected using test methods that are not supported by EPA's ERT as listed on EPA's ERT website at the time of the test. The results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on EPA's ERT website. Submit the ERT generated package or alternative file to EPA via CEDRI.

63.2861(f)(3) Confidential business information (CBI). If you claim some of the information submitted under paragraph (f) or (g) of this section is CBI, you must submit a complete file, including information claimed to be CBI, to EPA. The file must be generated through the use of EPA's ERT or an alternate electronic file consistent with the XML schema listed on EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to EPA via EPA's CDX as described in paragraph (f)(1) of this section.

63.2861(g) Submitting reports electronically. On and after September 15, 2020, you must submit the initial notification required in § 63.2860(b) and the annual compliance certification, deviation report, and initial startup report required in § 63.2861(a), (b), and (e) to the EPA via CEDRI, which can be accessed through the EPA's CDX (https://cdx.epa.gov). The owner or operator must upload to CEDRI an electronic copy of each applicable notification in portable document format (PDF). The applicable notification must be submitted by the deadline specified in this subpart, regardless of the method in which the reports are submitted. You must use the appropriate electronic report template on the CEDRI website (https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri) for this subpart. The date report templates become available will be listed on the CEDRI website. The report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted. If you claim some of the information required to be submitted via CEDRI is CBI, submit a complete report, including information claimed to be CBI, to EPA. The report must be generated using the appropriate form on the CEDRI website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to EPA via EPA's CDX as described earlier in this paragraph.

63.2861(h) Claims of EPA system outage. If you are required to electronically submit a report through CEDRI in EPA's CDX,

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you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (h)(1) through (7) of this section.

63.2861(h)(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either EPA's CEDRI or CDX systems.

63.2861(h)(2) The outage must have occurred within the period of time beginning five business days prior to the date that the submission is due.

63.2861(h)(3) The outage may be planned or unplanned.

63.2861(h)(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

63.2861(h)(5) You must provide to the Administrator a written description identifying:

63.2861(h)(5)(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

63.2861(h)(5)(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

63.2861(h)(5)(iii) Measures taken or to be taken to minimize the delay in reporting; and

63.2861(h)(5)(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

63.2861(h)(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

63.2861(h)(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

63.2861(i) Claims of force majeure. If you are required to electronically submit a report through CEDRI in EPA's CDX, you may assert a claim of force majeure for failure to timely comply with the reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (i)(1) through (5) of this section.

63.2861(i)(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

63.2861(i)(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

63.2861(i)(3) You must provide to the Administrator:

63.2861(i)(3)(i) A written description of the force majeure event;

63.2861(i)(3)(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

63.2861(i)(3)(iii) Measures taken or to be taken to minimize the delay in reporting; and

63.2861(i)(3)(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

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63.2861(i)(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

63.2861(i)(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

[66 FR 19011, Apr. 12, 2001, as amended at 67 FR 16321, Apr. 5, 2002; 85 FR 15630, Mar. 18, 2020]

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2862]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

What records must I keep?

63.2862(a) You must satisfy the recordkeeping requirements of this section by the compliance date for your source specified in Table 1 of § 63.2834.

63.2862(b) Before September 15, 2020, prepare a plan for demonstrating compliance (as described in § 63.2851) and a SSM plan (as described in § 63.2852). In these two plans, describe the procedures you will follow in obtaining and recording data, and determining compliance under normal operations or a SSM subject to the § 63.2850(c)(2) or (d)(2) initial startup period or the § 63.2850(e)(2) malfunction period. Complete both plans before the compliance date for your source and keep them on-site and readily available as long as the source is operational. On and after September 15, 2020, the requirement to prepare a SSM plan no longer applies, and the plan for demonstrating compliance must only describe the procedures you develop according to the requirements of § 63.2851.

63.2862(c) If your source processes any listed oilseed, record the items in paragraphs (c)(1) through (3) of this section:

63.2862(c)(1) For the solvent inventory, record the information in paragraphs (c)(1)(i) through (vii) of this section in accordance with your plan for demonstrating compliance:

63.2862(c)(1)(i) Dates that define each operating status period during a calendar month.

63.2862(c)(1)(ii) The operating status of your source such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval.

63.2862(c)(1)(iii) Record the gallons of extraction solvent in the inventory on the beginning and ending dates of each normal operating period.

63.2862(c)(1)(iv) The gallons of all extraction solvent received, purchased, and recovered during each calendar month.

63.2862(c)(1)(v) All extraction solvent inventory adjustments, additions or subtractions. You must document the reason for the adjustment and justify the quantity of the adjustment.

63.2862(c)(1)(vi) The total solvent loss for each calendar month, regardless of the source operating status.

63.2862(c)(1)(vii) The actual solvent loss in gallons for each operating month.

63.2862(c)(2) For the weighted average volume fraction of HAP in the extraction solvent, you must record the items in paragraphs (c)(2)(i) through (iii) of this section:

63.2862(c)(2)(i) The gallons of extraction solvent received in each delivery.

63.2862(c)(2)(ii) The volume fraction of each HAP exceeding 1 percent by volume in each delivery of extraction solvent.

63.2862(c)(2)(iii) The weighted average volume fraction of HAP in extraction solvent received since the end of the last operating month as determined in accordance with § 63.2854(b)(2).

63.2862(c)(3) For each type of listed oilseed processed, record the items in paragraphs (c)(3)(i) through (vi) of this section, in accordance with your plan for demonstrating compliance:

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63.2862(c)(3)(i) The dates that define each operating status period. These dates must be the same as the dates entered for the extraction solvent inventory.

63.2862(c)(3)(ii) The operating status of your source, as described in § 63.2853(a)(2). On the log for each type of listed oilseed that is not being processed during a normal operating period, you must record which type of listed oilseed is being processed in addition to the source operating status.

63.2862(c)(3)(iii) The oilseed inventory for the type of listed oilseed being processed on the beginning and ending dates of each normal operating period.

63.2862(c)(3)(iv) The tons of each type of listed oilseed received at the affected source each normal operating period.

63.2862(c)(3)(v) All listed oilseed inventory adjustments, additions or subtractions for normal operating periods. You must document the reason for the adjustment and justify the quantity of the adjustment.

63.2862(c)(3)(vi) The tons of each type of listed oilseed processed during each operating month.

63.2862(d) After your source has processed listed oilseed for 12 operating months, record the items in paragraphs (d)(1) through (5) of this section by the end of the calendar month following each operating month:

63.2862(d)(1) The 12 operating months rolling sum of the actual solvent loss in gallons as described in § 63.2853(c).

63.2862(d)(2) The weighted average volume fraction of HAP in extraction solvent received for the previous 12 operating months as described in § 63.2854(b)(3).

63.2862(d)(3) The 12 operating months rolling sum of each type of listed oilseed processed at the affected source in tons as described in § 63.2855(c).

63.2862(d)(4) A determination of the compliance ratio. Using the values from §§ 63.2853, 63.2854, 63.2855, and Table 1 of § 63.2840, calculate the compliance ratio using Equation 2 of § 63.2840.

63.2862(d)(5) A statement of whether the source is in compliance with all of the requirements of this subpart. This includes a determination of whether you have met all of the applicable requirements in § 63.2850.

63.2862(e) Before September 15, 2020, for each SSM event subject to an initial startup period as described in § 63.2850(c)(2) or (d)(2), or a malfunction period as described in § 63.2850(e)(2), record the items in paragraphs (e)(1) through (3) of this section by the end of the calendar month following each month in which the initial startup period or malfunction period occurred. The provisions of this paragraph (e) do not apply on and after September 15, 2020.

63.2862(e)(1) A description and date of the SSM event, its duration, and reason it qualifies as an initial startup or malfunction.

63.2862(e)(2) An estimate of the solvent loss in gallons for the duration of the initial startup or malfunction period with supporting documentation.

63.2862(e)(3) A checklist or other mechanism to indicate whether the SSM plan was followed during the initial startup or malfunction period.

63.2862(f) On and after September 15, 2020, for each initial startup period subject to § 63.2850(c)(2) or (d)(2), record the items in paragraphs (f)(1) through (6) of this section by the end of the calendar month following each month in which the initial startup period occurred.

63.2862(f)(1) A description and dates of the initial startup period, and reason it qualifies as an initial startup.

63.2862(f)(2) An estimate of the solvent loss in gallons for the duration of the initial startup or malfunction period with supporting documentation.

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63.2862(f)(3) Nominal design rate of the extractor and operating rate of the extractor for the duration of the initial startup period, or permitted production rate and actual production rate of your source for the duration of the initial startup period.

63.2862(f)(4) Measured values for temperature and pressure for the desolventizing and oil distillation units associated with solvent recovery.

63.2862(f)(5) Information to indicate the mineral oil absorption system was operating at all times during the initial startup period.

63.2862(f)(6) Information to indicate the solvent condensers were operating at all times during the initial startup period.

63.2862(g) On and after September 15, 2020, keep the records of deviations specified in paragraphs (f)(1) through (4) of this section for each compliance determination you make in which the compliance ratio exceeds 1.00 as determined under § 63.2840(c) or if you deviate from the work practice standard for an initial startup period subject to § 63.2850(c)(2) or (d)(2).

63.2862(g)(1) The number of deviations, and the date and duration of each deviation. For deviations from the compliance ratio, the date of the deviation is the date the compliance ratio determination is made. The duration of the deviation from the compliance ratio is the length of time taken to address the cause of the deviation, including the duration of any malfunction, and return the affected unit(s) to its normal or usual manner of operation. For deviations from the work practice standard during the initial startup period, the date of the deviation is the date(s) when the facility fails to comply with any of the work practice standard in § 63.2840(h). The duration of the deviation from the work practice standard is the length of time taken to return to the work practice standards.

63.2862(g)(2) A statement of the cause of each deviation (including unknown cause, if applicable).

63.2862(g)(3) For each deviation, a list of the affected sources or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions.

63.2862(g)(4) Actions taken to minimize emissions in accordance with § 63.2840(g), and any corrective actions taken to return the affected unit to its normal or usual manner of operation.

63.2862(g)(5) If you deviate from the work practice standard for an initial startup period, a description of the deviation from the work practice standard.

63.2862(h) Any records required to be maintained by this part that are submitted electronically via EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or EPA as part of an on-site compliance evaluation.

[66 FR 19011, Apr. 12, 2001, as amended at 85 FR 15632, Mar. 18, 2020]

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2863]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

In what form and how long must I keep my records?

63.2863(a) Your records must be in a form suitable and readily available for review in accordance with § 63.10(b)(1).

63.2863(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

63.2863(c) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, in accordance with § 3.10(b)(1). You can keep the records off-site for the remaining 3 years.

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.2870]

Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

What parts of the General Provisions apply to me?

SECTION E. Source Group Restrictions.

Table 1 of this section shows which parts of the General Provisions in § § 63.1 through 63.15 apply to you.

Table 1 of 40 CFR 63.2870 is incorporated by reference.

[66 FR 19011, Apr. 12, 2001, as amended at 67 FR 16321, Apr. 5, 2002; 71 FR 20463, Apr. 20, 2006; 85 FR 15632, Mar. 18, 2020; 85 FR 73904, Nov. 19, 2020]

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: GRP03

Group Description: CAM Affected Sources

Sources included in this group

ID	Name
201	SOYBEAN PREP PROCESS
203	FLAKING ROLLS
205A	MEAL DRYER
205B	MEAL COOLER
206	MEAL GRINDING & SCREENING

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall use the approved process parameter(s) or indicator(s) to obtain data and monitor the emission control equipment performance.

(1) Baghouse pressure differential (Control IDs: C201A, C201B, C201C, C201D, C201E, & C206)
(2) Cyclone pressure differential (Control IDs: C203, C205A & C205B)
(3) Visual emission check using a one (1) minute observation using the procedures of EPA Method 22.

(b) The permittee shall use the approved means or devices to measure the applicable indicator(s).

(1) Pressure Drop - pressure gauges or manometers
(2) Visual observations - an observer knowledgeable in EPA Method 22 procedures.

(c) The permittee shall use the approved frequency for condition monitoring of indicator(s).

(1) Baghouse pressure differential - daily
(2) Cyclone pressure differential - daily
(3) Visible emission - once per week

(d) The permittee shall use the approved period over which discrete data points for approved indicator(s) will be collected for the purpose of determining an excursion.

(1) Baghouse pressure differential recorded once per working day
(2) Cyclone pressure differential recorded once per working day
(3) Visible emission readings recorded once per week

[Additional authority for the following Compliance Assurance Monitoring (CAM) permit conditions is derived from 40 CFR Part 64.6]

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of the following information:

(1) Pressure differential across each baghouse - daily

SECTION E. Source Group Restrictions.

(2) Pressure differential across each cyclone - daily
(3) Visible emissions from each exhuast stack - weekly

(c) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(1) An excursion for the baghouse indicator identified in Condition #001(a)(1) shall be defined as a measured pressure drop outside the range of 0.5 to 6.0 inches water.
(2) An excursion for the cyclone indicator identified in Condition #001(a)(2) shall be defined as a measured pressure drop outside the range of 2.0 to 12.0 inches water.
(3) An excursion for the visible emission inspections shall be defined as any visible emission.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

(e) These records shall be maintained on site for the most recent five year period and made available to the Department upon request.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Section 64.9, 40 CFR Part 70, Section 70.6(a)(3)(ii)(B) and PA 36-05158E]

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The permittee shall report all excursions, corrective actions taken, dates, times, durations, and possible causes of the events to the Department, every six (6) months from the effective date of the permit.

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero span or other daily calibration checks, if applicable), their dates, times, durations, possible causes, and corrective actions taken, to the Department, every six months from the effective date of the permit.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Section 64.9 and 40 CFR Part 70, Section 70.6(a)(3)(iii)(A)]

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The permittee shall use the approved range for each selected indicator in determining the appropriate operation of the sources. A departure from the specified indicator range shall be defined as an excursion.

(1) Baghouse pressure differential shall be between 0.5 and 6.0 inches water
(2) Cyclone pressure differential shall be between 2.0 and 12.0 inches water
(3) Any visible emissions

(b) For QA/QC practices, the permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

(1) Baghouse pressure differential gauge shall be calibrated annually
(2) Cyclone pressure differential gauge shall be calibrated annually

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Sections 64.3 & 64.6 and PA 36-05158E]

SECTION E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occurs:

(1) Six (6) excursions of any given parameter, for any given source, occur in a six-month period.
(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.
(3) Failure to perform daily or weekly monitoring of any given parameter, for any given fabric filter dust collector or cyclone, for less than 95% of the required readings in a reporting period.

(b) The QIP shall be submitted to DEP within 60 days of the end of the relevant six-month reporting period. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

(d) In accordance with 40 CFR Section 64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

(1) Improved preventive maintenance practices.
(2) Process operation changes.
(3) Appropriate improvements to control methods.
(4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.
(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements that apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for this Compliance Assurance Monitoring (CAM) permit condition is derived from 40 CFR Part 64, Sections 64.8 & 64.9]

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: GRP04

Group Description: LAER Requirements

Sources included in this group

ID	Name
204	EXTRACTION PROCESS
205A	MEAL DRYER
205B	MEAL COOLER
206	MEAL GRINDING & SCREENING
207	MILL FEED (HULL) GRINDING
208	MEAL/MILL FEED STORAGE BINS
209	MEAL/MILL FEED LOADOUT TANK
210	MEAL LOADOUT AREA
212	HEXANE STORAGE TANKS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to the Lowest Achievable Emission Rate (LAER), beginning on the month following the initial start-up and shake down period, the average plant-wide solvent loss ratio (SLR) shall not exceed 0.125 gallons of solvent per ton of oilseed processed based on any 12-month consecutive period. Solvent loss shall be determined in accordance with 40 CFR 63.2853 but not utilizing the exemption in (c)(3). The quantity of oilseed processed shall be determined in accordance with 40 CFR 63.2855 but not utilizing the exemption (c)(3).

(b) VOC emissions shall not exceed 208.05 tons per year on a 12 month rolling basis including the start-up and shake down period.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to the Lowest Achievable Emission Rate (LAER) determination, the permittee shall not cause to be discharged into the atmosphere from:

(1) Stack ID S204 - any gases which contain volatile organic compounds (VOCs) exceeding 1.65 lb VOC/hr, as hexane, as determined by approved stack testing.
(2) Stack ID S205A - any gases which contain VOCs exceeding 11.51 lb VOC/hr, as hexane, as determined by approved stack testing.
(3) Stack ID S205B - any gases which contain VOCs exceeding 5.76 lb VOC/hr, as hexane, as determined by approved stack testing.
(4) Stack ID S206 - any gases which contain VOCs exceeding 11.94 lb VOC/hr, as hexane, as determined by approved stack testing.

(b) Pursuant to the Lowest Achievable Emission Rate (LAER) determination, the permittee shall limit annual VOC emissions from the following stacks to:

(1) Stack ID 204 - 7.24 tons based on any 12-month consecutive period
(2) Stack ID 205A - 50.42 tons based on any 12-month consecutive period
(3) Stack ID 205B - 25.21 tons based on any 12-month consecutive period
(4) Stack ID 206 - 52.28 tons based on any 12-month consecutive period

[Additional authority for this permit condition is derived from PA 36-05158G]

SECTION E. Source Group Restrictions.

Throughput Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Lowest Achievable Emission Rate (LAER) determination, the n-hexane concentration of the extraction solvent shall not exceed 50%, by weight, based on any 12-month rolling average.

Control Device Efficiency Restriction(s).

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Unless otherwise approved by the Department in writing, the permittee shall maintain:

(1) The flow rate of the mineral oil entering the mineral oil absorber at or above the minimum flow rate recommended by the manufacturer.

(2) The 3-hour average temperature of the mineral oil entering the mineral oil absorber at or below the maximum temperature recommended by the manufacturer.

(3) The flow rate of the chilled water at or above the minimum flow rate recommended by the manufacturer.

(4) The 3-hour average temperature of the chilled water at or below the maximum temperature recommended by the manufacturer.

(b) The facility is allowed to cause excursions from the manufacturer-recommended parameters (above) for 10% of the operating time per year on a 12-month rolling total, in order to perform required maintenance, provided that the facility conducts daily stack VOC monitoring on Source 204 for every day in deviation, regardless of whether a separate exception was provided (under Section E, Source Group GRP04, Condition #006(i)).

[Additional authority for this permit condition is derived from PA 36-05158E and DEP's 12/8/23 approval email]

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Unless otherwise approved by the Department in writing, the permittee shall test Source IDs 204, 205A, 205B & 206 for VOC annually. The permittee shall perform the testing utilizing methodology outlined in 25 Pa. Code Section 139 and the Department's Source Testing Manual or by other means approved by the Department. The testing shall be done to demonstrate compliance with the VOC emission limits under Section E, Source Group ID SG04, Condition #002.

III. MONITORING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Unless otherwise approved in writing by DEP, Perdue shall conduct daily FID monitoring in ports installed in the following stacks: 204, 205A, 205B, & 206.

(1) In the event of a plant shutdown, FID monitoring conducted in the previous 24 hours shall be considered sufficient for the calendar day of shutdown and will not be deemed an excursion.
(2) Upon startup, FID monitoring must be conducted within 24 hours.

(b) The FID monitoring shall be conducted in accordance to the testing protocol submitted and approved by the Department. An FID reading shall be defined per the approved protocol.

(c) Perdue shall convert each FID reading taken pursuant to (b), into a lb/hr VOC emission rate according to those methods approved by the Department. The calculated values shall not be used to determine compliance with any lb/hr VOC emission limits. Only reference method source tests shall be used to determine compliance with any lb/hr VOC emission limits.

(d) Perdue shall keep records of all FID readings and calculated lb/hr values. If multiple FID readings are taken on a given

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day, pursuant to (b), above, then the highest reading taken on that day shall count as the official daily reading.

(e) In the event that any daily FID readings taken pursuant to (d) are calculated to be at or above the relevant lb/hr VOC emission limits, or are not taken, this shall be designated as an excursion.

(f) In the event that 4 daily FID readings taken pursuant to (d) are designated as excursions during any calendar half in any respective stack, Perdue shall notify DEP within 3 calendar days after the last exceedence, and shall prepare and submit an FID Reading Response Plan within 30 days of the notice of exceedence. The plan shall include, but not limited to, analysis of possible cause(s) of the excursion(s), and corrective actions to prevent further excursion(s). This process shall be repeated if, within the same calendar half, 4 more daily FID readings taken pursuant to (d) are designated as excursions in any respective stack.

(g) In the event that 9 daily FID readings taken pursuant to (d) are calculated to be at or above the relevant lb/hr VOC emission limits during any calendar half in any respective stack, Perdue shall conduct performance testing in accordance with methodology outlined in 25 Pa. Code Section 139 and the Department's Source Testing Manual for VOC. Testing shall be performed within 90 days after the last exceedence, unless otherwise approved in writing by the Department. The Department reserves the right to require additional actions by Perdue with regard to a pattern of excursions, if the Department determines that the pattern may substantially affect the source's ability to meet the emission limits.

(h) Perdue shall report the following to the DEP within 30 days after the end of each calendar half:

(1) Daily FID readings in ppmvd, as hexane
(2) Calculated lb/hr VOC emission rate
(3) Any excursions of the lb/hr VOC emission rate
(4) Percentage of daily FID readings compared to the number of days in the calendar half, which exhibited excursions

(i) In the event that all FID readings taken pursuant to (d), at any of the designated locations are calculated to be less than 50% of the allowable lb/hr VOC emission limits for 12-consecutive months, Perdue may petition the Department for a decreased FID monitoring frequency for the relevant location. Any such petition shall include technical reasons justifying each aspect of the request, and shall specify under what circumstances the FID monitoring frequency shall be increased if, in the future, an increase is observed in VOC emission levels. Also, in the event that 3 years of FID readings taken pursuant to (d), at any of the designated locations are all calculated to be less than 100% of the allowable lb/hr VOC emission limits, Perdue may petition the Department for a decreased FID monitoring frequency for the relevant location.

(1) In accordance with DEP's 12/15/23 & 4/10/24 reduced FID monitoring approvals, Source IDs 204 & 205A shall conduct quarterly FID monitoring with the following stipulation:

(A) In the event that a quarterly FID reading taken pursuant to 007(d) is designated as an excursion during any calendar half, Perdue shall conduct daily FID monitoring following the excursion. Perdue shall continue with daily FID monitoring until there are 5-consecutive days without an excursion. At that time, the frequency of the monitoring shall revert to monthly. If an excursion occurs during any monthly reading, Perdue shall follow the daily FID monitoring frequency for a quarterly exceedance specified above. If after 12-consecutive months of FID monitoring without an excursion, the frequency of the FID monitoring shall revert to quarterly. The Department reserves the right to require additional actions by Perdue with regard to a pattern of excursions, if the Department determines that the pattern may substantially affect the source's ability to meet the emission limits.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain instrumentation that measures, displays, and records the following from Control ID C204:

(1) The mineral oil flowrate.
(2) The mineral oil temperature.
(3) The chilled water flowrate.
(4) The chilled water cold temperature.

SECTION E. Source Group Restrictions.

IV. RECORDKEEPING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall record the following:

(1) The solvent inventory levels in the hexane storage tanks - daily
(2) The amount of soybean oil produced - daily
(3) The amount of soybean meal produced -daily
(4) The mineral oil flow rate - daily
(5) The mineral oil temperature - 3-hour average
(6) The chilled water flow rate - daily
(7) The chilled water temperature - 3-hour average
(8) VOC emissions from Source ID 204 - monthly & rolling 12-month total
(9) VOC emissions from Source ID 205A - monthly & rolling 12-month total
(10) VOC emissions from Source ID 205B - monthly & rolling 12-month total
(11) VOC emissions from Source ID 206 - monthly & rolling 12-month total

(b) The permittee shall record the following for each solvent delivery:

(1) The name and address of the solvent supplier
(2) The type of solvent including the product or vendor identification number
(3) The n-hexane concentration, by weight

(c) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the Lowest Achievable Emission Rate (LAER) determination, breathing and working losses from the hexane storage tanks (Source ID 212) shall always be captured and vented to the mineral oil scrubber (Control ID C204).

VII. ADDITIONAL REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each respective stack associated with Source IDs 204, 205A, 205B & 206 shall be vertical in nature and shall not be equipped with a raincap.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Leak, Detection & Repair (LDAR) Requirements:

(a) MONITORING

(1) Within 60 days of achieving full production but no later than 180 days after initial startup of the solvent extraction facility, the permittee shall prepare & implement a Leak Detection & Repair (LDAR) program to minimize fugitive VOC losses from equipment leaks. The written LDAR program shall be made available to the Department upon request.

(2) The LDAR program shall, at a minimum, employ the following:

(i) A list of equipment and respective identification numbers which will be monitored.

(ii) A list of equipment and respective identification numbers of equipment operating under negative pressure and

SECTION E. Source Group Restrictions.

equipment deemed dangerous to monitor.

(iii) The permittee shall check equipment that contains hexane on a daily basis for any signs of a leak, based on Audible, Visual, and Olfactory (AVO) inspections. Equipment to be checked shall include but not be limited to, storage tanks, pumps, piping, duct work, enclosed conveyors, valves, flanges, seals, sight glasses and process equipment, as well as the extractor, DT, dryer-cooler, distillation equipment, condensers, and heat exchangers. Should an inspection detect any signs of a leak, the permittee shall take those steps necessary to determine if a leak exists and take appropriate action as specified below in this condition.

(iv) The permittee shall install four (4) fixed-location flammable gas monitors or other leak detection monitoring devices approved by the Department in the solvent extraction area. The fixed-location monitors shall be placed in low lying areas in close proximity to likely fugitive emission sources. The permittee shall maintain an inventory of spare parts for the monitors in order to ensure consistent operation. The flammable gas monitors shall be set to audible and visual alarm at 100 parts per million (ppm) as methane. A representative reading shall be taken and recorded from each monitor daily. Calibration checks shall be performed at a minimum of monthly intervals to ensure the monitors alarm at the 100 ppm level. Should a monitor alarm be triggered, the permittee shall determine the source of the emissions and take appropriate action as specified below in this condition, if a leak is then confirmed instrumentally.

(v) The permittee shall perform a leak check for equipment containing hexane within 60 days of full production but no later than 180 days of initial start-up and as specified in (A) – (D), below, thereafter using an optical gas imaging camera such as a FLIR camera or a gas leak detector capable of reading hexane concentrations in air at the equivalent concentration of 0% to 5% methane with an accuracy of +/- 0.2%. The owner/operator may request, in writing, the use of other leak detection monitoring devices, approved, in writing, by the Department. A leak is defined as an instrument reading of 500 ppm as methane above the background concentration.

(A) Initial monthly monitoring, for a minimum of 12 consecutive months

(B) After the initial 12 month period for non-leaking components, quarterly monitoring

(C) After any leak is observed, the monitoring frequency will revert to monthly until no leaks are shown for 12 consecutive months, then may return to quarterly

(D) The Department may alter the monitoring frequency if detections demonstrate a change is warranted

(vi) The portable gas leak detectors used in (v) above, shall be operated in accordance with manufacturer-recommended procedures and:

(A) Optical gas imaging cameras shall be operated and calibrated according to 40 CFR 60.18(g) and be able to detect hexane at a minimum sensitivity of:

i. 100 grams/hour for the monthly monitoring frequency
ii. 60 grams/hour for quarterly or longer monitoring frequencies

(B) Portable gas leak detectors shall be operated and calibrated according to 40 CFR Part 60, Appendix A, Method 21 and be able to detect hexane at a minimum sensitivity of 100 ppm methane equivalent

(vii) A release from any equipment or component designed by the manufacturer to protect the equipment, controller(s), safety of personnel, to prevent ground water contamination, or an emergency situation is not considered a leak

(viii) Damaged or leaking components shall be tagged with weatherproof and readily visible tags bearing an identification number and the date the leak was detected. The tags must remain in place until the leaking component is repaired. Tagging of difficult-to-monitor leaking components may be done by reference tagging. The reference tag should be located as close as possible to the leaking component and should clearly identify the leaking component and its location.

(ix) The first attempt at repair shall be required for all leaking components within 5 days of detection and the repair shall be completed within 15 days for all components unless the repair would require a unit shutdown that would create more emissions than the repair would eliminate, and if so, the repair may be delayed until the next scheduled shutdown, except

SECTION E. Source Group Restrictions.

the first attempt at repair for:

(A) Any leak > 10,000 ppmv and < 25,000 ppmv – 2 days;

(B) Atmospheric pressure relief device leak without a rupture disk > 500 and < 25,000 ppmv – 2 days;

(C) Any leak > 25,000 ppmv – 1 day;

(x) A leak is considered repaired if one of the following can be demonstrated:

(A) A VOC concentration of 500 ppm as methane or less using a gas leak detector;

(B) No visible leak image when using an optical gas imaging camera able to detect hexane at a minimum sensitivity of 60 grams/hour within the distance determined during the instrument check procedure;

(C) No bubbling at leak interface using a soap solution bubble test specified in EPA Method 21; or a procedure based on the formation of bubbles in a soap solution that is sprayed on a potential leak source may be used for those sources that do not have continuously moving parts and that do not have a surface temperature greater than the boiling point or less than the freezing point of the soap solution; or

(D) Any other method approved, in writing, by the Department

(b) RECORDS

(1) The permittee shall record, at a minimum, the following:

(i) Each daily AVO inspection

(ii) Each daily representative fixed-location flammable gas monitor readings

(iii) The initial and periodic leak checks of equipment

(2) Each daily observation/reading shall be recorded and shall be signed and dated by the person that conducted the inspection/reading

(3) If leaks are observed, the nature, identification number and measured concentration (ppm) of the observed leak shall be recorded along with documentation regarding corrective actions

(4) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon request.

(c) REPORTS

(1) The owner/ operator must submit a written request to the Southcentral Regional Office for an extension of LDAR deadlines. This includes extensions required due to facility shutdowns and/or the ordering of replacement parts. The written request shall also include the reason(s) for the extension request and the schedule for completion of the repairs. The Department may grant an extension of the LDAR deadlines based upon the written request.

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: GRP05

Group Description: §§129.111 - 129.115 - RACT III Case-by-Case Requirements

Sources included in this group

ID	Name
204	EXTRACTION PROCESS
205A	MEAL DRYER
205B	MEAL COOLER
206	MEAL GRINDING & SCREENING
207	MILL FEED (HULL) GRINDING
208	MEAL/MILL FEED STORAGE BINS
209	MEAL/MILL FEED LOADOUT TANK
210	MEAL LOADOUT AREA
212	HEXANE STORAGE TANKS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 25 Pa Code §129.114(d):

(a) The permittee shall not cause to be discharged into the atmosphere from:

(1) Stack ID 204 - any gases which contain volatile organic compounds (VOCs) exceeding 1.65 lb VOC/hr, as hexane.
(2) Stack ID 205A - any gases which contain VOCs exceeding 11.51 lb VOC/hr, as hexane.
(3) Stack ID 205B - any gases which contain VOCs exceeding 5.76 lb VOC/hr, as hexane.
(4) Stack ID 206 - any gases which contain VOCs exceeding 11.94 lb VOC/hr, as hexane.

(b) Breathing and working losses from the hexane storage tanks (Source ID 212) shall always be captured and vented to the mineral oil scrubber (Control ID C204).

SECTION E. Source Group Restrictions.

(c) Leak, Detection & Repair (LDAR) Requirements:

(1) The permittee shall maintain & implement a Leak Detection & Repair (LDAR) program to minimize fugitive VOC losses from equipment leaks. The written LDAR program shall be made available to the Department upon request.

(2) The LDAR program shall, at a minimum, employ the following:

(i) A list of equipment and respective identification numbers which will be monitored.

(ii) A list of equipment and respective identification numbers of equipment operating under negative pressure and equipment deemed dangerous to monitor.

(iii) The permittee shall check equipment that contains hexane on a daily basis for any signs of a leak, based on Audible, Visual, and Olfactory (AVO) inspections. Equipment to be checked shall include but not be limited to, storage tanks, pumps, piping, duct work, enclosed conveyors, valves, flanges, seals, sight glasses and process equipment, as well as the extractor, DT, dryer-cooler, distillation equipment, condensers, and heat exchangers. Should an inspection detect any signs of a leak, the permittee shall take those steps necessary to determine if a leak exists and take appropriate action as specified below in this condition.

(iv) The permittee shall maintain and operate four (4) fixed-location flammable gas monitors or other leak detection monitoring devices approved by the Department in the solvent extraction area. The fixed-location monitors shall be placed in low lying areas in close proximity to likely fugitive emission sources. The permittee shall maintain an inventory of spareparts for the monitors in order to ensure consistent operation. The flammable gas monitors shall be set to audible and visual alarm at 100 parts per million (ppm) as methane. A representative reading shall be taken and recorded from each monitor daily. Calibration checks shall be performed at a minimum of monthly intervals to ensure the monitors alarm at the 100 ppm level. Should a monitor alarm be triggered, the permittee shall determine the source of the emissions and take appropriate action as specified below in this condition, if a leak is then confirmed instrumentally.

(v) The permittee shall perform a leak check for equipment containing hexane as specified in (A) – (D), below, using an optical gas imaging camera such as a FLIR camera or a gas leak detector capable of reading hexane concentrations in air at the equivalent concentration of 0% to 5% methane with an accuracy of +/- 0.2%. The owner/operator may request, in writing, the use of other leak detection monitoring devices, approved, in writing, by the Department. A leak is defined as an instrument reading of 500 ppm as methane above the background concentration.

(A) Initial monthly monitoring, for a minimum of 12 consecutive months

(B) After the initial 12 month period for non-leaking components, quarterly monitoring

(C) After any leak is observed, the monitoring frequency will revert to monthly until no leaks are shown for 12 consecutive months, then may return to quarterly

(D) The Department may alter the monitoring frequency if detections demonstrate a change is warranted

(vi) The portable gas leak detectors used in (v) above, shall be operated in accordance with manufacturer recommended procedures and:

(A) Optical gas imaging cameras shall be operated and calibrated according to 40 CFR 60.18(g) and be able to detect hexane at a minimum sensitivity of:

i. 100 grams/hour for the monthly monitoring frequency
ii. 60 grams/hour for quarterly or longer monitoring frequencies

(B) Portable gas leak detectors shall be operated and calibrated according to 40 CFR Part 60, Appendix A, Method 21 and be able to detect hexane at a minimum sensitivity of 100 ppm methane equivalent

(vii) A release from any equipment or component designed by the manufacturer to protect the equipment, controller(s), safety of personnel, to prevent ground water contamination, or an emergency situation is not considered a leak.

SECTION E. Source Group Restrictions.

(viii) Damaged or leaking components shall be tagged with weatherproof and readily visible tags bearing an identification number and the date the leak was detected. The tags must remain in place until the leaking component is repaired. Tagging of difficult-to-monitor leaking components may be done by reference tagging. The reference tag should be located as close as possible to the leaking component and should clearly identify the leaking component and its location.

(ix) The first attempt at repair shall be required for all leaking components within 5 days of detection and the repair shall be completed within 15 days for all components unless the repair would require a unit shutdown that would create more emissions than the repair would eliminate, and if so, the repair may be delayed until the next scheduled shutdown, except the first attempt at repair for:

(A) Any leak > 10,000 ppmv and < 25,000 ppmv – 2 days;

(B) Atmospheric pressure relief device leak without a rupture disk > 500 and < 25,000 ppmv – 2 days;

(C) Any leak > 25,000 ppmv – 1 day;

(x) A leak is considered repaired if one of the following can be demonstrated:

(A) A VOC concentration of 500 ppm as methane or less using a gas leak detector;

(B) No visible leak image when using an optical gas imaging camera able to detect hexane at a minimum sensitivity of 60 grams/hour within the distance determined during the instrument check procedure;

(C) No bubbling at leak interface using a soap solution bubble test specified in EPA Method 21; or a procedure based on the formation of bubbles in a soap solution that is sprayed on a potential leak source may be used for those sources that do not have continuously moving parts and that do not have a surface temperature greater than the boiling point or less than the freezing point of the soap solution; or

(D) Any other method approved, in writing, by the Department

(3) RECORDS

(i) The permittee shall record, at a minimum, the following:

(A) Each daily AVO inspection

(B) Each daily representative fixed-location flammable gas monitor readings

(C) The initial and periodic leak checks of equipment

(ii) Each daily observation/reading shall be recorded and shall be signed and dated by the person that conducted the inspection/reading

(iii) If leaks are observed, the nature, identification number and measured concentration (ppm) of the observed leak shall be recorded along with documentation regarding corrective actions

(iv) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon request.

(4) REPORTS

(i) The owner/ operator must submit a written request to the Southcentral Regional Office for an extension of LDAR deadlines. This includes extensions required due to facility shutdowns and/or the ordering of replacement parts. The written request shall also include the reason(s) for the extension request and the schedule for completion of the repairs. The Department may grant an extension of the LDAR deadlines based upon the written request.

SECTION E. Source Group Restrictions.

(d) To minimize VOC emissions from Source IDs 207, 208, 208, 209, 210, the permittee shall:

(1) Maintain the alterations to the aeration systems on the soybean storage tanks that were made during the July 2019 shutdown, which alterations were made with the goal of providing more consistent moisture in the soybeans sent to the plant for processing, even when variability in incoming moisture is present.

(2) Maintain the changes to the screen opening sizes in the cleaner in grain storage that were made during the July 2019 shutdown, to ensure that all soybeans go through the dryer. The previous screen sizes allowed ~10% of soybeans to shortcircuit the dryer.

(3) Maintain the cyclone that was installed on the Vertical Seed Conditioner (VSC) during the July 2019 shutdown, to aid in removing moisture from this vessel - surface moisture that ultimately hinders drainage in the Extractor.

(4) Maintain the variable frequency drives that were installed on all of the fans tied to the flaker aspiration system in Preparation during the July 2019 shutdown. This has provided the plant with more flexibility in minimizing the amount of fines that are conveyed to the Extractor as well as minimizing surface moisture formation on the flakes - surface moisture that ultimately hinders drainage in the Extractor.

(e) In accordance with 25 Pa. Code §129.115(k), all records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: GRP06

Group Description: Non-RACT SIP Strengthening Requirements

Sources included in this group

ID	Name
204	EXTRACTION PROCESS
205A	MEAL DRYER
205B	MEAL COOLER
206	MEAL GRINDING & SCREENING
207	MILL FEED (HULL) GRINDING
208	MEAL/MILL FEED STORAGE BINS
209	MEAL/MILL FEED LOADOUT TANK
210	MEAL LOADOUT AREA
212	HEXANE STORAGE TANKS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The average plant-wide solvent loss ratio (SLR) shall not exceed 0.125 gallons of solvent per ton of oilseed processed based on any 12-month consecutive period. Solvent loss shall be determined in accordance with 40 CFR 63.2853 but not utilizing the exemption in (c)(3). The quantity of oilseed processed shall be determined in accordance with 40 CFR 63.2855 but not utilizing the exemption (c)(3).

[Additional authority for this permit condition is derived from PA 36-05158H]

***** Permit Shield in Effect. *****

SECTION E. Source Group Restrictions.

Group Name: GRP07

Group Description: 40 CFR 60, Subpart IIII Engine(s)

Sources included in this group

ID	Name
401	EMERGENCY FIRE PUMP
402	EMERGENCY GENERATOR

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart IIII shall comply with all applicable requirements of the Subpart. 40 CFR 60.4 requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director
United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system available through: https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

SECTION E. Source Group Restrictions.

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Am I subject to this subpart?

60.4200(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

60.4200(a)(1) [NA - NOT AN ENGINE MANUFACTURER]

60.4200(a)(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:

60.4200(a)(2)(i) Manufactured after April 1, 2006, and are not fire pump engines, or

60.4200(a)(2)(ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

60.4200(a)(3) [NA - NOT MODIFIED OR RECONSTRUCTED]

60.4200(a)(4) The provisions of § 60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

60.4200(b) [NA - TEST CELL NOT INVOLVED]

60.4200(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

60.4200(d) Stationary CI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C, except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

60.4200(e) [NA - NOT TEMPORARY REPLACEMENT UNITS]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37967, June 28, 2011; 86 FR 34357, June 29, 2021]

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4201]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for non-emergency engines if I am a stationary CI internal combustion engine manufacturer?

[NA - NOT AN ENGINE MANUFACTURER]

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?

[NA - NOT AN ENGINE MANUFACTURER]

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4203]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

How long must my engines meet the emission standards if I am a stationary CI internal combustion engine manufacturer?

[NA - NOT AN ENGINE MANUFACTURER]

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4204]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

SECTION E. Source Group Restrictions.

What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

[NA - UNITS ARE EMERGENCY]

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

60.4205(a) [NA - ENGINES 2007 MODEL YEAR OR LATER]

60.4205(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

60.4202 REQUIREMENTS

60.4202(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

60.4202(a)(1) [NA - UNIT(S) > 37 KW (50 HP)]

60.4202(a)(2) For engines with a rated power greater than or equal to 37 KW (50 HP), the Tier 2 or Tier 3 emission standards for new nonroad CI engines for the same rated power as described in 40 CFR part 1039, appendix I, for all pollutants and the smoke standards as specified in 40 CFR 1039.105 beginning in model year 2007.

NOTE: 120 KW (161 HP) UNIT HAS A CERTIFICATE OF CONFORMITY WITH THE 2007 MODEL YEAR STANDARDS. THESE ARE AS FOLLOWS:

NMHC + NOX: 4.0 g/kW-hr
CO: 5.0 g/kW-hr
PM: 0.3 g/kW-hr

40 CFR 1039.105

(a) The smoke standards in this section apply to all engines subject to emission standards under this part, except for the following engines:

(1) - (3) [NA - ENGINE DOES NOT MEET AN EXEMPTION]

(b) Measure smoke as specified in § 1039.501(c). Smoke from your engines may not exceed the following standards:

(1) 20 percent during the acceleration mode.
(2) 15 percent during the lugging mode.
(3) 50 percent during the peaks in either the acceleration or lugging modes.

END OF 60.4202 REQUIREMENTS

60.4205(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

NOTE: 380 KW (510 HP) UNIT HAS A CERTIFICATE OF CONFORMITY WITH THE 2009 MODEL YEAR STANDARDS. THESE ARE AS FOLLOWS:

TABLE 4 REQUIREMENTS:

Table 4 to Subpart IIII of Part 60—Emission Standards for Stationary Fire Pump Engines

Maximum engine power: 225=KW<450 (300=HP<600)

SECTION E. Source Group Restrictions.

Model year: 2009+ *
Emission standards:
NOx: 4.0 g/kW-hr (3.0 g/HP-hr)
PM: 0.20 g/kW-hr (0.15 g/HP-hr)

* In model years 2009-2011, manufacturers of fire pump stationary CI ICE in this engine power category with a rated speed of greater than 2,650 rpm may comply with the emission limitations for 2008 model year engines.

END OF TABLE 4 REQUIREMENTS

60.4205(d) [NA - UNITS < 30 L/CYL]

60.4205(e) [NA - DOES NOT CONDUCT PERFORMANCE TESTS IN USE]

60.4205(f) [NA - NOT MODIFIED OR RECONSTRUCTED]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 86 FR 34358, June 29, 2021]

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in § § 60.4204 and 60.4205 over the entire life of the engine.

[76 FR page 37969, June 28, 2011]

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?

60.4207(a) [Reserved]

60.4207(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

[§1090.305: ULSD standards:
(a) Overview. Except as specified in § 1090.300(a), diesel fuel must meet the ULSD per-gallon standards of this section.
(b) Sulfur content. Maximum sulfur content of 15 ppm.
(c) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:
(1) Minimum cetane index of 40;
(2) Maximum aromatic content of 35 volume percent.

60.4207(c) [RESERVED]

60.4207(d) [NA - UNITS < 30 L/CYL]

60.4207(e) [NA - NO NATIONAL SECURITY EXEMPTION]

[71 FR 39172, July 11, 2006, as amended at 76 FR 37969, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 85 FR 78463, Dec. 4, 2020]

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4208]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What is the deadline for importing or installing stationary CI ICE produced in the previous model year?

60.4208(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump

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engines) that do not meet the applicable requirements for 2007 model year engines.

60.4208(b) [NA - UNITS >25 HP]

60.4208(c)-(g) [NA - UNITS ARE EMERGENCY]

60.4208(h) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

60.4208(i) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

[Amended at 76 FR page 37969, June 28, 2011]

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in § 60.4211.

60.4209(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

60.4209(b) [NA - FILTER NOT INSTALLED TO COMPLY WITH REGULATION]

[Amended at 76 FR page 37969, June 28, 2011]

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4210]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my compliance requirements if I am a stationary CI internal combustion engine manufacturer?

[NA - NOT AN ENGINE MANUFACTURER]

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

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What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

60.4211(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

60.4211(a)(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

60.4211(a)(2) Change only those emission-related settings that are permitted by the manufacturer; and

60.4211(a)(3) Meet the requirements of 40 CFR part 1068, as they apply to you.

60.4211(b) [NA - ENGINES ARE 2007 MODEL YEAR OR LATER]

60.4211(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in § 60.4204(b) or § 60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in § 60.4205(c), you must comply by purchasing an engine certified to the emission standards in § 60.4204(b), or § 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

60.4211(d) [NA - NOT SUBJECT TO § 60.4204(c) OR § 60.4205(d)]

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60.4211(e) [NA - NOT MODIFIED OR RECONSTRUCTED]

60.4211(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

60.4211(f)(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

60.4211(f)(2) You may operate your emergency stationary ICE for the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

60.4211(f)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The 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 required 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 calendar year.

60.4211(f)(2)(ii) - (iii) [RESERVED]

60.4211(f)(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

60.4211(f)(3)(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

60.4211(f)(3)(i)(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

60.4211(f)(3)(i)(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

60.4211(f)(3)(i)(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

60.4211(f)(3)(i)(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

60.4211(f)(3)(i)(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

60.4211(f)(3)(ii) [Reserved]

60.4211(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted

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by the manufacturer, you must demonstrate compliance as follows:

60.4211(g)(1) [NA - ENGINES >100 HP]

60.4211(g)(2) [NA - ENGINES > 500 HP]

60.4211(g)(3) If you are an owner or operator of a stationary CI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

60.4211(h) The requirements for operators and prohibited acts specified in 40 CFR 1039.665 apply to owners or operators of stationary CI ICE equipped with AECDs for qualified emergency situations as allowed by 40 CFR 1039.665.

[71 FR 39172, July 11, 2006, as amended at 76 FR 37970, June 28, 2011; 78 FR 6695, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 86 FR 34359, June 29, 2021; 87 FR 48605, Aug. 10, 2022]

 # 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4212]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?

[NA - TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4211(g)]

 # 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4213]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of greater than or equal to 30 liters per cylinder?

[NA - DISPLACEMENT <30 L/CYL]

 # 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

60.4214(a) [NA - UNITS ARE EMERGENCY]

60.4214(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

60.4214(c) [NA - NOT REQUIRED TO HAVE A DIESEL PARTICULATE FILTER]

60.4214(d) [NA - ENGINES DO NOT OPERATE FOR THE PURPOSE SPECIFIED IN § 60.4211(f)(3) (NO FINANCIAL ARRANGEMENT WITH ANOTHER ENTITY)]

60.4214(e) Owners or operators of stationary CI ICE equipped with AECDs pursuant to the requirements of 40 CFR 1039.665 must report the use of AECDs as required by 40 CFR 1039.665(e).

[71 FR 39172, July 11, 2006, as amended at 78 FR 6696, Jan. 30, 2013; 81 FR 44219, July 7, 2016; 87 FR 48606, Aug. 10, 2022]

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 # 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What parts of the General Provisions apply to me?

60.4218(a) Table 8 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

60.4218(b) The provisions of 40 CFR 1068.10 and 1068.11 apply for engine manufacturers. For others, the general confidential business information (CBI) provisions apply as described in 40 CFR part 2.

[88 FR 4471, Jan. 24, 2023]

***** Permit Shield in Effect. *****

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

#001
This permit includes the sources, conditions and operating requirements of Plan Approval Nos. 36-05158A, 36-05158C, 36-05158D, 36-05158E, 36-05158F, 36-05158G, & 36-05158H. This permit supersedes those permits.

#002
Source ID 101, Grain Receiving/Processing, consists of the following:
- one (1) enclosed truck receiving area containing 2 pits The receiving area is rated at 600 tph and is controlled by a 30,000 acfm Airlanco Model 236RLP10 baghouse or equivalent
- two (2) Rotex screens. The screens will be fully enclosed, however, miscellaneous dust pick-up points is controlled by the Airlanco baghouse
- enclosed drag conveyance, handling, and turn-head system controlled by the Airlanco baghouse

#003
Source ID 102, Wet Grain Storage Bins, consists of:
- eight (8) 30,000 bushel storage bins. The bins are equipped with collapsible fabric filters

#004
Source ID 103, Grain Dryer No. 1, consists of:
- one (1) 4,800 bushel/hr Shanzer Model 8P7 column dryers. The dryer is rated at 39.5 mmBtu and is indirectly heated using steam.

#005
Source ID 105, Grain Storage Bins, consists of the following:
- three (3) 500,000 bushel storage bins and one (1) 400,000 bushel storage bin

#006
Source ID 106, Grain Loadout, consists of:
- one (1) 120 tph gravity-fed truck loadout spout

#007
Source ID 201, Soybean Prep Process, consists of the following equipment, all of which are controlled by controlled by five (5) 12,500 acfm Airlanco model 236/158RLP8 baghouses or equivalent:
- One (1) Rotex 822GC or equivalent cleaner screen
- One (1) 10’ square x 20’ height Highland or equivalent whole bean tank. The capacity of the tank is 75 tons.
- One (1) 10’ square x 20’ height Highland or equivalent cracked bean tank. The capacity of the tank is 75 tons.
- Three (3) Roskamp 12 x 52 or equivalent cracking rolls
- Eight (8) Cantrell 241D or equivalent primary separation tables
- Two (2) Triple S Model T-20 or equivalent secondary separation tables

#008
Source ID 202, Bean Conditioning, consists of the following:
- One (1) 68.54 tph Crown Iron Works Model 95-7 or equivalent bean conditioner. The conditioner utilizes steam to heat the soybeans. The majority of the operations are controlled by a 12,500 Airlanco model 236/158RLP8 baghouse or equivalent in the soybean preparation area. The vertical seed conditioner (VSC) discharge is controlled by a 2,500 acfm high efficiency Aircon cyclone or equivalent.

#009
Source ID 203, Flaking Rolls, consists of the following:
- Six (6) 68.54 tph Roskamp 28 x 62 or equivalent flaking rolls. The rolls are controlled by an 18,000 acfm Aircon model HE-54 or equivalent cyclone.

#010
Source ID 204, Extraction Process, consists of the following equipment which is controlled by a 500 acfm Desmet counter-current packed bed mineral scrubber:
- One (1) Desmet 372 RE Reflex oil extractor
- One (1) Desmet Dimax DT-4000 desolventizer-toaster

#011
Source ID 205A, Meal Dryer, consists of the following:

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- One (1) 62.5 tph Desmet meal dryer controlled by a 23,540 acfm Kice model CK-108 or equivalent cyclone.

#012
Source ID 205B, Meal Cooler, consists of the following:
- One (1) 62.5 tph Desmet 4-deck meal cooler controlled by a 23,540 acfm Kice model CK-108 or equivalent cyclone.

#013
Source ID 206, Meal Grinding & Screening, consists of the following equipment which is controlled by a 12,500 acfm Airlanco model 188RLP8 or equivalent baghouse:
- One (1) Rotex Model 581 or equivalent screener
- Two (2) Roskamp Model 4424 or equivalent grinder hammermills

#014
Source ID 207, Mill Feed (Hull) Grinding, consists of the following which are controlled by a 7,000 acfm Airlanco model 124RLP8 or equivalent baghouse:
- One (1) custom fabricated hull conditioner
- Two (2) Roskamp Model 4424 or equivalent hull grinders

#015
Source ID 208, Meal/Mill Feed Storage Bins, consists of the following:
- Four (4) CST or equivalent storage bins 500 ton meal, 300 ton mill feed. The bins will be equipped with bin vent filters.

#016
Source ID 209, Meal/Mill Feed Loadout Tank, consists of the following:
- One (1) Lamco/Intersystems or equivalent 4-bin cluster (10’ square x 48’ height). The 300 ton tank will be equipped with bin vent filters.

#017
Source ID 210, Meal Loadout Area, consists of the following:
- One (1) 85' x 210' meal storage/loadout building. Conveyors to the building will be fully enclosed. The area is controlled by a 30,000 acfm Airlanco model 236RLP12 or equivalent baghouse. Additionally, all truck loading will be done only when the doors and/or plastic strips are maintained in the closed position.

#018
Source ID 211, Soybean Day Tanks, consists of the following:
- Three (3) Chief CB 12-16 or equivalent storage bins. Each bin has a capacity of 1,500 tons.

#019
Source ID 212, Hexane Storage Tanks, consists of the following:
- Two (2) 20,000 gallon Highland Tank or equivalent hexane storage tanks. Breathing and working losses are vented to and controlled by the mineral oil scrubber.

#020
Source ID 213, Clay Addition System, consists of the following:
- Conveyance equipment and a 3,000 cubic foot storage tank controlled by three 400 cfm bin vent filters.

#021
Source ID 401, Emergency Fire Pump, is a 510 hP Clarke JX6H UFAD60 diesel fired emergency pump. The unit was installed in 2017.

#022
Source ID 402, Emergency Generator, is a 161 hP Caterpillar D100 GC diesel fired emergency generator. The unit was installed in 2023 under RFD 9995.

#023
The capacities and throughputs listed in the Site Inventory List in Section A and Headers of the sources in Section D, are for information only and are not operating limits unless there are specific conditions within the permit that sets limits on a source.

#024

SECTION H. Miscellaneous.

The specific alterations/changes were made during the July 2019 shutdown as referenced in GRP05 001(d):

(1) Retain day tank aeration system, which includes fans at the top and bottom of the tanks.
(2) Retain scalper fines screens with opening sizes of < 0.094 inches diameter.
(3) Retain C202 (Vertical Seed Conditioner Cyclone) in good operating condition.
(4) Retain the variable frequency drives on the Vertical Seed Condition (VSC) fan and flaker warm air fan.

****** End of Report ******